

Report No.: RM-1293-1

Test Time: 14/12/2018 15:06

## Luminaire Property

Luminaire Manufacturer: SICOLUZ	Luminaire Description: 110/277 V29 W
Luminaire Category: Luminaria LED	
Lamp Catalog: KX5075-R PERFIL LED 114 ET	
Lamp Description: SICOLUZ KX5075-R PERFIL LED 114 ET	
Number of Lamps: 1	Lumens per Lamp: 2735.5 lm
Luminous Length (mm): 50	Luminous Width (mm): 1114
Luminous Height (mm): 70	Voltage: 119.94 V
Current: 0.2471 A	Power: 28.78 W
Power Factor: 0.9725	

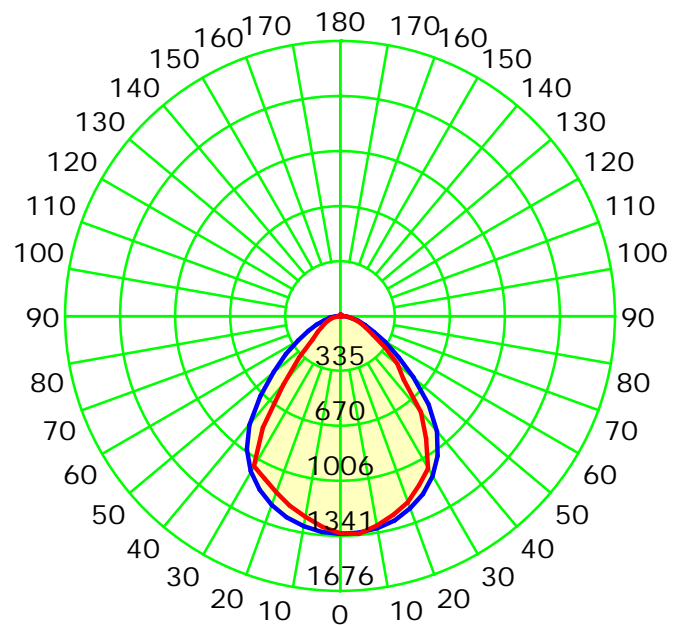
## Photometric Results

CIE Class: Direct	Total Rated Lamp Lumens: 2735.5 lm
Measurement Flux: 2735.5 lm	Efficiency: 100.00%
Downward Ratio: 98.89%	Upward Ratio: 1.11%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 145.3, 130.3, 137.0, 137.1	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 93.6, 80.1, 89.5, 90.2	
Luminaire Efficacy Rating (LER): 95.10	Central Intensity: 1328.76 cd
Max. Intensity: 1341.47 cd	Pos of Max. Intensity: H50 V5
S/MH(C0/C180): 1.24	S/MH(C90/C270): 1.19

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

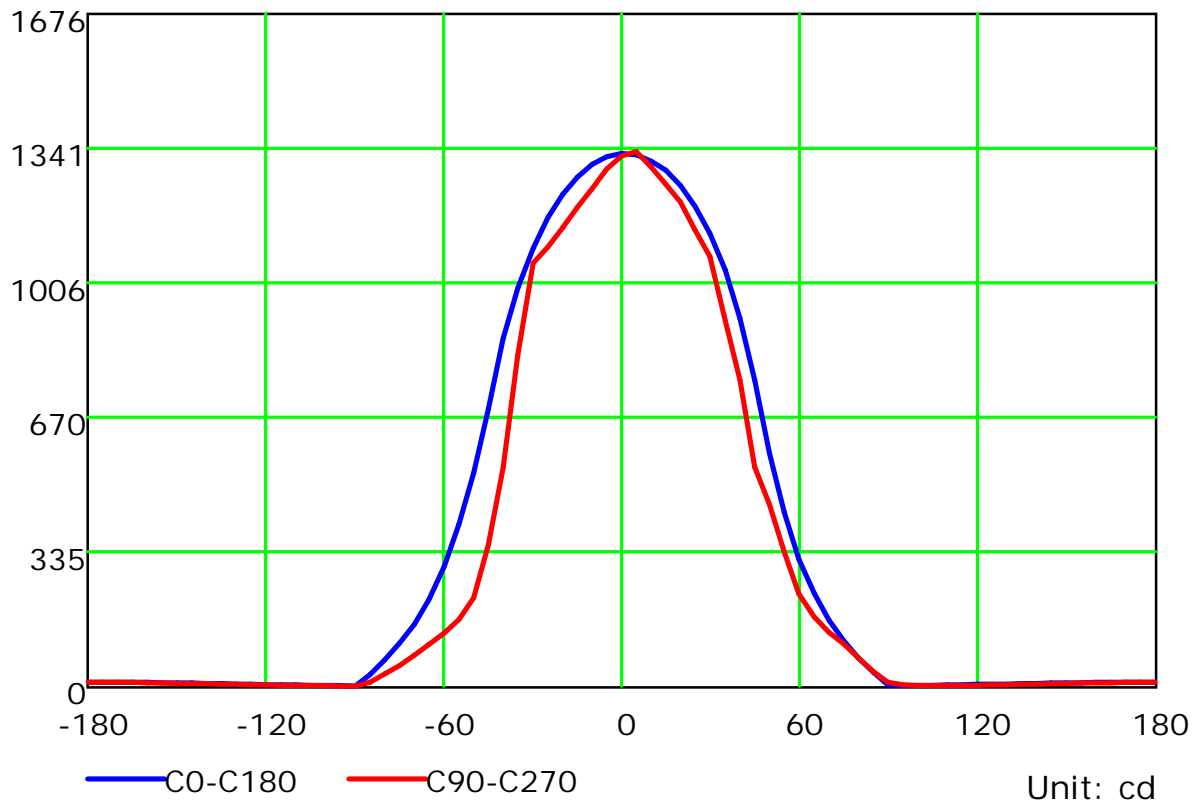
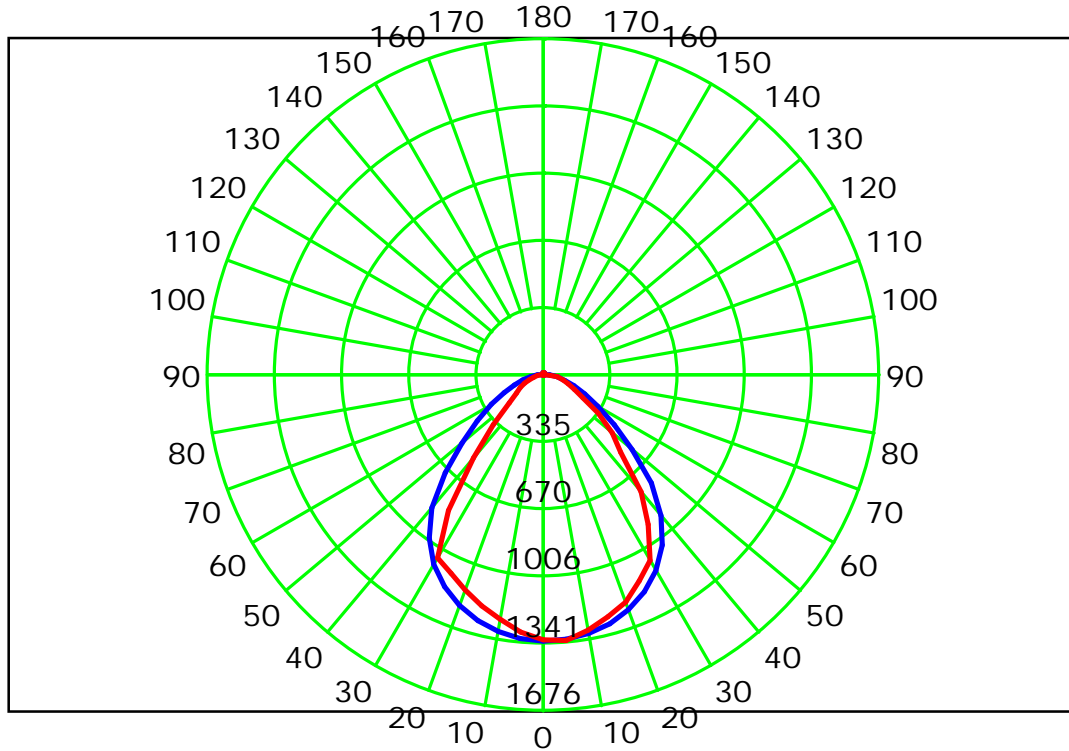
Average Diffuse Angle(50%): 86.9°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Luminous Intensity Distribution Curve



C Plane (°): 0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°): 0.0-180.0: 5.0  
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Distance: 11.413  
Humidity: 45  
Inspector:



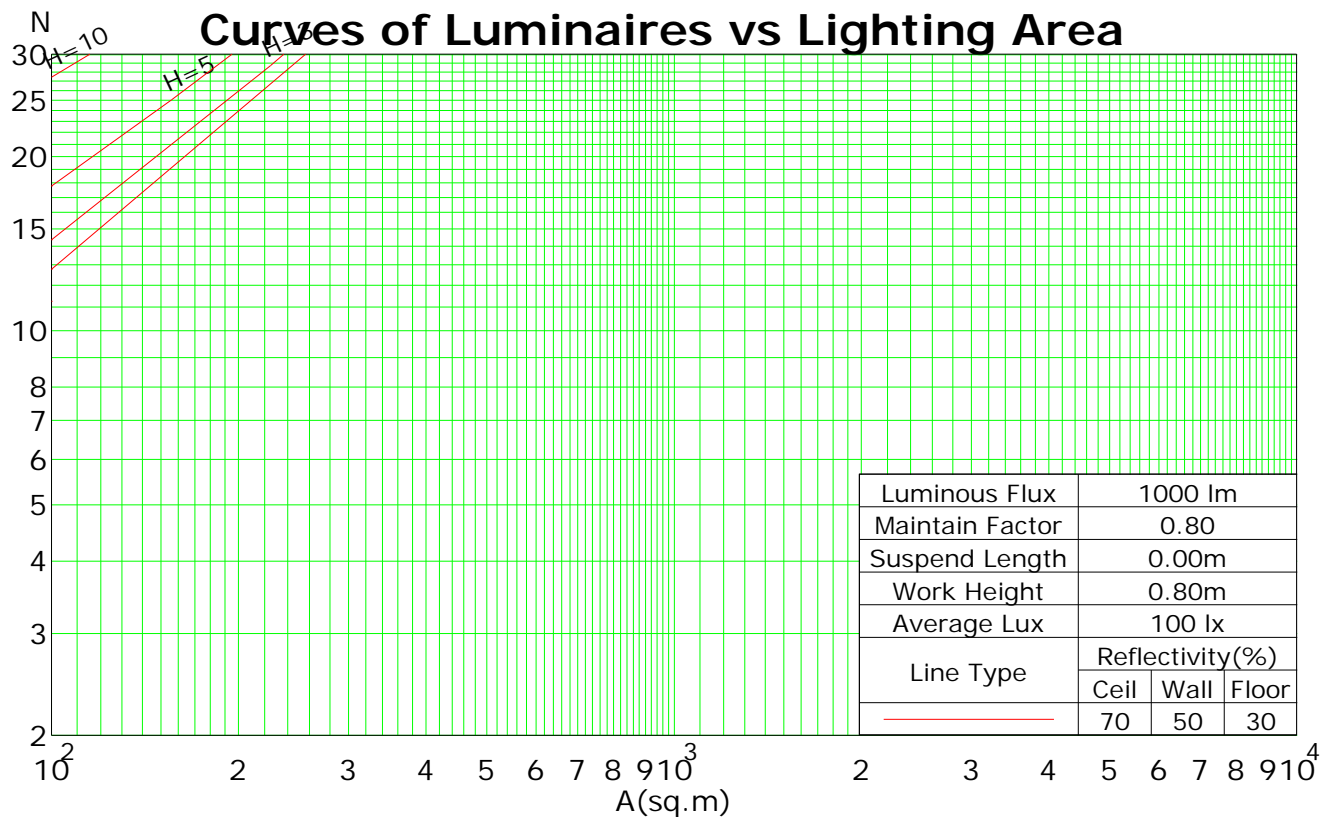
## Coefficients Of Utilization - Zonal Cavity Method

RC	0.8	0.8	0.8	0.8	0.7	0.7	0.7	0.7	0.5	0.5	0.5	0.3	0.3	0.3	0.1	0.1	0.1	0
RW	0.7	0.5	0.3	0.1	0.7	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0.5	0.3	0.1	0
RCR	RF = 0.2																	
0	119	119	119	119	116	116	116	116	110	110	110	106	106	106	101	101	101	99
1	110	106	102	99	107	104	100	97	99	97	94	95	93	91	92	90	88	86
2	102	95	89	84	99	93	87	83	89	84	81	86	82	79	83	79	77	75
3	94	85	78	72	91	83	76	71	80	74	70	77	72	68	75	71	67	65
4	87	76	68	62	85	75	68	62	72	66	61	70	65	60	68	63	59	57
5	81	69	61	55	78	68	60	55	66	59	54	64	58	53	62	57	53	51
6	75	63	55	49	73	62	54	49	60	53	48	58	52	48	57	51	47	45
7	70	57	49	44	68	57	49	44	55	48	43	54	47	43	52	47	43	41
8	65	53	45	40	64	52	45	39	51	44	39	49	43	39	48	43	39	37
9	61	49	41	36	60	48	41	36	47	40	36	46	40	35	45	39	35	33
10	58	45	38	33	56	45	38	33	44	37	33	43	37	32	42	36	32	31

Spacing Criteria (0-180): 1.24

Spacing Criteria (90-270): 1.19

Spacing Criteria (Diagonal): 1.25



C Plane (°):0.0-360.0: 5.0

Test Lab: LUMINOTEST

Test Type: TYPE C

Temperature: 24.5

Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0

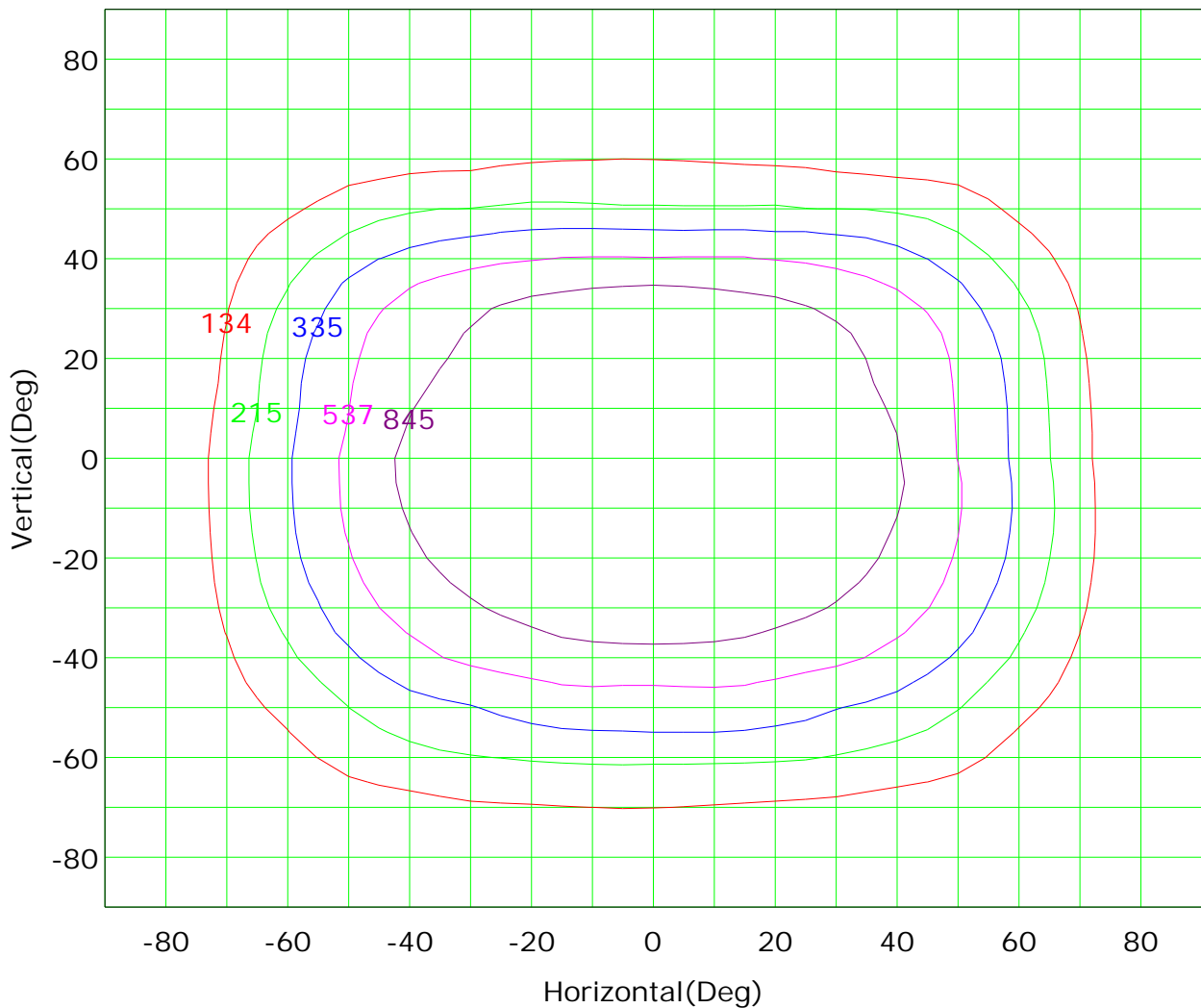
Test Device: PM400

Distance: 11.413

Humidity: 45

Inspector:

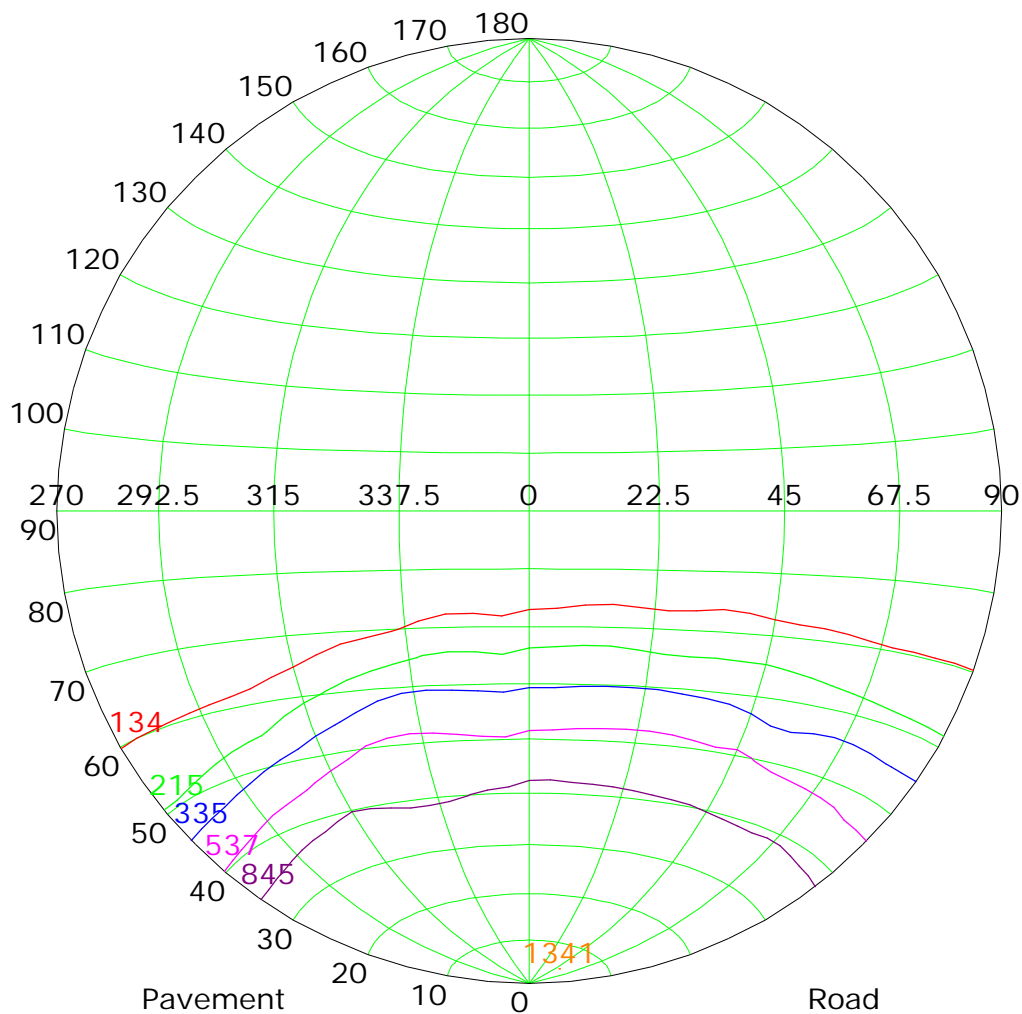
## Isocandela (rectangle)



Imax (100%): 1341 cd

( 10%): 134 cd	( 16%): 215 cd
( 25%): 335 cd	( 40%): 537 cd
( 63%): 845 cd	(100%): 1341 cd

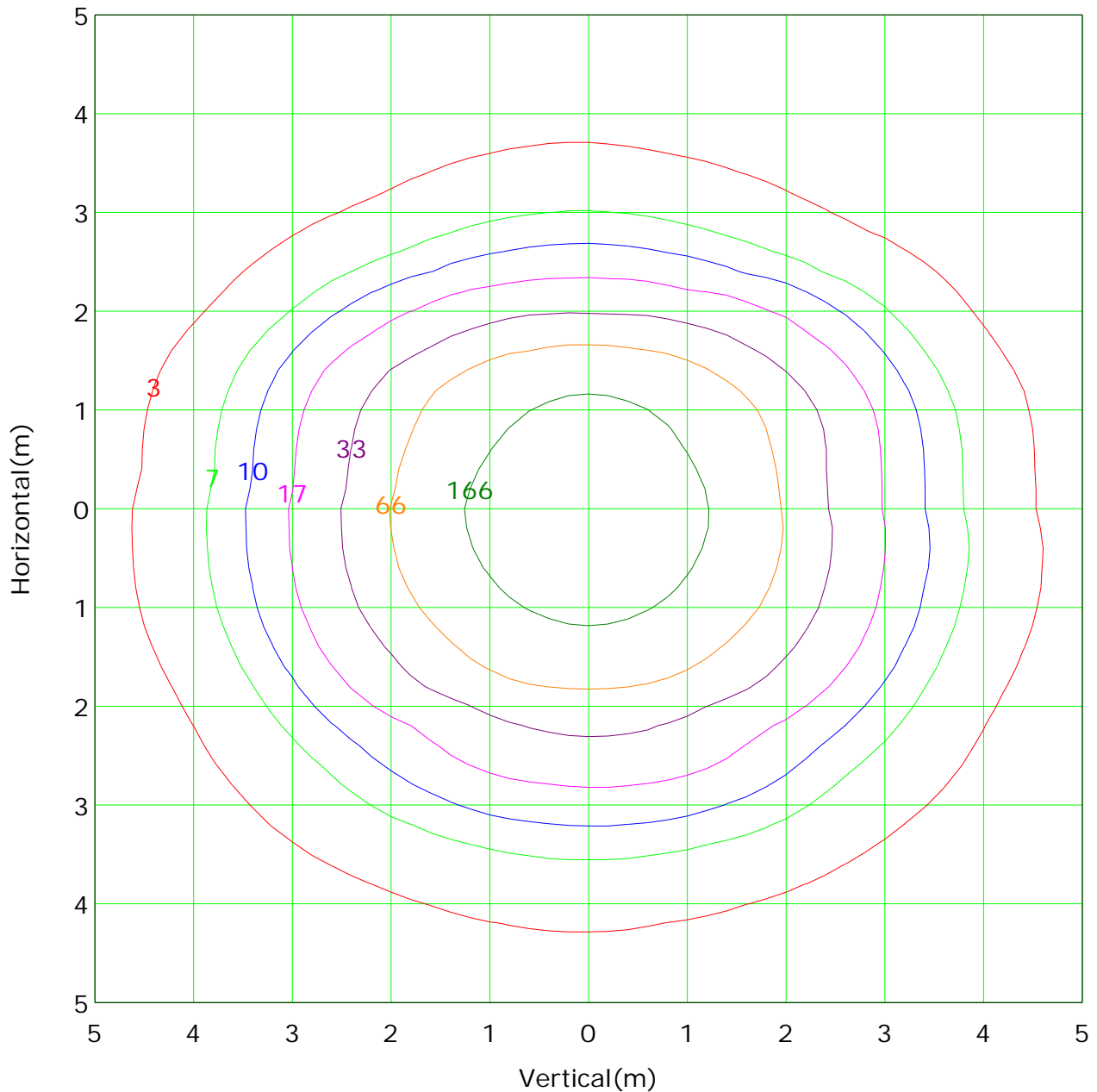
## Isocandela (sphere)



Imax (100%): 1341 cd

( 10%): 134 cd	( 16%): 215 cd
( 25%): 335 cd	( 40%): 537 cd
( 63%): 845 cd	(100%): 1341 cd

## IsoLux Plot



Mounting Height: 2.0m    Max Lux(100%): 332.2 lx

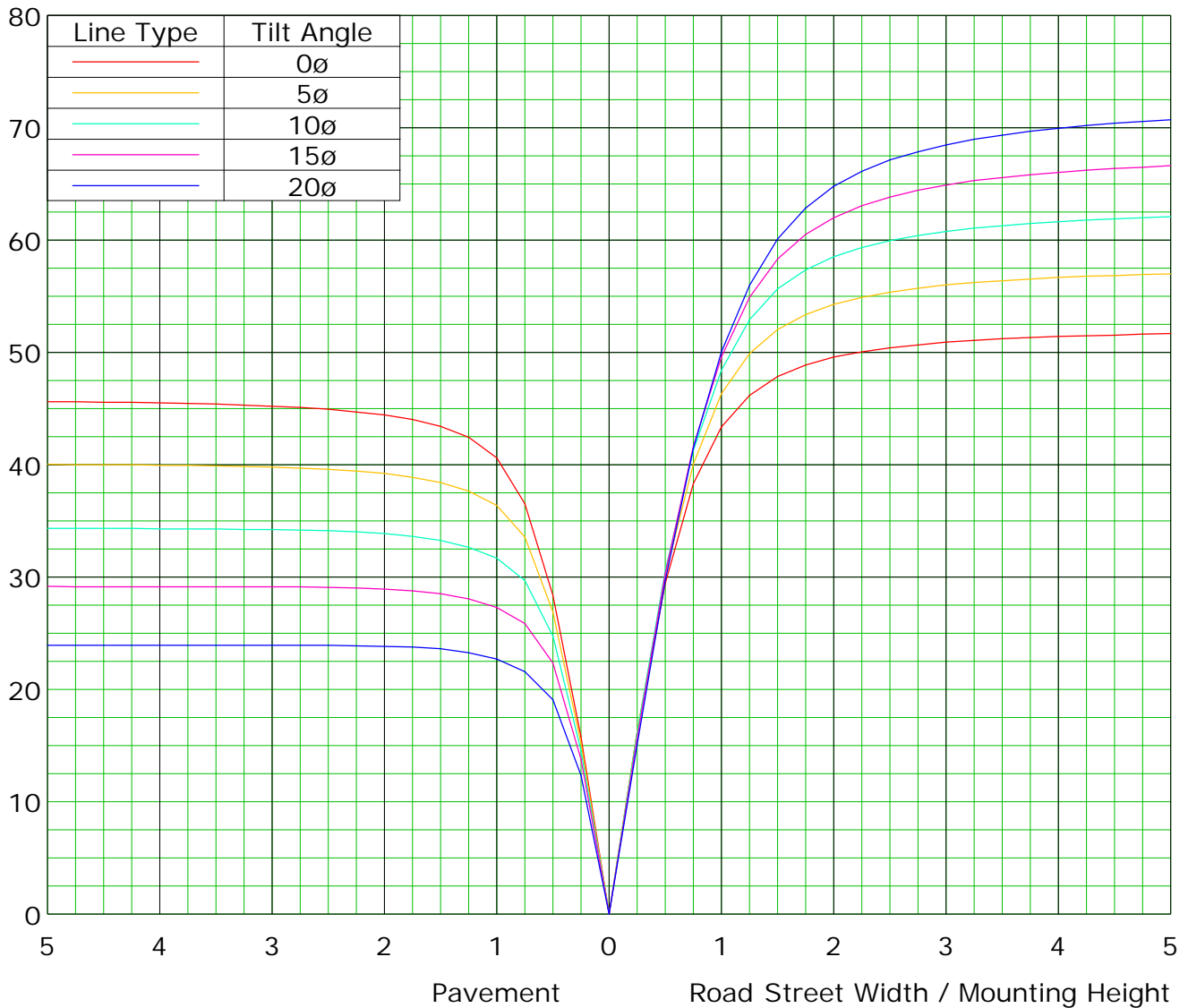
( 1%): 3.3 lx	( 2%): 6.6 lx
( 3%): 10.0 lx	( 5%): 16.6 lx
( 10%): 33.2 lx	( 20%): 66.4 lx
( 50%): 166.1 lx	

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Roadway CU Curve

Efficiency(%)



C Plane (°): 0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

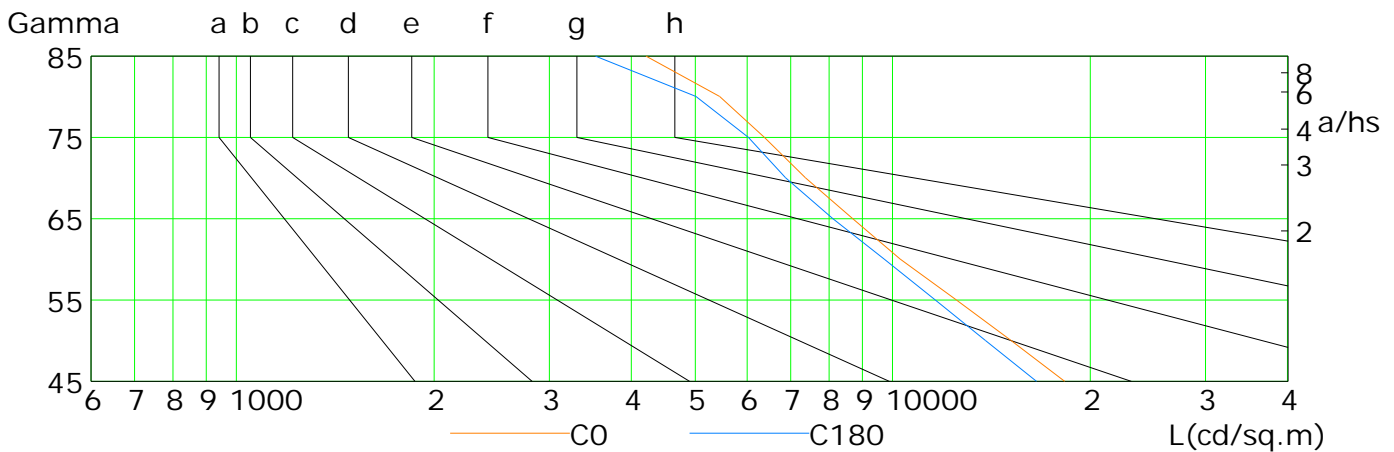
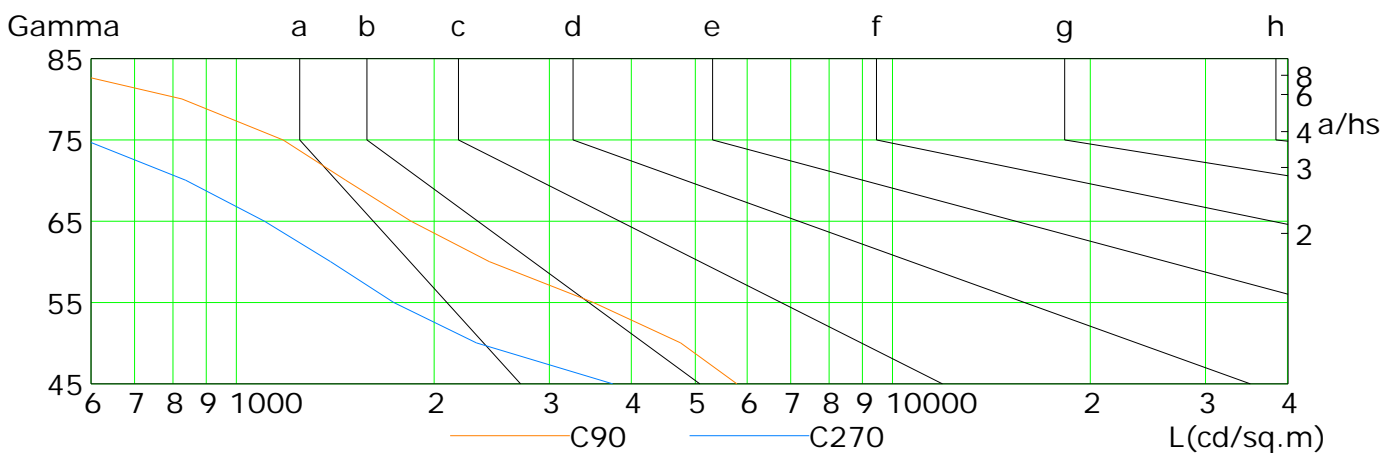
Gamma Plane (°): 0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:



## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300

a b c d e f g h

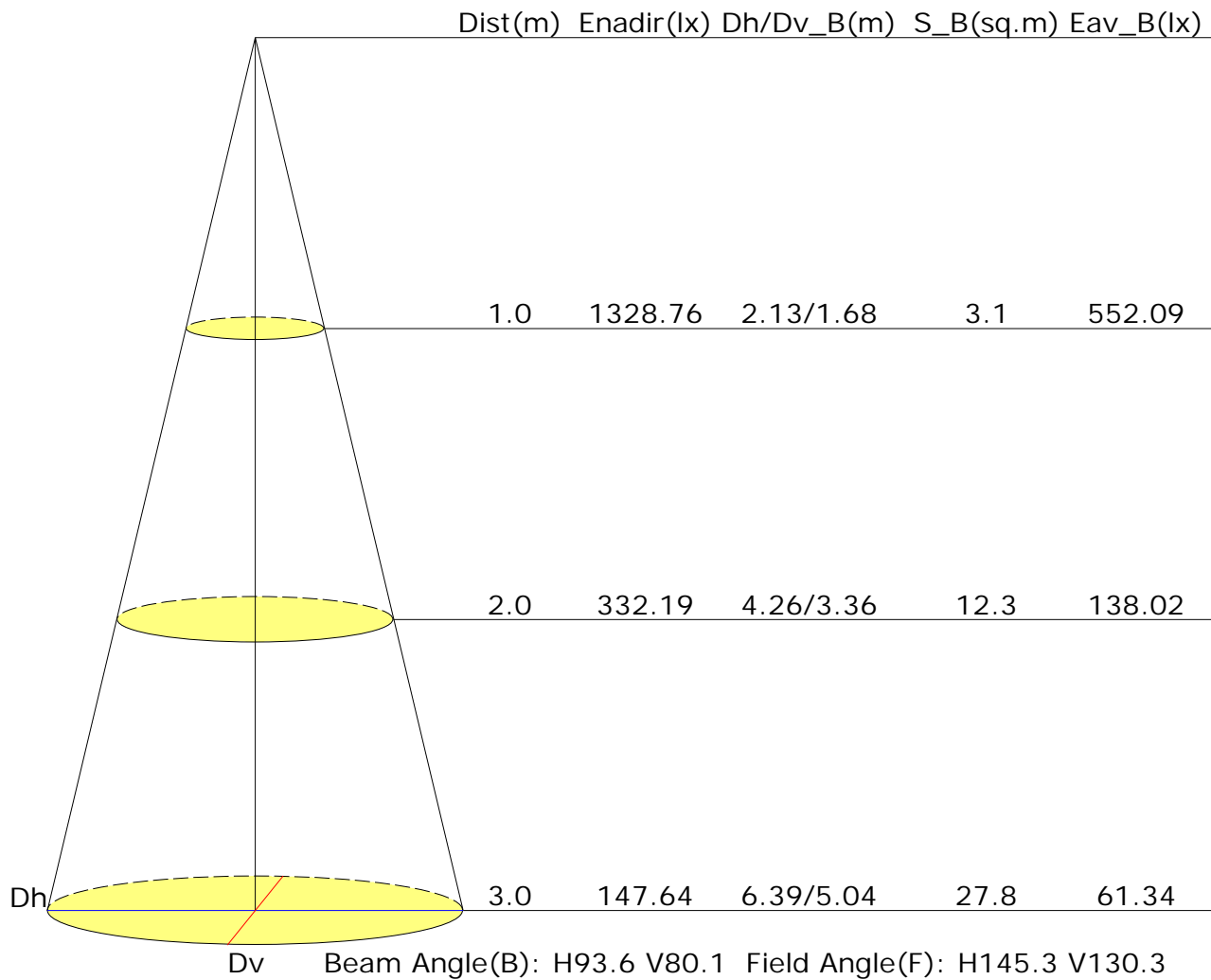


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	18267	15129	12521	10260	8696	7371	6379	5452	4214
C90	5790	4747	3501	2427	1846	1468	1178	826	453
C180	16553	13840	11627	9717	8119	6874	6031	5019	3523
C270	3749	2321	1740	1392	1104	837	587	356	127

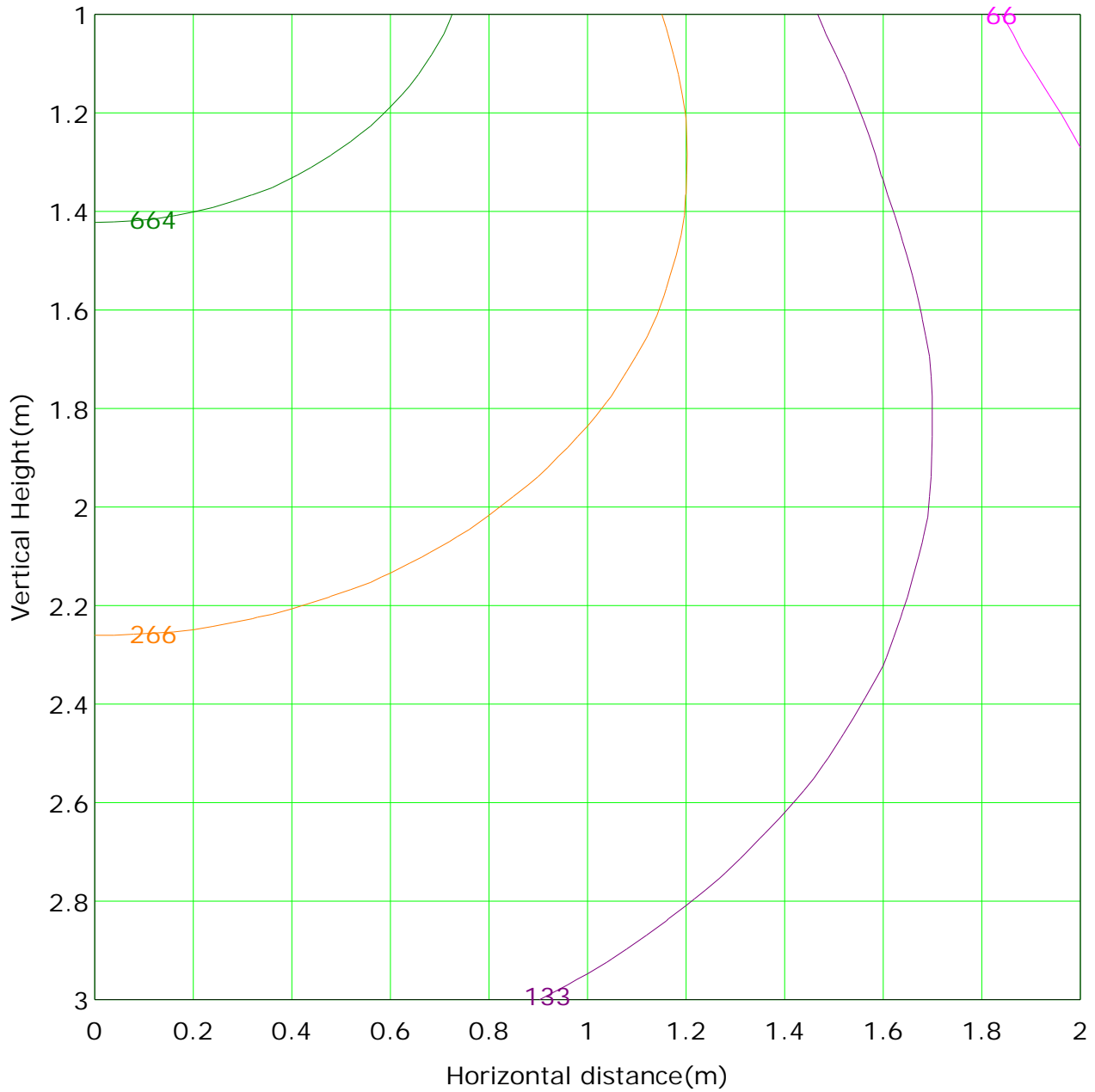
C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Illuminance at a Distance



## Vertical IsoLux Plot



Lowest(m): 1.0m    Highest(m): 3.0m    Max Lux: 1328.8 lx  
— ( 1%): 13.3 lx    — ( 2%): 26.6 lx  
— ( 3%): 39.9 lx    — ( 5%): 66.4 lx  
— ( 10%): 132.9 lx    — ( 20%): 265.8 lx  
— ( 50%): 664.4 lx

## Area Flux Table

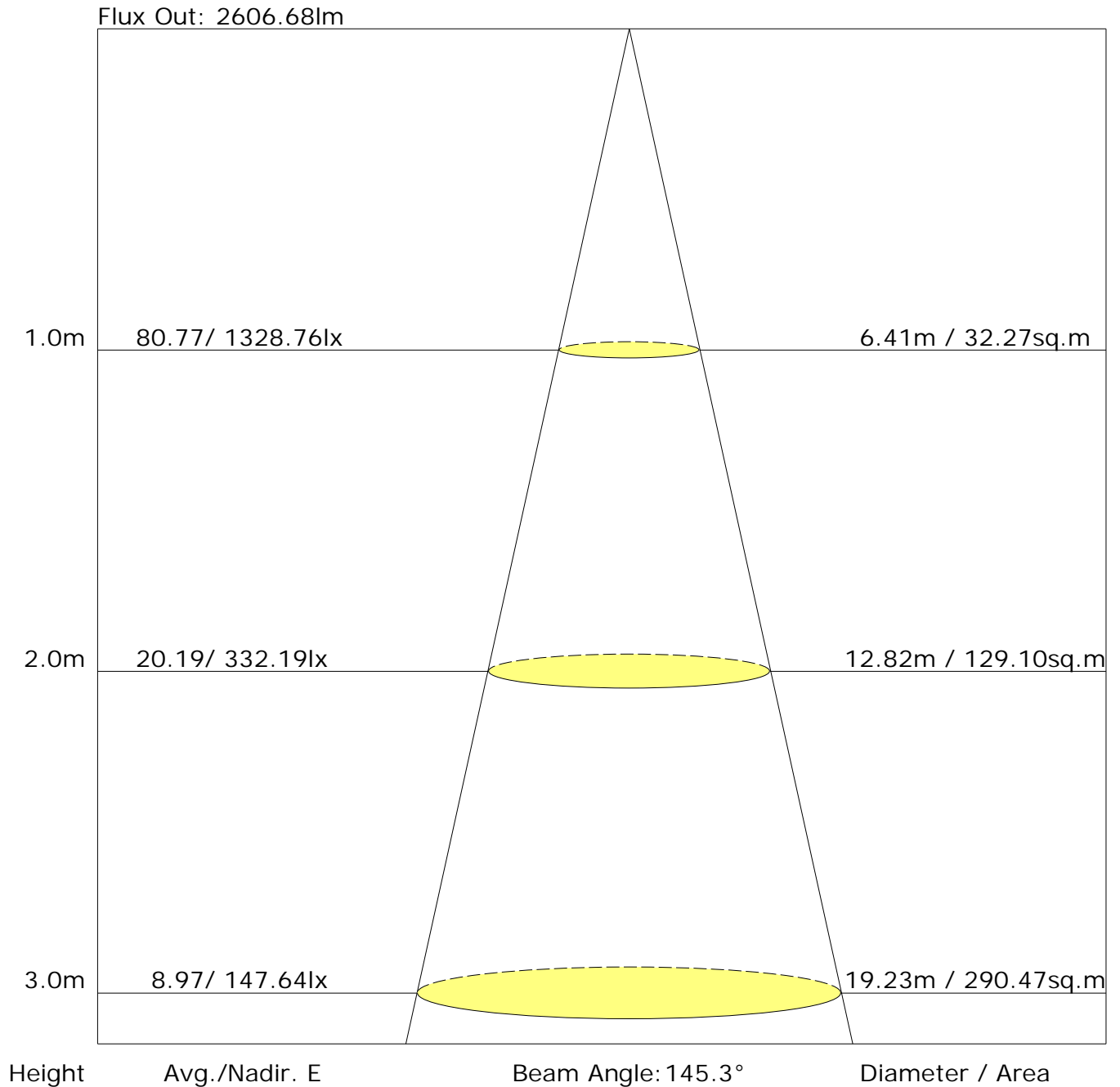
Unit: 1m

Orbit: 111																					
	-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	$\phi_0$	$\Phi_{\text{flux}}(\text{E})$
Vertical plane	-90	0.0	0.1	0.1	0.2	0.2	0.3	0.3	0.4	0.4	0.4	0.4	0.4	0.4	0.3	0.2	0.1	0.1	0.0	4.3	0.0
	-80	0.0	0.2	0.4	0.7	0.9	1.2	1.4	1.5	1.6	1.6	1.6	1.5	1.2	1.0	0.7	0.4	0.2	0.0	15.9	0.0
	-70	0.0	0.3	0.7	1.3	1.8	2.2	2.6	2.9	3.1	3.2	3.0	2.7	2.3	1.8	1.3	0.7	0.3	0.0	30.3	0.0
	-60	0.1	0.4	1.1	2.0	3.1	3.8	4.4	4.9	5.2	5.2	5.0	4.5	3.9	3.1	2.0	1.1	0.4	0.1	50.2	37.5
	-50	0.1	0.6	1.6	3.2	5.5	7.8	9.6	10.6	11.1	11.2	10.8	9.5	7.6	5.4	3.2	1.6	0.6	0.1	99.9	96.3
	-40	0.1	0.7	2.1	4.8	9.2	14.3	19.0	22.6	24.4	24.4	22.7	19.1	14.3	9.3	4.8	2.1	0.7	0.1	194.6	192.6
	-30	0.1	0.8	2.5	6.2	12.7	19.8	26.1	30.7	33.1	33.0	30.4	25.7	19.3	12.4	6.2	2.5	0.8	0.1	262.4	260.8
	-20	0.1	0.9	2.8	7.0	13.9	21.8	28.5	33.3	35.9	36.0	33.5	28.7	21.9	14.0	7.0	2.8	0.8	0.1	288.9	287.4
	-10	0.1	0.9	2.9	7.2	14.7	23.9	31.2	36.2	38.8	38.9	36.5	31.7	24.6	15.5	7.5	3.0	0.9	0.1	314.8	313.4
	0	0.1	0.9	3.0	7.5	15.5	24.8	32.2	37.3	39.9	40.0	37.6	32.7	25.4	16.2	7.8	3.1	1.0	0.1	325.0	323.6
Flux(T)	10	0.1	0.9	3.0	7.3	14.8	23.2	30.2	35.2	37.7	37.8	35.4	30.5	23.5	15.0	7.4	3.0	0.9	0.1	306.1	304.8
	20	0.1	0.9	2.7	6.5	13.0	20.4	27.1	31.8	34.3	34.3	31.7	26.9	20.2	12.9	6.5	2.7	0.9	0.1	272.9	271.5
	30	0.1	0.8	2.3	5.2	10.1	15.9	21.2	25.6	27.6	27.6	25.4	21.0	15.6	10.0	5.1	2.3	0.8	0.1	216.8	215.0
	40	0.1	0.7	1.9	3.8	6.8	10.3	13.5	16.3	17.5	17.5	16.2	13.3	10.1	6.7	3.7	1.9	0.7	0.1	141.1	138.5
	50	0.1	0.5	1.4	2.8	4.5	6.3	8.2	9.6	10.2	10.1	9.4	7.9	6.3	4.5	2.8	1.5	0.5	0.1	86.7	82.4
	60	0.1	0.4	1.0	1.9	2.9	3.8	4.5	5.0	5.4	5.4	5.1	4.6	3.9	3.0	2.0	1.1	0.4	0.1	50.5	38.5
	70	0.0	0.3	0.6	1.2	1.7	2.1	2.5	2.9	3.1	3.2	3.0	2.7	2.3	1.8	1.2	0.7	0.3	0.0	29.5	0.0
	80	0.0	0.1	0.3	0.5	0.6	0.8	1.0	1.1	1.2	1.2	1.2	1.1	0.9	0.7	0.5	0.3	0.1	0.0	11.5	0.0
	90	1.4	10.2	30.4	68.9	132.1	202.7	263.5	307.7	330.5	331.0	309.0	264.5	203.8	133.6	69.8	30.8	10.3	1.4	2702	
	Flux(E)	0.0	1.6	22.8	61.5	124.4	194.1	254.3	298.1	320.9	321.4	299.5	255.3	195.1	125.8	62.3	23.5	1.8	0.0		2562

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0:5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## The Average Illuminance Effective Figure

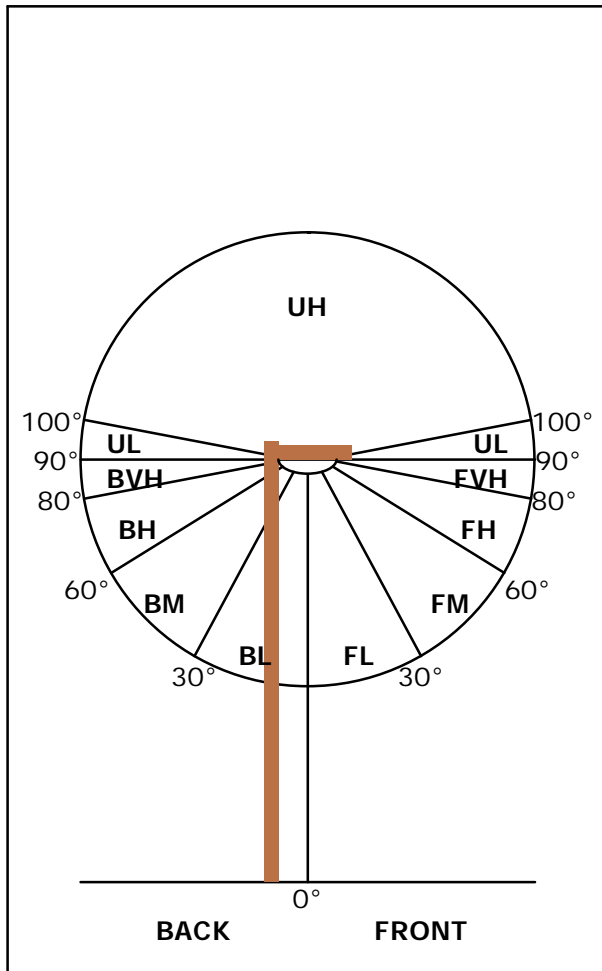


## UGR Table

Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	19.8	21.0	20.1	21.3	21.5	15.9	17.1	16.2	17.4	17.6
3H	20.6	21.7	20.9	22.0	22.2	16.3	17.4	16.6	17.7	17.9
4H	20.9	21.9	21.2	22.2	22.5	16.4	17.4	16.8	17.7	18.1
6H	21.1	22.1	21.5	22.4	22.7	16.5	17.5	16.9	17.8	18.1
8H	21.2	22.1	21.6	22.4	22.8	16.5	17.4	16.9	17.8	18.1
12H	21.2	22.1	21.6	22.5	22.8	16.5	17.4	16.9	17.7	18.1
X=4H Y=2H	19.8	20.8	20.1	21.1	21.4	16.4	17.4	16.7	17.7	18.0
3H	20.6	21.5	21.0	21.9	22.2	16.9	17.7	17.3	18.1	18.4
4H	21.0	21.8	21.5	22.2	22.6	17.1	17.9	17.5	18.2	18.6
6H	21.4	22.1	21.8	22.5	22.9	17.2	17.9	17.7	18.3	18.8
8H	21.5	22.1	21.9	22.5	23.0	17.3	17.9	17.7	18.3	18.8
12H	21.6	22.1	22.0	22.6	23.0	17.3	17.9	17.8	18.3	18.8
X=8H Y=4H	21.0	21.6	21.5	22.1	22.5	17.2	17.9	17.7	18.3	18.7
6H	21.4	21.9	21.9	22.3	22.8	17.5	18.0	18.0	18.5	18.9
8H	21.5	22.0	22.0	22.5	23.0	17.6	18.0	18.1	18.5	19.0
12H	21.6	22.0	22.2	22.5	23.1	17.6	18.0	18.1	18.5	19.0
X=12H Y=4H	21.0	21.6	21.4	22.0	22.5	17.3	17.8	17.7	18.3	18.7
6H	21.4	21.8	21.9	22.3	22.8	17.5	18.0	18.0	18.4	18.9
8H	21.5	21.9	22.0	22.4	22.9	17.6	18.0	18.1	18.5	19.0
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+1.1/-1.4				
S=1.5H	+1.3/-1.5					+1.8/-2.3				
S=2.0H	+2.5/-2.7					+2.9/-3.1				

Calculate in accordance with CIE Pub.117. The table is revised with 2736lm ( $8\log(F/F_0) = 3.5$ ).

**FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM**



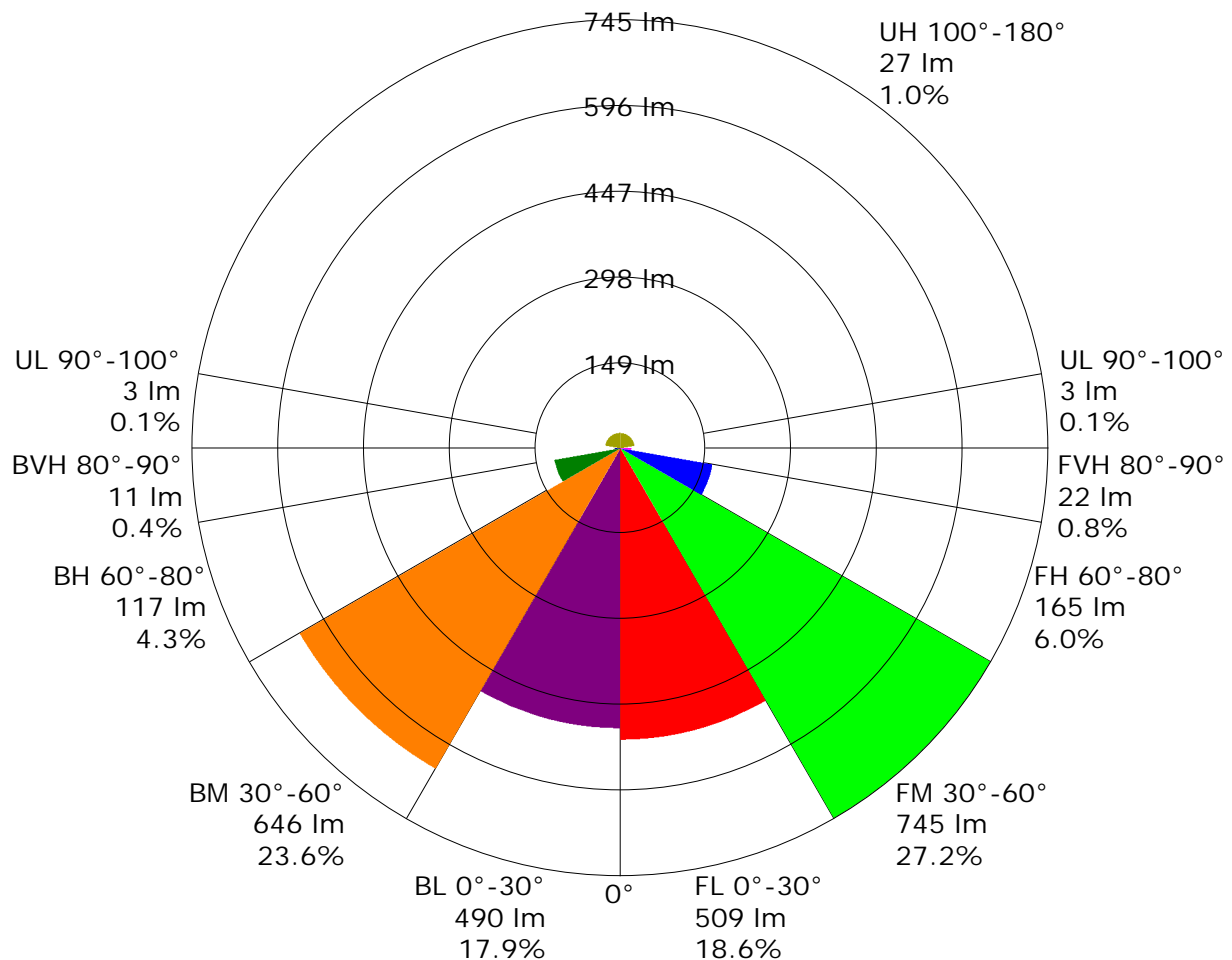
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	1442	52.7
FL ( 0°-30°)	509	18.6
FM (30°-60°)	745	27.2
FH (60°-80°)	165	6.0
FVH (80°-90°)	22	0.8
BACK LIGHT	1263	46.2
BL ( 0°-30°)	490	17.9
BM (30°-60°)	646	23.6
BH (60°-80°)	117	4.3
BVH (80°-90°)	11	0.4
UP LIGHT	30	1.1
UL (90°-100°)	3	0.1
UH (100°-180°)	27	1.0
TRAPPED LIGHT	NA	NA

BUG(Backlight, Uplight, Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I, II, III, IV)	B1 U2 G1
Quadrilateral Symmetrical Luminaire Types (Type V, Area Light)	B1 U2 G1

C Plane (°): 0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°): 0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## LCS Graph



**Back Light**

**Forward Light**

Scale= 745 lm

Trapped Light: NA,NA



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.66	0.75	0.82	0.86	0.93	0.97	1.00	1.03	1.06	
	0.30		0.59	0.69	0.76	0.81	0.87	0.92	0.95	1.00	1.03	
	0.20		0.54	0.64	0.71	0.76	0.83	0.88	0.92	0.97	1.00	
0.50	0.50	0.20	0.64	0.73	0.79	0.84	0.89	0.93	0.96	0.99	1.01	
	0.30		0.58	0.68	0.74	0.79	0.85	0.89	0.92	0.96	0.99	
	0.20		0.54	0.63	0.70	0.75	0.81	0.86	0.89	0.94	0.97	
0.30	0.50	0.20	0.63	0.72	0.77	0.81	0.86	0.90	0.92	0.95	0.97	
	0.30		0.58	0.67	0.73	0.77	0.83	0.87	0.89	0.93	0.95	
	0.20		0.54	0.63	0.69	0.74	0.80	0.84	0.87	0.91	0.94	
0.00	0.00	0.00	0.51	0.60	0.66	0.71	0.76	0.80	0.83	0.87	0.89	
<p>Rating: 0W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Wall)

Utilisation Factors UF(W)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.85	0.69	0.58	0.50	0.40	0.33	0.28	0.22	0.18	
	0.30		0.71	0.59	0.51	0.44	0.36	0.30	0.26	0.20	0.17	
	0.20		0.61	0.51	0.45	0.40	0.33	0.28	0.24	0.19	0.16	
0.50	0.50	0.20	0.81	0.66	0.55	0.48	0.38	0.35	0.26	0.20	0.17	
	0.30		0.69	0.57	0.49	0.43	0.34	0.29	0.25	0.19	0.16	
	0.20		0.60	0.50	0.44	0.39	0.32	0.27	0.23	0.18	0.15	
0.30	0.50	0.20	0.79	0.63	0.53	0.45	0.36	0.29	0.25	0.19	0.16	
	0.30		0.67	0.55	0.47	0.41	0.33	0.27	0.24	0.18	0.15	
	0.20		0.59	0.49	0.43	0.38	0.31	0.26	0.22	0.18	0.15	
0.00	0.00	0.00	0.47	0.39	0.33	0.28	0.23	0.19	0.16	0.12	0.10	
<p>Rating: 0W Photometrically tested without ceiling board.</p> <p>Multiply UF values by service correction factors</p> <p>Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.25									
Room Reflectance			Room Index(RI)									
Ceiling	Wall	Floor	0.75	1.00	1.25	1.50	2.00	2.50	3.00	4.00	5.00	
0.70	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	0.18	
0.50	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	0.18	
0.30	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	
	0.30		0.10	0.11	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.08	0.09	0.10	0.12	0.14	0.15	0.16	0.17	
0.00	0.00	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
Rating: 0W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-5.0	1322.7	31.6	31.6	1.16	1.16
5.0-10.0	1303.7	93.3	124.9	3.41	4.57
10.0-15.0	1266.9	150.3	275.2	5.49	10.06
15.0-20.0	1220.6	201.2	476.4	7.35	17.41
20.0-25.0	1165.0	244.4	720.8	8.93	26.35
25.0-30.0	1099.3	278.2	999.0	10.17	36.52
30.0-35.0	1006.4	296.4	1295.4	10.84	47.35
35.0-40.0	873.1	291.3	1586.7	10.65	58.01
40.0-45.0	712.7	263.9	1850.7	9.65	67.65
45.0-50.0	550.6	222.5	2073.2	8.13	75.79
50.0-55.0	410.9	178.7	2251.9	6.53	82.32
55.0-60.0	299.1	138.3	2390.1	5.05	87.37
60.0-65.0	214.8	104.4	2494.6	3.82	91.19
65.0-70.0	155.3	78.6	2573.2	2.87	94.07
70.0-75.0	111.7	58.4	2631.6	2.13	96.20
75.0-80.0	76.2	40.8	2672.3	1.49	97.69
80.0-85.0	43.8	23.8	2696.2	0.87	98.56
85.0-90.0	16.6	9.1	2705.2	0.33	98.89
90.0-95.0	3.6	2.0	2707.2	0.07	98.97
95.0-100.0	2.1	1.1	2708.4	0.04	99.01
100.0-105.0	2.1	1.1	2709.5	0.04	99.05
105.0-110.0	2.5	1.3	2710.8	0.05	99.10
110.0-115.0	3.0	1.5	2712.3	0.06	99.15
115.0-120.0	3.6	1.8	2714.0	0.06	99.22
120.0-125.0	4.3	2.0	2716.0	0.07	99.29
125.0-130.0	5.1	2.2	2718.2	0.08	99.37
130.0-135.0	5.8	2.3	2720.6	0.09	99.45
135.0-140.0	6.5	2.4	2723.0	0.09	99.54
140.0-145.0	7.2	2.4	2725.4	0.09	99.63
145.0-150.0	7.8	2.3	2727.7	0.08	99.71
150.0-155.0	8.4	2.1	2729.8	0.08	99.79
155.0-160.0	9.1	1.9	2731.7	0.07	99.86
160.0-165.0	9.6	1.6	2733.3	0.06	99.92
165.0-170.0	10.1	1.2	2734.5	0.04	99.96
170.0-175.0	10.5	0.8	2735.3	0.03	99.99
175.0-180.0	10.8	0.3	2735.5	0.01	100.00

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table

Unit: cd

GVC	C0.0	C5.0	C10.0	C15.0	C20.0	C25.0	C30.0	C35.0	C40.0	C45.0
G0.0	1328.8	1328.7	1328.0	1328.5	1328.2	1327.5	1327.1	1327.3	1326.4	1326.1
G5.0	1326.4	1327.8	1330.6	1333.5	1336.9	1338.2	1339.2	1339.7	1340.5	1341.4
G10.0	1311.0	1315.7	1322.3	1326.6	1328.0	1325.5	1320.9	1316.3	1313.1	1309.7
G15.0	1287.9	1294.3	1301.7	1300.0	1293.3	1286.6	1279.8	1276.1	1273.0	1269.7
G20.0	1249.1	1259.8	1260.9	1252.0	1243.3	1237.0	1234.1	1231.9	1225.7	1218.8
G25.0	1196.7	1207.8	1199.7	1189.9	1184.9	1181.2	1172.1	1162.8	1159.1	1156.8
G30.0	1129.1	1134.9	1122.7	1119.1	1109.7	1098.7	1092.2	1087.6	1083.9	1078.4
G35.0	1038.3	1038.7	1031.7	1024.4	1011.0	999.9	997.6	989.3	981.8	978.0
G40.0	917.6	921.2	912.0	904.1	892.5	885.8	874.2	865.9	856.1	838.7
G45.0	764.7	767.7	760.3	759.6	755.8	746.5	733.3	715.7	697.5	686.3
G50.0	582.3	587.1	596.3	604.8	605.0	601.0	588.3	573.4	558.5	575.5
G55.0	435.9	438.2	448.6	454.7	458.9	457.3	455.6	439.5	421.8	377.3
G60.0	316.8	319.7	325.8	328.6	328.8	325.9	311.0	302.6	288.2	276.5
G65.0	232.3	236.2	238.9	237.0	230.6	223.0	220.4	221.1	218.9	219.2
G70.0	164.7	167.0	173.4	174.8	168.4	163.3	164.6	169.1	165.0	156.5
G75.0	113.5	116.5	122.2	123.8	119.9	116.6	119.1	122.7	118.6	112.9
G80.0	71.5	73.1	77.8	79.4	79.2	78.0	79.5	80.9	80.1	78.0
G85.0	35.2	36.3	38.7	40.1	41.1	41.9	42.1	43.4	43.5	42.9
G90.0	3.5	4.6	5.6	6.6	7.6	8.4	9.4	10.3	10.7	10.6
G95.0	1.8	1.8	1.7	1.8	1.9	2.1	2.4	2.8	3.0	3.2
G100.0	2.3	2.2	2.2	2.1	2.0	2.0	1.9	2.0	2.0	1.9
G105.0	2.8	2.7	2.7	2.6	2.5	2.5	2.3	2.3	2.2	2.1
G110.0	3.4	3.4	3.2	3.2	3.0	3.0	2.8	2.8	2.7	2.5
G115.0	4.1	4.1	3.9	3.8	3.7	3.7	3.5	3.5	3.3	3.2
G120.0	4.9	4.8	4.6	4.5	4.4	4.3	4.2	4.1	4.0	3.8
G125.0	5.6	5.6	5.4	5.3	5.1	4.9	4.8	4.8	4.7	4.5
G130.0	6.3	6.3	6.2	6.0	5.8	5.6	5.5	5.5	5.3	5.2
G135.0	7.1	7.0	6.9	6.7	6.6	6.4	6.2	6.2	6.0	6.0
G140.0	7.8	7.7	7.5	7.5	7.3	7.0	6.9	6.8	6.6	6.5
G145.0	8.4	8.3	8.2	8.1	8.0	7.7	7.6	7.5	7.3	7.2
G150.0	8.9	8.9	8.8	8.6	8.5	8.4	8.3	8.2	8.0	7.9
G155.0	9.3	9.4	9.2	9.1	9.1	9.0	8.9	8.8	8.7	8.6
G160.0	9.7	9.7	9.7	9.6	9.5	9.5	9.4	9.4	9.3	9.2
G165.0	10.2	10.1	10.1	10.0	10.0	9.9	9.8	9.9	9.8	9.8
G170.0	10.4	10.5	10.4	10.3	10.4	10.3	10.3	10.3	10.3	10.3
G175.0	10.6	10.6	10.7	10.6	10.6	10.6	10.6	10.6	10.6	10.6
G180.0	10.9	10.9	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.9

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 1)

Unit: cd

GVC	C50.0	C55.0	C60.0	C65.0	C70.0	C75.0	C80.0	C85.0	C90.0	C95.0
G0.0	1325.7	1324.7	1324.6	1324.6	1324.2	1324.0	1323.7	1323.2	1322.4	1323.2
G5.0	1341.5	1340.6	1339.4	1338.3	1336.9	1335.2	1335.2	1334.5	1333.6	1334.5
G10.0	1307.6	1303.4	1302.2	1301.5	1300.3	1298.9	1296.8	1296.6	1295.9	1296.8
G15.0	1269.9	1265.5	1261.3	1260.3	1257.4	1255.3	1254.5	1252.9	1252.5	1252.8
G20.0	1215.0	1214.1	1213.0	1211.4	1210.3	1210.5	1210.3	1209.5	1208.4	1208.8
G25.0	1156.6	1152.6	1149.9	1147.2	1145.3	1142.4	1140.6	1138.3	1137.5	1136.4
G30.0	1073.3	1067.9	1066.4	1066.1	1067.3	1069.7	1070.8	1072.8	1072.9	1074.6
G35.0	973.1	964.4	952.2	942.6	933.4	924.6	919.1	916.8	913.3	916.3
G40.0	823.1	810.4	803.4	812.8	811.1	797.2	783.2	772.8	764.8	766.4
G45.0	680.8	688.8	666.5	651.7	618.3	589.2	558.4	552.8	547.3	551.2
G50.0	525.2	474.6	447.8	431.4	433.7	438.7	444.8	448.9	453.6	454.6
G55.0	343.8	338.6	350.1	355.8	354.1	345.1	336.7	333.2	335.5	338.1
G60.0	279.4	277.2	264.3	255.2	247.1	239.4	235.0	233.2	231.5	233.0
G65.0	210.7	200.6	191.3	184.7	179.5	178.1	176.1	175.6	173.9	173.4
G70.0	151.8	148.9	144.3	140.2	137.0	136.6	136.2	136.2	135.5	134.0
G75.0	110.7	109.9	109.2	106.7	105.6	106.0	106.8	106.5	105.7	104.9
G80.0	77.2	75.9	75.3	74.9	74.3	74.0	73.2	72.4	71.4	71.2
G85.0	42.4	41.3	40.8	40.8	40.4	39.5	39.0	38.6	37.4	37.7
G90.0	10.4	10.4	10.5	10.6	10.6	10.3	10.3	10.2	9.7	9.7
G95.0	3.2	3.5	3.6	3.8	3.9	3.9	4.0	4.0	3.7	3.7
G100.0	1.8	1.8	1.8	1.9	2.0	2.0	2.1	2.1	2.1	2.0
G105.0	2.0	1.9	1.8	1.8	1.9	1.8	1.9	1.9	1.9	1.8
G110.0	2.3	2.2	2.1	2.0	2.0	1.9	1.9	1.9	1.9	1.9
G115.0	3.0	2.8	2.6	2.5	2.4	2.3	2.3	2.3	2.4	2.3
G120.0	3.6	3.4	3.2	3.2	3.0	3.0	3.0	2.8	2.9	2.9
G125.0	4.4	4.2	4.0	3.9	3.8	3.7	3.7	3.7	3.6	3.7
G130.0	5.1	4.9	4.8	4.8	4.7	4.6	4.6	4.5	4.5	4.5
G135.0	5.8	5.7	5.5	5.5	5.5	5.4	5.3	5.3	5.4	5.4
G140.0	6.4	6.4	6.2	6.2	6.2	6.1	6.1	6.1	6.2	6.1
G145.0	7.1	7.0	6.8	6.8	6.8	6.8	6.8	6.8	6.8	6.8
G150.0	7.8	7.7	7.5	7.4	7.4	7.3	7.4	7.4	7.4	7.4
G155.0	8.5	8.4	8.3	8.2	8.2	8.1	8.0	8.1	8.1	8.1
G160.0	9.2	9.1	9.0	9.0	9.0	8.9	8.9	8.8	8.8	8.8
G165.0	9.8	9.7	9.7	9.7	9.8	9.7	9.7	9.6	9.6	9.6
G170.0	10.2	10.2	10.2	10.3	10.3	10.4	10.4	10.4	10.3	10.2
G175.0	10.6	10.6	10.6	10.6	10.7	10.7	10.9	10.9	10.8	10.7
G180.0	10.8	10.8	10.8	10.8	10.8	10.8	10.9	11.0	11.1	11.0

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 2)

Unit: cd

GVC	C100.0	C105.0	C110.0	C115.0	C120.0	C125.0	C130.0	C135.0	C140.0	C145.0
G0.0	1320.5	1324.8	1323.7	1324.8	1325.2	1325.4	1326.3	1326.9	1327.1	1327.1
G5.0	1332.9	1335.4	1335.1	1335.8	1337.1	1338.0	1338.5	1338.6	1338.0	1336.8
G10.0	1296.6	1296.9	1298.3	1299.5	1300.0	1299.9	1300.2	1304.3	1308.2	1307.8
G15.0	1252.3	1250.0	1252.9	1252.8	1256.6	1259.7	1262.0	1264.6	1267.2	1270.5
G20.0	1210.4	1209.8	1210.0	1209.3	1208.8	1210.4	1208.6	1208.5	1210.8	1219.9
G25.0	1138.2	1141.1	1144.7	1145.8	1149.2	1151.2	1151.5	1152.2	1152.1	1152.9
G30.0	1074.8	1074.8	1073.1	1069.0	1063.8	1064.1	1067.8	1075.3	1079.6	1080.3
G35.0	920.2	929.5	939.7	956.2	969.0	978.5	981.9	983.5	985.3	988.0
G40.0	778.4	792.3	807.5	807.1	805.3	817.8	836.4	858.5	870.7	876.3
G45.0	566.7	587.7	616.2	640.9	663.7	679.8	681.9	700.5	715.7	731.5
G50.0	454.1	452.2	446.0	444.0	453.2	476.8	526.9	568.5	573.3	591.0
G55.0	343.3	353.4	362.8	367.9	366.9	356.6	358.9	392.5	422.1	444.1
G60.0	235.5	240.8	248.9	261.1	274.7	284.7	284.7	283.0	297.4	309.9
G65.0	172.6	174.0	178.2	183.6	192.5	199.7	207.1	215.3	222.0	225.9
G70.0	132.4	131.9	133.3	134.8	138.1	142.4	146.0	153.3	163.2	167.4
G75.0	103.5	101.2	100.0	99.4	100.6	102.2	104.9	107.8	113.4	118.3
G80.0	70.8	70.2	69.6	68.5	67.8	68.3	70.5	72.0	74.7	77.1
G85.0	37.2	37.1	37.0	37.0	36.6	36.0	36.5	37.8	39.0	39.0
G90.0	9.6	9.4	9.3	9.2	9.0	8.6	8.1	7.9	7.9	7.6
G95.0	3.7	3.6	3.4	3.3	3.1	3.1	2.8	2.5	2.4	2.3
G100.0	2.0	2.0	2.0	1.9	1.9	1.9	1.9	1.9	1.9	2.0
G105.0	1.8	1.9	1.9	1.8	1.9	2.0	2.0	2.1	2.2	2.3
G110.0	1.9	2.0	2.0	2.0	2.1	2.3	2.4	2.5	2.8	2.8
G115.0	2.3	2.4	2.4	2.6	2.7	2.9	3.0	3.2	3.4	3.5
G120.0	3.0	3.0	3.1	3.2	3.4	3.6	3.7	3.8	4.1	4.2
G125.0	3.7	3.8	3.9	4.1	4.2	4.4	4.4	4.6	4.8	4.9
G130.0	4.6	4.6	4.7	4.8	4.9	5.1	5.2	5.3	5.5	5.6
G135.0	5.4	5.5	5.5	5.6	5.7	5.9	5.9	6.0	6.2	6.3
G140.0	6.2	6.2	6.3	6.3	6.4	6.6	6.6	6.7	6.8	6.9
G145.0	6.9	6.8	6.9	7.0	7.1	7.2	7.3	7.3	7.5	7.7
G150.0	7.5	7.5	7.6	7.6	7.7	7.8	8.0	8.1	8.2	8.3
G155.0	8.2	8.2	8.3	8.3	8.4	8.6	8.6	8.7	8.9	9.0
G160.0	8.8	8.9	8.9	9.0	9.1	9.2	9.3	9.3	9.5	9.5
G165.0	9.6	9.6	9.6	9.7	9.8	9.8	9.9	9.9	10.0	10.0
G170.0	10.2	10.3	10.2	10.3	10.3	10.4	10.4	10.4	10.4	10.4
G175.0	10.6	10.6	10.7	10.6	10.6	10.7	10.7	10.6	10.8	10.7
G180.0	10.9	10.9	10.8	10.8	10.8	10.8	10.9	10.8	10.9	10.8

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 3)

Unit: cd

GVC	C150.0	C155.0	C160.0	C165.0	C170.0	C175.0	C180.0	C185.0	C190.0	C195.0
G0.0	1327.3	1326.9	1327.2	1326.6	1327.6	1327.3	1328.8	1328.7	1328.0	1328.5
G5.0	1336.1	1335.0	1331.7	1328.9	1327.2	1325.6	1321.5	1317.7	1314.3	1311.8
G10.0	1311.8	1318.8	1320.5	1319.3	1316.9	1311.3	1302.3	1296.9	1295.5	1291.6
G15.0	1271.9	1277.9	1281.1	1291.7	1290.7	1284.4	1271.0	1263.4	1259.6	1251.6
G20.0	1225.2	1229.8	1233.6	1237.1	1247.3	1244.7	1227.0	1222.1	1212.4	1197.4
G25.0	1156.9	1167.2	1173.5	1177.1	1182.7	1188.1	1169.1	1162.2	1146.1	1134.4
G30.0	1081.2	1083.6	1094.5	1100.0	1103.1	1112.5	1092.4	1083.9	1069.2	1047.0
G35.0	991.0	990.2	995.5	1003.3	1009.2	1016.8	994.4	982.8	965.5	945.7
G40.0	882.2	883.7	880.5	886.5	889.1	894.8	867.5	853.9	839.6	822.1
G45.0	747.5	750.5	749.5	746.7	739.4	736.1	692.9	684.7	686.5	693.4
G50.0	599.7	607.3	605.9	594.5	581.3	565.2	532.6	530.3	541.9	574.0
G55.0	463.6	466.1	461.1	449.7	439.6	428.0	404.8	406.2	420.4	440.9
G60.0	321.1	329.5	332.2	329.6	327.3	321.1	300.1	303.1	312.0	316.8
G65.0	224.9	228.1	233.8	238.1	238.8	234.0	216.9	217.8	223.7	225.6
G70.0	162.6	160.8	166.3	172.1	170.7	166.3	153.6	154.2	158.6	155.6
G75.0	116.3	114.8	118.8	122.2	122.2	116.9	107.3	107.6	108.7	103.4
G80.0	77.2	77.3	78.1	78.5	78.2	74.3	65.8	65.2	65.0	60.0
G85.0	39.8	39.5	39.9	39.4	38.7	37.1	29.4	28.5	26.5	24.4
G90.0	7.3	6.6	5.5	4.8	4.1	3.4	1.5	1.5	1.5	1.5
G95.0	2.1	1.9	1.8	1.7	1.8	1.8	1.8	1.7	1.7	1.7
G100.0	2.0	2.0	2.1	2.1	2.1	2.3	2.2	2.2	2.2	2.1
G105.0	2.4	2.5	2.6	2.6	2.7	2.8	2.7	2.7	2.7	2.6
G110.0	3.0	3.1	3.2	3.2	3.3	3.4	3.3	3.3	3.2	3.2
G115.0	3.6	3.7	3.8	3.9	4.0	4.1	4.0	4.0	3.9	3.8
G120.0	4.3	4.4	4.5	4.6	4.7	4.8	4.7	4.7	4.7	4.6
G125.0	5.0	5.1	5.2	5.3	5.5	5.6	5.5	5.4	5.4	5.2
G130.0	5.7	5.8	5.9	6.1	6.2	6.4	6.3	6.2	6.1	6.0
G135.0	6.4	6.5	6.7	6.8	6.9	7.1	7.0	6.9	6.8	6.7
G140.0	7.1	7.2	7.3	7.5	7.6	7.8	7.7	7.6	7.5	7.3
G145.0	7.8	7.9	8.0	8.2	8.3	8.4	8.3	8.3	8.2	8.0
G150.0	8.4	8.6	8.7	8.7	8.9	8.9	8.9	8.9	8.8	8.7
G155.0	9.1	9.2	9.2	9.3	9.4	9.4	9.4	9.4	9.3	9.2
G160.0	9.6	9.7	9.8	9.8	9.8	9.8	9.9	9.8	9.8	9.8
G165.0	10.1	10.2	10.2	10.2	10.2	10.3	10.2	10.3	10.3	10.2
G170.0	10.4	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.6	10.6
G175.0	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.7
G180.0	10.8	10.9	10.8	10.8	10.9	11.0	10.9	10.9	10.8	10.8

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:



## Candlepower Table (Continue 4)

Unit: cd

GVC	C200.0	C205.0	C210.0	C215.0	C220.0	C225.0	C230.0	C235.0	C240.0	C245.0
G0.0	1328.2	1327.5	1327.1	1327.3	1326.4	1326.1	1325.7	1324.7	1324.6	1324.6
G5.0	1310.9	1309.7	1307.1	1304.4	1300.7	1298.2	1298.1	1297.0	1296.0	1294.9
G10.0	1285.4	1281.5	1276.4	1270.7	1267.0	1262.3	1259.2	1256.3	1252.7	1248.4
G15.0	1243.0	1237.8	1230.8	1222.9	1212.4	1206.0	1199.7	1197.6	1197.3	1196.6
G20.0	1190.4	1177.9	1163.2	1154.3	1152.7	1151.3	1149.3	1142.3	1136.6	1137.2
G25.0	1116.7	1101.1	1093.4	1090.1	1082.1	1083.4	1091.0	1096.0	1096.2	1097.9
G30.0	1030.2	1017.8	1010.7	1016.0	1026.1	1032.4	1036.4	1037.2	1038.3	1041.7
G35.0	924.6	922.2	936.8	947.0	955.6	954.1	958.3	955.6	937.2	904.6
G40.0	821.3	833.0	851.2	854.7	853.9	834.3	789.2	744.2	702.4	666.0
G45.0	711.7	733.6	740.3	719.1	669.7	619.4	581.6	525.7	478.8	444.6
G50.0	601.3	601.6	581.8	536.8	491.5	438.4	398.4	364.1	313.8	271.4
G55.0	449.8	441.7	410.8	375.9	337.2	306.4	254.7	215.1	193.9	181.6
G60.0	316.4	297.3	274.5	252.3	224.1	184.8	163.6	149.7	142.6	137.4
G65.0	212.2	195.8	182.6	168.2	145.2	127.2	117.8	113.6	110.7	107.3
G70.0	141.0	127.4	122.7	113.5	103.4	93.3	87.5	85.6	83.5	80.5
G75.0	94.0	85.3	79.5	76.0	71.3	66.4	62.5	60.5	58.2	55.8
G80.0	56.0	52.8	48.7	45.9	42.9	39.5	37.3	35.4	34.0	32.3
G85.0	22.0	20.0	18.6	16.7	15.0	13.9	13.0	12.3	11.6	10.9
G90.0	1.6	1.7	1.7	1.8	1.8	1.7	1.7	1.6	1.6	1.6
G95.0	1.6	1.7	1.7	1.8	1.7	1.6	1.6	1.6	1.6	1.6
G100.0	2.1	2.1	2.0	2.0	2.0	1.9	1.9	1.7	1.7	1.8
G105.0	2.6	2.6	2.5	2.5	2.4	2.3	2.3	2.2	2.1	2.0
G110.0	3.2	3.2	3.0	3.0	3.0	2.8	2.8	2.6	2.5	2.6
G115.0	3.8	3.7	3.7	3.6	3.6	3.4	3.4	3.2	3.1	3.0
G120.0	4.6	4.5	4.4	4.3	4.3	4.1	4.0	3.9	3.8	3.7
G125.0	5.2	5.1	5.1	5.1	4.9	4.8	4.7	4.6	4.5	4.4
G130.0	5.9	5.8	5.7	5.7	5.6	5.5	5.4	5.3	5.2	5.2
G135.0	6.6	6.6	6.4	6.4	6.3	6.2	6.1	6.0	6.0	5.9
G140.0	7.3	7.2	7.1	7.0	7.0	6.9	6.8	6.7	6.7	6.6
G145.0	7.9	7.8	7.8	7.8	7.7	7.6	7.5	7.4	7.3	7.3
G150.0	8.6	8.5	8.4	8.4	8.3	8.2	8.1	8.0	7.9	7.9
G155.0	9.2	9.1	9.0	9.0	8.9	8.9	8.8	8.6	8.6	8.6
G160.0	9.7	9.7	9.6	9.5	9.4	9.4	9.3	9.2	9.1	9.1
G165.0	10.2	10.1	10.1	10.0	9.9	9.9	9.9	9.7	9.7	9.7
G170.0	10.6	10.5	10.4	10.4	10.4	10.3	10.3	10.2	10.3	10.2
G175.0	10.8	10.8	10.7	10.7	10.7	10.7	10.6	10.6	10.6	10.6
G180.0	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 5)

Unit: cd

GVC	C250.0	C255.0	C260.0	C265.0	C270.0	C275.0	C280.0	C285.0	C290.0	C295.0
G0.0	1324.2	1324.0	1323.7	1323.2	1322.4	1323.2	1320.5	1324.8	1323.7	1324.8
G5.0	1294.7	1292.7	1292.6	1292.6	1291.8	1292.4	1292.3	1296.4	1296.4	1298.6
G10.0	1245.1	1243.9	1242.7	1242.2	1242.1	1241.8	1243.2	1246.6	1249.1	1251.5
G15.0	1195.2	1195.2	1195.3	1196.6	1195.9	1194.7	1195.2	1196.6	1200.0	1199.9
G20.0	1139.7	1141.8	1144.4	1145.9	1144.5	1142.9	1144.5	1142.5	1141.9	1140.3
G25.0	1102.3	1099.1	1098.5	1099.6	1095.8	1095.9	1096.2	1091.5	1090.9	1090.3
G30.0	1048.4	1052.4	1055.3	1054.3	1056.1	1056.4	1055.8	1050.3	1040.0	1030.1
G35.0	875.5	853.5	838.1	828.0	828.7	827.8	839.4	858.5	890.4	923.9
G40.0	624.0	589.2	563.3	548.5	546.0	552.5	566.8	588.3	616.9	658.3
G45.0	416.4	384.9	365.0	353.2	354.4	361.7	371.8	390.2	417.6	447.1
G50.0	247.3	233.7	224.9	220.9	221.7	222.8	229.7	240.3	258.3	285.6
G55.0	173.8	169.3	167.4	166.6	166.7	167.6	169.6	173.1	180.0	188.9
G60.0	134.3	131.3	131.0	131.7	132.8	134.1	134.8	136.8	139.0	141.7
G65.0	104.2	101.9	101.3	102.0	104.0	104.6	105.3	106.5	108.2	109.6
G70.0	78.0	75.9	75.5	76.1	77.3	78.0	78.1	78.9	80.7	83.4
G75.0	54.0	52.7	52.4	52.2	52.7	53.5	53.9	54.8	56.4	59.3
G80.0	31.5	30.4	30.4	30.1	30.8	31.5	32.1	32.7	33.9	35.2
G85.0	10.4	10.0	10.0	9.8	10.5	10.4	11.0	11.5	12.2	13.0
G90.0	1.6	1.5	1.6	1.6	1.5	1.5	1.5	1.6	1.6	1.6
G95.0	1.6	1.5	1.6	1.6	1.5	1.6	1.5	1.6	1.6	1.6
G100.0	1.8	1.7	1.8	1.7	1.7	1.7	1.7	1.7	1.7	1.8
G105.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
G110.0	2.5	2.4	2.5	2.4	2.4	2.4	2.4	2.4	2.5	2.5
G115.0	3.0	3.0	3.0	2.9	2.9	2.9	3.0	3.0	3.0	3.1
G120.0	3.7	3.6	3.6	3.6	3.5	3.5	3.6	3.6	3.6	3.7
G125.0	4.5	4.3	4.4	4.3	4.2	4.3	4.3	4.3	4.3	4.4
G130.0	5.2	5.1	5.1	5.0	5.0	5.1	5.1	5.1	5.1	5.2
G135.0	5.9	5.9	5.8	5.8	5.8	5.8	5.8	5.8	5.8	5.9
G140.0	6.6	6.5	6.5	6.4	6.4	6.5	6.5	6.5	6.5	6.6
G145.0	7.3	7.2	7.2	7.2	7.1	7.2	7.1	7.1	7.2	7.2
G150.0	8.0	7.9	7.9	7.8	7.8	7.8	7.8	7.8	7.9	7.9
G155.0	8.6	8.5	8.5	8.5	8.4	8.4	8.4	8.6	8.6	8.6
G160.0	9.2	9.1	9.1	9.1	9.1	9.1	9.2	9.3	9.3	9.3
G165.0	9.8	9.7	9.7	9.7	9.7	9.8	9.9	10.0	9.9	9.9
G170.0	10.3	10.2	10.3	10.2	10.4	10.4	10.5	10.5	10.4	10.3
G175.0	10.7	10.6	10.7	10.7	10.9	11.0	10.9	10.8	10.7	10.7
G180.0	10.9	10.8	10.9	11.0	11.1	11.0	10.9	10.9	10.9	10.9

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 6)

Unit: cd

GVC	C300.0	C305.0	C310.0	C315.0	C320.0	C325.0	C330.0	C335.0	C340.0	C345.0
G0.0	1325.2	1325.4	1326.3	1326.9	1327.1	1327.1	1327.3	1326.9	1327.2	1326.6
G5.0	1300.6	1301.0	1301.7	1301.9	1303.9	1307.8	1311.6	1313.7	1314.9	1315.6
G10.0	1254.5	1259.2	1263.9	1268.2	1270.6	1275.1	1280.8	1284.4	1287.5	1294.0
G15.0	1201.6	1204.6	1209.2	1214.2	1221.0	1229.1	1238.8	1243.2	1252.9	1258.4
G20.0	1142.5	1147.8	1156.7	1161.7	1164.6	1167.8	1175.1	1188.2	1200.2	1210.3
G25.0	1089.1	1086.3	1088.0	1088.5	1092.0	1101.8	1111.0	1116.7	1130.8	1149.3
G30.0	1023.2	1019.7	1016.0	1013.5	1011.4	1016.9	1021.4	1033.3	1046.2	1066.7
G35.0	953.1	959.5	946.9	933.6	924.5	921.0	922.9	930.6	941.4	963.0
G40.0	705.6	757.1	813.7	841.0	839.6	829.0	817.3	814.2	820.5	841.8
G45.0	473.7	513.9	565.1	629.5	693.0	715.7	716.3	704.3	695.5	699.9
G50.0	322.5	353.7	379.3	420.8	481.0	554.5	583.4	589.1	579.4	566.3
G55.0	201.7	220.7	254.3	292.0	325.4	369.7	419.6	447.5	446.7	436.5
G60.0	145.3	151.4	166.9	193.2	221.2	245.1	276.9	305.5	315.4	313.1
G65.0	112.0	115.6	122.8	133.5	147.2	164.8	178.0	198.1	218.3	224.8
G70.0	86.5	88.9	91.3	94.9	103.3	114.1	119.8	130.1	147.4	159.3
G75.0	62.3	63.2	64.0	67.7	73.8	77.4	79.3	84.6	96.5	106.5
G80.0	37.3	38.9	40.2	42.0	45.5	47.6	47.6	51.6	58.0	61.0
G85.0	14.1	15.3	16.1	16.8	18.0	19.3	19.8	21.9	23.3	25.1
G90.0	1.6	1.8	1.8	1.9	1.8	1.8	1.7	1.6	1.6	1.5
G95.0	1.6	1.7	1.7	1.7	1.7	1.8	1.7	1.7	1.7	1.8
G100.0	1.7	1.8	1.8	1.9	1.9	2.0	2.0	2.1	2.2	2.1
G105.0	2.1	2.2	2.2	2.3	2.3	2.5	2.5	2.6	2.7	2.7
G110.0	2.5	2.7	2.8	2.8	2.9	3.0	3.0	3.1	3.2	3.2
G115.0	3.1	3.3	3.4	3.4	3.5	3.6	3.7	3.7	3.8	3.9
G120.0	3.8	3.9	4.0	4.1	4.2	4.3	4.3	4.4	4.5	4.6
G125.0	4.5	4.6	4.8	4.8	4.8	5.0	5.0	5.1	5.2	5.2
G130.0	5.2	5.3	5.4	5.5	5.5	5.7	5.7	5.8	5.9	6.0
G135.0	5.9	6.0	6.1	6.1	6.2	6.3	6.4	6.5	6.6	6.8
G140.0	6.6	6.7	6.8	6.8	6.9	7.0	7.0	7.1	7.3	7.4
G145.0	7.2	7.3	7.4	7.5	7.5	7.7	7.7	7.8	7.9	8.1
G150.0	8.0	8.0	8.1	8.1	8.1	8.3	8.4	8.4	8.6	8.6
G155.0	8.6	8.7	8.7	8.7	8.8	8.9	8.9	9.0	9.1	9.2
G160.0	9.2	9.3	9.3	9.4	9.4	9.4	9.5	9.5	9.6	9.7
G165.0	9.8	9.9	9.8	9.9	9.9	9.9	9.9	10.0	10.0	10.1
G170.0	10.3	10.4	10.3	10.3	10.3	10.4	10.4	10.4	10.4	10.4
G175.0	10.6	10.6	10.6	10.6	10.6	10.7	10.6	10.7	10.7	10.8
G180.0	10.8	10.8	10.8	10.8	10.8	10.8	10.9	10.8	10.8	10.9

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector:

## Candlepower Table (Continue 7)

Unit: cd

G\C	C350.0	C355.0	C360.0							
G0.0	1327.6	1327.3	1328.8							
G5.0	1316.2	1319.2	1326.4							
G10.0	1298.6	1300.3	1311.0							
G15.0	1268.3	1273.3	1287.9							
G20.0	1222.6	1234.0	1249.1							
G25.0	1163.5	1178.7	1196.7							
G30.0	1089.4	1104.4	1129.1							
G35.0	992.2	1008.5	1038.3							
G40.0	867.5	886.4	917.6							
G45.0	711.5	718.2	764.7							
G50.0	554.0	549.9	582.3							
G55.0	420.5	412.9	435.9							
G60.0	309.2	300.6	316.8							
G65.0	223.7	217.7	232.3							
G70.0	158.5	153.0	164.7							
G75.0	107.7	104.0	113.5							
G80.0	63.6	63.2	71.5							
G85.0	27.0	28.1	35.2							
G90.0	1.5	1.5	3.5							
G95.0	1.7	1.8	1.8							
G100.0	2.2	2.2	2.3							
G105.0	2.7	2.7	2.8							
G110.0	3.3	3.3	3.4							
G115.0	3.9	4.0	4.1							
G120.0	4.7	4.7	4.9							
G125.0	5.4	5.5	5.6							
G130.0	6.2	6.3	6.3							
G135.0	6.9	7.0	7.1							
G140.0	7.5	7.7	7.8							
G145.0	8.2	8.3	8.4							
G150.0	8.8	8.9	8.9							
G155.0	9.2	9.3	9.3							
G160.0	9.7	9.8	9.7							
G165.0	10.2	10.2	10.2							
G170.0	10.5	10.6	10.4							
G175.0	10.7	10.8	10.6							
G180.0	10.9	10.9	10.9							

C Plane (°):0.0-360.0: 5.0  
Test Lab: LUMINOTEST  
Test Type: TYPE C  
Temperature: 24.5  
Operator: STIVEN GONZALEZ

Gamma Plane (°):0.0-180.0: 5.0  
Test Device: PM400  
Distance: 11.413  
Humidity: 45  
Inspector: