

Report No.:

Test Time: 2024-11-09 10:01

Luminaire Property

Luminaire Manufacturer:

Luminaire Category:

Lamp Catalog: 4000K

Number of Lamps: 1

Luminous Length (mm): 110 mm

Luminous Height (mm): 0 mm

Current: 0.0410 A

Power Factor: 0.9180

Luminaire Description: PROJ26

Lamp Description:

Lumens per Lamp: 914.0 lm

Luminous Width (mm): 110 mm

Voltage: 230.30 V

Power: 8.63 mW

Photometric Results

CIE Class: Direct

Measurement Flux: 914 lm

Downward Ratio: 100.00%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 152.0, 152.1, 152.0, 152.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 98.2, 98.0, 98.1, 98.1

Luminous Efficacy (lm/w): 105.91

Max. Intensity: 383.36 cd

S/MH(C0/C180): 1.17

Total Rated Lamp Lumens: 914.0 lm

Efficiency: 100.00%

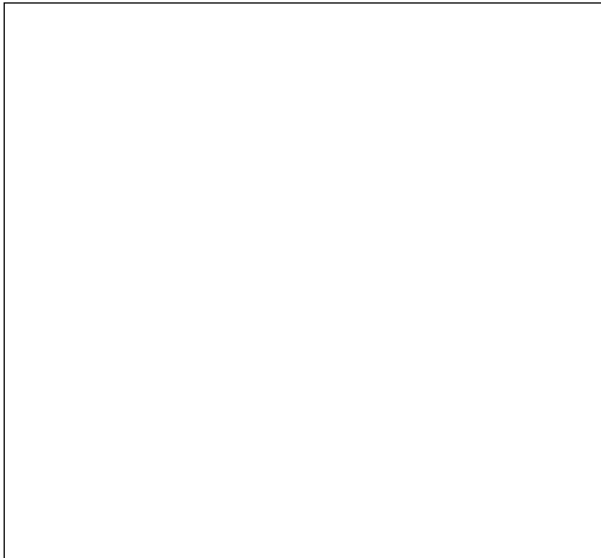
Upward Ratio: 0.00%

C0r0 Intensity: 383.21 cd

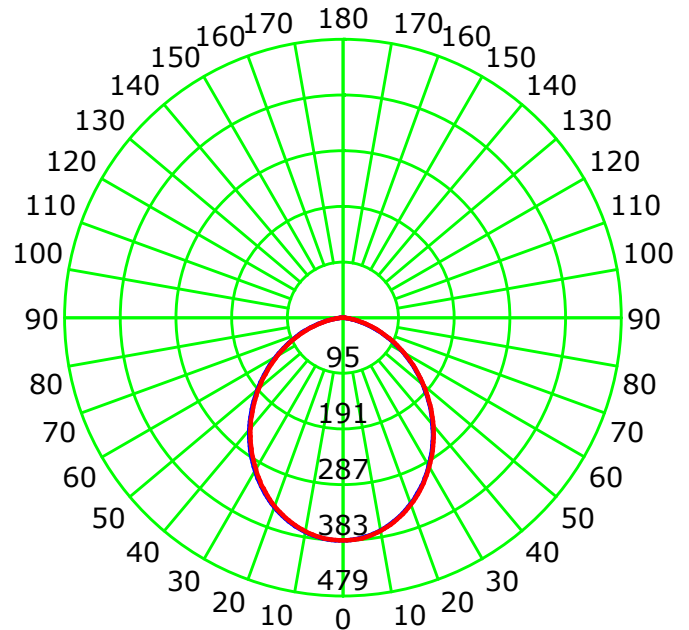
Pos of Max. Intensity: H180 V1

S/MH(C90/C270): 1.17

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

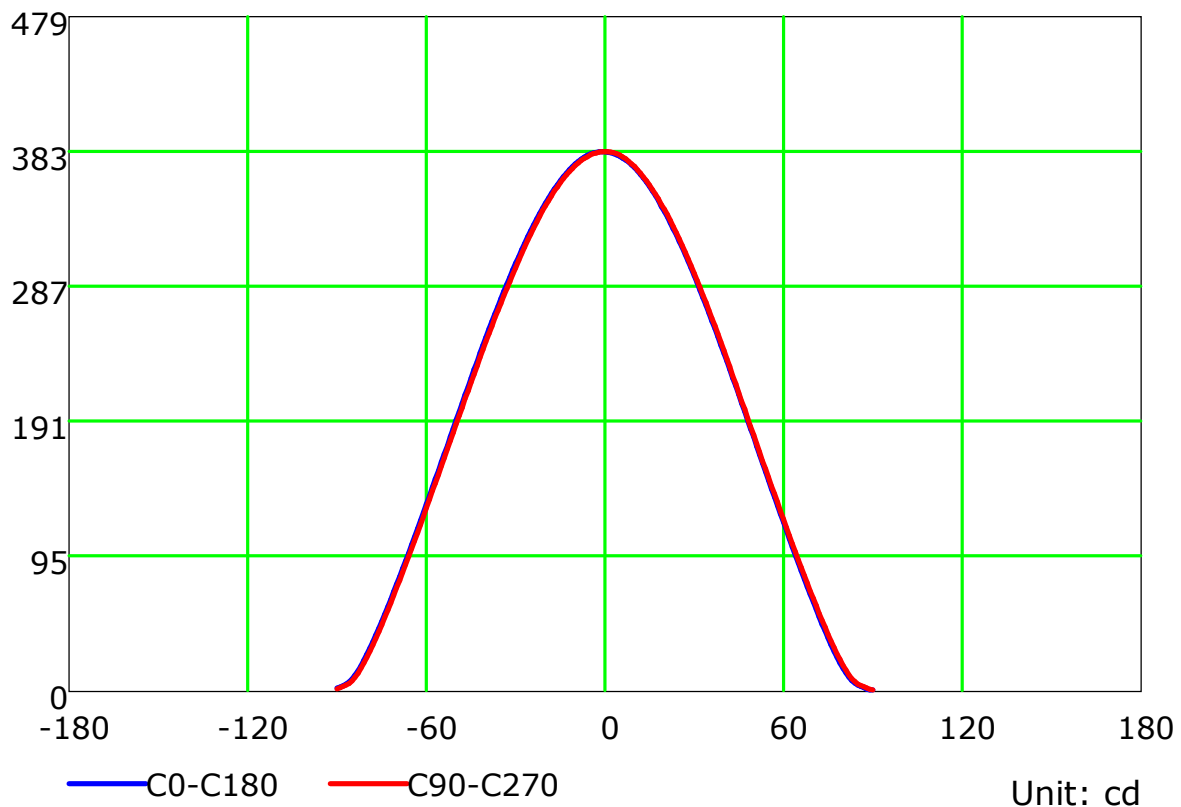
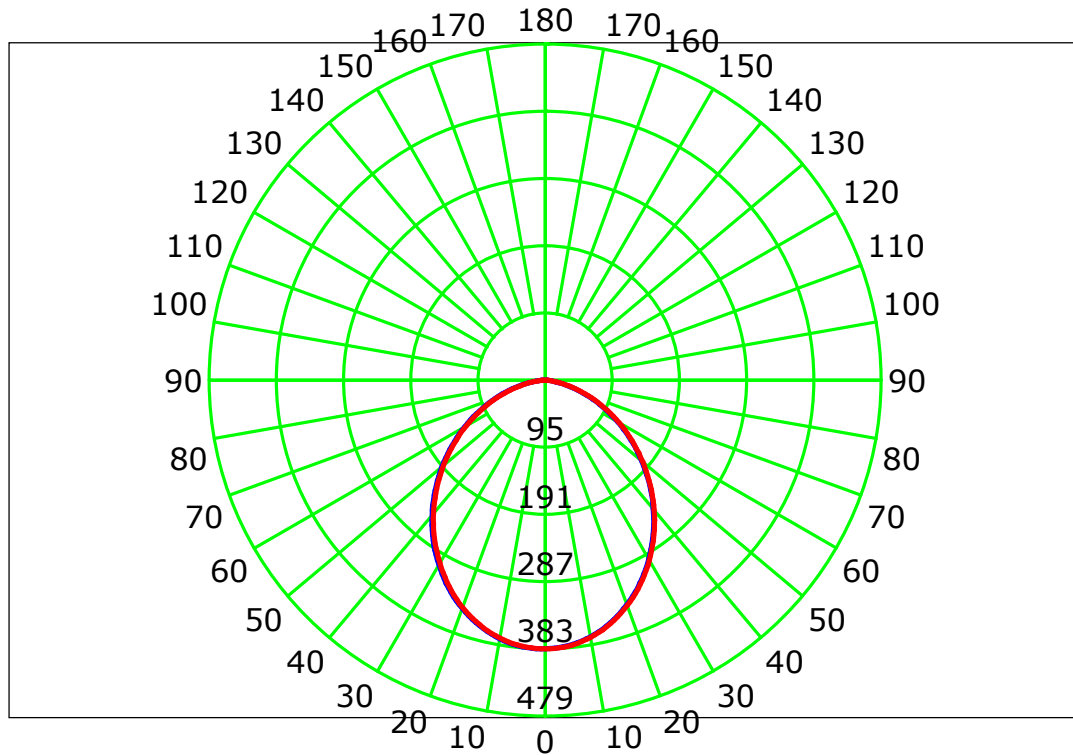
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

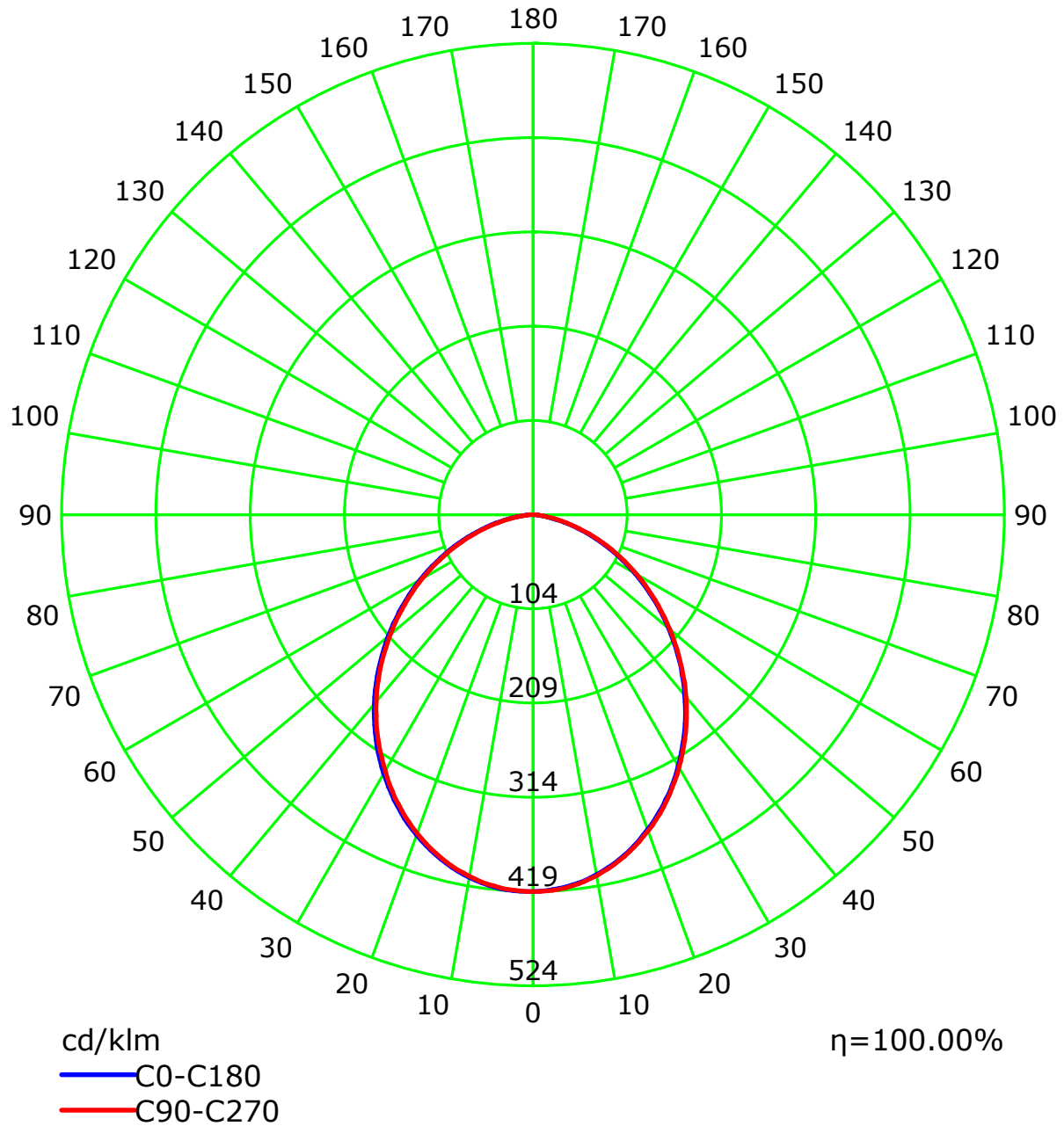
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

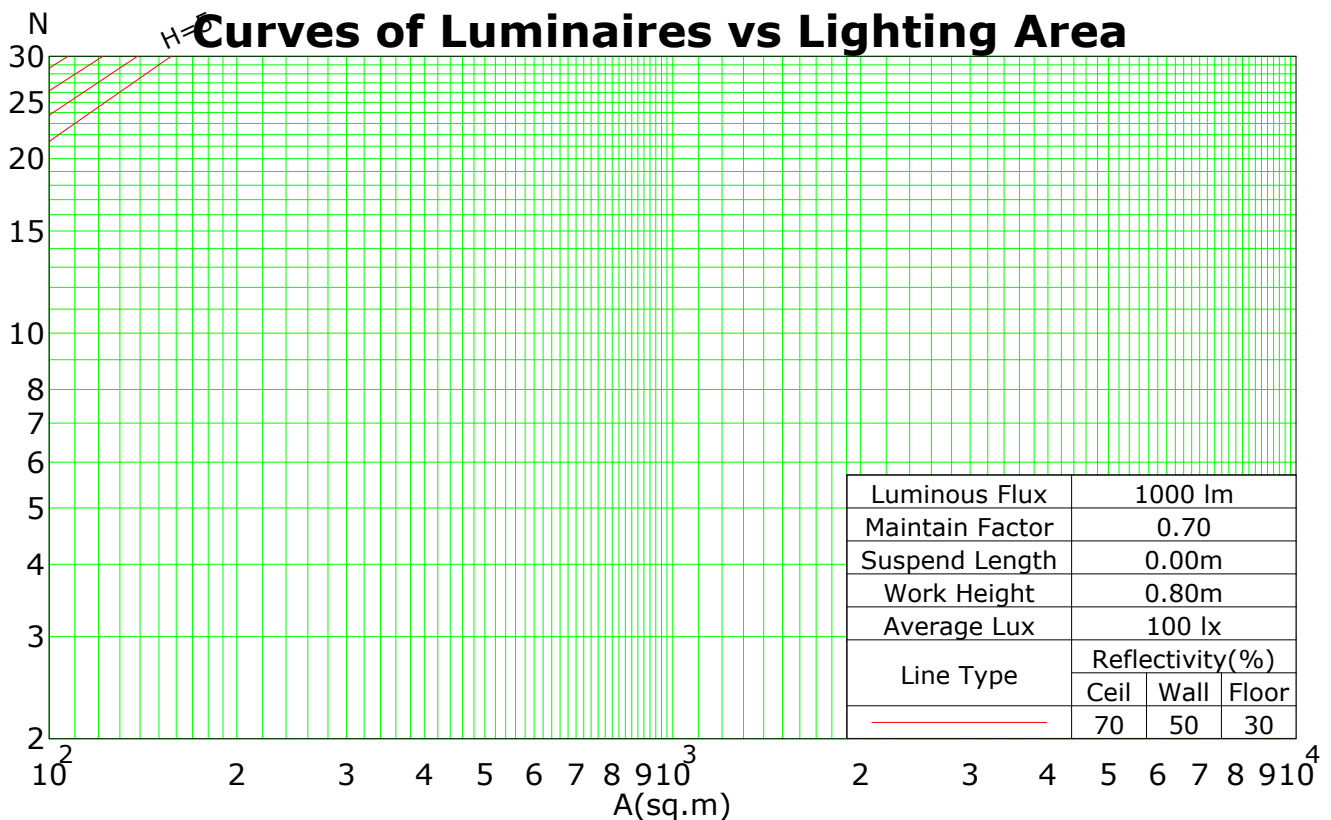
Coefficients Of Utilization - Zonal Cavity Method

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	1.19	1.19	1.19	1.19	1.16	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1	1.10	1.05	1.01	0.98	1.07	1.03	0.99	0.96	0.99	0.96	0.93	0.95	0.93	0.90	0.91	0.89	0.88	0.86
2	1.00	0.93	0.86	0.81	0.98	0.91	0.85	0.80	0.87	0.82	0.78	0.84	0.80	0.76	0.81	0.78	0.75	0.73
3	0.92	0.82	0.74	0.68	0.89	0.80	0.73	0.67	0.77	0.71	0.66	0.75	0.70	0.65	0.72	0.68	0.64	0.62
4	0.84	0.73	0.65	0.58	0.82	0.72	0.64	0.58	0.69	0.62	0.57	0.67	0.61	0.56	0.65	0.60	0.56	0.53
5	0.78	0.66	0.57	0.51	0.76	0.64	0.56	0.50	0.62	0.55	0.50	0.60	0.54	0.49	0.59	0.53	0.49	0.47
6	0.72	0.59	0.51	0.44	0.70	0.58	0.50	0.44	0.57	0.49	0.44	0.55	0.48	0.44	0.53	0.48	0.43	0.41
7	0.67	0.54	0.45	0.39	0.65	0.53	0.45	0.39	0.52	0.44	0.39	0.50	0.44	0.39	0.49	0.43	0.39	0.37
8	0.62	0.49	0.41	0.35	0.61	0.49	0.41	0.35	0.47	0.40	0.35	0.46	0.40	0.35	0.45	0.39	0.35	0.33
9	0.58	0.45	0.37	0.32	0.57	0.45	0.37	0.32	0.44	0.37	0.32	0.43	0.36	0.32	0.42	0.36	0.31	0.30
10	0.55	0.42	0.34	0.29	0.54	0.41	0.34	0.29	0.41	0.34	0.29	0.40	0.33	0.29	0.39	0.33	0.29	0.27

Spacing Criteria (0-180): 1.17

Spacing Criteria (90-270): 1.17

Spacing Criteria (Diagonal): 1.28



C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

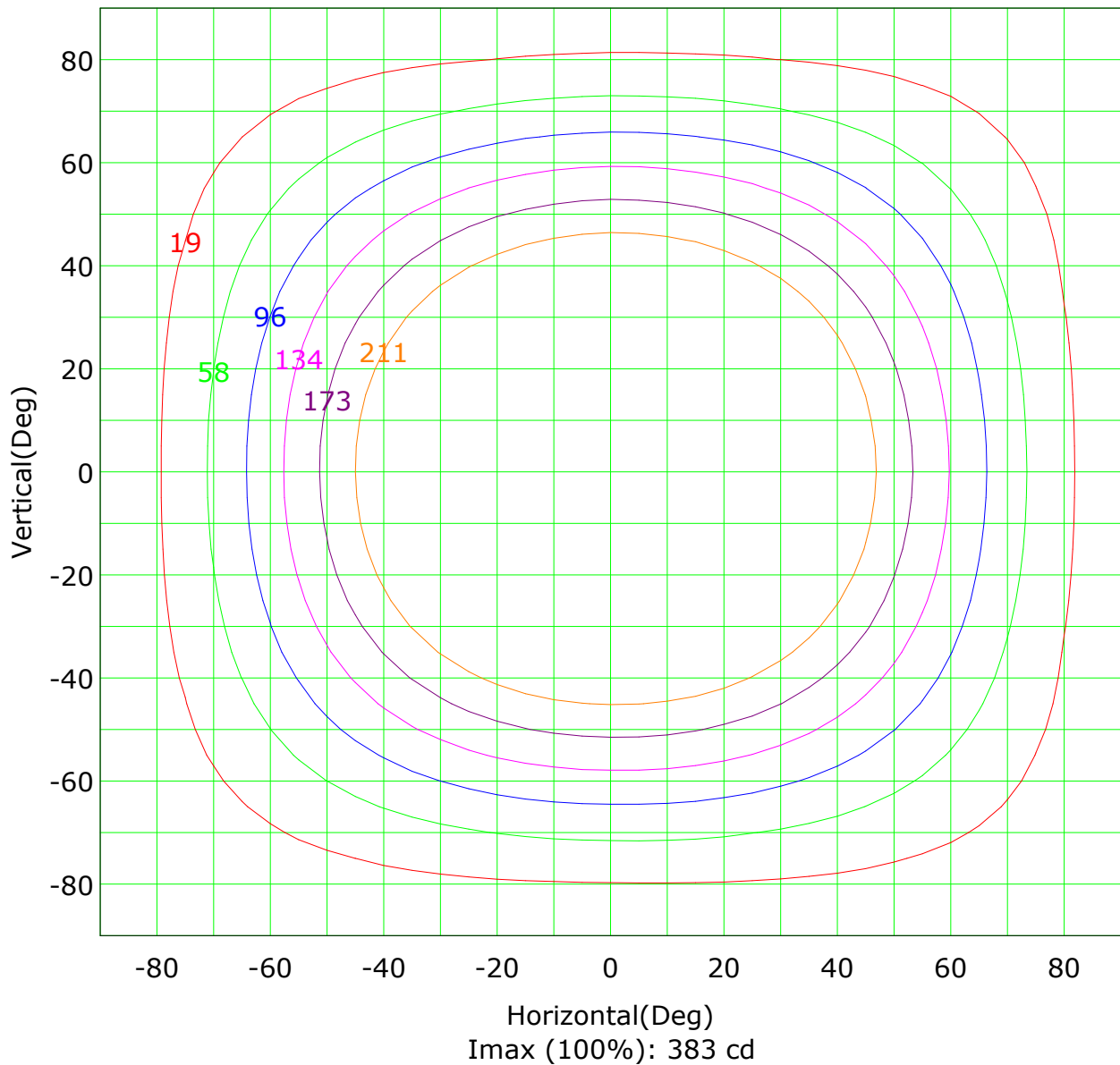
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

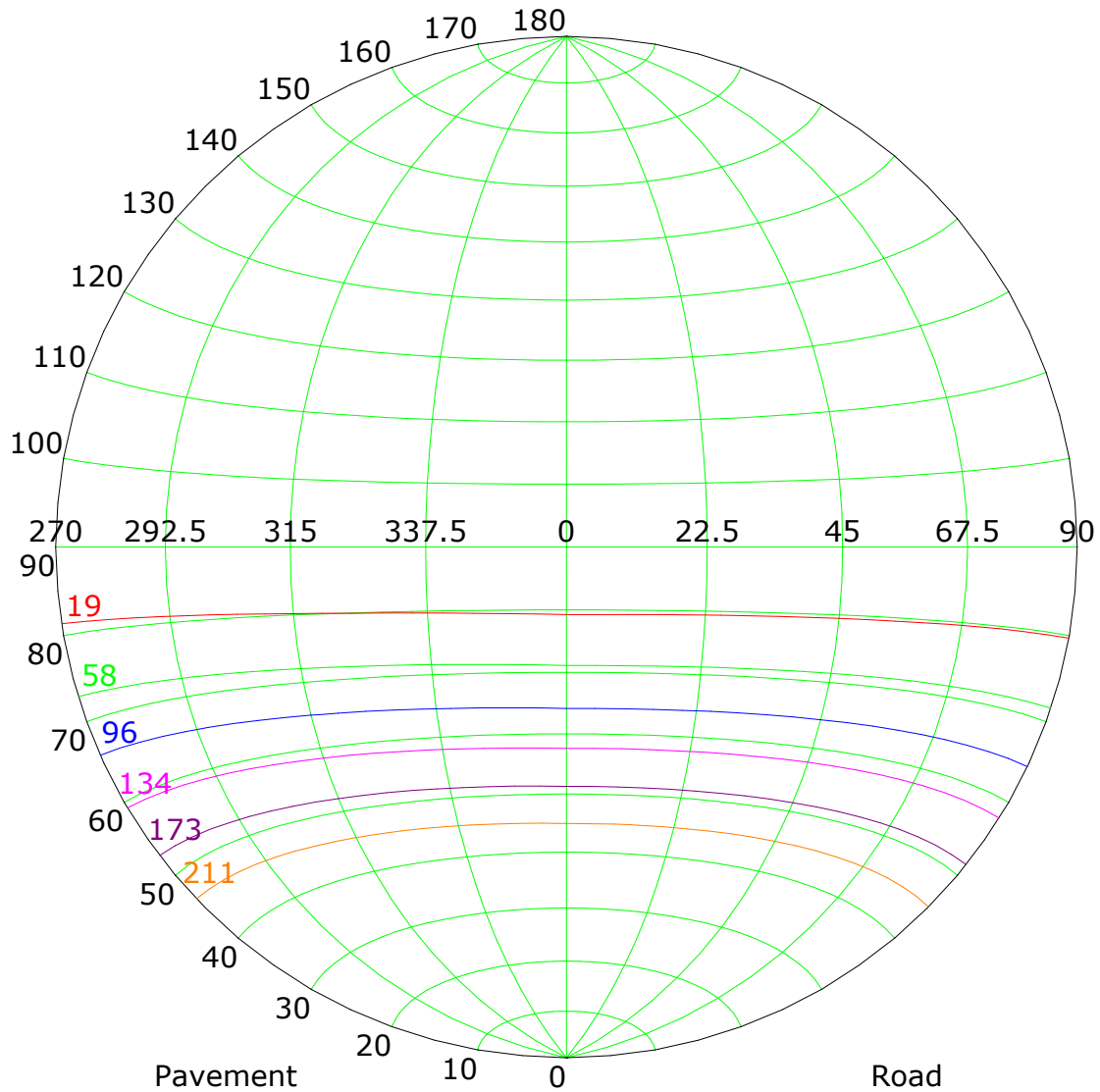
Isocandela (rectangle)



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Isocandela (sphere)



Imax (100%): 383 cd

(5%): 19 cd
(25%): 96 cd
(45%): 173 cd

(15%): 58 cd
(35%): 134 cd
(55%): 211 cd

CIE: narrow - short
CIE: Full-cut-off luminaire
Max.At90: 2.013 cd/klm

IES: Cut-off
Max.At80: 28.206 cd/klm
Max.80-90: 28.206 cd/klm

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

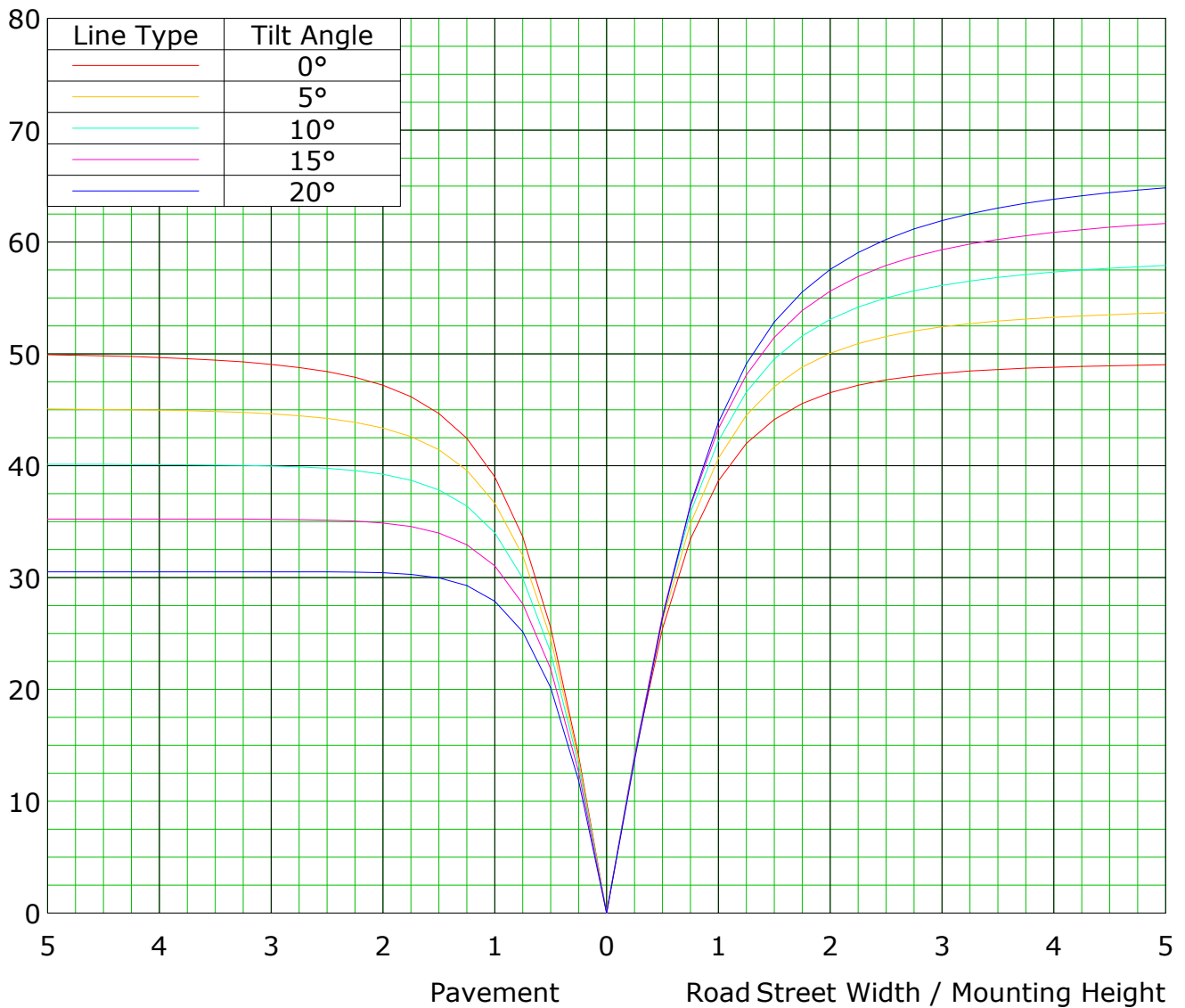
Mounting Height: 10.0m Max Lux(100%): 3.8 lx

— (5%): 0.2 lx	— (15%): 0.6 lx
— (25%): 1.0 lx	— (35%): 1.3 lx
— (45%): 1.7 lx	— (55%): 2.1 lx
— (65%): 2.5 lx	

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Roadway CU Curve

Efficiency(%)



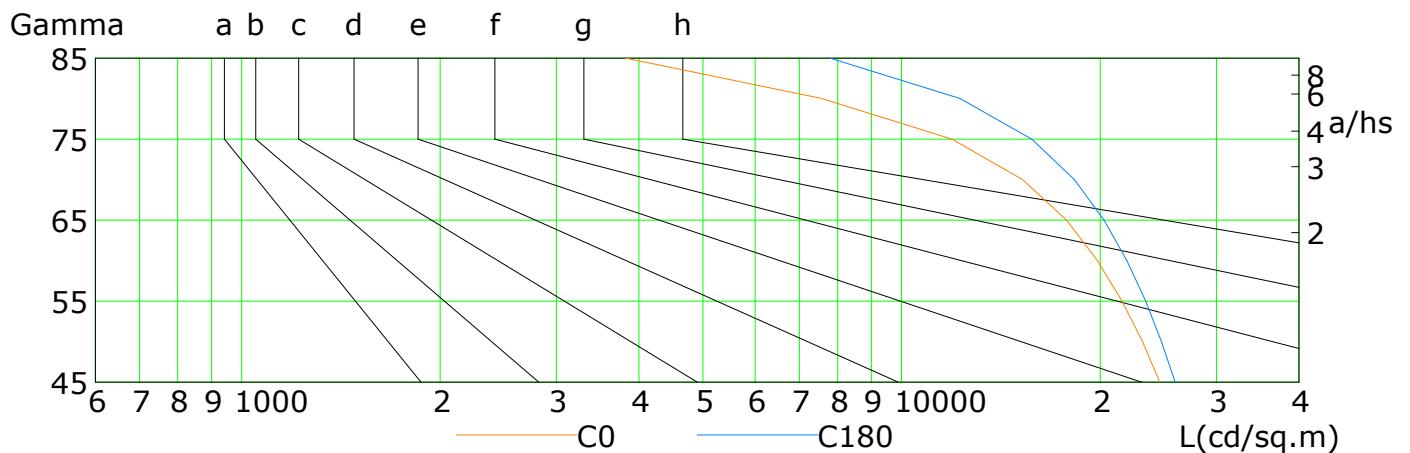
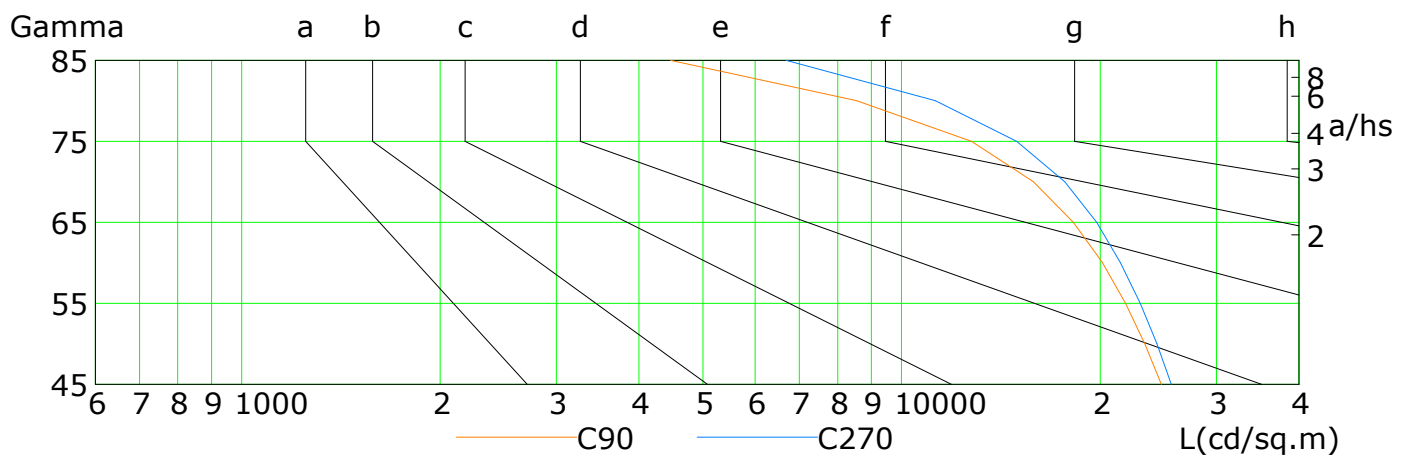
C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 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	24621	23187	21577	19808	17790	15255	11926	7567	3821
C90	24765	23363	21848	20160	18202	15844	12773	8548	4466
C180	25972	24745	23440	21936	20275	18275	15742	12270	7795
C270	25644	24372	22996	21461	19753	17668	14950	11256	6685

C Plane (°):0.0-360.0: 90.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-90.0:1.0

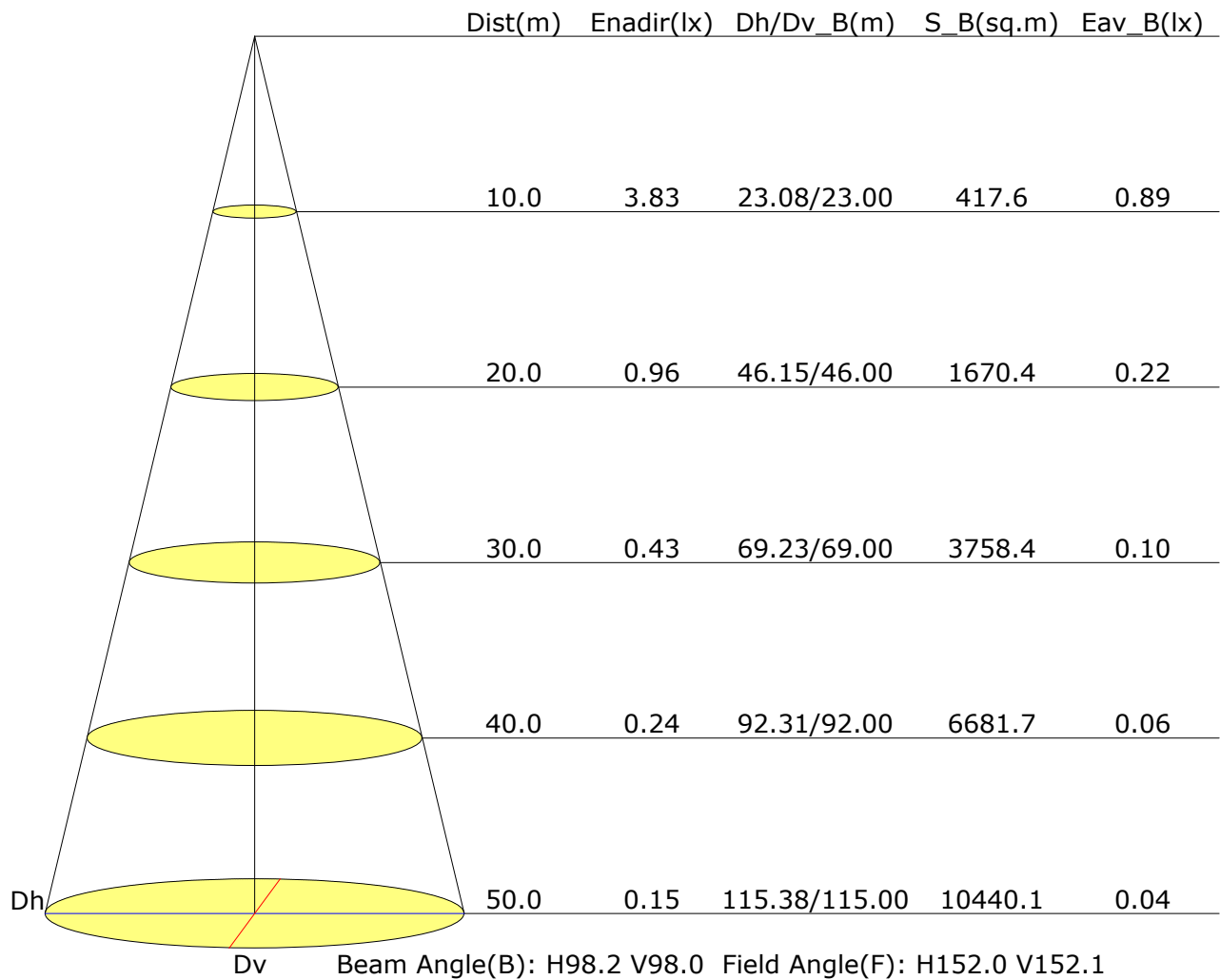
Test Device: GPM-1600L

Distance: 7.172 m [K=1.0000]

Humidity:

Inspector:

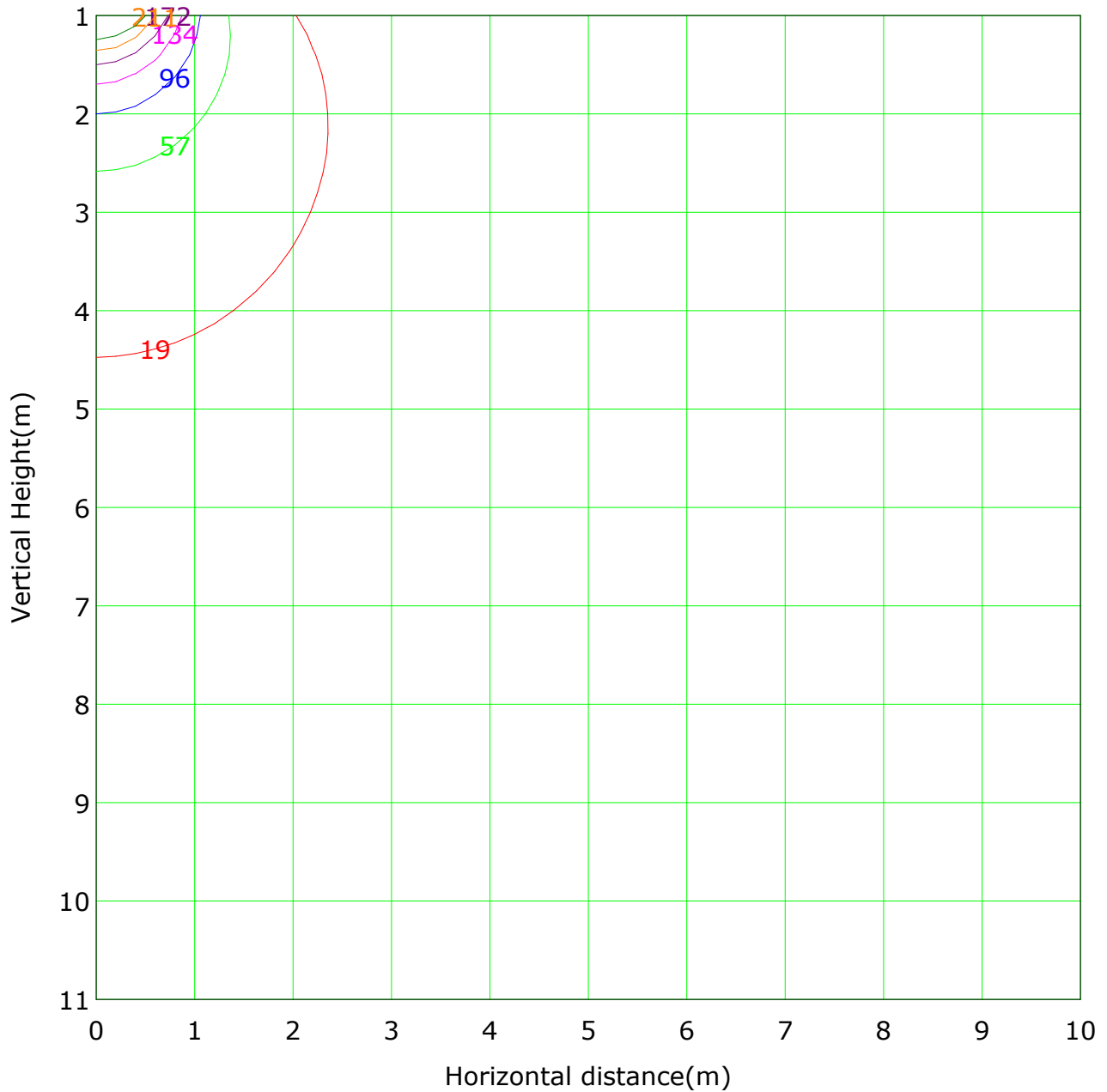
Illuminance at a Distance



C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 383.2 lx

— (5%): 19.2 lx	— (15%): 57.5 lx
— (25%): 95.8 lx	— (35%): 134.1 lx
— (45%): 172.4 lx	— (55%): 210.8 lx
— (65%): 249.1 lx	

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

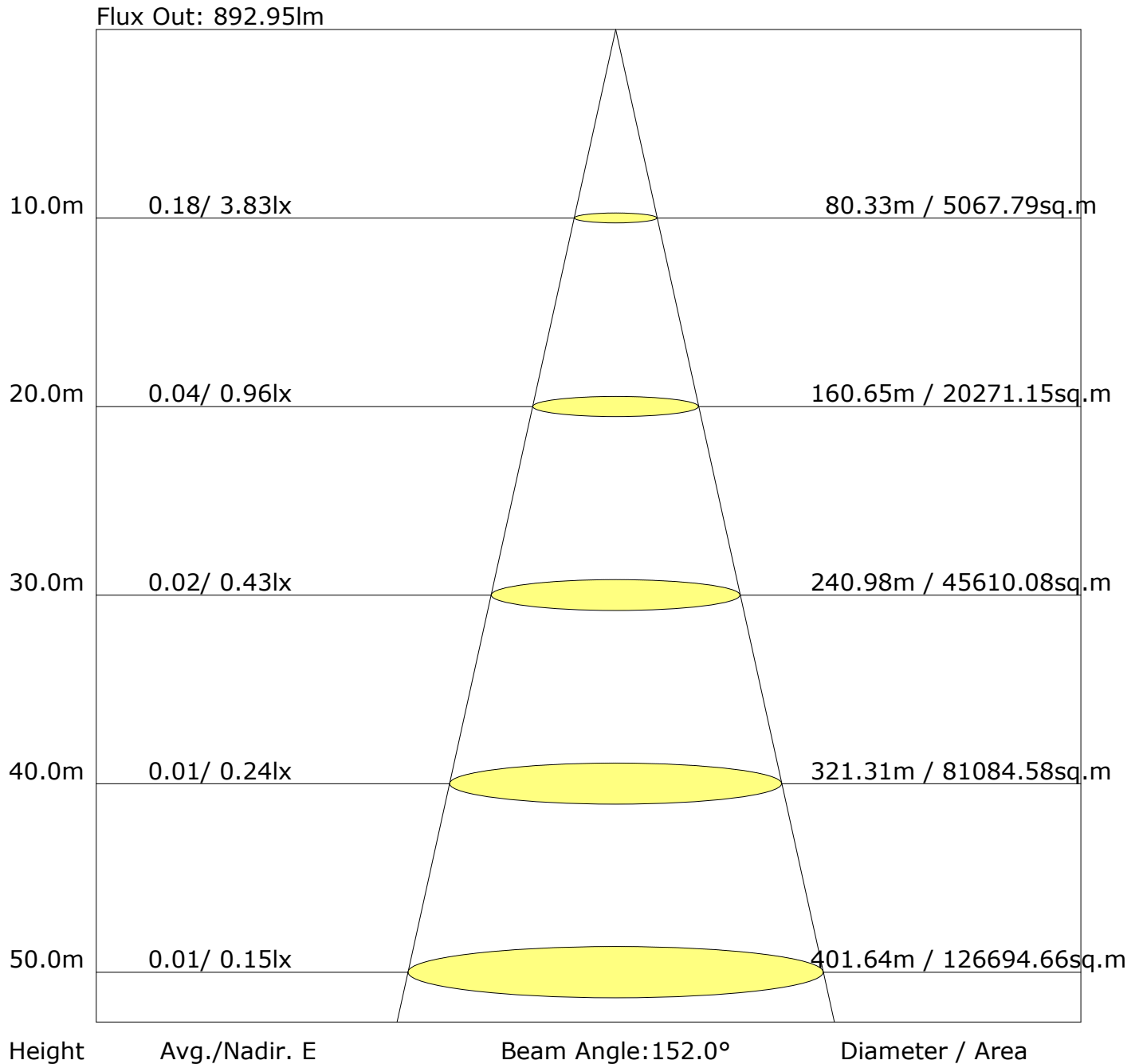
Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Unit: 1m

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

The Average Illuminance Effective Figure



C Plane (°): 0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°): 0.0-90.0: 1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

UGR Table

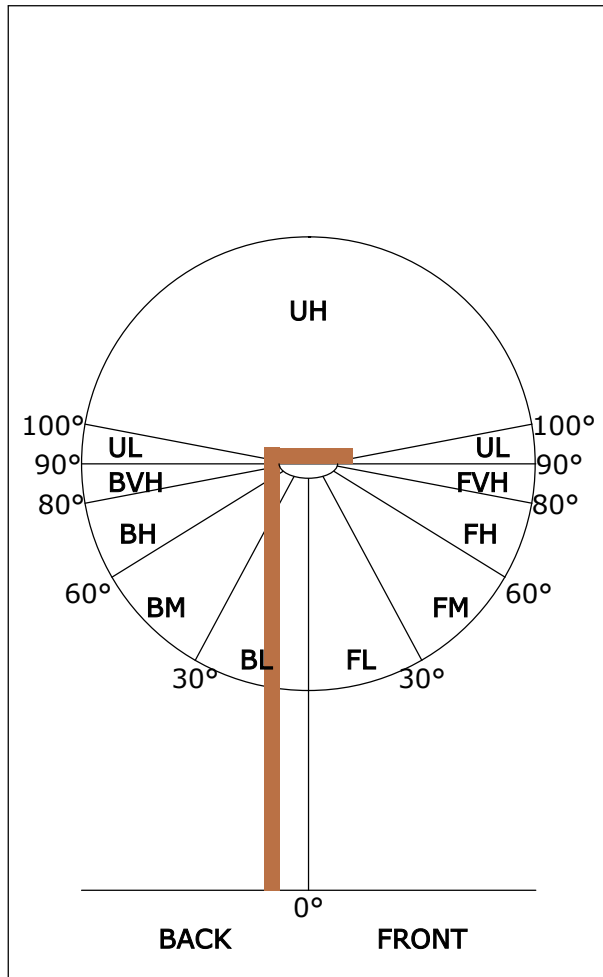
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	23.0	24.3	23.3	24.6	24.8	23.2	24.5	23.5	24.7	25.0
3H	24.1	25.3	24.5	25.6	25.9	24.4	25.6	24.7	25.9	26.1
4H	24.5	25.6	24.8	25.9	26.2	24.8	25.9	25.1	26.2	26.5
6H	24.6	25.7	25.0	26.0	26.3	25.0	26.1	25.4	26.4	26.7
8H	24.6	25.6	25.0	25.9	26.3	25.0	26.1	25.4	26.4	26.7
12H	24.6	25.6	25.0	25.9	26.2	25.0	26.0	25.4	26.3	26.7
X=4H Y=2H	23.6	24.7	23.9	25.0	25.3	23.7	24.8	24.1	25.1	25.4
3H	24.9	25.8	25.2	26.2	26.5	25.1	26.1	25.5	26.4	26.7
4H	25.3	26.2	25.7	26.5	26.9	25.6	26.5	26.0	26.8	27.2
6H	25.5	26.3	25.9	26.7	27.1	25.9	26.6	26.3	27.0	27.4
8H	25.5	26.2	26.0	26.6	27.1	25.9	26.6	26.4	27.0	27.5
12H	25.5	26.2	26.0	26.6	27.0	26.0	26.6	26.4	27.0	27.4
X=8H Y=4H	25.5	26.2	25.9	26.6	27.0	25.7	26.4	26.2	26.8	27.3
6H	25.8	26.3	26.2	26.8	27.2	26.1	26.7	26.6	27.1	27.6
8H	25.8	26.3	26.3	26.8	27.2	26.2	26.7	26.7	27.1	27.6
12H	25.8	26.3	26.3	26.7	27.2	26.2	26.7	26.7	27.1	27.6
X=12H Y=4H	25.5	26.1	25.9	26.5	27.0	25.7	26.4	26.2	26.8	27.2
6H	25.8	26.3	26.3	26.7	27.2	26.1	26.6	26.6	27.1	27.5
8H	25.8	26.3	26.3	26.7	27.2	26.2	26.6	26.7	27.1	27.6
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.2					+0.2/-0.2				
S=1.5H	+0.4/-0.7					+0.3/-0.6				
S=2.0H	+0.7/-1.3					+0.7/-1.1				

Calculate in accordance with CIE Pub.117. The table is revised with 914Im ($8\log(F/F_0) = -0.3$).

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

FLUX DISTRIBUTION TABLE BASED ON THE IESNA LUMINAIRE CLASSIFICATION SYSTEM



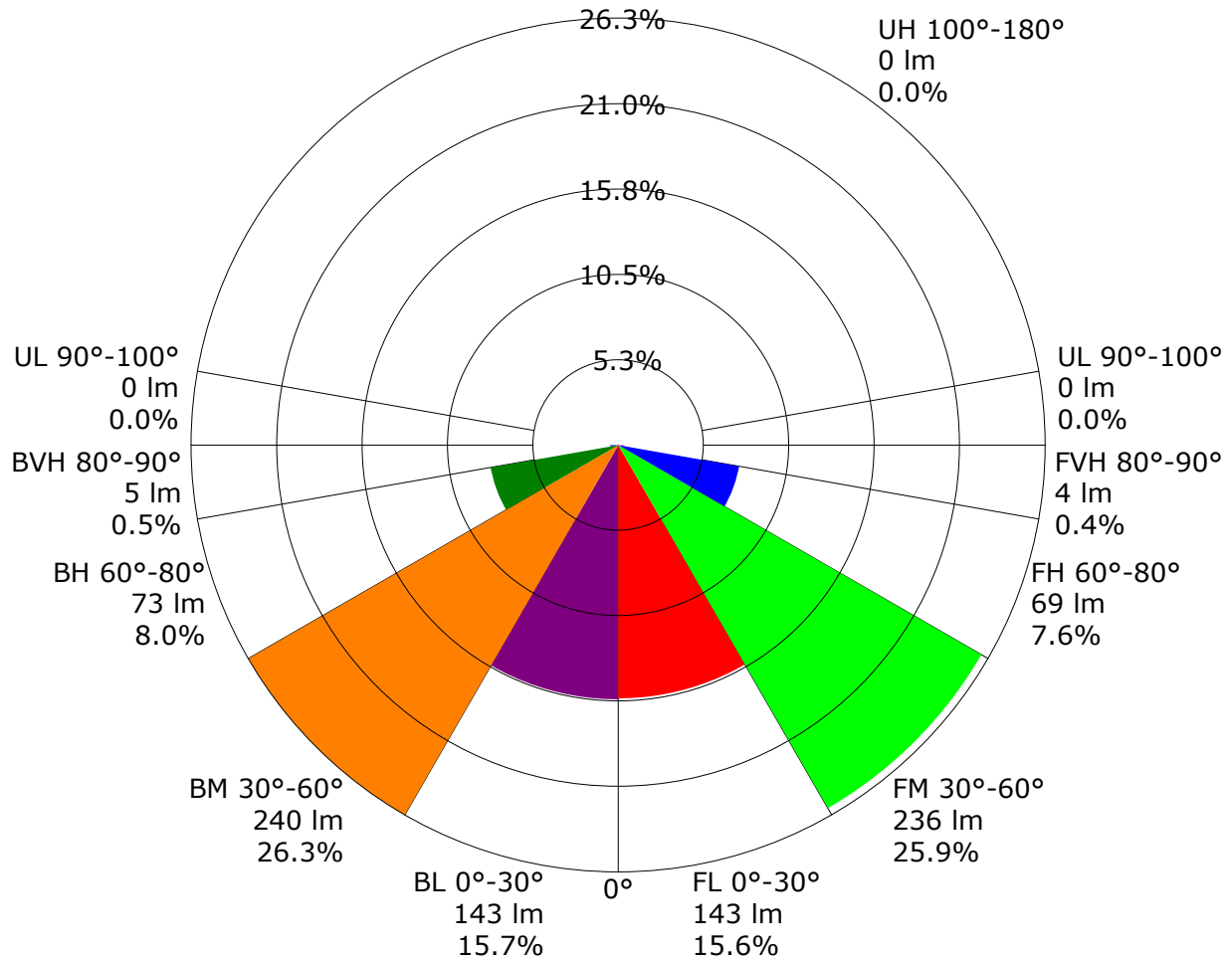
ZONE	LUMENS	% LAMP LUMENS
FORWARD LIGHT	453	49.5
FL (0°-30°)	143	15.6
FM (30°-60°)	236	25.9
FH (60°-80°)	69	7.6
FVH (80°-90°)	4	0.4
BACK LIGHT	461	50.5
BL (0°-30°)	143	15.7
BM (30°-60°)	240	26.3
BH (60°-80°)	73	8.0
BVH (80°-90°)	5	0.5
UP LIGHT	0	0.0
UL (90°-100°)	0	0.0
UH (100°-180°)	0	0.0
TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U0 G0
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U0 G0

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

LCS Graph



Back Light

Forward Light

Scale= MAX LCS%

Trapped Light:NA,NA

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

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	0.60	0.71	0.78	0.83	0.90	0.95	0.98	1.02	1.05	
	0.30		0.53	0.63	0.71	0.76	0.84	0.90	0.93	0.98	1.02	
	0.20		0.48	0.58	0.66	0.71	0.80	0.85	0.89	0.95	0.99	
0.50	0.50	0.20	0.59	0.69	0.75	0.80	0.87	0.91	0.94	0.98	1.01	
	0.30		0.52	0.62	0.69	0.75	0.82	0.87	0.90	0.95	0.98	
	0.20		0.47	0.57	0.65	0.70	0.78	0.83	0.87	0.92	0.96	
0.30	0.50	0.20	0.57	0.67	0.73	0.78	0.84	0.88	0.91	0.95	0.97	
	0.30		0.51	0.61	0.68	0.73	0.80	0.85	0.88	0.92	0.95	
	0.20		0.47	0.57	0.64	0.69	0.76	0.81	0.85	0.90	0.93	
0.00	0.00	0.00	0.45	0.54	0.61	0.66	0.73	0.78	0.81	0.85	0.88	
Rating:9W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.94	0.77	0.65	0.56	0.45	0.37	0.31	0.24	0.20	
	0.30		0.79	0.66	0.57	0.50	0.40	0.34	0.29	0.23	0.19	
	0.20		0.67	0.58	0.50	0.45	0.37	0.31	0.27	0.21	0.18	
0.50	0.50	0.20	0.91	0.74	0.62	0.54	0.43	0.38	0.30	0.23	0.19	
	0.30		0.77	0.64	0.55	0.48	0.39	0.32	0.28	0.22	0.18	
	0.20		0.67	0.57	0.49	0.44	0.36	0.30	0.26	0.21	0.17	
0.30	0.50	0.20	0.88	0.71	0.60	0.52	0.41	0.33	0.28	0.22	0.18	
	0.30		0.75	0.63	0.54	0.47	0.37	0.31	0.27	0.21	0.17	
	0.20		0.66	0.56	0.48	0.43	0.35	0.29	0.25	0.20	0.16	
0.00	0.00	0.00	0.55	0.46	0.39	0.34	0.27	0.22	0.19	0.15	0.12	
Rating:9W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												

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	0.20	0.21	0.21	0.22	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	0.15	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	
	0.30		0.09	0.11	0.12	0.13	0.15	0.16	0.17	0.18	0.19	
	0.20		0.05	0.06	0.08	0.09	0.11	0.13	0.14	0.15	0.17	
0.30	0.50	0.20	0.15	0.16	0.17	0.17	0.18	0.19	0.19	0.19	0.20	
	0.30		0.09	0.11	0.12	0.13	0.14	0.15	0.16	0.17	0.18	
	0.20		0.05	0.06	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
0.00	0.00	0.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	
Rating:9W 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 _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	383.2	0.4	0.4	0.04	0.04
1.0-2.0	383.0	1.1	1.5	0.12	0.16
2.0-3.0	382.7	1.8	3.3	0.20	0.36
3.0-4.0	382.1	2.6	5.9	0.28	0.64
4.0-5.0	381.4	3.3	9.1	0.36	1.00
5.0-6.0	380.3	4.0	13.1	0.44	1.44
6.0-7.0	379.0	4.7	17.8	0.51	1.95
7.0-8.0	377.6	5.4	23.2	0.59	2.54
8.0-9.0	376.0	6.1	29.3	0.67	3.21
9.0-10.0	374.1	6.8	36.1	0.74	3.95
10.0-11.0	372.0	7.4	43.5	0.81	4.76
11.0-12.0	369.8	8.1	51.6	0.88	5.65
12.0-13.0	367.4	8.7	60.3	0.95	6.60
13.0-14.0	364.8	9.3	69.7	1.02	7.62
14.0-15.0	362.0	9.9	79.6	1.09	8.71
15.0-16.0	359.0	10.5	90.1	1.15	9.86
16.0-17.0	355.9	11.1	101.2	1.21	11.08
17.0-18.0	352.6	11.6	112.9	1.27	12.35
18.0-19.0	349.1	12.1	125.0	1.33	13.68
19.0-20.0	345.4	12.6	137.7	1.38	15.06
20.0-21.0	341.8	13.1	150.8	1.44	16.50
21.0-22.0	337.9	13.6	164.4	1.49	17.98
22.0-23.0	333.8	14.0	178.4	1.53	19.51
23.0-24.0	329.7	14.4	192.8	1.58	21.09
24.0-25.0	325.2	14.8	207.6	1.62	22.71
25.0-26.0	320.9	15.2	222.7	1.66	24.37
26.0-27.0	316.3	15.5	238.2	1.69	26.06
27.0-28.0	311.5	15.8	254.0	1.73	27.79
28.0-29.0	306.8	16.1	270.0	1.76	29.54
29.0-30.0	301.7	16.3	286.3	1.78	31.33
30.0-31.0	296.7	16.5	302.8	1.81	33.13
31.0-32.0	291.6	16.7	319.5	1.83	34.96
32.0-33.0	286.5	16.9	336.4	1.85	36.81
33.0-34.0	281.3	17.0	353.4	1.86	38.67
34.0-35.0	276.0	17.1	370.6	1.88	40.55
35.0-36.0	270.5	17.2	387.8	1.88	42.43

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 1)

Gamma [°]	I _{mean} [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	265.1	17.3	405.1	1.89	44.32
37.0-38.0	259.6	17.3	422.4	1.90	46.22
38.0-39.0	254.0	17.3	439.8	1.90	48.12
39.0-40.0	248.2	17.3	457.1	1.89	50.01
40.0-41.0	242.5	17.3	474.4	1.89	51.90
41.0-42.0	236.9	17.2	491.6	1.88	53.78
42.0-43.0	230.9	17.1	508.7	1.87	55.65
43.0-44.0	224.9	17.0	525.7	1.86	57.51
44.0-45.0	219.0	16.8	542.5	1.84	59.35
45.0-46.0	213.0	16.7	559.1	1.82	61.18
46.0-47.0	207.0	16.5	575.6	1.80	62.98
47.0-48.0	200.9	16.2	591.9	1.78	64.75
48.0-49.0	194.8	16.0	607.9	1.75	66.51
49.0-50.0	189.0	15.8	623.6	1.72	68.23
50.0-51.0	182.9	15.5	639.1	1.69	69.92
51.0-52.0	176.8	15.2	654.3	1.66	71.58
52.0-53.0	170.9	14.9	669.1	1.63	73.21
53.0-54.0	164.8	14.5	683.7	1.59	74.80
54.0-55.0	158.9	14.2	697.8	1.55	76.35
55.0-56.0	152.8	13.8	711.7	1.51	77.86
56.0-57.0	146.8	13.4	725.1	1.47	79.33
57.0-58.0	141.0	13.0	738.1	1.43	80.76
58.0-59.0	135.1	12.6	750.8	1.38	82.14
59.0-60.0	129.1	12.2	762.9	1.33	83.47
60.0-61.0	123.1	11.7	774.7	1.29	84.76
61.0-62.0	117.2	11.3	786.0	1.24	85.99
62.0-63.0	111.5	10.8	796.8	1.19	87.18
63.0-64.0	105.6	10.4	807.2	1.13	88.32
64.0-65.0	99.9	9.9	817.1	1.08	89.40
65.0-66.0	94.4	9.4	826.5	1.03	90.43
66.0-67.0	88.7	8.9	835.4	0.98	91.40
67.0-68.0	83.0	8.4	843.8	0.92	92.32
68.0-69.0	77.5	7.9	851.8	0.87	93.19
69.0-70.0	72.1	7.4	859.2	0.81	94.00
70.0-71.0	66.8	6.9	866.1	0.76	94.75
71.0-72.0	61.4	6.4	872.4	0.70	95.45

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Zonal Lumen (Continue 2)

[illegible]

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Zonal Lumen (Continue 3)

cone flux(90°): 542.49 lm

%lum = 59.4%
%lamp = 59.4%

cone flux(120°): 762.95 lm

%lum = 83.5%
%lamp = 83.5%

Candlepower Table

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0
G0.0	383.2	383.3	383.2	383.3	383.2
G1.0	382.9	383.2	383.4	383.1	382.9
G2.0	382.6	382.9	383.2	382.9	382.6
G3.0	381.9	382.5	382.9	382.4	381.9
G4.0	381.0	381.9	382.4	381.9	381.0
G5.0	380.1	381.1	381.7	381.0	380.1
G6.0	378.8	379.6	380.7	379.6	378.8
G7.0	377.4	378.3	379.5	378.5	377.4
G8.0	375.9	376.5	378.1	377.0	375.9
G9.0	373.8	374.7	376.5	375.3	373.8
G10.0	371.8	372.8	374.7	373.5	371.8
G11.0	369.5	370.2	372.5	371.2	369.5
G12.0	367.0	368.1	370.4	369.1	367.0
G13.0	364.6	365.4	368.1	366.8	364.6
G14.0	361.5	362.6	365.4	364.1	361.5
G15.0	358.6	359.6	362.8	361.4	358.6
G16.0	355.4	356.3	359.8	358.1	355.4
G17.0	352.0	353.1	356.9	355.4	352.0
G18.0	348.5	349.7	353.6	351.9	348.5
G19.0	344.4	345.8	350.3	348.5	344.4
G20.0	340.7	342.2	346.6	344.9	340.7
G21.0	336.9	338.5	342.9	341.3	336.9
G22.0	332.6	334.4	339.3	337.2	332.6
G23.0	328.4	330.2	335.5	333.2	328.4
G24.0	324.3	325.8	331.0	328.9	324.3
G25.0	319.5	321.2	326.9	324.4	319.5
G26.0	315.4	316.7	322.8	320.5	315.4
G27.0	310.2	311.7	317.9	315.4	310.2
G28.0	305.4	307.1	313.5	310.9	305.4
G29.0	300.5	302.2	308.5	306.1	300.5
G30.0	295.2	296.7	303.9	300.6	295.2
G31.0	290.0	291.7	299.3	296.0	290.0
G32.0	284.6	286.6	294.1	290.7	284.6
G33.0	279.4	281.2	289.2	285.9	279.4
G34.0	274.1	276.0	284.1	280.8	274.1
G35.0	268.4	270.4	278.7	275.3	268.4

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

Candlepower Table(Continue 1)

Unit: cd

G\C	C0.0	C90.0	C180.0	C270.0	C360.0
G36.0	262.9	265.0	273.4	270.3	262.9
G37.0	257.4	259.3	267.7	265.1	257.4
G38.0	251.6	253.6	262.5	259.2	251.6
G39.0	245.8	248.0	257.3	253.9	245.8
G40.0	239.8	241.9	251.1	248.3	239.8
G41.0	234.3	236.0	245.8	242.6	234.3
G42.0	228.5	230.5	240.3	237.1	228.5
G43.0	222.3	224.0	233.9	230.8	222.3
G44.0	216.7	218.2	228.4	224.9	216.7
G45.0	210.7	211.9	222.2	219.4	210.7
G46.0	204.4	205.8	216.1	213.3	204.4
G47.0	198.4	200.1	210.4	207.7	198.4
G48.0	191.9	193.6	204.2	201.1	191.9
G49.0	186.1	187.6	198.4	195.6	186.1
G50.0	180.3	181.7	192.5	189.6	180.3
G51.0	173.8	175.6	186.3	183.4	173.8
G52.0	167.8	169.7	180.6	177.6	167.8
G53.0	161.9	163.3	174.1	171.9	161.9
G54.0	155.7	157.6	168.4	165.4	155.7
G55.0	149.8	151.6	162.7	159.6	149.8
G56.0	143.5	145.5	156.3	153.6	143.5
G57.0	137.7	139.8	150.6	147.5	137.7
G58.0	131.8	134.1	144.7	142.1	131.8
G59.0	125.7	127.8	138.5	136.0	125.7
G60.0	119.8	122.0	132.7	129.8	119.8
G61.0	114.0	116.0	126.7	123.7	114.0
G62.0	108.0	110.3	121.0	118.1	108.0
G63.0	102.2	104.6	115.4	112.4	102.2
G64.0	96.3	98.7	109.1	106.4	96.3
G65.0	91.0	93.1	103.7	101.0	91.0
G66.0	85.3	87.8	97.8	95.4	85.3
G67.0	79.4	81.9	92.1	89.6	79.4
G68.0	73.8	76.5	86.9	84.0	73.8
G69.0	68.7	71.0	81.1	78.3	68.7
G70.0	63.1	65.6	75.6	73.1	63.1
G71.0	57.9	60.6	70.6	67.8	57.9

C Plane (°):0.0-360.0: 90.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

Gamma Plane (°):0.0-90.0:1.0
 Test Device: GPM-1600L
 Distance: 7.172 m [K=1.0000]
 Humidity:
 Inspector:

Candlepower Table(Continue 2)

Unit: cd

[illegible]

C Plane (°):0.0-360.0: 90.0
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

Gamma Plane (°):0.0-90.0:1.0
Test Device: GPM-1600L
Distance: 7.172 m [K=1.0000]
Humidity:
Inspector:

LED Average Luminance Report

Avg.L	cd/m ²
L 0-180(65) av	19032.28
L 0-180(75) av	13834.29
L 0-180(85) av	5807.98
L 90-270(65) av	18977.53
L 90-270(75) av	13861.44
L 90-270(85) av	5575.66
L 45(65) av	19004.90
L 45(75) av	13847.87
L 45(85) av	5691.82

Standard: GB/T 29293-2012