

Report No.:

Test Time: 2019/1/2 15:35

## Luminaire Property

Luminaire Manufacturer: ASD Lighting Corp  
Voltage: 121.2 V  
Power: 20.45 W

Current: 0.173 A  
Power Factor: 0.973

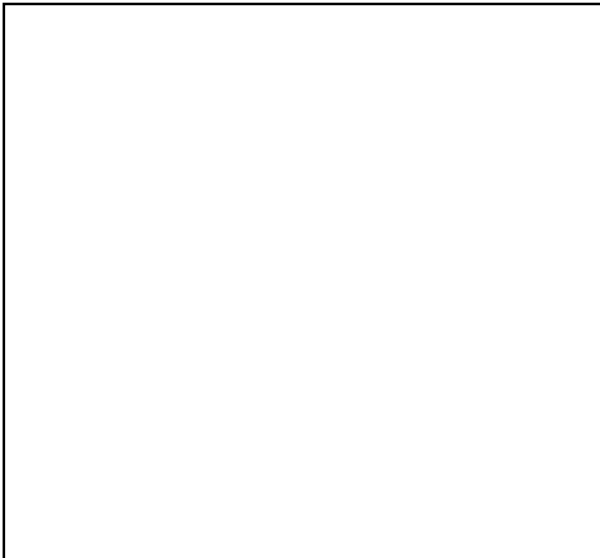
## Photometric Results

CIE Class: Semi-Direct  
Measurement Flux: 2466.1 lm  
Downward Ratio: 82%  
Horizontal Diffuse Angle(50%): H176  
Vertical Diffuse Angle(50%): V175.1  
Luminaire Efficacy Rating (LER): 120.64  
Max. Intensity: 414.11 cd  
S/MH(C0/C180): 1.60

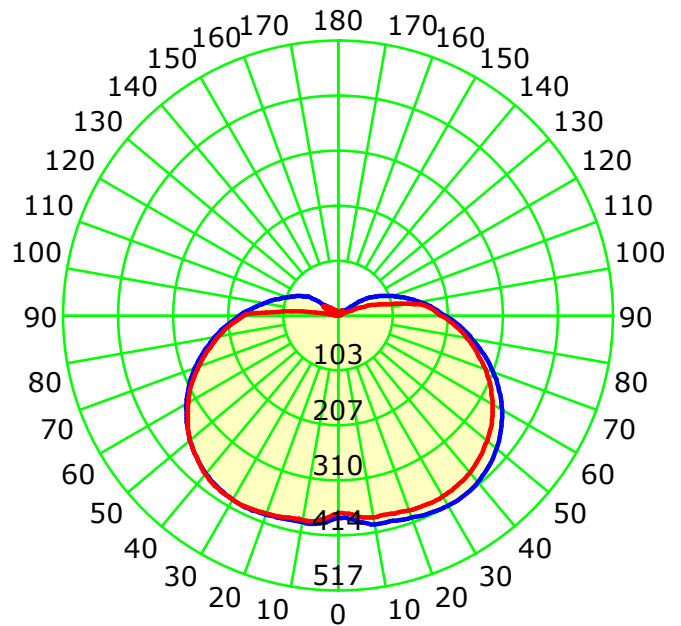
Total Rated Lamp Lumens: 2466.1 lm  
Efficiency: 100%  
Upward Ratio: 18%

Central Intensity: 380.66 cd  
Pos of Max. Intensity: H0 V32  
S/MH(C90/C270): 1.59

Picture Of Luminaire



Luminous Intensity Distribution Curve



Unit: cd

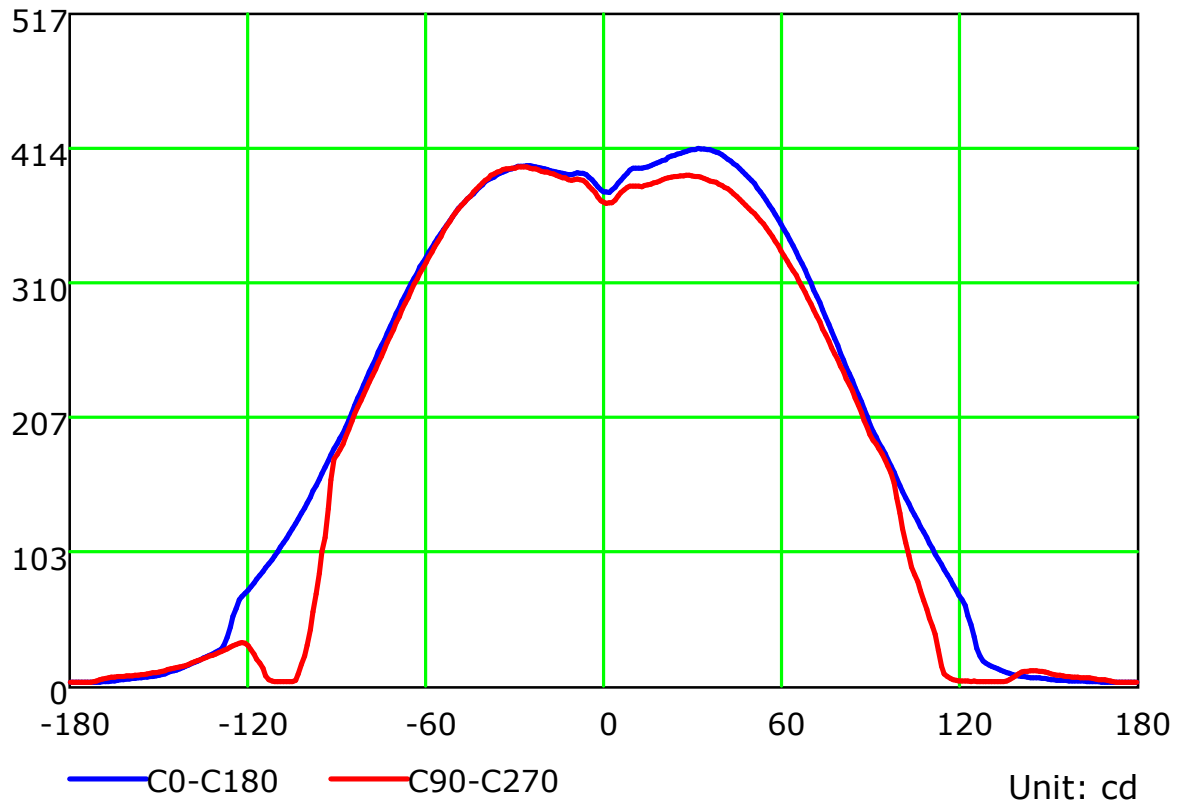
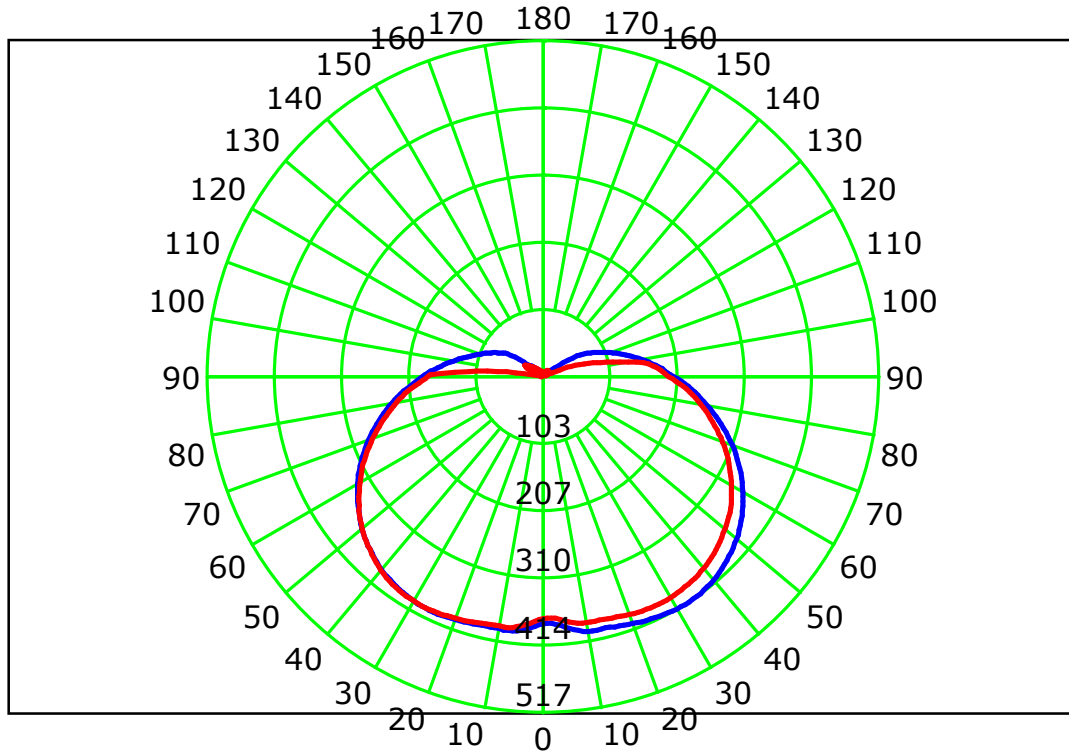
Average Diffuse Angle(50%): 174.7°

— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

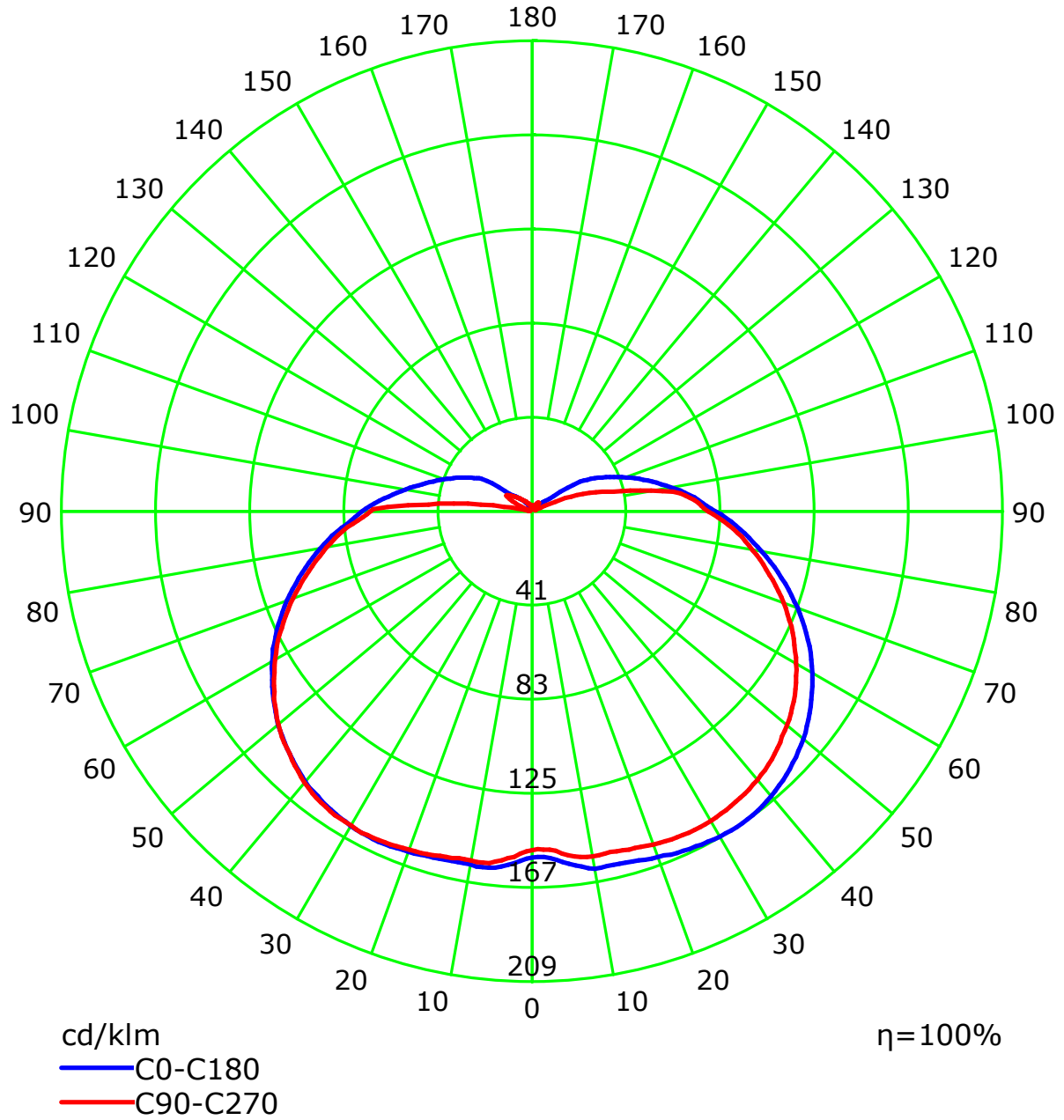
## Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## Luminous Intensity Distribution Curve(cd/klm)



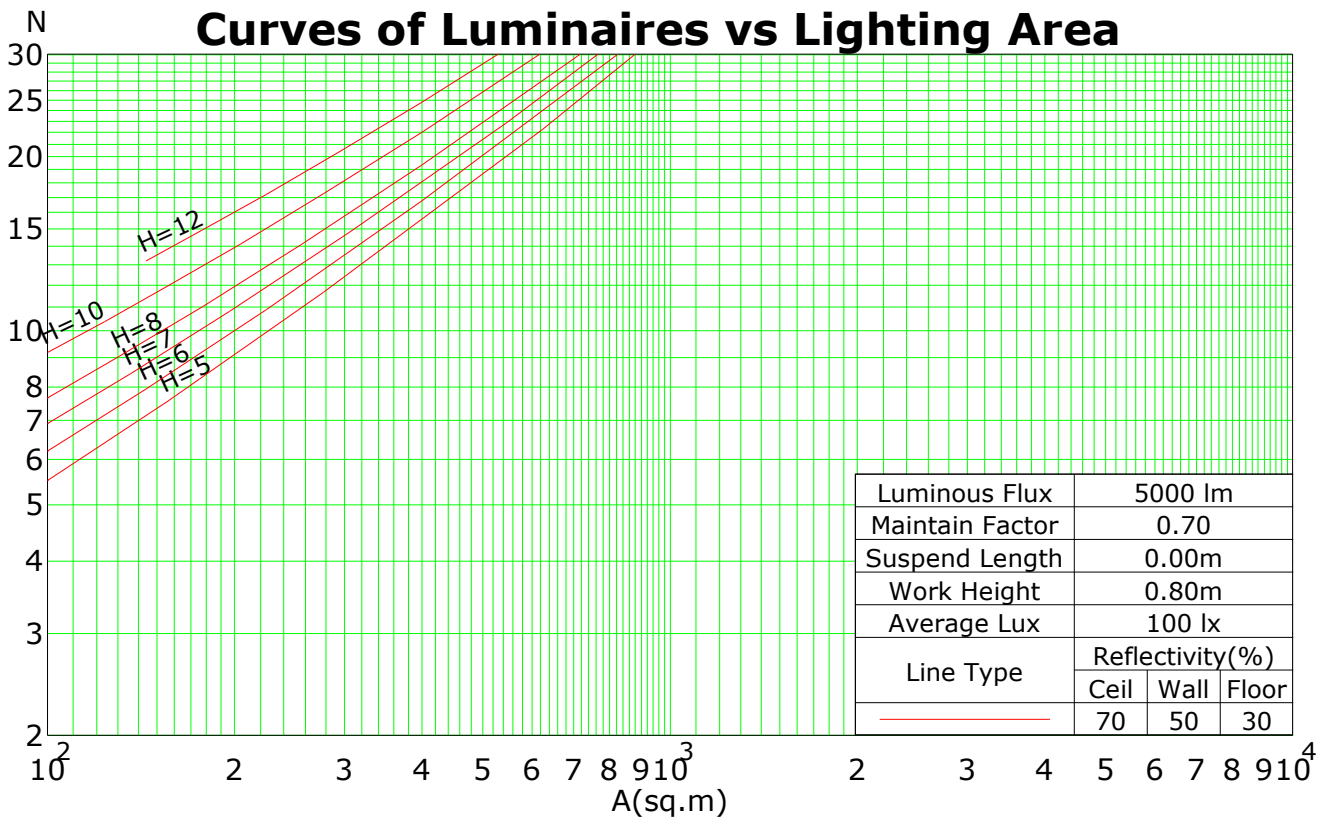
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
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	115	115	115	115	110	110	110	110	101	101	101	93	93	93	86	86	86	82
1	100	94	88	83	96	90	84	79	82	78	74	75	71	68	68	66	63	60
2	89	79	71	64	85	76	68	61	69	63	57	63	58	53	57	53	49	46
3	80	68	58	51	76	65	56	49	59	52	46	54	48	43	49	44	40	37
4	73	59	49	42	69	57	48	40	52	44	38	47	41	35	43	38	33	30
5	67	52	42	35	63	50	41	34	46	38	32	42	35	30	38	33	28	25
6	61	47	37	30	58	45	36	29	41	33	27	38	31	26	34	29	24	21
7	56	42	32	26	54	40	31	25	37	29	24	34	27	22	31	25	21	19
8	52	38	29	23	50	36	28	22	34	26	21	31	24	20	28	23	18	16
9	49	35	26	20	46	33	25	20	31	24	18	28	22	17	26	21	16	14
10	46	32	23	18	43	31	23	17	28	21	17	26	20	16	24	19	15	13

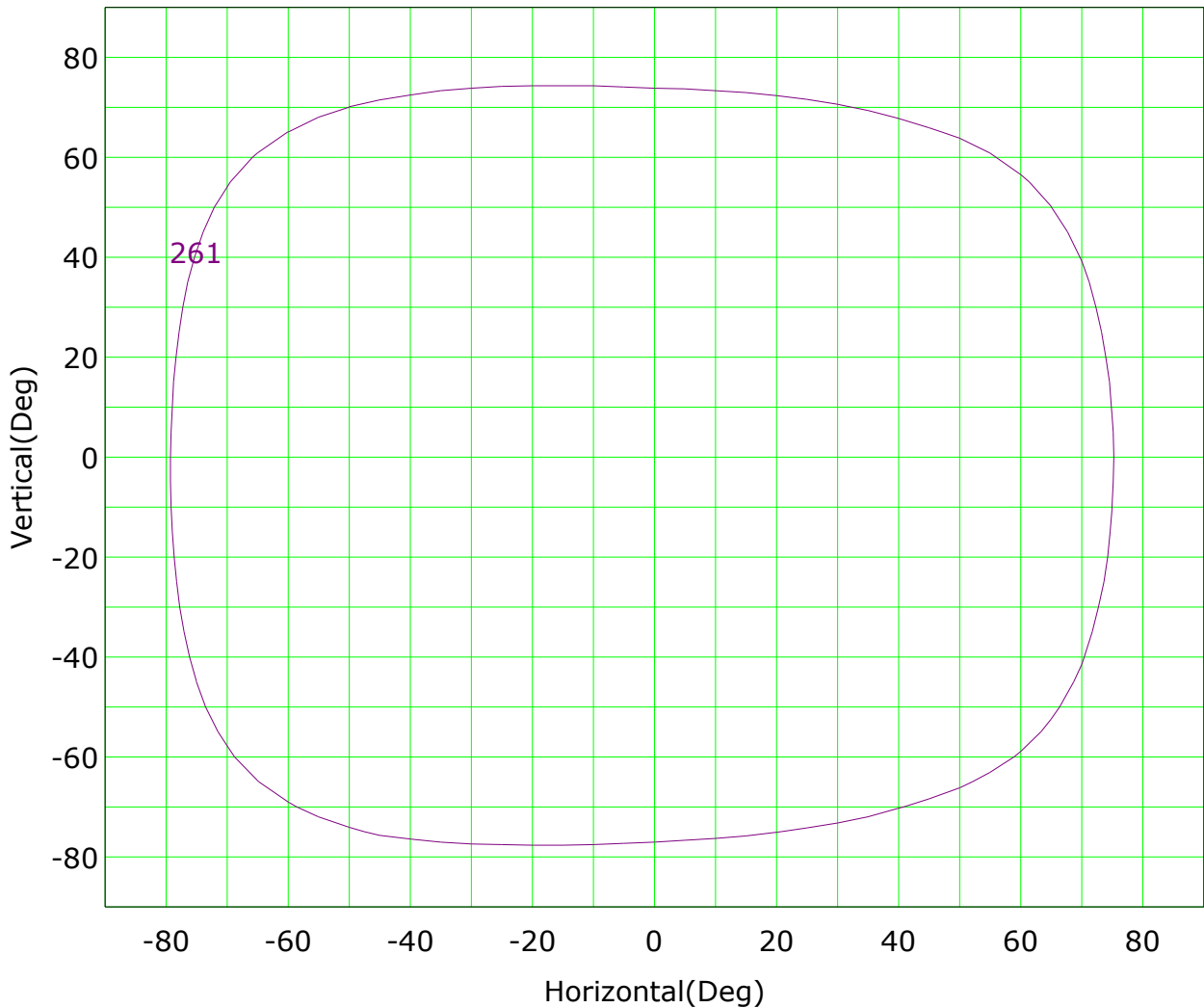
Spacing Criteria (0-180): 1.60  
 Spacing Criteria (90-270): 1.59  
 Spacing Criteria (Diagonal): 1.71



C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Isocandela (rectangle)



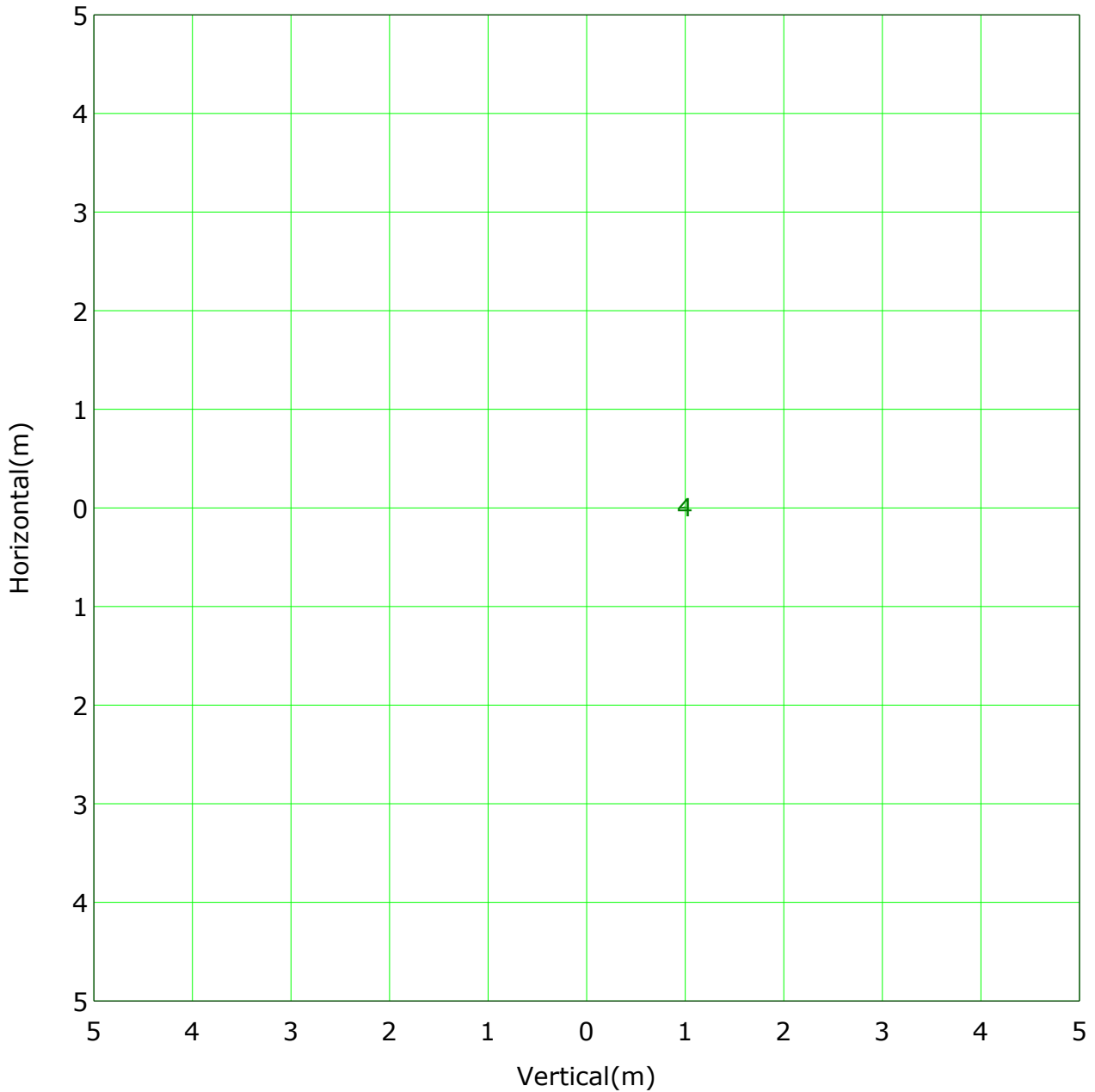
Imax (100%): 414 cd

— ( 10%): 41 cd	— ( 16%): 66 cd
— ( 25%): 104 cd	— ( 40%): 166 cd
— ( 63%): 261 cd	— (100%): 414 cd

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## IsoLux Plot



Mounting Height: 10.0m    Max Lux(100%): 3.9 lx

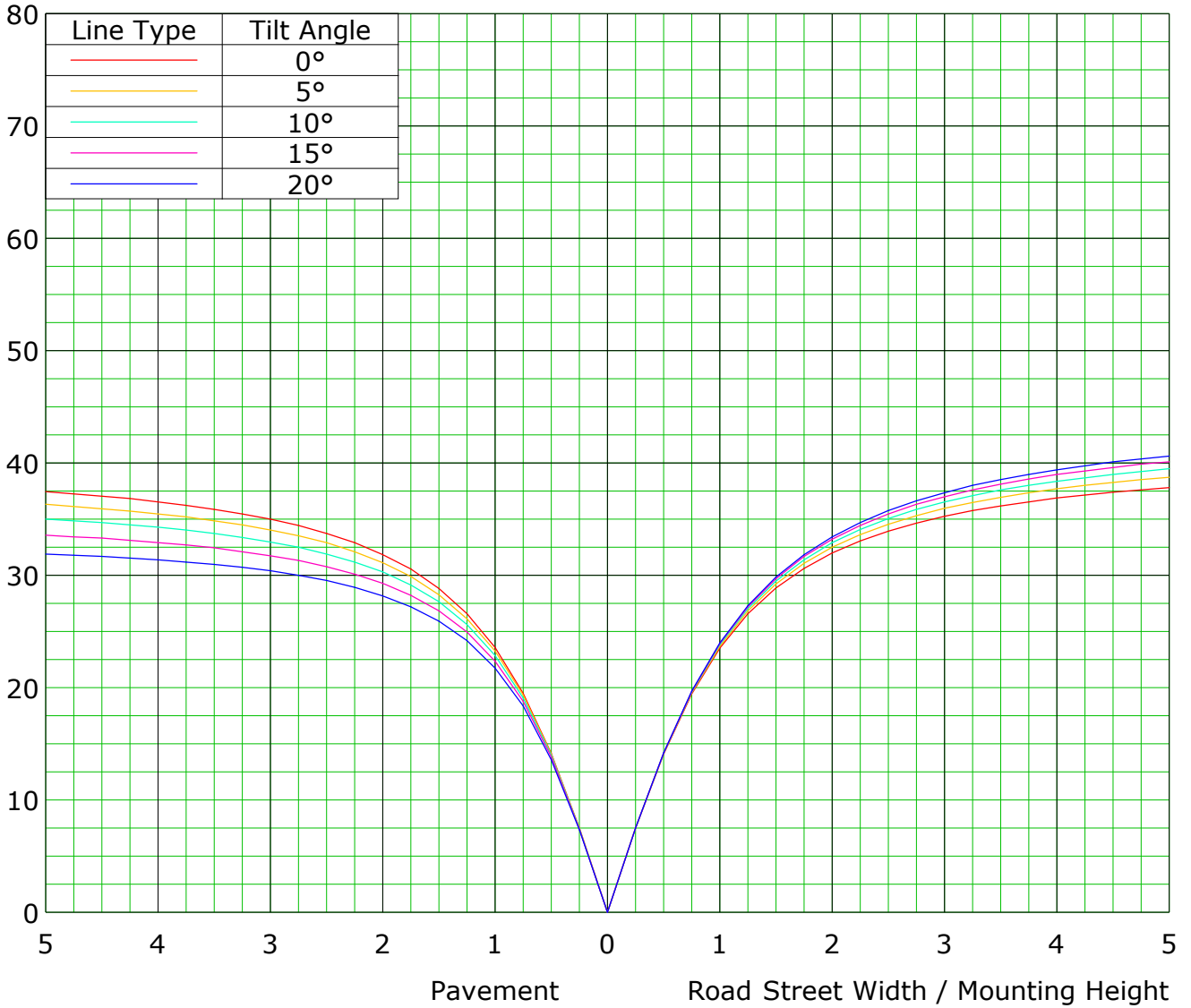
— ( 1%): 0.0 lx	— ( 2%): 0.1 lx
— ( 5%): 0.2 lx	— ( 10%): 0.4 lx
— ( 20%): 0.8 lx	— ( 50%): 1.9 lx
— (100%): 3.9 lx	

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## Roadway CU Curve

Efficiency(%)



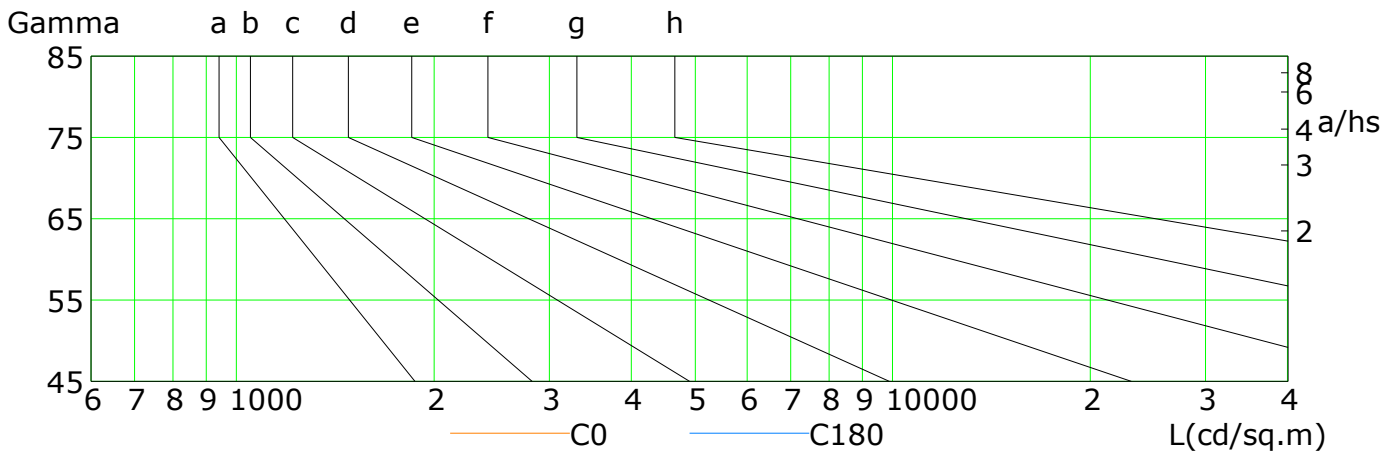
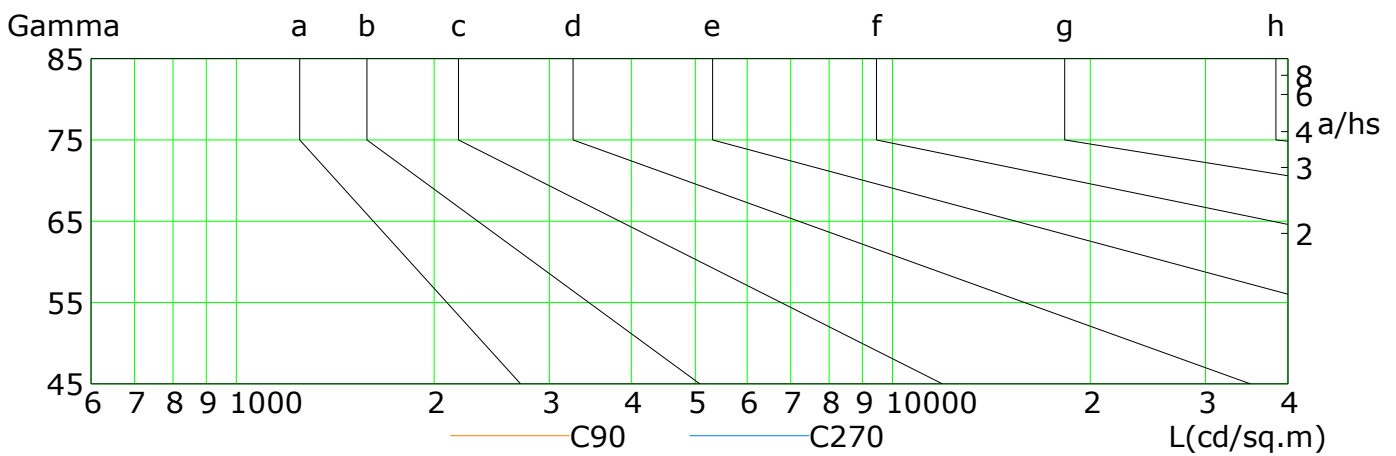
C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
		2000	1000	500	<=300				
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



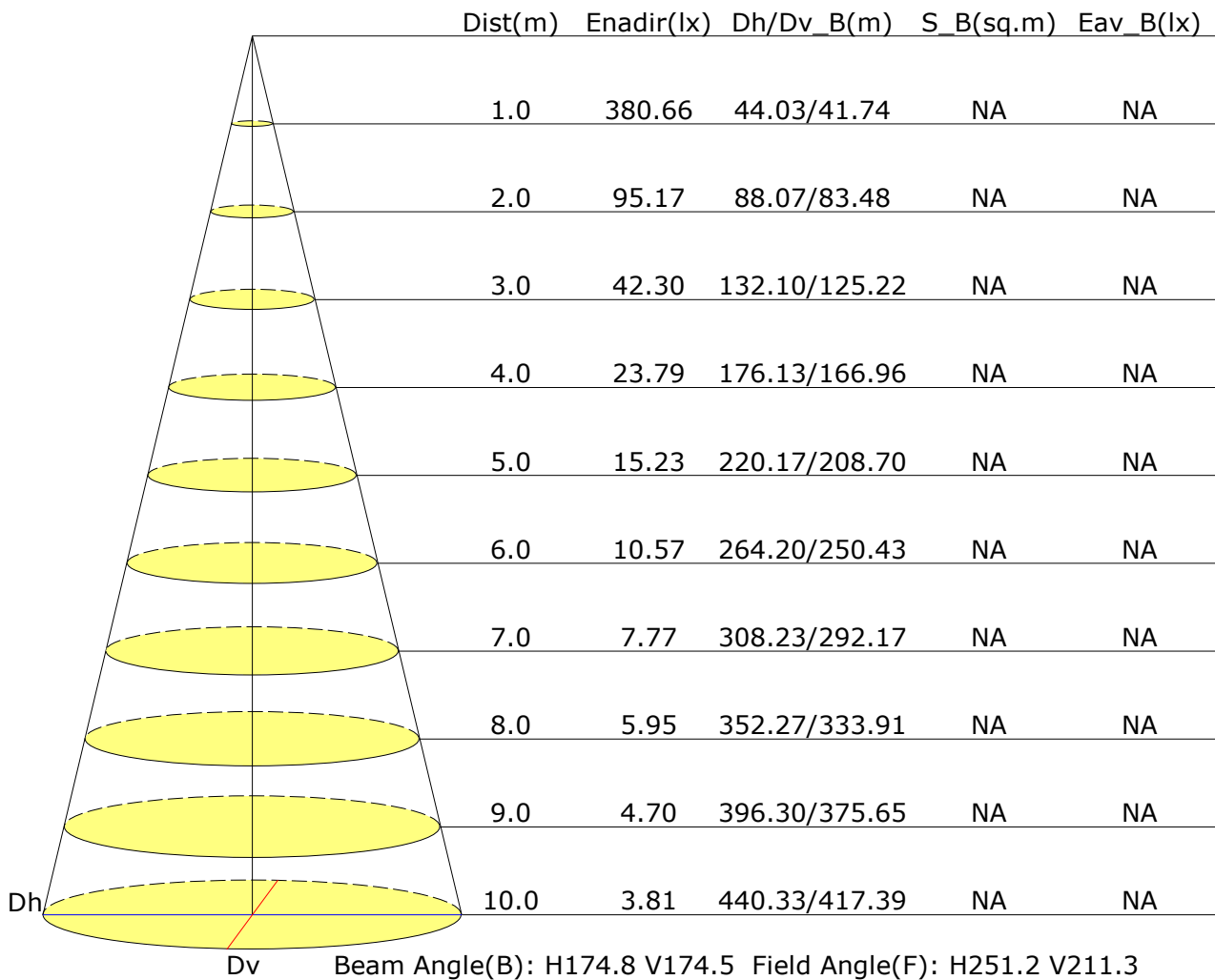
L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	401	390	374	356	335	311	284	257	230
C90	377	366	353	336	317	295	271	247	222
C180	377	365	349	331	310	287	262	237	211
C270	377	365	346	327	304	280	254	230	204

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:



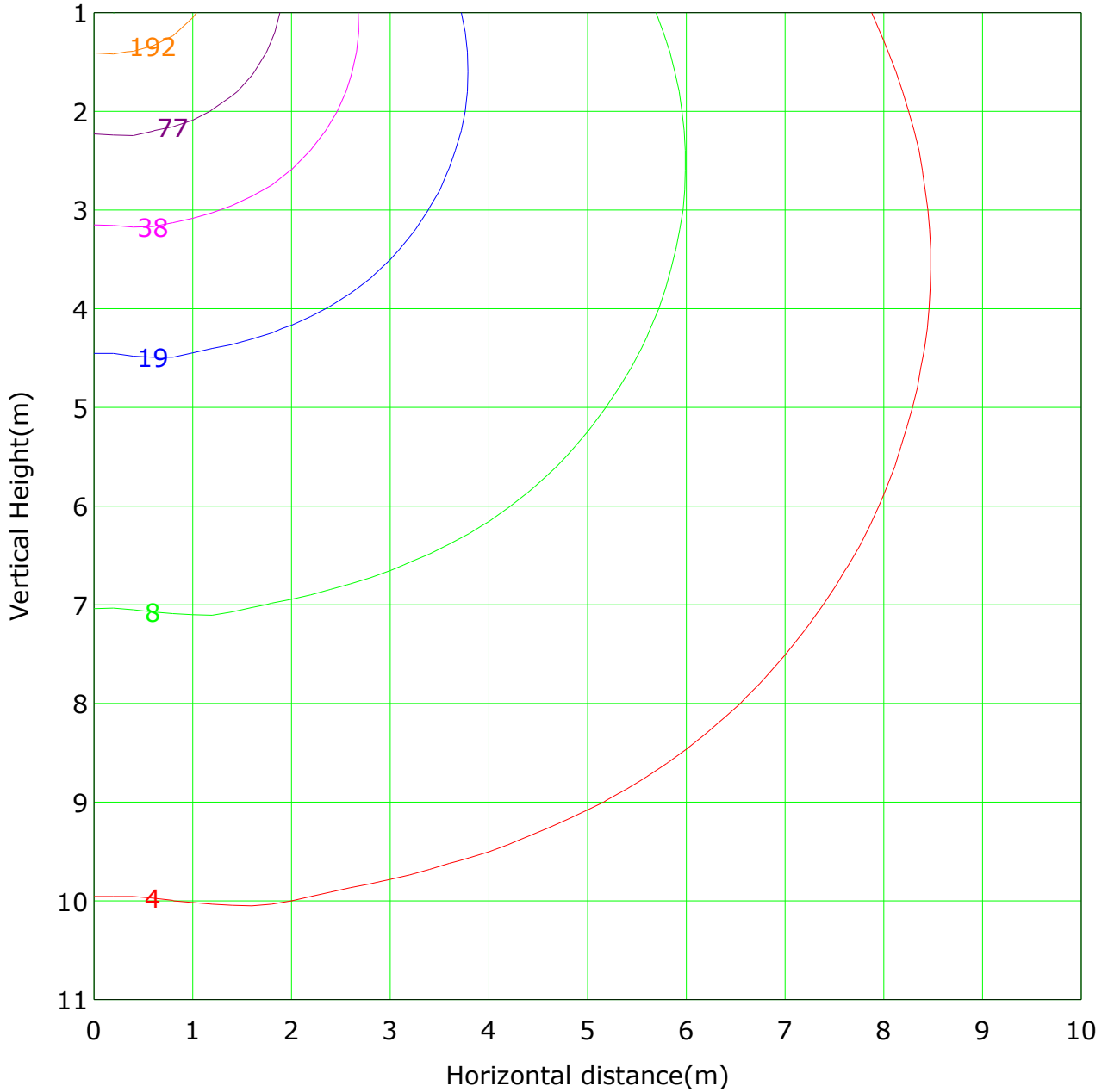
## Illuminance at a Distance



C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## Vertical IsoLux Plot



Lowest(m): 1.0m	Highest(m): 11.0m	Max Lux: 383.9 lx
— ( 1%): 3.8 lx	— ( 2%): 7.7 lx	— ( 10%): 38.4 lx
— ( 5%): 19.2 lx	— ( 20%): 76.8 lx	— ( 50%): 191.9 lx
— ( 100%): 383.9 lx		

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## Area Flux Table

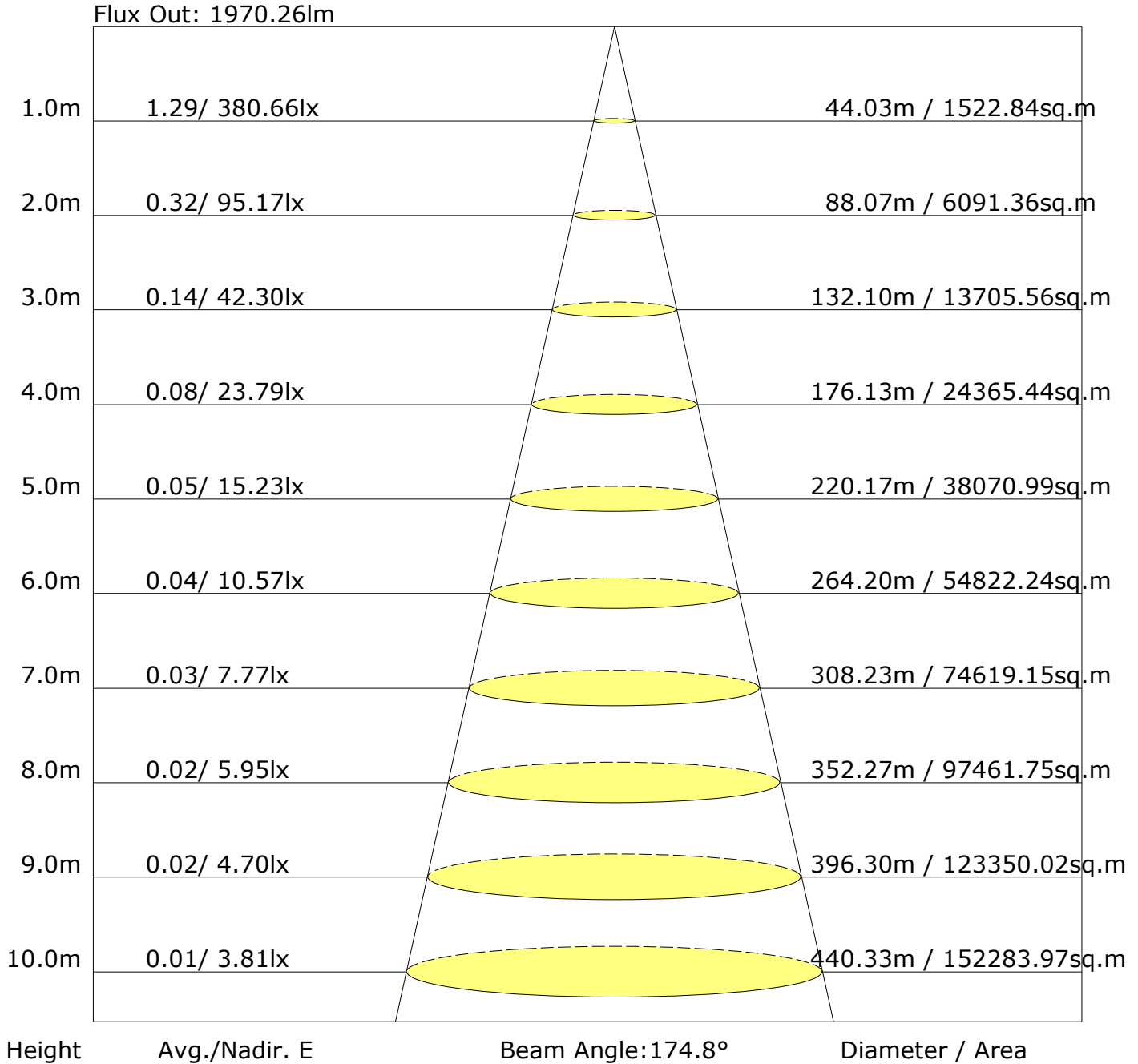
Unit: lm

		Vertical plane																					
		-90	-80	-70	-60	-50	-40	-30	-20	-10	0	10	20	30	40	50	60	70	80	90	Flux(T)	Flux(E)	
Horizontal plane	-90	0.5	1.5	2.5	3.4	4.2	4.9	5.5	5.9	6.2	6.2	6.1	5.8	5.2	4.5	3.6	2.7	1.6	0.5	70.8	70.8	9.9	33.3
	-80	0.5	1.6	2.7	3.9	5.0	5.9	6.8	7.4	7.7	7.8	7.6	7.1	6.3	5.3	4.2	3.0	1.7	0.6	84.9	84.9	33.3	61.1
	-70	0.5	1.7	3.0	4.4	5.7	6.9	8.0	8.8	9.2	9.3	9.0	8.3	7.4	6.1	4.7	3.2	1.8	0.6	98.6	98.6	61.1	90.7
	-60	0.5	1.8	3.3	4.8	6.4	7.8	9.1	10.0	10.5	10.5	10.2	9.4	8.3	6.8	5.2	3.5	1.9	0.6	110.5	110.5	90.7	119.6
	-50	0.6	1.9	3.5	5.2	7.0	8.5	9.9	10.9	11.4	11.4	11.1	10.2	9.0	7.4	5.6	3.8	2.0	0.6	120.0	120.0	119.6	145.3
	-40	0.6	2.0	3.7	5.6	7.4	9.1	10.5	11.5	12.0	12.0	11.7	10.8	9.5	7.9	6.2	4.8	3.1	0.6	126.8	126.8	145.3	165.7
	-30	0.6	2.0	3.8	5.8	7.8	9.5	10.9	11.7	12.1	12.1	11.8	11.1	9.9	8.2	6.2	4.1	2.2	0.6	130.5	130.5	165.7	179.2
	-20	0.6	2.1	3.9	6.0	8.0	9.7	11.0	11.7	11.9	11.9	11.7	11.2	10.1	8.4	6.4	4.2	2.2	0.6	131.7	131.7	179.2	2186.0
	-10	0.6	2.1	4.0	6.1	8.1	9.8	11.0	11.6	11.8	11.8	11.7	11.3	10.2	8.6	6.5	4.3	2.3	0.6	132.3	132.3	2186.0	187.3
	0	0.6	2.1	4.0	6.1	8.1	9.8	11.0	11.6	11.8	11.8	11.7	11.3	10.3	8.6	6.5	4.3	2.3	0.6	131.9	131.9	187.3	183.2
	10	0.6	2.1	3.9	6.0	8.0	9.6	10.8	11.4	11.4	11.7	11.7	11.2	10.2	8.5	6.4	4.3	2.2	0.6	131.0	131.0	183.2	172.3
	20	0.6	2.0	3.8	5.8	7.7	9.4	10.6	11.4	11.9	12.0	11.8	11.2	10.0	8.3	6.3	4.2	2.2	0.6	129.8	129.8	172.3	153.7
	30	0.6	2.0	3.7	5.6	7.4	9.0	10.3	11.3	11.8	12.0	11.8	11.2	10.0	8.0	6.0	4.0	2.1	0.6	126.6	126.6	153.7	128.1
	40	0.6	1.9	3.5	5.3	7.0	8.6	9.9	10.8	11.4	11.5	11.2	10.4	9.2	7.6	5.7	3.8	2.1	0.6	121.0	121.0	128.1	128.1
	50	0.5	1.8	3.3	4.9	6.5	7.9	9.2	10.1	10.6	10.7	10.4	9.7	8.5	7.1	5.4	3.6	2.0	0.6	112.9	112.9	128.1	97.9
	60	0.5	1.7	3.1	4.5	5.9	7.1	8.2	9.1	9.5	9.6	9.3	8.7	7.7	6.4	4.9	3.4	1.9	0.6	102.1	102.1	97.9	66.2
	70	0.5	1.6	2.8	4.0	5.2	6.2	7.1	7.8	8.2	8.2	8.0	7.5	6.7	5.7	4.4	3.1	1.8	0.6	89.4	89.4	66.2	36.2
	80	0.5	1.5	2.5	3.5	4.4	5.2	5.9	6.4	6.7	6.7	6.6	6.2	5.6	4.8	3.9	2.8	1.7	0.5	75.6	75.6	36.2	10.7
90	9.9	33.3	61.1	90.7	119.6	145.3	165.7	179.2	2186.0	187.3	183.2	172.3	153.7	128.1	97.9	66.2	36.2	10.7	2026	2026	10.7	2026	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## The Average Illuminance Effective Figure



C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:

## UGR Table

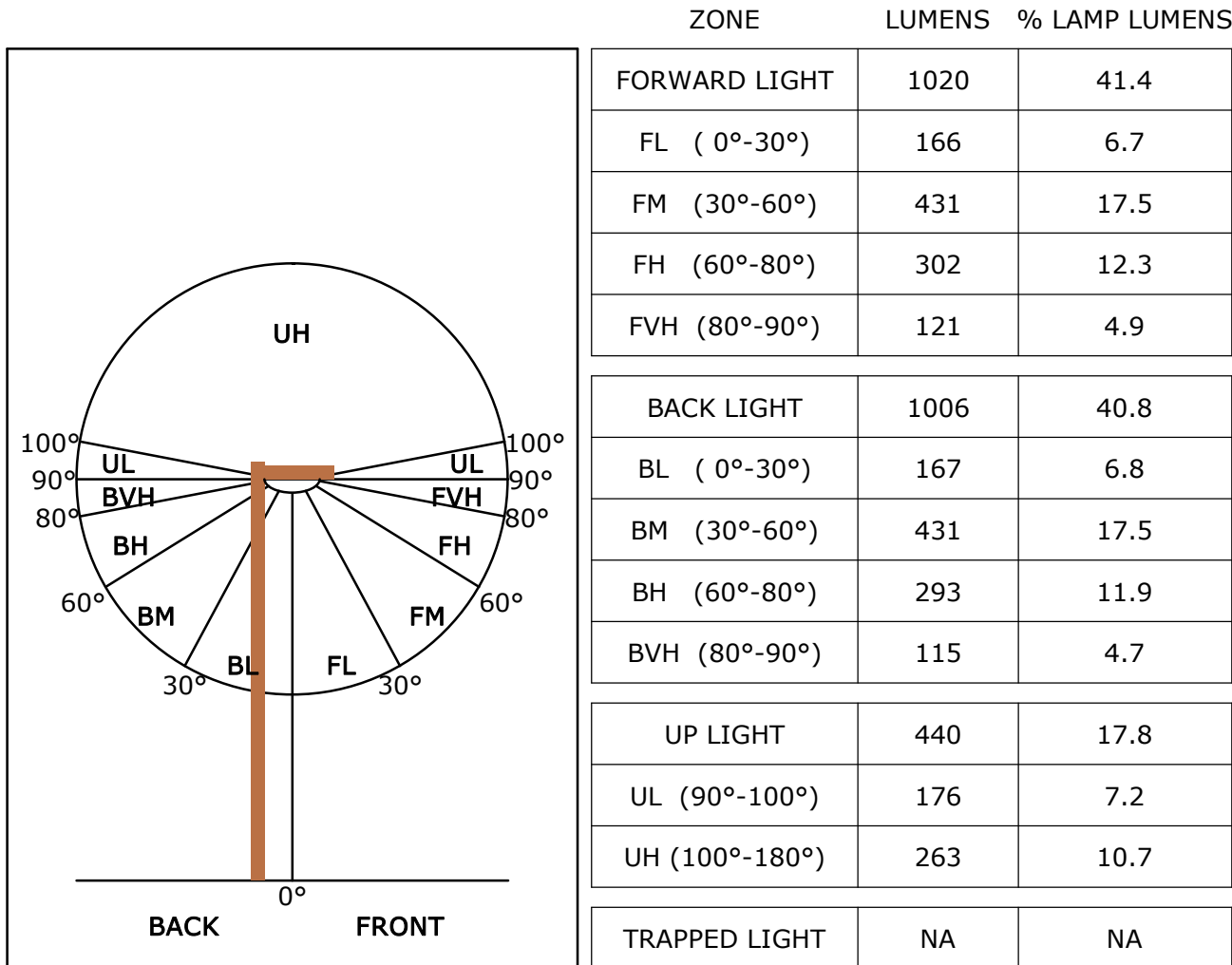
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=4H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
3H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=8H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
12H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
X=12H Y=4H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
6H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
8H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$
Variations with the observer position at spacings:										
S=1.0H										
S=1.5H										
S=2.0H										

Calculate in accordance with CIE Pub.117. The table is revised with 2466lm ( $8\log(F/F_0) = 3.1$ ).

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

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



BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B1 U3 G1
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B1 U3 G1

C Plane (°):0.0-360.0: 45.0  
Test Lab:  
Test Type: TYPE C  
Temperature:  
Operator:

Gamma Plane (°):0.0-180.0:1.0  
Test Device: GPM-1800B  
Distance: 8.512 m  
Humidity:  
Inspector:



## Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 1.75									
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	NA	0.54	0.61	0.66	0.74	0.79	0.82	0.88	0.91	
		0.30	NA	0.46	0.53	0.58	0.66	0.72	0.76	0.82	0.86	
		0.20	NA	0.39	0.46	0.51	0.60	0.66	0.70	0.77	0.82	
0.50	0.50	0.20	NA	0.50	0.56	0.61	0.68	0.72	0.76	0.80	0.83	
		0.30	NA	0.43	0.49	0.54	0.61	0.66	0.70	0.76	0.79	
		0.20	NA	0.38	0.44	0.48	0.56	0.61	0.66	0.72	0.76	
0.30	0.50	0.20	NA	0.46	0.52	0.56	0.62	0.66	0.69	0.74	0.76	
		0.30	NA	0.40	0.46	0.50	0.57	0.61	0.65	0.70	0.73	
		0.20	NA	0.35	0.41	0.46	0.52	0.57	0.61	0.67	0.70	
0.00	0.00	0.00	NA	0.31	0.36	0.40	0.46	0.50	0.54	0.58	0.62	

Rating:20W 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 = 1.75									
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	NA	0.91	0.80	0.72	0.59	0.51	0.45	0.36	0.31	
	0.30		NA	0.78	0.70	0.63	0.54	0.47	0.42	0.34	0.29	
	0.20		NA	0.68	0.62	0.57	0.49	0.43	0.39	0.32	0.28	
0.50	0.50	0.20	NA	0.85	0.75	0.67	0.55	0.50	0.42	0.34	0.29	
	0.30		NA	0.74	0.66	0.60	0.51	0.44	0.39	0.32	0.27	
	0.20		NA	0.65	0.59	0.54	0.47	0.41	0.37	0.31	0.26	
0.30	0.50	0.20	NA	0.79	0.70	0.62	0.52	0.44	0.39	0.32	0.27	
	0.30		NA	0.70	0.62	0.56	0.48	0.42	0.37	0.30	0.26	
	0.20		NA	0.62	0.56	0.52	0.44	0.39	0.35	0.29	0.25	
0.00	0.00	0.00	0.82	0.52	0.46	0.42	0.36	0.32	0.29	0.24	0.21	
<p>Rating:20W Photometrically tested without ceiling board.                      Multiply UF values by service correction factors                      Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>												

## Utilisation Factor Table(Ceiling cavity)

Utilisation Factors UF(C)			SHR NOM = 1.75								
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	NA	0.36	0.36	0.37	0.38	0.38	0.39	0.39	0.39
	0.30		NA	0.28	0.30	0.30	0.32	0.33	0.34	0.35	0.36
	0.20		NA	0.23	0.24	0.25	0.27	0.28	0.30	0.31	0.32
0.50	0.50	0.20	NA	0.34	0.35	0.36	0.36	0.37	0.37	0.38	0.38
	0.30		NA	0.28	0.29	0.30	0.31	0.32	0.33	0.34	0.34
	0.20		NA	0.23	0.24	0.25	0.26	0.28	0.29	0.30	0.31
0.30	0.50	0.20	NA	0.33	0.34	0.34	0.35	0.35	0.36	0.36	0.36
	0.30		NA	0.27	0.28	0.29	0.30	0.31	0.32	0.33	0.33
	0.20		NA	0.22	0.24	0.24	0.26	0.27	0.28	0.29	0.30
0.00	0.00	0.00	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18	0.18
<p>Rating:20W Photometrically tested without ceiling board.                      Multiply UF values by service correction factors                      Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											

## Zonal Lumen

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
0.0-1.0	375.3	0.4	0.4	0.01	0.01
1.0-2.0	376.1	1.1	1.4	0.04	0.06
2.0-3.0	377.8	1.8	3.2	0.07	0.13
3.0-4.0	380.1	2.5	5.8	0.10	0.23
4.0-5.0	382.6	3.3	9.1	0.13	0.37
5.0-6.0	385.0	4.0	13.1	0.16	0.53
6.0-7.0	387.2	4.8	17.9	0.19	0.73
7.0-8.0	388.9	5.6	23.5	0.23	0.95
8.0-9.0	390.1	6.3	29.8	0.26	1.21
9.0-10.0	390.7	7.1	36.9	0.29	1.50
10.0-11.0	390.7	7.8	44.7	0.32	1.81
11.0-12.0	390.6	8.5	53.2	0.35	2.16
12.0-13.0	390.6	9.3	62.5	0.38	2.53
13.0-14.0	390.9	10.0	72.5	0.41	2.94
14.0-15.0	391.4	10.7	83.3	0.44	3.38
15.0-16.0	392.1	11.5	94.8	0.47	3.84
16.0-17.0	392.9	12.2	107.0	0.50	4.34
17.0-18.0	393.8	13.0	120.0	0.53	4.87
18.0-19.0	394.5	13.7	133.7	0.56	5.42
19.0-20.0	395.4	14.5	148.2	0.59	6.01
20.0-21.0	396.2	15.2	163.4	0.62	6.63
21.0-22.0	397.0	16.0	179.4	0.65	7.27
22.0-23.0	397.7	16.7	196.0	0.68	7.95
23.0-24.0	398.4	17.4	213.5	0.71	8.66
24.0-25.0	398.9	18.1	231.6	0.74	9.39
25.0-26.0	399.5	18.9	250.5	0.76	10.16
26.0-27.0	399.9	19.6	270.0	0.79	10.95
27.0-28.0	400.1	20.3	290.3	0.82	11.77
28.0-29.0	400.3	20.9	311.2	0.85	12.62
29.0-30.0	400.3	21.6	332.9	0.88	13.50
30.0-31.0	400.2	22.3	355.1	0.90	14.40
31.0-32.0	399.9	22.9	378.0	0.93	15.33
32.0-33.0	399.5	23.5	401.6	0.95	16.28
33.0-34.0	399.1	24.2	425.7	0.98	17.26
34.0-35.0	398.4	24.7	450.5	1.00	18.27
35.0-36.0	397.6	25.3	475.8	1.03	19.29

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 1)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
36.0-37.0	396.7	25.9	501.7	1.05	20.34
37.0-38.0	395.5	26.4	528.1	1.07	21.41
38.0-39.0	394.2	26.9	555.0	1.09	22.50
39.0-40.0	392.8	27.4	582.4	1.11	23.62
40.0-41.0	391.2	27.9	610.2	1.13	24.74
41.0-42.0	389.2	28.3	638.5	1.15	25.89
42.0-43.0	387.2	28.7	667.2	1.16	27.06
43.0-44.0	385.2	29.1	696.3	1.18	28.23
44.0-45.0	383.0	29.4	725.7	1.19	29.43
45.0-46.0	380.7	29.8	755.5	1.21	30.64
46.0-47.0	378.4	30.1	785.6	1.22	31.86
47.0-48.0	376.0	30.4	816.0	1.23	33.09
48.0-49.0	373.5	30.7	846.7	1.24	34.33
49.0-50.0	371.1	30.9	877.6	1.25	35.59
50.0-51.0	368.4	31.2	908.8	1.26	36.85
51.0-52.0	365.4	31.4	940.2	1.27	38.12
52.0-53.0	362.4	31.5	971.7	1.28	39.40
53.0-54.0	359.2	31.7	1003.4	1.28	40.69
54.0-55.0	355.9	31.8	1035.1	1.29	41.97
55.0-56.0	352.5	31.9	1067.0	1.29	43.27
56.0-57.0	349.0	31.9	1098.9	1.29	44.56
57.0-58.0	345.4	31.9	1130.8	1.30	45.86
58.0-59.0	341.7	32.0	1162.8	1.30	47.15
59.0-60.0	338.1	31.9	1194.7	1.30	48.45
60.0-61.0	334.2	31.9	1226.6	1.29	49.74
61.0-62.0	330.2	31.8	1258.5	1.29	51.03
62.0-63.0	326.2	31.7	1290.2	1.29	52.32
63.0-64.0	322.1	31.6	1321.8	1.28	53.60
64.0-65.0	317.8	31.5	1353.3	1.28	54.87
65.0-66.0	313.4	31.3	1384.5	1.27	56.14
66.0-67.0	309.0	31.1	1415.6	1.26	57.40
67.0-68.0	304.3	30.8	1446.4	1.25	58.65
68.0-69.0	299.7	30.6	1477.0	1.24	59.89
69.0-70.0	295.0	30.3	1507.3	1.23	61.12
70.0-71.0	290.3	30.0	1537.3	1.22	62.34
71.0-72.0	285.3	29.7	1567.0	1.20	63.54

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Zonal Lumen (Continue 2)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
72.0-73.0	280.4	29.3	1596.3	1.19	64.73
73.0-74.0	275.4	29.0	1625.3	1.17	65.90
74.0-75.0	270.3	28.6	1653.8	1.16	67.06
75.0-76.0	265.2	28.2	1682.0	1.14	68.20
76.0-77.0	260.2	27.7	1709.7	1.13	69.33
77.0-78.0	255.1	27.3	1737.0	1.11	70.44
78.0-79.0	250.0	26.9	1763.9	1.09	71.53
79.0-80.0	244.9	26.4	1790.3	1.07	72.60
80.0-81.0	239.9	25.9	1816.3	1.05	73.65
81.0-82.0	234.9	25.5	1841.7	1.03	74.68
82.0-83.0	229.8	25.0	1866.7	1.01	75.69
83.0-84.0	224.6	24.5	1891.2	0.99	76.69
84.0-85.0	219.2	23.9	1915.1	0.97	77.66
85.0-86.0	213.8	23.4	1938.5	0.95	78.60
86.0-87.0	208.3	22.8	1961.3	0.92	79.53
87.0-88.0	202.9	22.2	1983.5	0.90	80.43
88.0-89.0	197.7	21.7	2005.2	0.88	81.31
89.0-90.0	192.9	21.1	2026.3	0.86	82.17
90.0-91.0	188.4	20.7	2047.0	0.84	83.00
91.0-92.0	183.4	20.1	2067.1	0.82	83.82
92.0-93.0	177.3	19.4	2086.5	0.79	84.61
93.0-94.0	170.8	18.7	2105.2	0.76	85.37
94.0-95.0	164.8	18.0	2123.2	0.73	86.10
95.0-96.0	159.0	17.4	2140.6	0.70	86.80
96.0-97.0	152.8	16.7	2157.2	0.68	87.48
97.0-98.0	146.6	15.9	2173.2	0.65	88.12
98.0-99.0	140.2	15.2	2188.4	0.62	88.74
99.0-100.0	133.6	14.4	2202.8	0.59	89.32
100.0-101.0	127.4	13.7	2216.6	0.56	89.88
101.0-102.0	121.9	13.1	2229.7	0.53	90.41
102.0-103.0	116.5	12.5	2242.1	0.51	90.92
103.0-104.0	111.5	11.9	2254.0	0.48	91.40
104.0-105.0	107.1	11.4	2265.4	0.46	91.86
105.0-106.0	103.3	10.9	2276.3	0.44	92.30
106.0-107.0	99.5	10.5	2286.8	0.42	92.73
107.0-108.0	95.7	10.0	2296.8	0.41	93.13

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 3)

Gamma [°]	I <sub>mean</sub> [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
108.0-109.0	92.0	9.6	2306.3	0.39	93.52
109.0-110.0	88.2	9.1	2315.5	0.37	93.89
110.0-111.0	84.6	8.7	2324.2	0.35	94.24
111.0-112.0	81.2	8.3	2332.4	0.34	94.58
112.0-113.0	77.4	7.8	2340.3	0.32	94.90
113.0-114.0	73.6	7.4	2347.7	0.30	95.20
114.0-115.0	70.6	7.0	2354.7	0.29	95.48
115.0-116.0	68.2	6.8	2361.5	0.27	95.76
116.0-117.0	66.1	6.5	2368.0	0.26	96.02
117.0-118.0	64.1	6.2	2374.2	0.25	96.27
118.0-119.0	62.2	6.0	2380.2	0.24	96.52
119.0-120.0	60.3	5.8	2386.0	0.23	96.75
120.0-121.0	58.4	5.5	2391.5	0.22	96.97
121.0-122.0	56.5	5.3	2396.8	0.21	97.19
122.0-123.0	54.2	5.0	2401.8	0.20	97.39
123.0-124.0	51.3	4.7	2406.5	0.19	97.58
124.0-125.0	48.2	4.4	2410.8	0.18	97.76
125.0-126.0	44.9	4.0	2414.8	0.16	97.92
126.0-127.0	41.6	3.7	2418.5	0.15	98.07
127.0-128.0	38.8	3.4	2421.9	0.14	98.21
128.0-129.0	36.6	3.1	2425.0	0.13	98.33
129.0-130.0	34.8	2.9	2427.9	0.12	98.45
130.0-131.0	33.3	2.8	2430.7	0.11	98.57
131.0-132.0	31.8	2.6	2433.3	0.11	98.67
132.0-133.0	30.5	2.5	2435.8	0.10	98.77
133.0-134.0	29.1	2.3	2438.1	0.09	98.86
134.0-135.0	27.8	2.2	2440.3	0.09	98.95
135.0-136.0	26.4	2.0	2442.3	0.08	99.04
136.0-137.0	25.1	1.9	2444.2	0.08	99.11
137.0-138.0	23.9	1.8	2446.0	0.07	99.18
138.0-139.0	22.8	1.7	2447.6	0.07	99.25
139.0-140.0	21.7	1.5	2449.2	0.06	99.31
140.0-141.0	20.7	1.4	2450.6	0.06	99.37
141.0-142.0	19.6	1.3	2452.0	0.05	99.43
142.0-143.0	18.6	1.2	2453.2	0.05	99.48
143.0-144.0	17.6	1.1	2454.4	0.05	99.52

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

### Zonal Lumen (Continue 4)

Gamma [°]	Imean [cd]	Zonal Flux [lm]	Sum Zonal Flux [lm]	Rel Zonal Flux [%]	Sum Rel Zonal Flux [%]
144.0-145.0	16.6	1.1	2455.4	0.04	99.57
145.0-146.0	15.7	1.0	2456.4	0.04	99.61
146.0-147.0	14.8	0.9	2457.3	0.04	99.64
147.0-148.0	14.0	0.8	2458.1	0.03	99.68
148.0-149.0	13.2	0.8	2458.9	0.03	99.71
149.0-150.0	12.4	0.7	2459.6	0.03	99.73
150.0-151.0	11.6	0.6	2460.2	0.03	99.76
151.0-152.0	10.9	0.6	2460.8	0.02	99.78
152.0-153.0	10.4	0.5	2461.3	0.02	99.80
153.0-154.0	9.9	0.5	2461.8	0.02	99.82
154.0-155.0	9.4	0.4	2462.2	0.02	99.84
155.0-156.0	9.0	0.4	2462.6	0.02	99.86
156.0-157.0	8.7	0.4	2463.0	0.02	99.87
157.0-158.0	8.3	0.3	2463.4	0.01	99.89
158.0-159.0	8.0	0.3	2463.7	0.01	99.90
159.0-160.0	7.7	0.3	2464.0	0.01	99.91
160.0-161.0	7.4	0.3	2464.2	0.01	99.92
161.0-162.0	7.1	0.2	2464.5	0.01	99.93
162.0-163.0	6.9	0.2	2464.7	0.01	99.94
163.0-164.0	6.6	0.2	2464.9	0.01	99.95
164.0-165.0	6.4	0.2	2465.1	0.01	99.96
165.0-166.0	6.1	0.2	2465.3	0.01	99.97
166.0-167.0	5.7	0.1	2465.4	0.01	99.97
167.0-168.0	5.4	0.1	2465.5	0.01	99.98
168.0-169.0	5.1	0.1	2465.7	0.00	99.98
169.0-170.0	4.8	0.1	2465.8	0.00	99.99
170.0-171.0	4.5	0.1	2465.8	0.00	99.99
171.0-172.0	4.2	0.1	2465.9	0.00	99.99
172.0-173.0	3.8	0.1	2466.0	0.00	99.99
173.0-174.0	3.4	0.0	2466.0	0.00	100.00
174.0-175.0	3.3	0.0	2466.0	0.00	100.00
175.0-176.0	3.2	0.0	2466.1	0.00	100.00
176.0-177.0	3.2	0.0	2466.1	0.00	100.00
177.0-178.0	3.2	0.0	2466.1	0.00	100.00
178.0-179.0	3.2	0.0	2466.1	0.00	100.00
179.0-180.0	3.2	0.0	2466.1	0.00	100.00

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Candlepower Table

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G0.0	380.7	376.9	372.7	370.0	380.7	376.9	372.7	370.0	380.7	
G1.0	380.6	375.6	372.0	369.6	382.1	378.9	374.1	371.0	380.6	
G2.0	380.5	375.6	372.4	370.2	384.8	381.6	377.0	372.0	380.5	
G3.0	382.2	376.3	372.6	372.5	387.5	384.5	380.5	375.0	382.2	
G4.0	384.4	378.0	374.6	375.1	390.1	387.1	382.8	378.3	384.4	
G5.0	387.6	380.5	377.8	377.2	392.0	389.3	385.3	381.0	387.6	
G6.0	389.9	383.2	380.3	379.5	394.0	391.4	387.5	383.9	389.9	
G7.0	392.6	385.4	382.2	381.3	395.1	393.0	389.8	386.0	392.6	
G8.0	394.9	388.3	384.1	382.8	395.2	393.3	390.4	388.0	394.9	
G9.0	397.6	390.4	385.1	383.0	395.5	392.6	390.6	389.5	397.6	
G10.0	399.2	391.8	385.4	382.1	394.4	392.3	390.3	390.7	399.2	
G11.0	399.2	392.5	385.4	381.3	394.1	391.9	389.9	390.5	399.2	
G12.0	399.2	392.8	385.2	381.3	394.3	391.9	390.3	389.5	399.2	
G13.0	399.3	392.6	384.7	381.4	394.5	391.8	391.5	389.7	399.3	
G14.0	399.3	392.4	385.7	381.8	394.9	392.5	391.9	390.2	399.3	
G15.0	399.9	393.2	386.2	382.4	395.8	393.0	392.6	390.8	399.9	
G16.0	401.0	393.4	387.0	382.8	396.2	393.8	393.6	392.0	401.0	
G17.0	401.9	394.7	387.5	384.1	396.6	394.6	394.6	393.3	401.9	
G18.0	403.1	395.0	388.3	384.5	397.3	395.1	395.3	394.4	403.1	
G19.0	403.9	396.2	389.1	385.0	398.2	395.6	395.9	395.4	403.9	
G20.0	404.7	397.4	390.3	385.9	398.6	396.7	396.3	396.9	404.7	
G21.0	405.7	398.9	391.1	386.7	398.9	397.2	396.7	397.9	405.7	
G22.0	407.3	400.0	391.5	387.1	399.6	397.6	397.4	398.4	407.3	
G23.0	408.3	400.7	392.1	387.4	400.1	397.9	398.5	399.6	408.3	
G24.0	409.0	401.4	392.5	387.5	400.6	398.7	398.7	400.6	409.0	
G25.0	409.9	402.2	392.9	388.1	401.0	399.0	399.1	401.6	409.9	
G26.0	410.3	403.3	393.3	388.3	401.0	399.2	399.9	402.5	410.3	
G27.0	411.6	403.9	393.3	388.3	400.6	399.3	400.0	403.1	411.6	
G28.0	411.8	404.6	393.6	388.3	400.4	399.4	400.3	403.3	411.8	
G29.0	412.7	405.0	393.8	388.3	400.3	398.8	399.9	403.9	412.7	
G30.0	413.4	405.4	393.1	387.8	399.4	398.8	399.2	404.8	413.4	
G31.0	413.5	406.0	392.8	387.4	398.4	398.3	399.1	405.2	413.5	
G32.0	414.1	405.7	392.5	386.1	398.0	397.4	398.8	405.0	414.1	
G33.0	413.9	406.0	392.0	385.6	397.1	396.5	398.5	404.9	413.9	
G34.0	413.8	406.1	391.2	384.9	396.2	395.8	398.0	404.8	413.8	
G35.0	413.3	405.9	390.4	384.0	395.2	394.5	396.6	404.0	413.3	
G36.0	413.3	405.5	389.4	382.8	394.2	393.5	395.9	403.7	413.3	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:



## Candlepower Table (Continue 1)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G37.0	412.3	404.9	389.0	381.5	392.3	392.0	394.7	402.5	412.3	
G38.0	411.5	403.6	388.2	380.7	391.3	389.9	393.4	400.6	411.5	
G39.0	410.6	402.4	386.8	379.2	390.2	388.0	391.3	399.1	410.6	
G40.0	409.3	401.0	385.9	378.2	388.6	386.2	389.6	397.6	409.3	
G41.0	408.1	399.4	384.3	376.6	386.3	383.9	387.6	396.0	408.1	
G42.0	406.1	397.7	383.1	374.6	384.4	381.0	385.1	393.8	406.1	
G43.0	404.6	396.4	381.2	373.1	382.0	378.2	383.0	391.6	404.6	
G44.0	402.7	394.9	379.4	371.4	379.6	375.7	380.6	389.3	402.7	
G45.0	401.1	392.8	377.3	368.9	377.3	373.0	377.4	386.8	401.1	
G46.0	398.8	390.4	375.1	366.3	375.6	370.4	375.6	384.7	398.8	
G47.0	396.7	388.1	373.2	364.0	372.7	367.9	373.0	382.7	396.7	
G48.0	394.2	385.9	370.3	361.9	370.3	364.7	370.6	379.6	394.2	
G49.0	391.9	383.9	368.1	359.5	368.0	361.6	367.7	377.6	391.9	
G50.0	389.6	381.8	366.2	357.2	365.1	358.9	364.9	375.2	389.6	
G51.0	387.1	379.2	364.0	354.3	361.7	355.4	361.5	372.8	387.1	
G52.0	383.8	377.0	361.4	351.6	358.5	351.6	357.9	369.3	383.8	
G53.0	380.8	374.6	358.6	348.8	355.1	348.2	354.6	366.2	380.8	
G54.0	377.6	371.5	356.0	345.7	351.9	344.6	351.0	362.5	377.6	
G55.0	374.4	368.8	353.0	342.0	348.7	340.8	346.5	359.3	374.4	
G56.0	370.6	365.7	349.9	338.8	345.4	337.4	342.6	356.0	370.6	
G57.0	367.0	362.5	346.2	335.8	341.3	334.0	338.6	352.4	367.0	
G58.0	363.4	359.0	342.7	332.7	337.7	329.9	334.6	348.6	363.4	
G59.0	359.7	354.9	339.3	329.5	334.4	326.2	330.6	344.7	359.7	
G60.0	356.1	351.5	335.7	325.8	330.7	322.3	326.6	341.0	356.1	
G61.0	351.6	348.1	331.7	322.0	326.6	318.2	322.1	337.1	351.6	
G62.0	347.8	344.5	327.5	318.4	323.0	313.8	318.2	333.0	347.8	
G63.0	343.8	340.5	323.9	314.4	318.5	309.5	313.9	329.0	343.8	
G64.0	339.4	336.4	320.2	310.1	314.3	305.1	309.6	324.5	339.4	
G65.0	334.6	332.3	316.6	306.1	310.0	300.4	304.3	320.3	334.6	
G66.0	330.3	328.4	312.4	301.8	305.8	295.8	299.6	315.9	330.3	
G67.0	325.5	324.4	307.7	297.5	300.8	291.1	294.9	311.5	325.5	
G68.0	320.8	319.6	303.5	293.2	296.3	286.0	290.1	306.5	320.8	
G69.0	315.9	315.4	299.2	288.8	291.8	281.2	284.9	301.9	315.9	
G70.0	310.8	311.1	294.8	283.8	287.3	276.2	280.2	297.2	310.8	
G71.0	305.3	306.8	290.2	279.7	282.1	271.4	274.8	292.3	305.3	
G72.0	300.3	301.9	285.1	274.9	277.3	266.2	269.8	286.9	300.3	
G73.0	295.4	297.2	280.5	270.3	271.9	261.3	264.8	282.0	295.4	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 2)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G74.0	290.1	292.3	275.4	265.2	267.2	256.2	259.8	276.5	290.1	
G75.0	284.3	286.9	270.8	260.3	262.3	251.3	254.3	271.2	284.3	
G76.0	278.9	282.1	265.7	255.6	257.4	246.4	249.3	266.0	278.9	
G77.0	273.6	277.1	261.1	251.0	252.0	241.8	244.5	260.8	273.6	
G78.0	267.9	271.3	256.1	246.1	247.0	236.9	239.5	254.8	267.9	
G79.0	262.4	266.2	251.4	241.5	242.2	231.7	234.6	249.6	262.4	
G80.0	256.6	260.9	246.7	236.4	237.2	227.2	229.9	244.3	256.6	
G81.0	251.4	255.6	242.1	232.0	232.1	222.4	224.7	238.9	251.4	
G82.0	245.9	250.1	237.1	227.4	227.2	217.7	220.0	233.4	245.9	
G83.0	240.8	244.7	232.4	222.5	222.1	212.4	215.0	228.1	240.8	
G84.0	235.2	239.2	227.4	217.8	216.1	207.1	209.9	222.5	235.2	
G85.0	230.1	233.9	222.2	212.5	210.7	201.4	204.2	217.0	230.1	
G86.0	224.6	228.7	216.7	207.4	205.0	196.2	198.1	211.9	224.6	
G87.0	219.2	223.4	210.8	202.1	199.5	191.3	192.2	206.3	219.2	
G88.0	213.7	217.5	204.9	196.5	195.1	186.9	186.7	200.5	213.7	
G89.0	208.0	211.7	199.3	191.8	191.2	183.0	181.9	194.6	208.0	
G90.0	201.8	206.1	193.8	188.1	187.2	179.3	178.5	189.4	201.8	
G91.0	196.6	200.4	189.7	184.5	183.1	175.3	175.2	185.1	196.6	
G92.0	191.8	195.5	186.5	180.4	178.4	171.0	159.0	181.3	191.8	
G93.0	187.8	191.5	183.2	176.4	173.9	166.4	136.7	177.0	187.8	
G94.0	183.8	187.4	179.2	171.6	168.9	161.9	114.6	172.6	183.8	
G95.0	179.3	183.1	174.4	167.4	164.1	157.5	103.8	167.6	179.3	
G96.0	174.5	178.3	169.7	163.0	159.5	152.8	87.1	162.7	174.5	
G97.0	169.6	172.9	164.4	158.5	154.8	148.5	71.3	157.6	169.6	
G98.0	164.9	167.9	156.7	153.6	150.4	144.2	57.6	152.7	164.9	
G99.0	159.9	162.8	145.3	149.3	145.7	139.9	43.8	148.2	159.9	
G100.0	154.6	157.8	133.3	145.0	141.5	135.5	31.7	143.3	154.6	
G101.0	150.0	153.0	121.3	140.8	137.3	131.7	23.3	138.8	150.0	
G102.0	145.4	148.2	110.8	136.5	133.2	127.9	16.8	134.7	145.4	
G103.0	140.6	143.8	100.9	132.4	129.1	123.9	9.5	130.5	140.6	
G104.0	136.3	139.1	92.1	128.4	125.2	120.0	4.9	126.5	136.3	
G105.0	132.1	134.9	85.8	124.6	121.4	116.1	3.8	122.6	132.1	
G106.0	127.5	130.7	80.5	120.6	117.5	112.2	3.6	118.7	127.5	
G107.0	123.2	126.4	73.6	116.8	114.0	108.3	3.7	114.6	123.2	
G108.0	118.8	122.2	66.5	113.0	110.5	104.8	3.7	111.0	118.8	
G109.0	114.5	117.5	59.6	109.3	107.2	101.5	3.7	107.4	114.5	
G110.0	110.2	113.0	52.6	105.6	103.7	98.1	3.8	103.6	110.2	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

### Candlepower Table (Continue 3)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G111.0	106.0	108.9	46.3	102.2	100.5	95.0	3.9	100.1	106.0	
G112.0	101.9	104.6	40.0	99.0	97.5	92.0	4.2	96.4	101.9	
G113.0	98.0	100.7	27.7	95.6	94.4	88.9	5.1	93.1	98.0	
G114.0	93.9	96.8	15.6	92.4	91.6	86.2	8.3	89.7	93.9	
G115.0	90.1	92.9	9.8	89.3	88.6	83.5	13.9	86.5	90.1	
G116.0	85.9	89.3	7.5	86.4	85.7	81.0	18.1	83.4	85.9	
G117.0	82.0	86.0	6.2	83.8	82.8	78.4	21.0	80.4	82.0	
G118.0	78.2	82.5	5.3	81.2	79.7	76.1	25.0	77.4	78.2	
G119.0	74.3	79.1	4.6	78.3	76.8	73.8	28.5	74.3	74.3	
G120.0	70.5	75.7	4.2	75.9	74.0	71.9	31.3	71.2	70.5	
G121.0	66.9	72.4	4.0	73.5	71.6	69.9	33.2	68.4	66.9	
G122.0	62.5	69.2	4.0	71.4	69.4	67.7	33.7	65.8	62.5	
G123.0	54.3	66.3	4.0	69.3	66.9	65.6	33.3	63.2	54.3	
G124.0	47.4	63.6	3.9	67.2	59.9	63.2	32.2	60.9	47.4	
G125.0	38.2	61.0	4.0	64.9	54.1	60.7	31.2	58.8	38.2	
G126.0	29.5	58.6	3.9	62.5	45.5	58.3	30.1	56.7	29.5	
G127.0	23.4	56.2	3.9	60.1	37.9	55.9	29.0	54.4	23.4	
G128.0	19.5	54.0	3.9	57.5	31.9	53.4	28.0	52.1	19.5	
G129.0	17.8	51.7	3.9	54.8	28.9	51.2	26.9	49.7	17.8	
G130.0	16.5	49.4	3.9	52.1	27.4	49.3	26.0	47.5	16.5	
G131.0	15.5	47.2	3.9	49.6	26.2	47.4	25.0	45.5	15.5	
G132.0	14.5	44.8	3.9	47.4	25.1	45.8	24.1	43.6	14.5	
G133.0	13.5	42.4	3.9	45.3	23.9	44.1	23.2	42.0	13.5	
G134.0	12.5	40.3	3.9	43.2	22.8	42.2	22.3	40.3	12.5	
G135.0	11.6	38.2	3.9	41.4	21.7	40.3	21.5	38.3	11.6	
G136.0	10.7	36.2	4.3	39.2	20.5	38.3	20.5	36.3	10.7	
G137.0	9.9	34.0	5.1	37.0	19.5	36.5	19.7	34.3	9.9	
G138.0	9.2	31.7	6.5	34.8	18.3	34.9	18.9	32.4	9.2	
G139.0	8.6	29.4	8.1	33.0	17.3	33.4	17.8	30.5	8.6	
G140.0	8.1	27.1	9.6	31.0	16.3	31.9	16.9	28.6	8.1	
G141.0	7.7	25.0	11.0	29.4	15.4	30.3	16.0	26.7	7.7	
G142.0	7.4	23.0	11.6	27.6	14.5	28.5	15.4	24.8	7.4	
G143.0	7.1	21.4	11.8	25.8	13.6	26.6	14.8	23.4	7.1	
G144.0	6.9	20.0	11.9	23.8	12.8	24.7	14.4	22.0	6.9	
G145.0	6.8	18.7	12.2	21.8	12.1	23.2	14.0	20.7	6.8	
G146.0	6.6	17.5	12.0	20.0	11.4	21.8	13.5	19.5	6.6	
G147.0	6.4	16.2	11.8	18.4	10.6	20.6	12.8	18.5	6.4	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector:

## Candlepower Table (Continue 4)

Unit: cd

G\C	C0.0	C45.0	C90.0	C135.0	C180.0	C225.0	C270.0	C315.0	C360.0	
G148.0	6.1	15.1	11.4	17.0	9.8	19.4	12.2	17.6	6.1	
G149.0	5.9	14.0	11.0	15.7	9.1	18.3	11.6	16.6	5.9	
G150.0	5.6	13.0	10.4	14.7	8.5	17.2	11.2	15.3	5.6	
G151.0	5.2	12.0	9.8	13.6	8.1	16.2	10.8	14.2	5.2	
G152.0	5.0	11.2	9.3	12.8	7.7	15.3	10.4	13.2	5.0	
G153.0	4.9	10.4	8.9	12.2	7.4	14.6	10.0	12.4	4.9	
G154.0	4.8	9.9	8.5	11.4	7.2	13.8	9.7	11.7	4.8	
G155.0	4.7	9.3	8.1	10.8	6.9	13.3	9.3	11.1	4.7	
G156.0	4.5	8.9	7.8	10.4	6.7	12.7	9.0	10.7	4.5	
G157.0	4.4	8.5	7.6	9.9	6.5	12.1	8.7	10.1	4.4	
G158.0	4.3	8.1	7.4	9.5	6.3	11.4	8.5	9.6	4.3	
G159.0	4.3	7.8	7.1	9.1	6.0	10.8	8.3	9.1	4.3	
G160.0	4.2	7.4	7.0	8.7	5.8	10.4	8.2	8.6	4.2	
G161.0	4.1	6.9	6.8	8.3	5.5	10.1	8.0	8.3	4.1	
G162.0	4.0	6.6	6.7	7.7	5.2	9.8	7.8	8.0	4.0	
G163.0	3.9	6.3	6.6	7.4	4.9	9.5	7.7	7.9	3.9	
G164.0	3.8	6.1	6.4	7.0	4.7	9.0	7.5	7.7	3.8	
G165.0	3.7	6.0	6.1	6.7	4.3	8.5	7.3	7.5	3.7	
G166.0	3.6	5.7	5.8	6.1	4.1	8.1	6.9	7.3	3.6	
G167.0	3.6	5.5	5.3	4.9	3.9	7.5	6.5	6.9	3.6	
G168.0	3.4	5.3	5.2	4.5	3.7	6.9	6.1	6.5	3.4	
G169.0	3.3	5.2	5.2	4.8	3.5	6.3	5.6	6.1	3.3	
G170.0	3.3	5.1	4.8	4.4	3.3	5.6	5.0	5.7	3.3	
G171.0	3.2	5.1	4.3	3.7	3.3	4.9	4.3	6.0	3.2	
G172.0	3.2	4.8	3.7	3.6	3.3	4.2	3.7	5.5	3.2	
G173.0	3.3	3.9	3.4	3.3	3.3	3.6	3.4	4.4	3.3	
G174.0	3.2	3.7	3.2	3.3	3.2	3.3	3.2	3.6	3.2	
G175.0	3.2	3.4	3.2	3.2	3.3	3.2	3.2	3.3	3.2	
G176.0	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	
G177.0	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	
G178.0	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	
G179.0	3.2	3.2	3.2	3.1	3.3	3.2	3.2	3.2	3.2	
G180.0	3.2	3.2	3.2	3.2	3.3	3.2	3.2	3.2	3.2	

C Plane (°):0.0-360.0: 45.0  
 Test Lab:  
 Test Type: TYPE C  
 Temperature:  
 Operator:

Gamma Plane (°):0.0-180.0:1.0  
 Test Device: GPM-1800B  
 Distance: 8.512 m  
 Humidity:  
 Inspector: