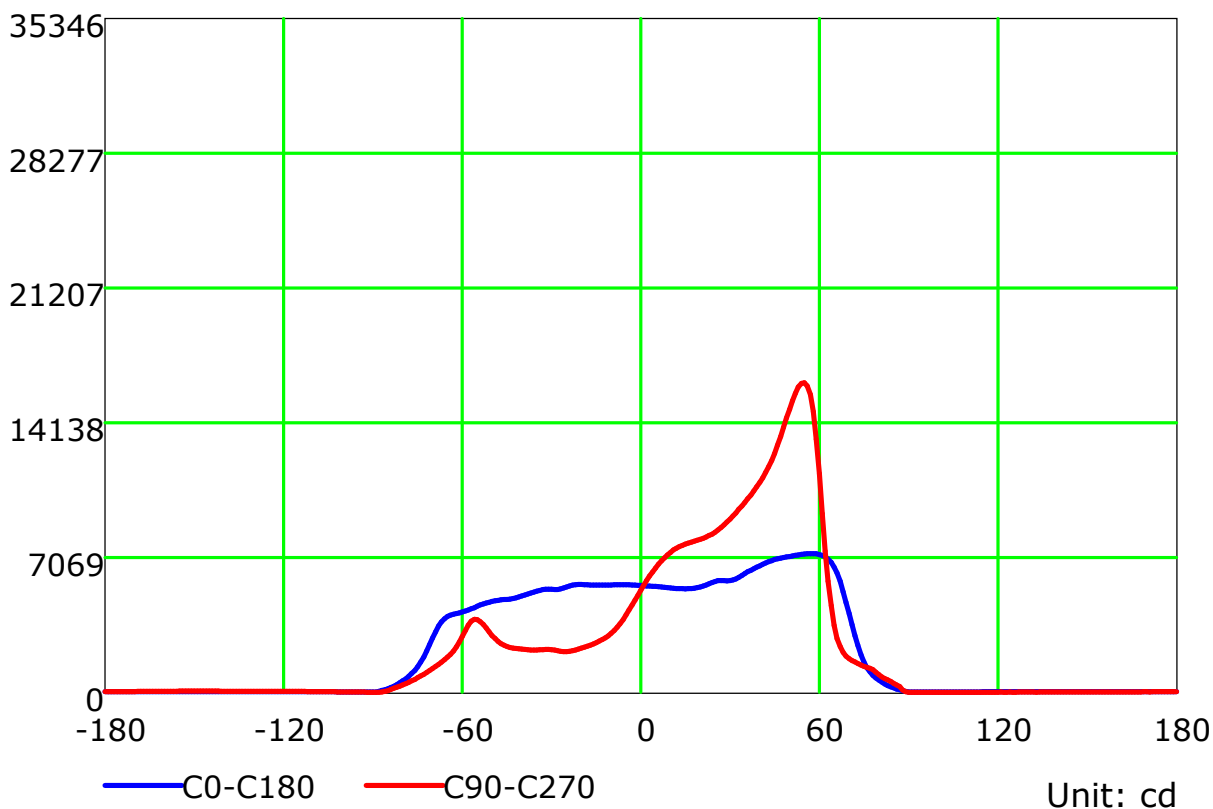
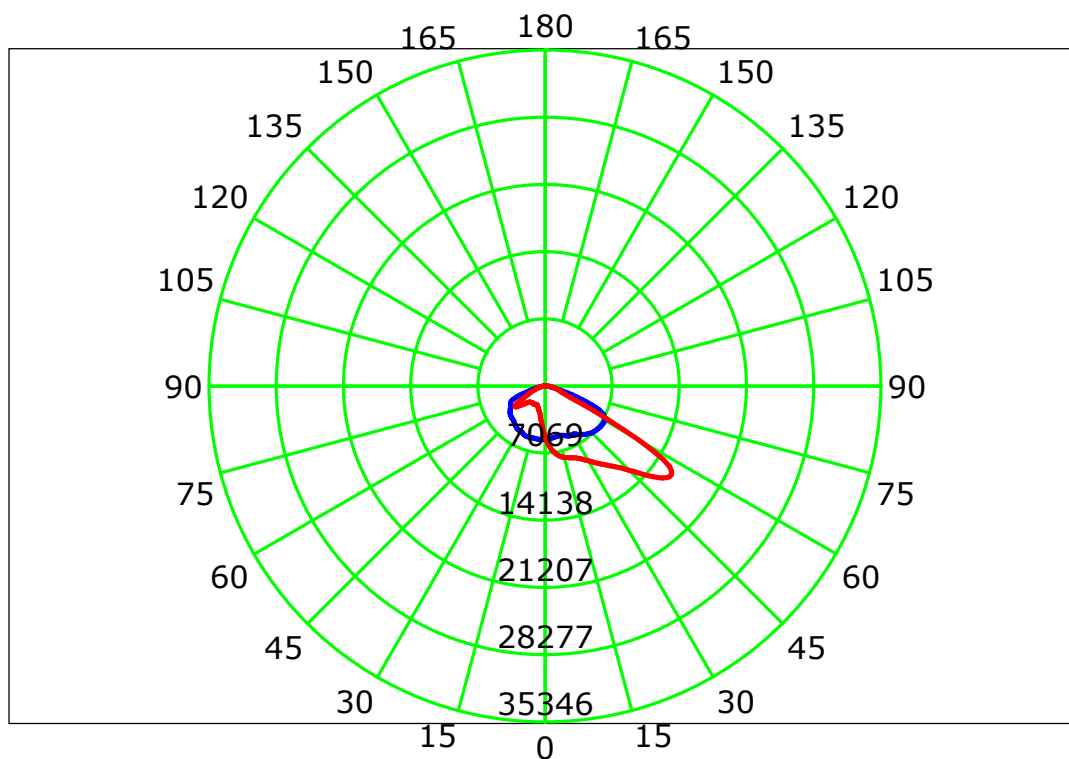


Test Time: 2019/4/24 星期三 09:43

Luminaire Property

Inspector:

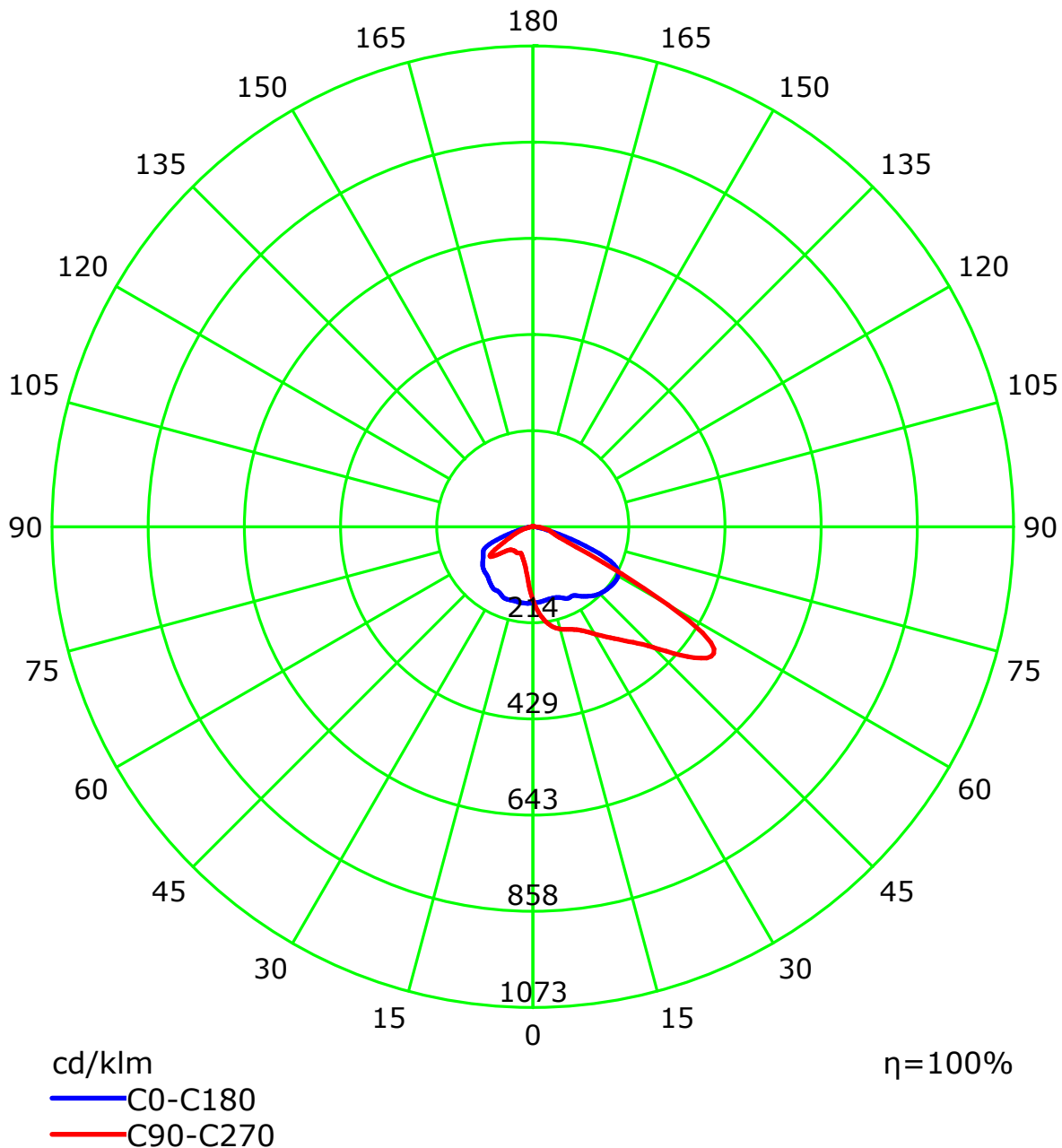
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 15.0
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:

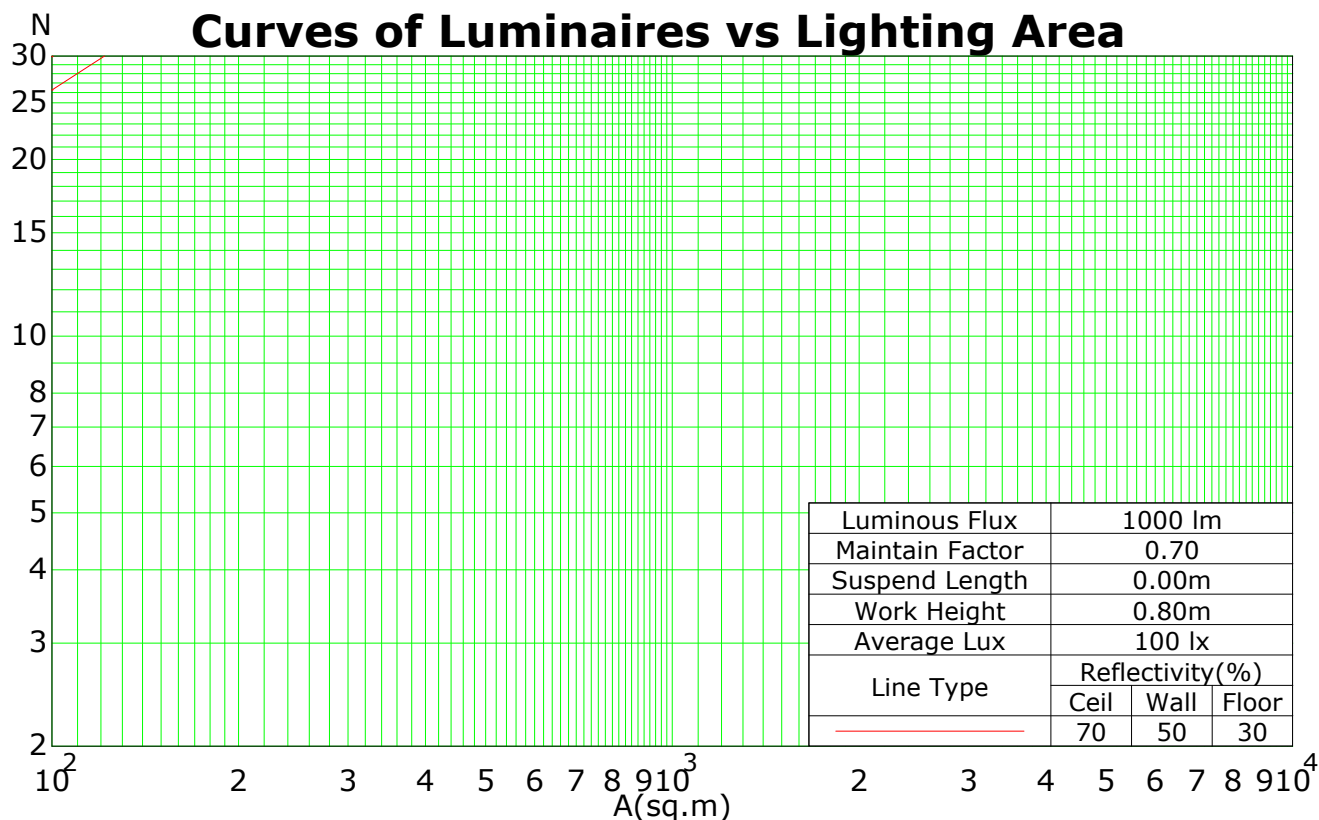
Luminous Intensity Distribution Curve(cd/klm)



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	111	111	111	106	106	106	101	101	101	99
1	107	101	96	91	104	99	94	90	94	90	87	90	87	84	86	84	81	79
2	95	85	77	70	92	83	75	69	79	73	67	75	70	66	72	68	64	61
3	84	72	62	55	82	70	61	54	67	59	53	64	57	52	61	56	51	48
4	76	62	52	44	73	60	51	43	58	49	43	55	48	42	53	46	41	39
5	69	54	43	36	66	53	43	35	50	42	35	48	40	34	46	39	34	31
6	63	47	37	30	60	46	37	30	44	36	29	42	35	29	41	34	28	26
7	57	42	32	25	55	41	32	25	40	31	25	38	30	25	36	30	24	22
8	53	38	28	22	51	37	28	22	36	27	21	34	27	21	33	26	21	19
9	49	34	25	19	48	34	25	19	32	24	19	31	24	19	30	23	18	16
10	46	31	23	17	44	31	22	17	30	22	17	29	21	16	28	21	16	14

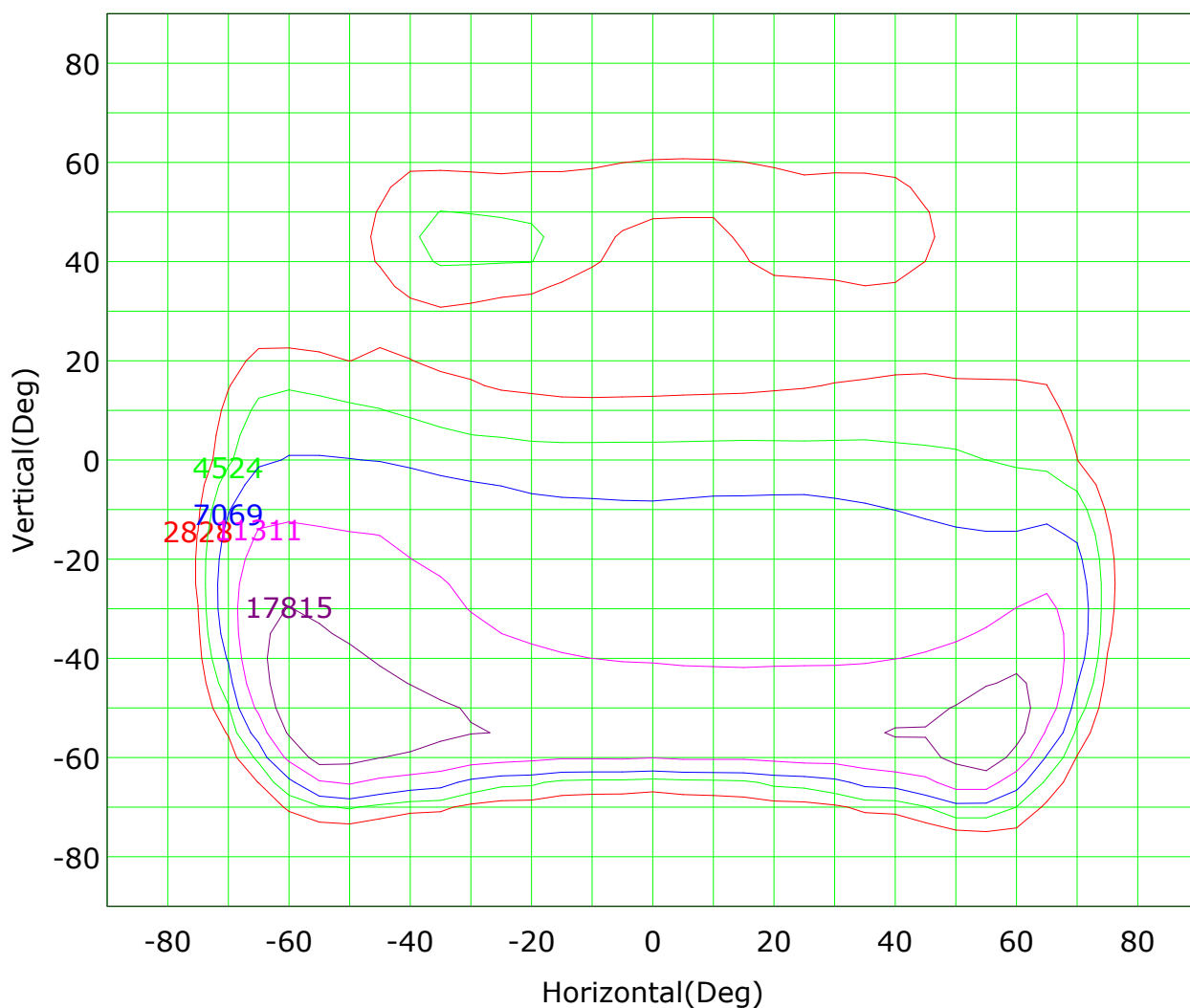
Spacing Criteria (0-180): 1.59
 Spacing Criteria (90-270): 1.96
 Spacing Criteria (Diagonal): 2.43



C Plane (°):0.0-360.0: 15.0
 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%): 28277 cd

(10%): 2828 cd	(16%): 4524 cd
(25%): 7069 cd	(40%): 11311 cd
(63%): 17815 cd	(100%): 28277 cd

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

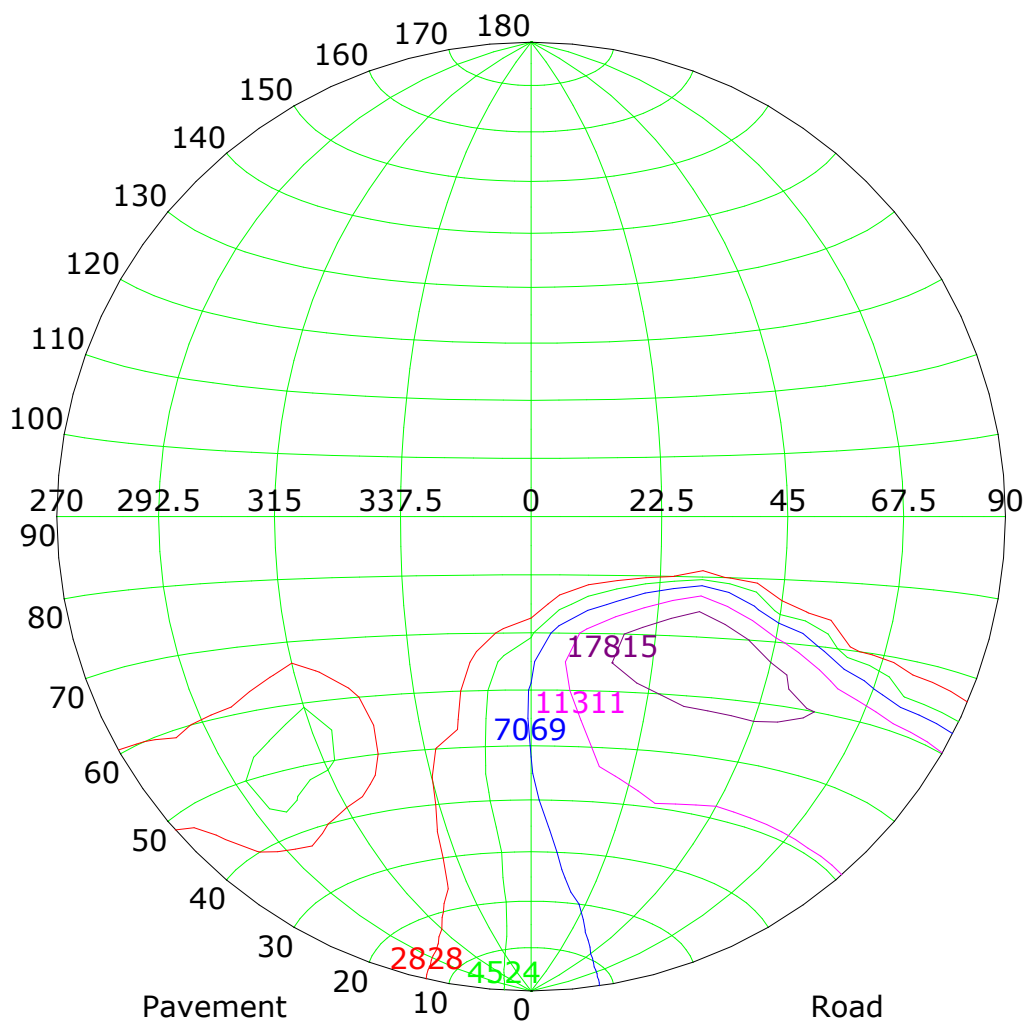
Test Device: GPM-1800B

Distance: 8.512 m

Humidity:

Inspector:

Isocandela (sphere)



Imax (100%): 28277 cd

(10%): 2828 cd	(16%): 4524 cd
(25%): 7069 cd	(40%): 11311 cd
(63%): 17815 cd	(100%): 28277 cd

C Plane (°):0.0-360.0: 15.0

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: GPM-1800B

Distance: 8.512 m

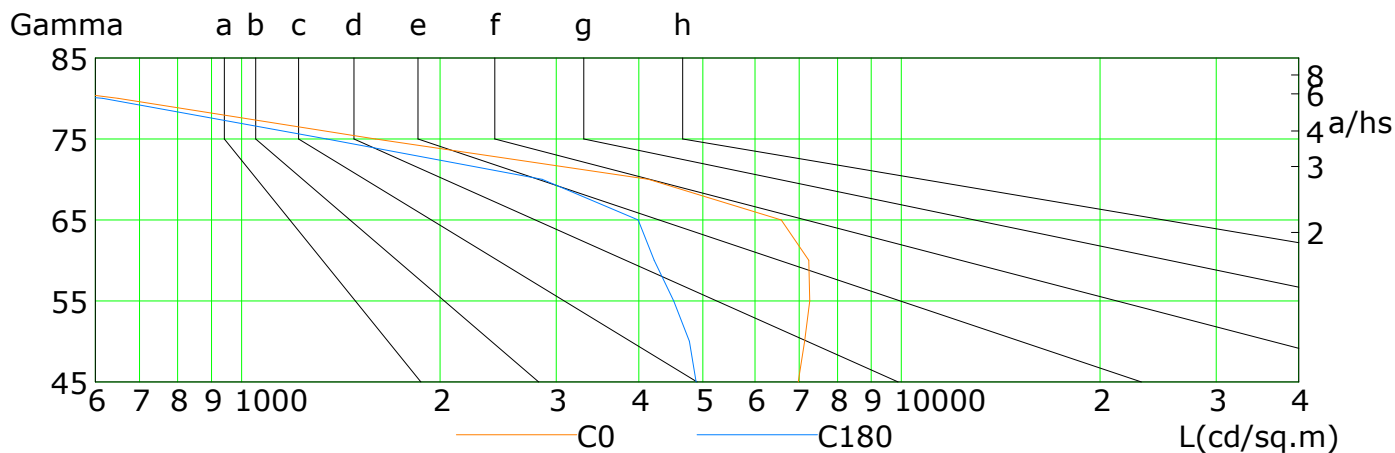
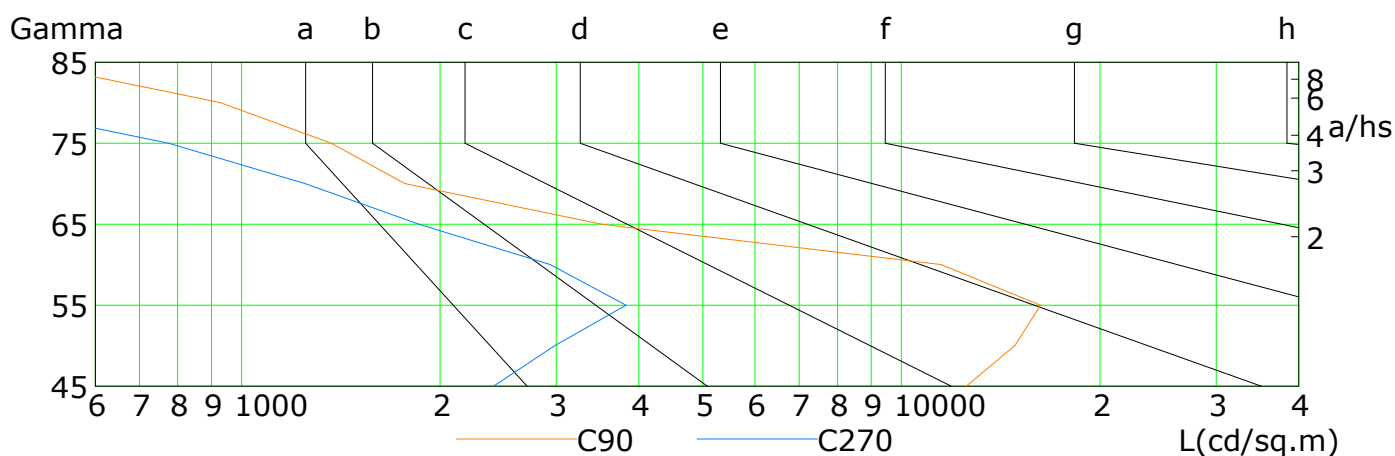
Humidity:

Inspector:

Lum Limit Curve

Dazzle	Quality	Illuminance (lx)							
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

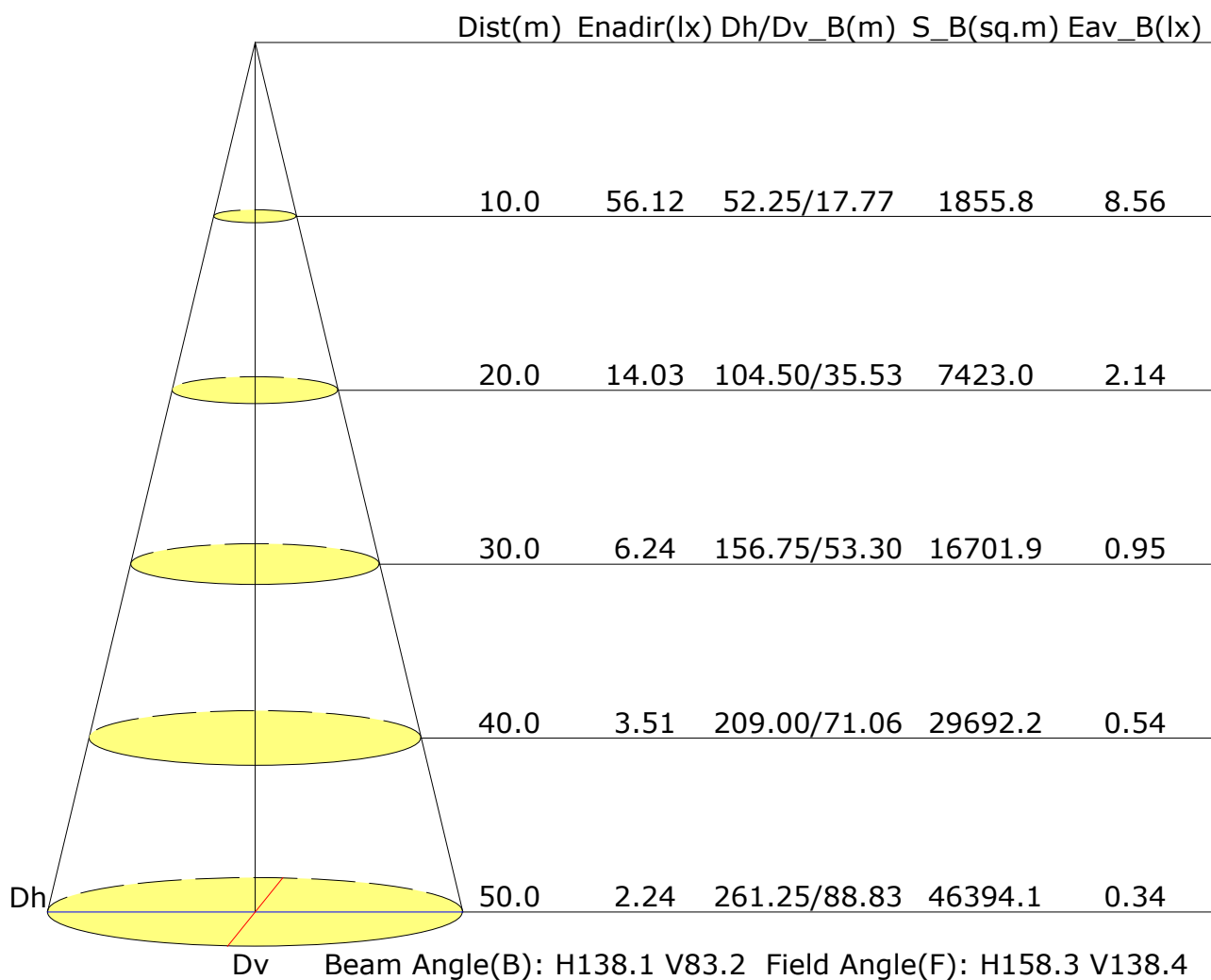


L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	6973	7135	7263	7236	6573	4136	1596	650	238
C90	12541	14854	16253	11477	3515	1768	1368	928	471
C180	4886	4774	4520	4222	3990	2854	1346	616	199
C270	2410	2986	3827	2934	1858	1248	775	390	98

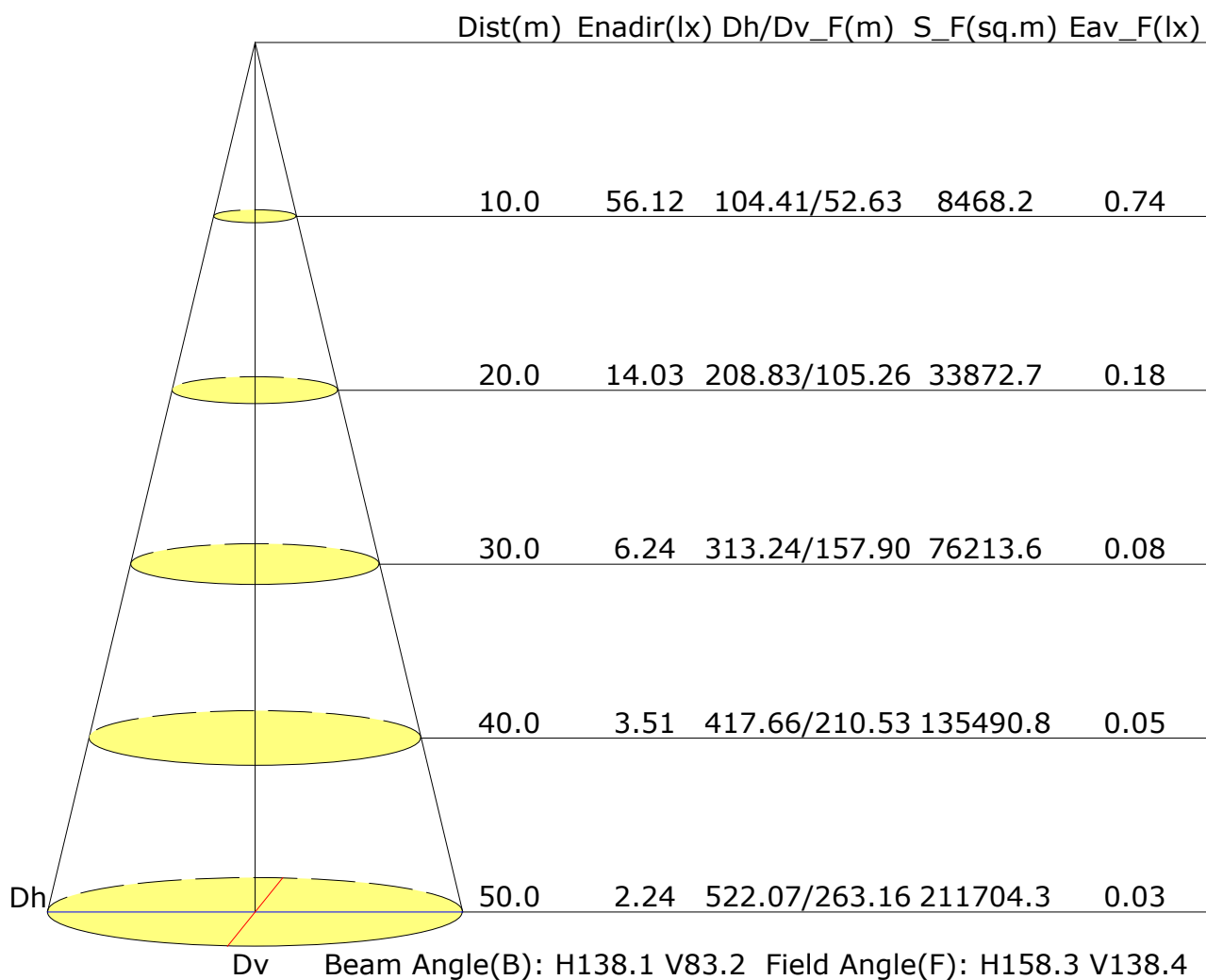
C Plane (°):0.0-360.0: 15.0
 Test Lab:
 Test Type: TYPE C
 Temperature:
 Operator:

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

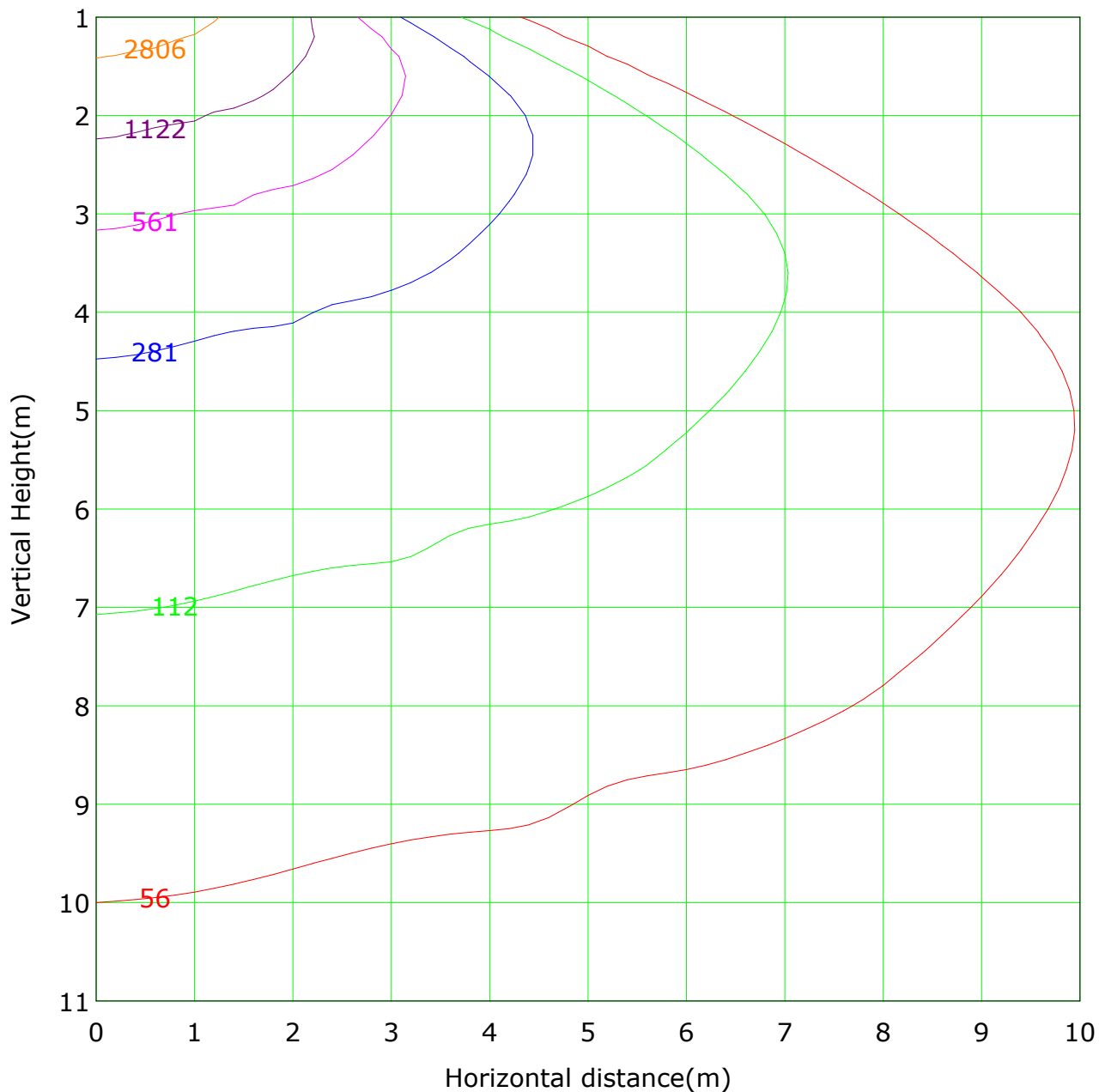
Illuminance at a Distance(Beam Angle)



Illuminance at a Distance(Field Angle)



Vertical IsoLux Plot



Lowest(m): 1.0m Highest(m): 11.0m Max Lux: 5611.9 lx
— (1%): 56.1 lx — (2%): 112.2 lx
— (5%): 280.6 lx — (10%): 561.2 lx
— (20%): 1122.4 lx — (50%): 2806.0 lx
— (100%): 5611.9 lx

C Plane (°): 0.0-360.0: 15.0
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

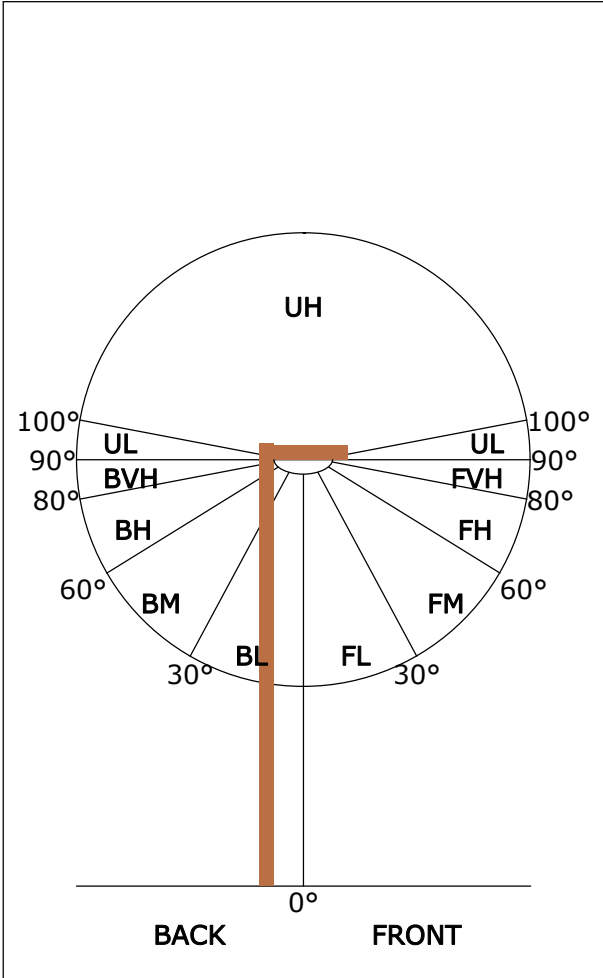
Reflectance:										
Ceiling (cavity)	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
Wall	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
Reference plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2
Room dimensions	Viewed crosswise					Viewed endwise				
X=2H Y=2H	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-1.\$	-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	-1.\$/-1.\$					-1.\$/-1.\$				
S=1.5H	-1.\$/-1.\$					-1.\$/-1.\$				
S=2.0H	-1.\$/-1.\$					-1.\$/-1.\$				

Calculate in accordance with CIE Pub.117. The table is revised with $32934 \ln (8 \log(F/F_0) = 12.1)$.

C Plane (°):0.0-360.0: 15.0
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

	ZONE	LUMENS	% LAMP LUMENS
	FORWARD LIGHT	25798	78.3
	FL (0°-30°)	3194	9.7
	FM (30°-60°)	13131	39.9
	FH (60°-80°)	9150	27.8
	FVH (80°-90°)	323	1.0
	BACK LIGHT	6908	21.0
	BL (0°-30°)	1358	4.1
	BM (30°-60°)	3724	11.3
	BH (60°-80°)	1712	5.2
	BVH (80°-90°)	114	0.3
	UP LIGHT	227	0.7
	UL (90°-100°)	24	0.1
	UH (100°-180°)	204	0.6
	TRAPPED LIGHT	NA	NA

BUG(Backlight,Uplight,Glare) Rating Base On TM-15-07	
Asymmetrical Luminaire Types (Type I,II,III,IV)	B3 U5 G4
Quadrilateral Symmetrical Luminaire Types (Type V,Area Light)	B3 U5 G4

C Plane (°):0.0-360.0: 15.0
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 = 2.25									
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	NA	NA	0.67	0.73	0.82	0.88	0.92	0.97	1.01	
	0.30		NA	NA	0.59	0.65	0.75	0.82	0.87	0.93	0.97	
	0.20		NA	NA	0.52	0.59	0.69	0.77	0.82	0.89	0.94	
0.50	0.50	0.20	NA	NA	0.65	0.70	0.79	0.85	0.89	0.93	0.97	
	0.30		NA	NA	0.57	0.63	0.73	0.79	0.84	0.89	0.93	
	0.20		NA	NA	0.52	0.58	0.68	0.75	0.80	0.86	0.91	
0.30	0.50	0.20	NA	NA	0.62	0.68	0.76	0.81	0.85	0.89	0.93	
	0.30		NA	NA	0.56	0.62	0.71	0.77	0.81	0.86	0.90	
	0.20		NA	NA	0.51	0.57	0.66	0.73	0.78	0.83	0.88	
0.00	0.00	0.00	NA	NA	0.48	0.54	0.63	0.69	0.73	0.79	0.83	
Rating:243W 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 = 2.25									
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	NA	NA	0.80	0.70	0.55	0.45	0.38	0.30	0.24	
	0.30		NA	NA	0.70	0.62	0.50	0.41	0.36	0.28	0.23	
	0.20		NA	NA	0.62	0.55	0.45	0.38	0.33	0.27	0.22	
0.50	0.50	0.20	NA	NA	0.77	0.67	0.53	0.46	0.37	0.29	0.23	
	0.30		NA	NA	0.68	0.60	0.48	0.40	0.34	0.27	0.22	
	0.20		NA	NA	0.61	0.54	0.44	0.37	0.32	0.26	0.21	
0.30	0.50	0.20	NA	NA	0.74	0.65	0.51	0.41	0.35	0.27	0.22	
	0.30		NA	NA	0.66	0.59	0.47	0.39	0.33	0.26	0.21	
	0.20		NA	NA	0.60	0.54	0.43	0.36	0.31	0.25	0.20	
0.00	0.00	0.00	0.99	0.99	0.51	0.46	0.36	0.30	0.26	0.20	0.16	
Rating:243W 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 = 2.25									
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	NA	NA	0.20	0.21	0.21	0.22	0.22	0.22	0.23	
	0.30		NA	NA	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		NA	NA	0.08	0.09	0.11	0.13	0.14	0.16	0.17	
0.50	0.50	0.20	NA	NA	0.19	0.20	0.20	0.21	0.21	0.21	0.22	
	0.30		NA	NA	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		NA	NA	0.08	0.09	0.11	0.12	0.14	0.15	0.17	
0.30	0.50	0.20	NA	NA	0.19	0.19	0.20	0.20	0.20	0.21	0.21	
	0.30		NA	NA	0.12	0.13	0.15	0.16	0.17	0.18	0.18	
	0.20		NA	NA	0.08	0.09	0.11	0.12	0.13	0.15	0.16	
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:243W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												