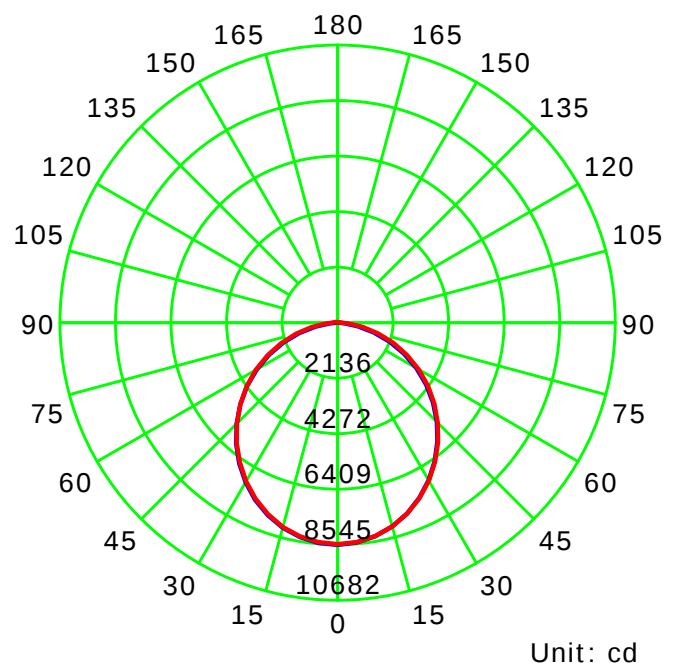
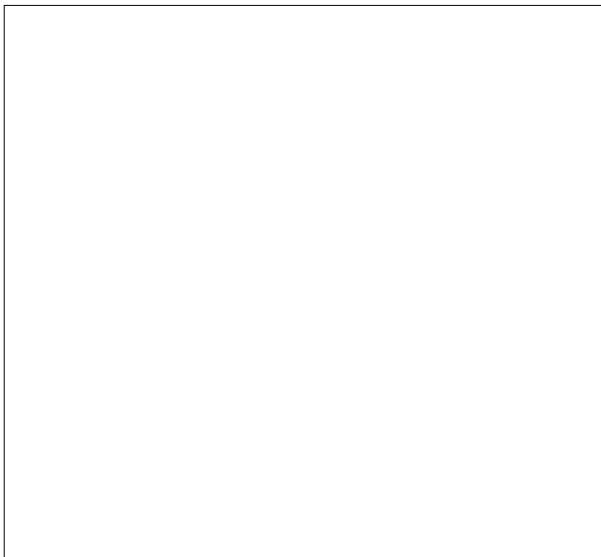


Test Time: 14.02.2019 09:28

Luminaire Manufacturer: FAROS	
Luminaire Description: FG 55 80LED 0,764A 100Wx2 5000K opal c БАП	
Lamp Description: LED	Number of Lamps: 1
Luminous Length (mm): 1545	Luminous Width (mm): 55
Luminous Height (mm): 90	Voltage: 220.4 V
Current: 0.904 A	Power: 196.40 W
Power Factor: 0.984	

CIE Class: Direct	Total Rated Lamp Lumens: 23913.7 lm
Measurement Flux: 23913.7 lm	Efficiency: 100%
Downward Ratio: 99%	Upward Ratio: 1%
Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 159.5, 162.9, 161.6, 161.5	
Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 109.0, 110.0, 109.5, 109.5	
Luminaire Efficacy Rating (LER): 121.81	Central Intensity: 8545.8 cd
Max. Intensity: 8545.8 cd	Pos of Max. Intensity: H0 V0
S/MH(C0/C180): 1.23	S/MH(C90/C270): 1.23

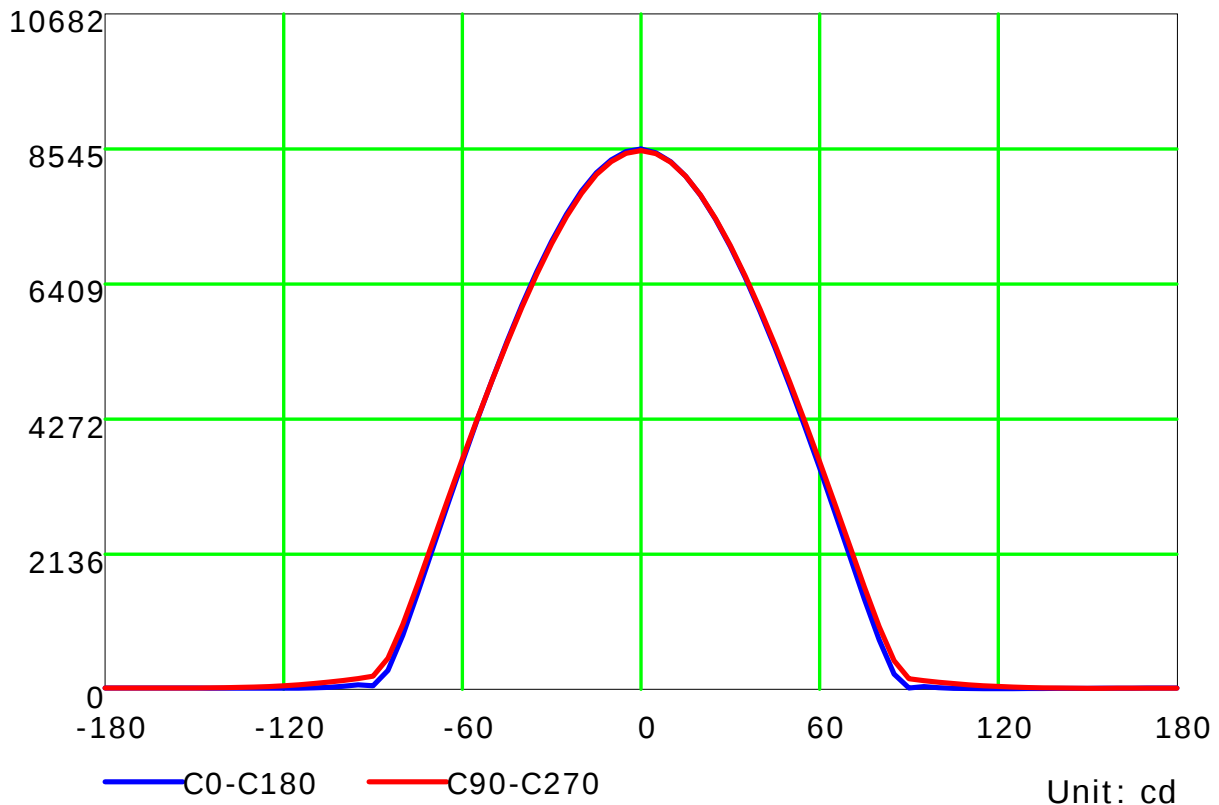
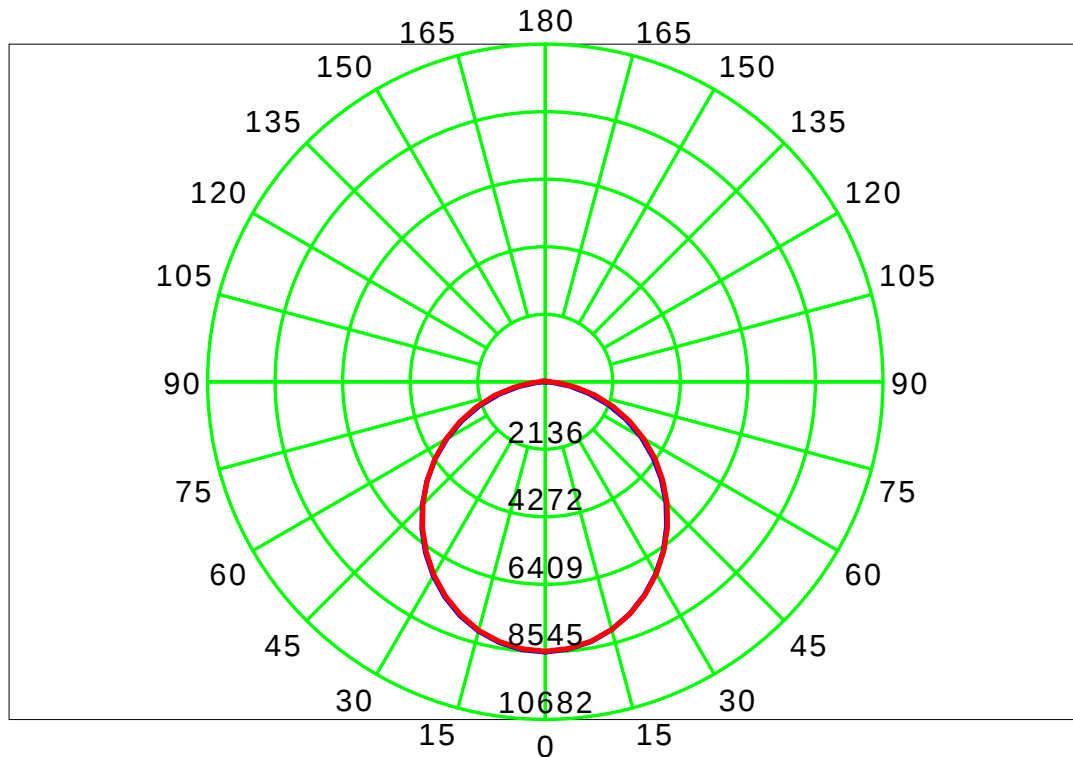
Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

Gamma Plane (°):0.0-180.0:5.0
Test Device: LSG-1800B
Distance: 12.654 m
Humidity:
Inspector:

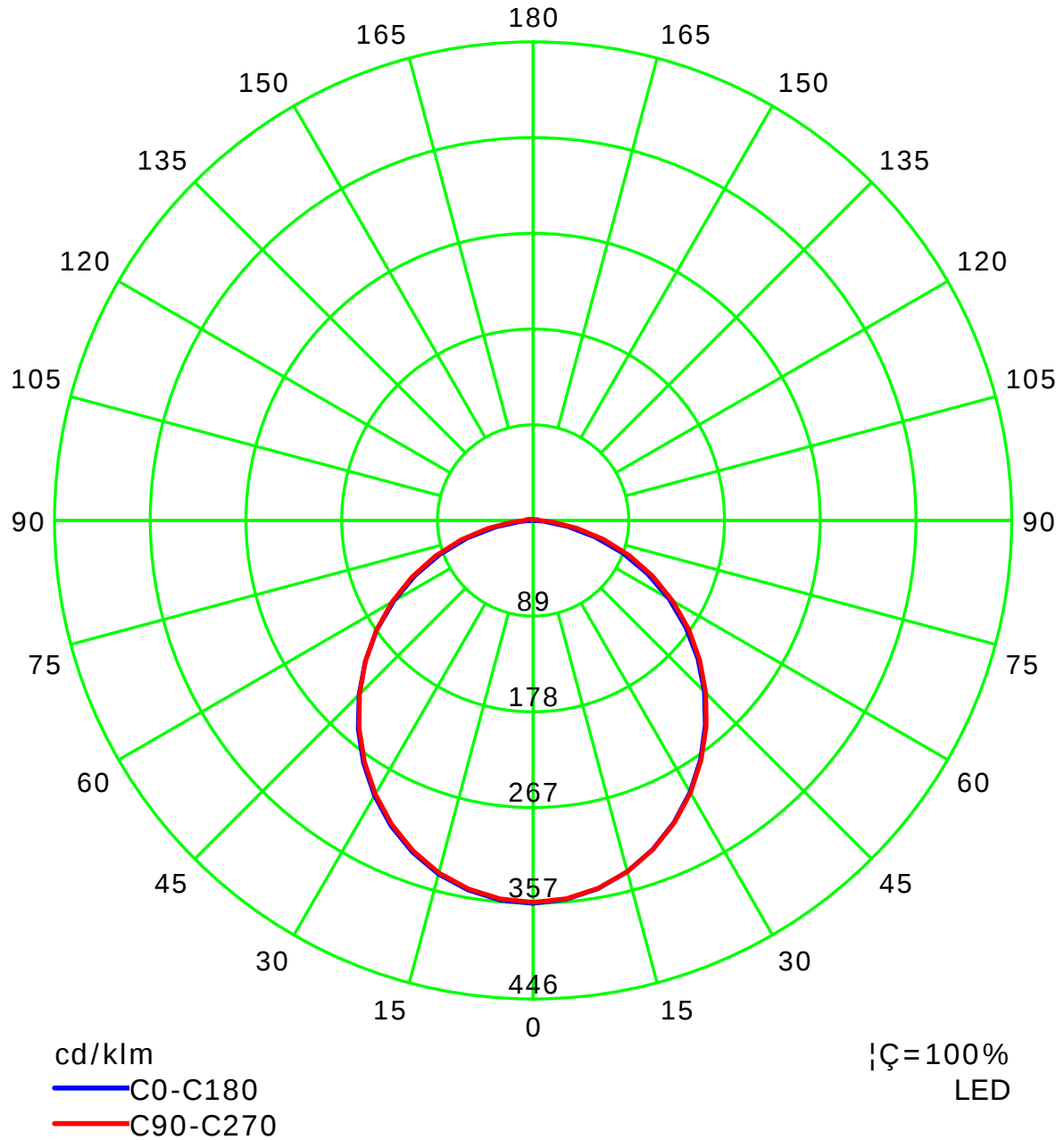
Luminous Intensity Distribution Curve



C Plane (°):0.0-360.0: 22.5
Test Lab:
Test Type: TYPE C
Temperature:
Operator:

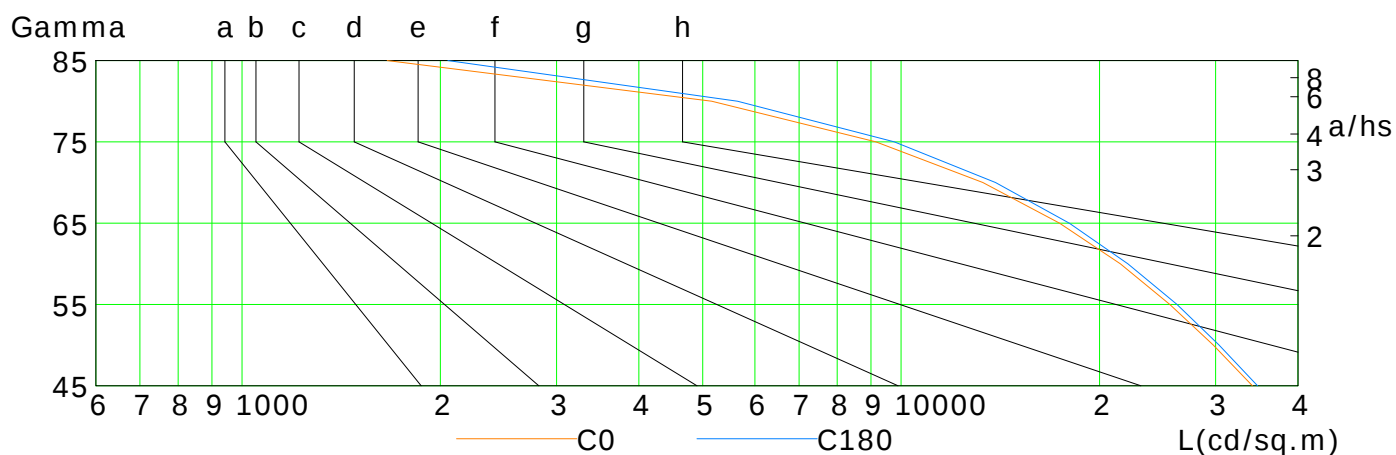
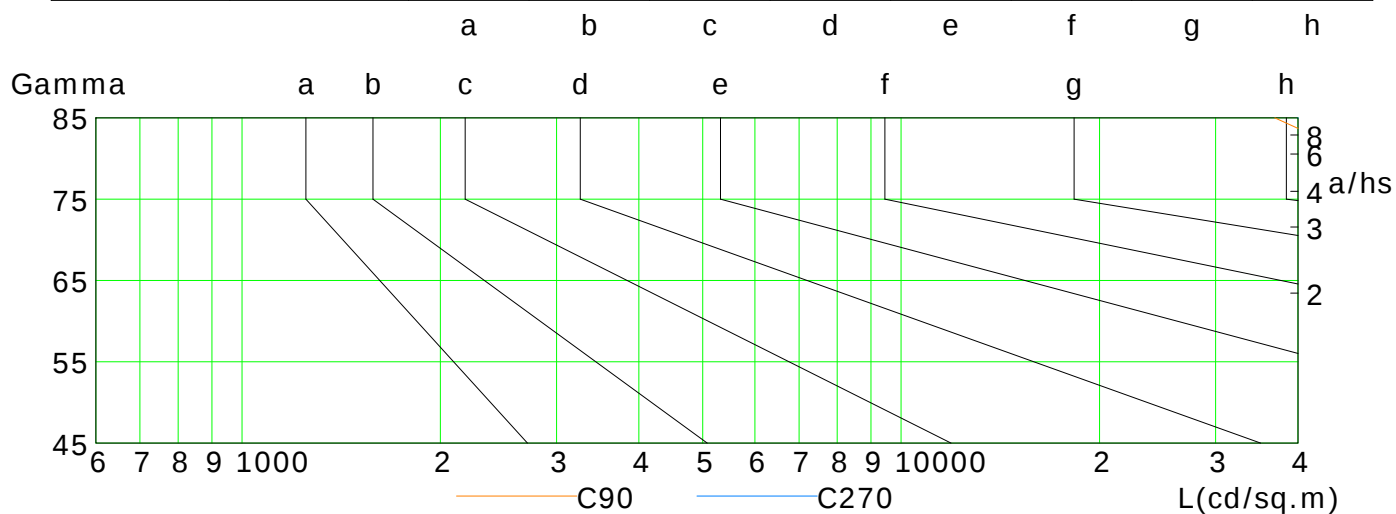
Gamma Plane (°):0.0-180.0:5.0
Test Device: LSG-1800B
Distance: 12.654 m
Humidity:
Inspector:

Luminous Intensity Distribution Curve(cd / klm)



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



L(cd/sq.m)	G45	G50	G55	G60	G65	G70	G75	G80	G85
C0	34111	29762	25569	21505	17391	13302	9158	5159	1661
C90	85695	83127	80308	76984	72952	67769	60581	50538	36888
C180	34724	30364	26212	22080	17997	13903	9765	5647	2052
C270	86175	83717	81005	77839	73965	68949	62049	52316	39981

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

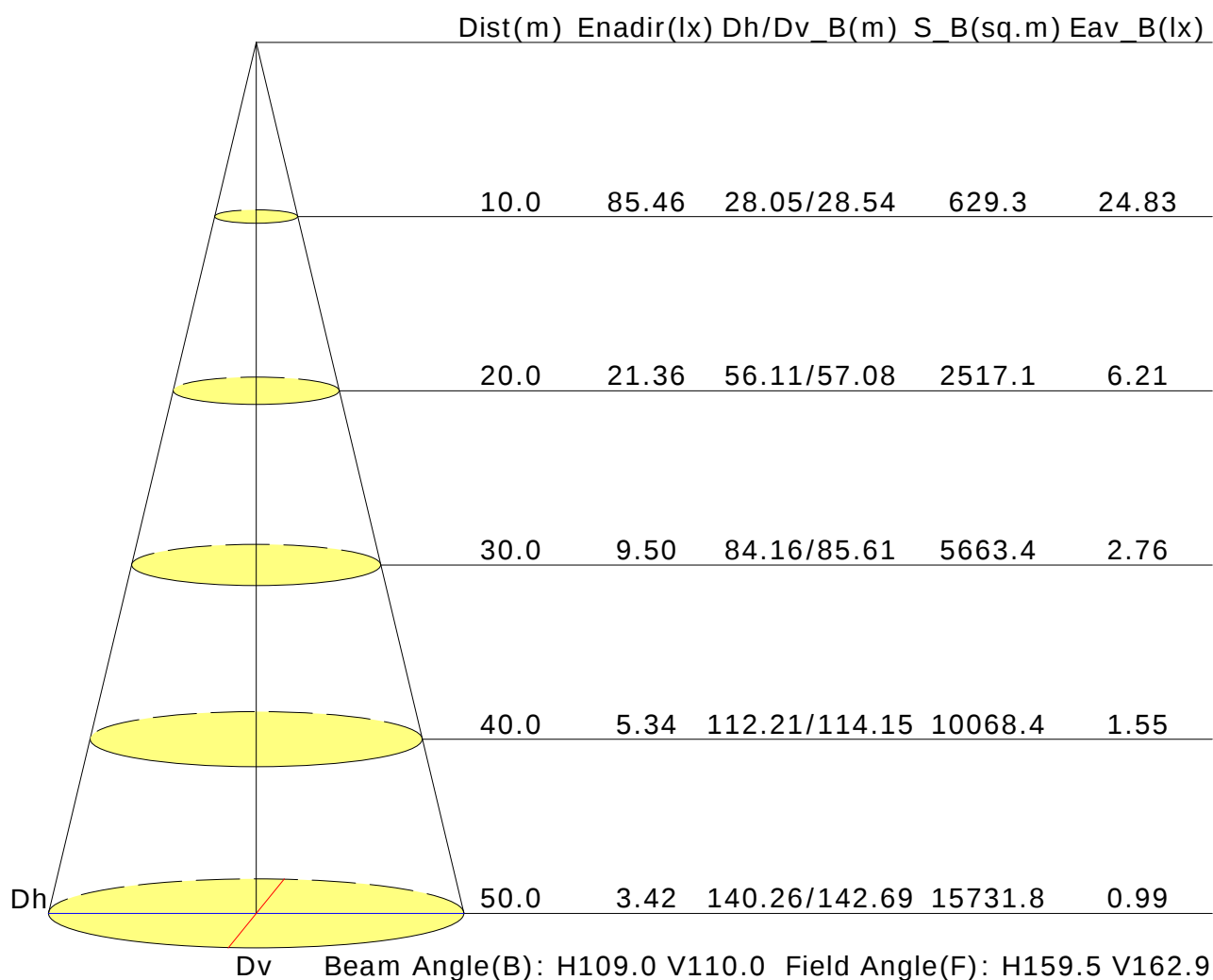
Test Device: LSG-1800B

Distance: 12.654 m

Humidity:

Inspector:

Illuminance at a Distance



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	23.9	25.3	24.2	25.5	25.8	26.1	27.5	26.5	27.8	28.0
3H	24.9	26.1	25.2	26.4	26.7	27.7	28.9	28.0	29.2	29.5
4H	25.2	26.3	25.5	26.6	27.0	28.3	29.5	28.6	29.8	30.1
6H	25.3	26.4	25.7	26.7	27.1	28.7	29.8	29.1	30.2	30.5
8H	25.3	26.3	25.7	26.7	27.0	28.9	29.9	29.3	30.3	30.6
12H	25.3	26.3	25.7	26.6	27.0	29.0	30.0	29.4	30.3	30.7
X=4H Y=2H	24.5	25.7	24.9	26.0	26.4	26.4	27.6	26.7	27.9	28.2
3H	25.7	26.7	26.1	27.0	27.4	28.0	29.0	28.4	29.4	29.8
4H	26.0	26.9	26.4	27.3	27.7	28.7	29.6	29.1	30.0	30.4
6H	26.2	27.0	26.7	27.4	27.8	29.2	30.1	29.7	30.5	30.9
8H	26.2	27.0	26.7	27.4	27.8	29.4	30.2	29.9	30.6	31.0
12H	26.2	26.9	26.7	27.3	27.8	29.6	30.2	30.0	30.7	31.1
X=8H Y=4H	26.2	27.0	26.7	27.4	27.9	28.8	29.5	29.2	29.9	30.4
6H	26.5	27.1	27.0	27.6	28.1	29.4	30.0	29.8	30.4	30.9
8H	26.6	27.1	27.1	27.6	28.1	29.6	30.1	30.1	30.6	31.1
12H	26.6	27.0	27.1	27.5	28.1	29.7	30.2	30.3	30.7	31.2
X=12H Y=4H	26.3	26.9	26.7	27.4	27.8	28.7	29.4	29.2	29.9	30.3
6H	26.5	27.1	27.0	27.6	28.1	29.3	29.9	29.8	30.4	30.9
8H	26.6	27.1	27.1	27.6	28.1	29.6	30.0	30.1	30.5	31.1
Variations with the observer position at spacings:										
S=1.0H	+0.2/-0.3					+0.2/-0.2				
S=1.5H	+0.4/-0.8					+0.6/-0.7				
S=2.0H	+0.8/-1.5					+1.3/-1.5				

Calculate in accordance with CIE Pub.117. The table is revised with 23914lm ($8\log(F/F_0) = 11.0$).

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:5.0

Test Device: LSG-1800B

Distance: 12.654 m

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	0.56	0.67	0.74	0.79	0.87	0.92	0.95	1.00	1.03	
	0.30		0.49	0.59	0.67	0.72	0.80	0.86	0.90	0.96	0.99	
	0.20		0.43	0.53	0.61	0.67	0.75	0.81	0.86	0.92	0.96	
0.50	0.50	0.20	0.55	0.65	0.71	0.76	0.83	0.88	0.91	0.96	0.98	
	0.30		0.48	0.58	0.65	0.70	0.78	0.83	0.87	0.92	0.95	
	0.20		0.42	0.53	0.60	0.66	0.74	0.79	0.83	0.89	0.93	
0.30	0.50	0.20	0.53	0.63	0.69	0.74	0.80	0.85	0.88	0.92	0.94	
	0.30		0.47	0.57	0.64	0.69	0.76	0.81	0.84	0.89	0.92	
	0.20		0.42	0.52	0.59	0.64	0.72	0.77	0.81	0.86	0.90	
0.00	0.00	0.00	0.40	0.49	0.56	0.61	0.68	0.73	0.77	0.82	0.85	
Rating:196W 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	0.99	0.82	0.70	0.61	0.49	0.40	0.35	0.27	0.22	
	0.30		0.83	0.70	0.61	0.54	0.44	0.37	0.32	0.25	0.21	
	0.20		0.71	0.61	0.54	0.48	0.40	0.34	0.30	0.24	0.20	
0.50	0.50	0.20	0.96	0.79	0.67	0.58	0.46	0.42	0.33	0.25	0.21	
	0.30		0.81	0.68	0.59	0.52	0.42	0.36	0.31	0.24	0.20	
	0.20		0.70	0.60	0.53	0.47	0.39	0.33	0.29	0.23	0.19	
0.30	0.50	0.20	0.93	0.76	0.64	0.56	0.44	0.37	0.31	0.24	0.20	
	0.30		0.79	0.67	0.57	0.51	0.41	0.34	0.30	0.23	0.19	
	0.20		0.69	0.59	0.52	0.46	0.38	0.32	0.28	0.22	0.18	
0.00	0.00	0.00	0.59	0.50	0.43	0.38	0.30	0.25	0.22	0.17	0.14	
Rating:196W 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	0.17	0.19	0.19	0.20	0.21	0.22	0.22	0.22	0.23	
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20	
	0.20		0.06	0.07	0.09	0.10	0.12	0.14	0.15	0.17	0.18	
0.50	0.50	0.20	0.17	0.18	0.19	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	0.07	0.09	0.10	0.12	0.13	0.15	0.16	0.17	
0.30	0.50	0.20	0.16	0.17	0.18	0.19	0.19	0.20	0.20	0.21	0.21	
	0.30		0.10	0.12	0.13	0.14	0.15	0.16	0.17	0.18	0.19	
	0.20		0.06	0.07	0.09	0.10	0.12	0.13	0.14	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:196W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980												