

Report No.: 1

Test Time: 31.01.2020 11:00

Luminaire Property

Luminaire Manufacturer:

Luminaire Description: FG 100 DALI 36LED 1000W 5000K 60gr. staraya linza
Luminous Length (mm): 565 mm
Luminous Height (mm): 695 mm
Current: 4.905 A
Power Factor: 0.988

Luminous Width (mm): 345 mm
Voltage: 220.7 V
Power: 998.78 W

Photometric Results

CIE Class: Direct

Measurement Flux: 126639.8 lm

Downward Ratio: 98%

Field Angle(C0/C180,C90/C270,C45/C225,C135/315): 118.3, 110.7, 115.8, 116.1

Beam Angle(C0/C180,C90/C270,C45/C225,C135/315): 51.5, 50.3, 49.3, 49.3

Luminaire Efficacy Rating (LER): 126.84

Max. Intensity: 119681.36 cd

S/MH(C0/C180): 0.80

Total Rated Lamp Lumens: 126639.8 lm

Efficiency: 100%

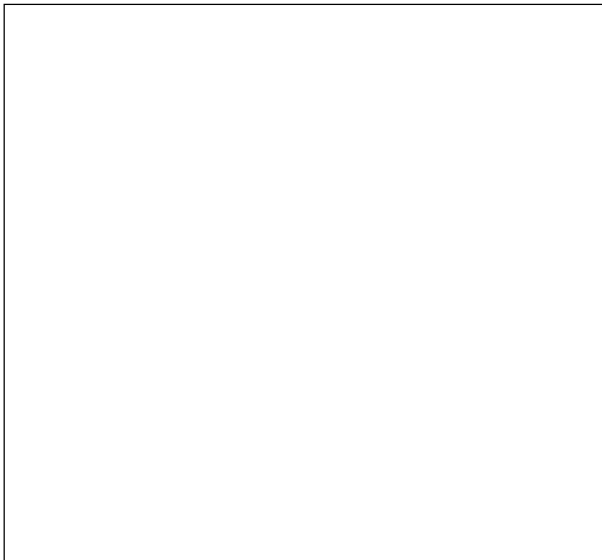
Upward Ratio: 2%

Central Intensity: 118086.37 cd

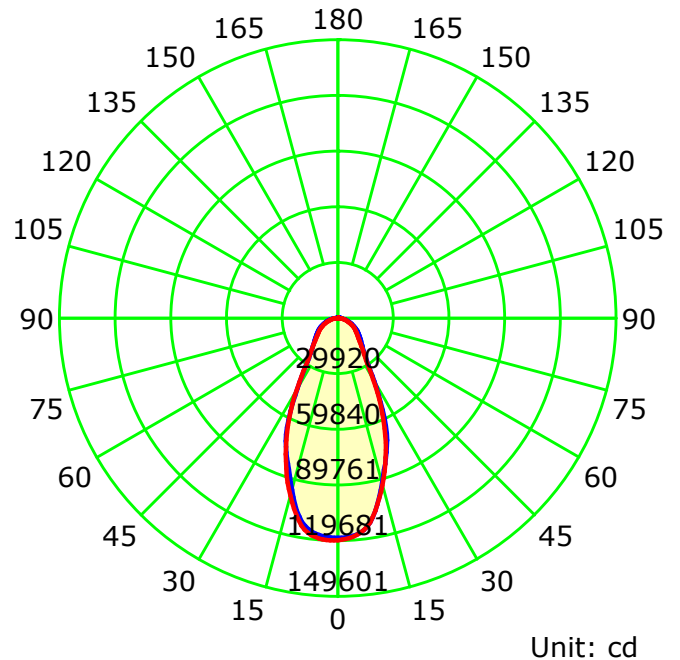
Pos of Max. Intensity: H315 V1

S/MH(C90/C270): 0.78

Picture Of Luminaire



Luminous Intensity Distribution Curve



— C0-C180 — C90-C270

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

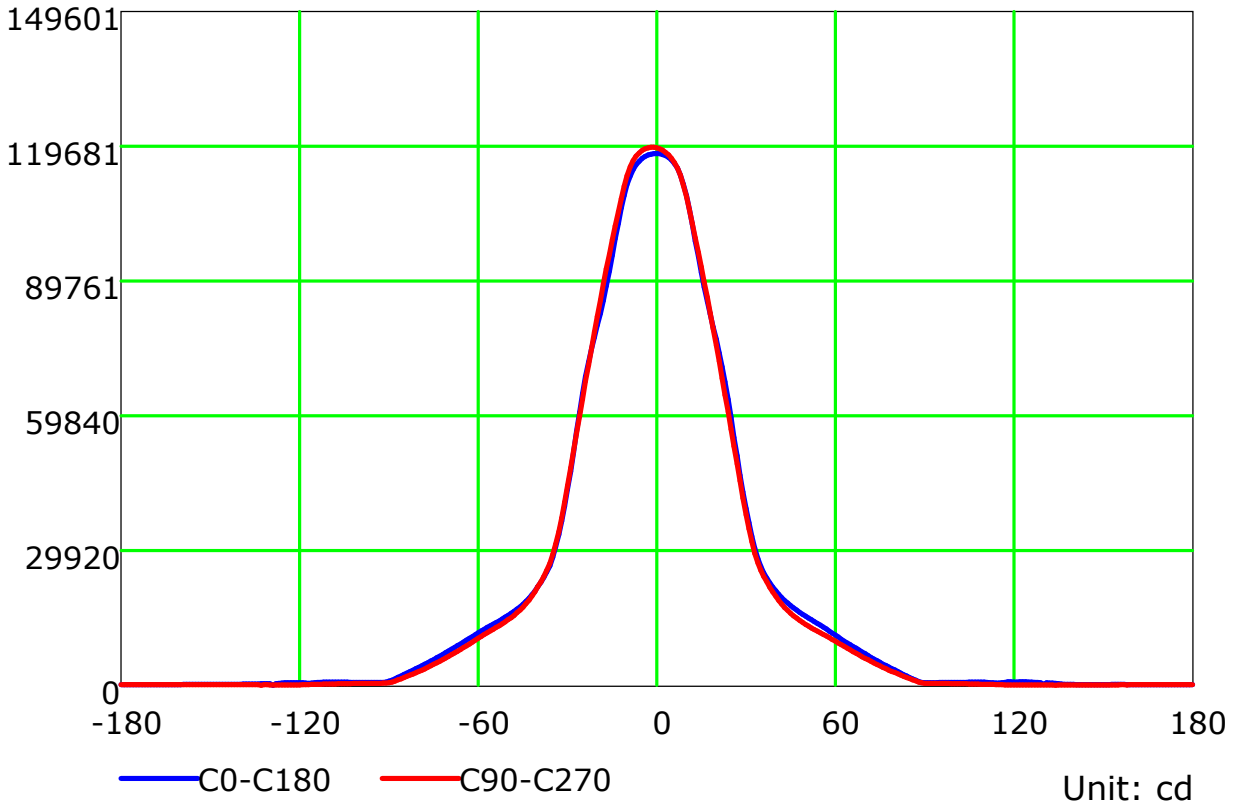
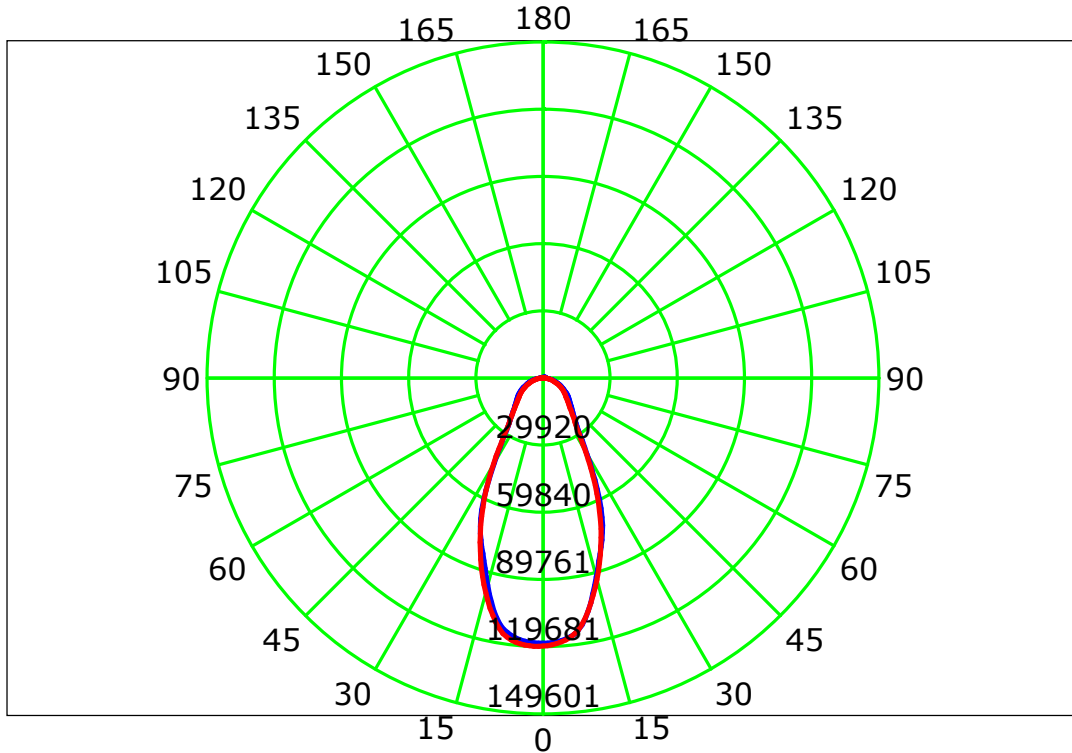
Test Device: LSG-1800B

Distance: 12.677 m

Humidity:

Inspector:

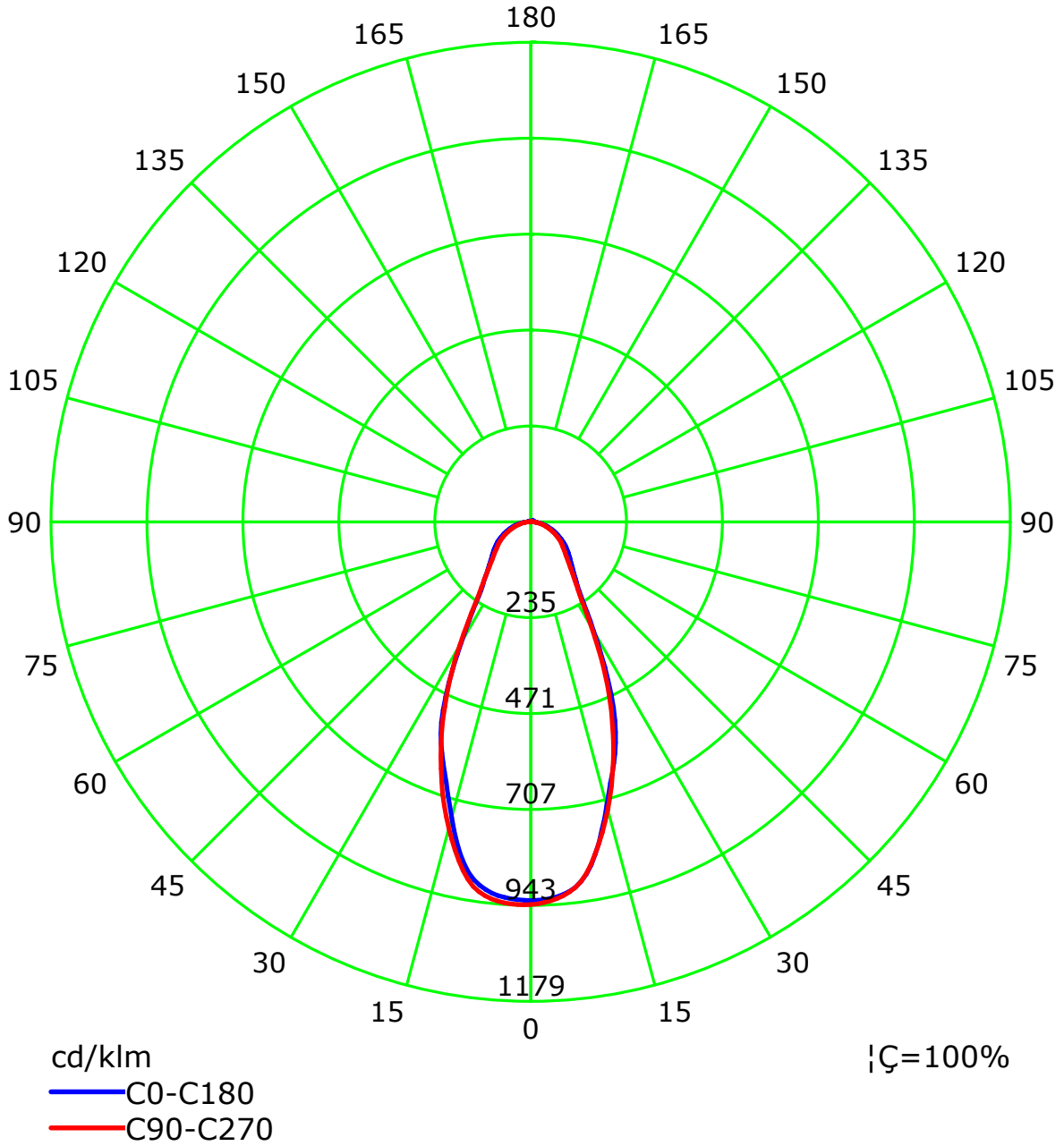
Luminous Intensity Distribution Curve



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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1800B
 Distance: 12.677 m
 Humidity:
 Inspector:

Luminous Intensity Distribution Curve(cd/klm)



C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

Test Device: LSG-1800B

Distance: 12.677 m

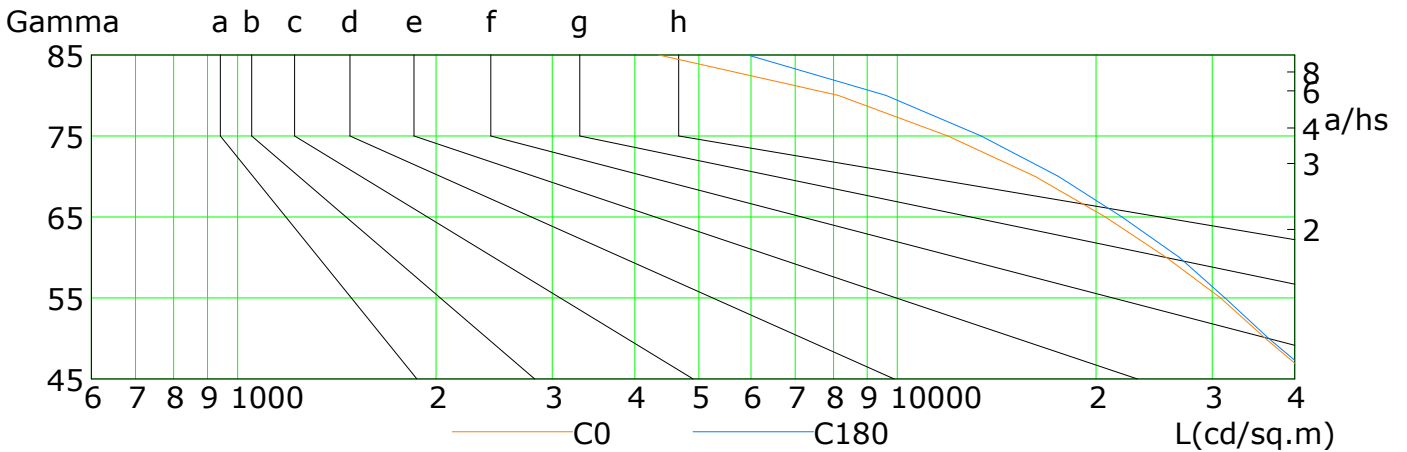
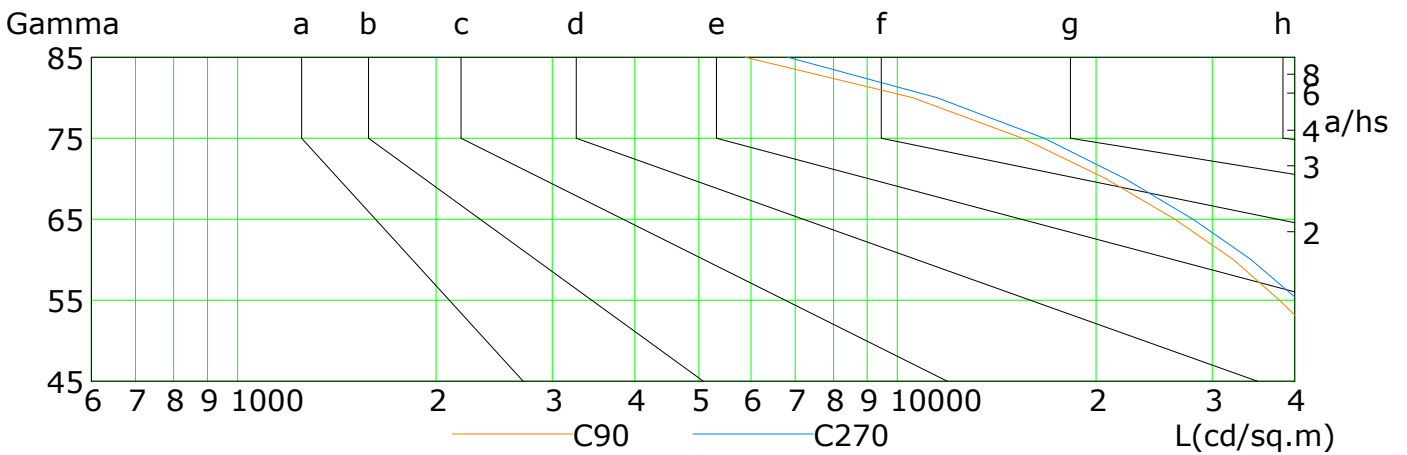
Humidity:

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	42738	36119	30881	25545	20668	16163	11931	8128	4351
C90	52197	43910	37949	32307	26334	20677	15470	10532	5880
C180	43335	36507	31390	26751	21899	17537	13389	9598	5934
C270	56591	47186	40542	34359	28043	22106	16685	11465	6819

C Plane (°):0.0-360.0: 22.5

Test Lab:

Test Type: TYPE C

Temperature:

Operator:

Gamma Plane (°):0.0-180.0:1.0

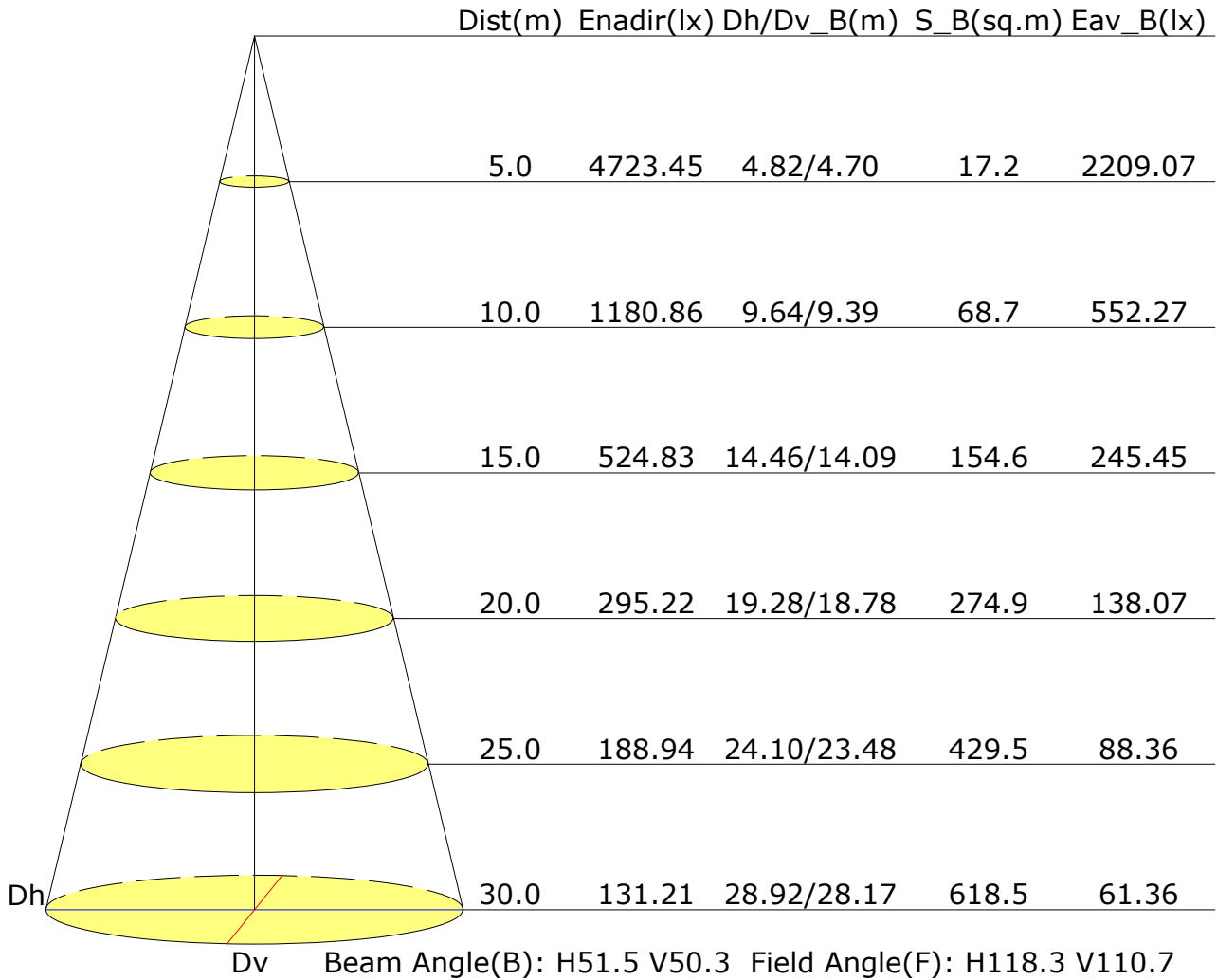
Test Device: LSG-1800B

Distance: 12.677 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	22.6	23.8	23.0	24.0	24.3	22.9	24.0	23.2	24.3	24.6
3H	23.6	24.6	23.9	24.9	25.2	23.9	24.9	24.2	25.2	25.5
4H	23.9	24.9	24.3	25.2	25.5	24.2	25.2	24.6	25.5	25.8
6H	24.1	25.0	24.5	25.3	25.7	24.4	25.3	24.8	25.7	26.0
8H	24.2	25.0	24.6	25.4	25.7	24.5	25.4	24.9	25.7	26.1
12H	24.2	25.0	24.6	25.4	25.8	24.5	25.4	24.9	25.7	26.1
X=4H Y=2H	23.0	24.0	23.4	24.3	24.6	23.3	24.2	23.6	24.5	24.8
3H	24.1	24.9	24.5	25.3	25.6	24.3	25.2	24.7	25.5	25.9
4H	24.5	25.3	25.0	25.6	26.1	24.8	25.5	25.2	25.9	26.3
6H	24.8	25.5	25.3	25.9	26.3	25.1	25.7	25.5	26.2	26.6
8H	24.9	25.5	25.4	26.0	26.4	25.2	25.8	25.7	26.2	26.7
12H	25.0	25.5	25.5	26.0	26.4	25.3	25.8	25.7	26.2	26.7
X=8H Y=4H	24.7	25.2	25.1	25.7	26.1	24.9	25.5	25.3	25.9	26.4
6H	25.0	25.5	25.5	26.0	26.5	25.3	25.8	25.8	26.2	26.7
8H	25.2	25.6	25.7	26.1	26.6	25.4	25.9	25.9	26.3	26.9
12H	25.3	25.7	25.8	26.2	26.7	25.5	25.9	26.1	26.4	27.0
X=12H Y=4H	24.6	25.2	25.1	25.6	26.1	24.9	25.4	25.3	25.9	26.3
6H	25.1	25.5	25.6	26.0	26.5	25.3	25.7	25.8	26.2	26.7
8H	25.2	25.6	25.7	26.1	26.6	25.5	25.8	26.0	26.3	26.9
Variations with the observer position at spacings:										
S=1.0H	+0.3/-0.4					+0.6/-0.4				
S=1.5H	+0.8/-0.8					+1.3/-1.0				
S=2.0H	+1.4/-1.5					+2.1/-1.8				

Calculate in accordance with CIE Pub.117. The table is revised with 126640lm ($8\log(F/F_0) = 16.8$).

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

Gamma Plane (°):0.0-180.0:1.0
 Test Device: LSG-1800B
 Distance: 12.677 m
 Humidity:
 Inspector:

Utilisation Factor Table(Floor cavity)

Utilisation Factors UF(F)			SHR NOM = 0.75									
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	0.68	0.76	0.82	0.87	0.93	0.97	0.99	1.03	1.05	
	0.30		0.62	0.70	0.76	0.81	0.87	0.92	0.95	1.00	1.03	
	0.20		0.57	0.65	0.71	0.76	0.83	0.88	0.92	0.97	1.00	
0.50	0.50	0.20	0.67	0.74	0.80	0.84	0.89	0.93	0.96	0.99	1.01	
	0.30		0.61	0.69	0.74	0.79	0.85	0.89	0.92	0.96	0.99	
	0.20		0.56	0.64	0.70	0.75	0.81	0.86	0.89	0.94	0.96	
0.30	0.50	0.20	0.65	0.72	0.77	0.81	0.86	0.90	0.92	0.95	0.97	
	0.30		0.60	0.67	0.73	0.77	0.83	0.86	0.89	0.93	0.95	
	0.20		0.56	0.64	0.69	0.74	0.80	0.84	0.87	0.91	0.93	
0.00	0.00	0.00	0.54	0.61	0.66	0.70	0.76	0.80	0.82	0.86	0.88	
<p>Rating:999W 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(Wall)

Utilisation Factors UF(W)			SHR NOM = 0.75									
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	0.82	0.68	0.58	0.50	0.40	0.33	0.29	0.22	0.18	
	0.30		0.68	0.58	0.50	0.45	0.36	0.31	0.27	0.21	0.17	
	0.20		0.59	0.51	0.45	0.40	0.33	0.28	0.25	0.20	0.17	
0.50	0.50	0.20	0.78	0.65	0.55	0.48	0.38	0.35	0.27	0.21	0.17	
	0.30		0.66	0.56	0.49	0.43	0.35	0.29	0.25	0.20	0.16	
	0.20		0.58	0.50	0.43	0.39	0.32	0.27	0.24	0.19	0.16	
0.30	0.50	0.20	0.76	0.62	0.52	0.45	0.36	0.30	0.25	0.20	0.16	
	0.30		0.65	0.54	0.47	0.41	0.33	0.28	0.24	0.19	0.16	
	0.20		0.56	0.48	0.42	0.38	0.31	0.26	0.23	0.18	0.15	
0.00	0.00	0.00	0.45	0.37	0.32	0.28	0.23	0.19	0.16	0.13	0.11	
<p>Rating:999W 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 = 0.75								
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	0.17	0.18	0.19	0.20	0.21	0.22	0.22	0.23	0.23
	0.30		0.11	0.13	0.14	0.15	0.17	0.18	0.19	0.20	0.21
	0.20		0.07	0.09	0.10	0.12	0.14	0.15	0.16	0.18	0.19
0.50	0.50	0.20	0.16	0.17	0.18	0.19	0.20	0.21	0.21	0.22	0.22
	0.30		0.11	0.12	0.14	0.15	0.16	0.18	0.18	0.20	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.15	0.16	0.17	0.18
0.30	0.50	0.20	0.16	0.17	0.18	0.18	0.19	0.20	0.20	0.21	0.21
	0.30		0.11	0.12	0.13	0.14	0.16	0.17	0.18	0.19	0.20
	0.20		0.07	0.09	0.10	0.11	0.13	0.14	0.15	0.17	0.18
0.00	0.00	0.00	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02	0.02
<p>Rating:999W Photometrically tested without ceiling board. Multiply UF values by service correction factors Calculate in accordance with CIBSE Technical Memorandum NO.5 1980</p>											