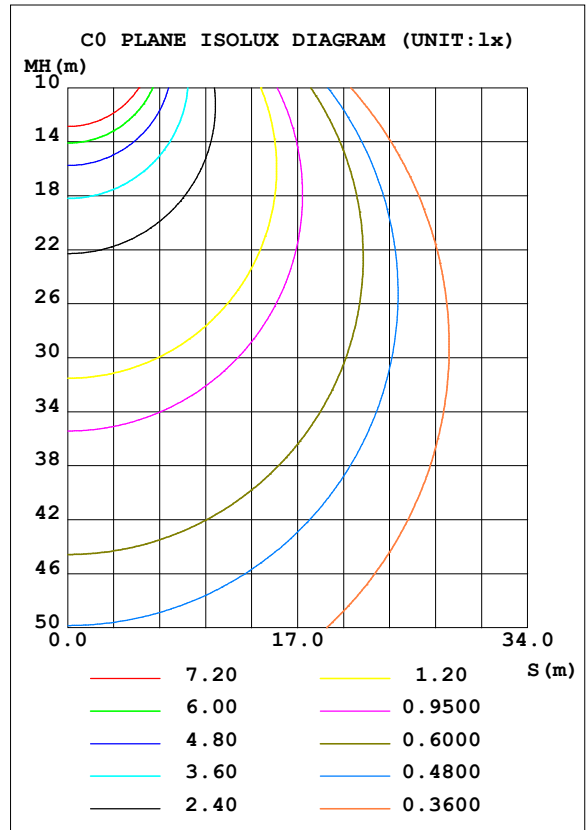
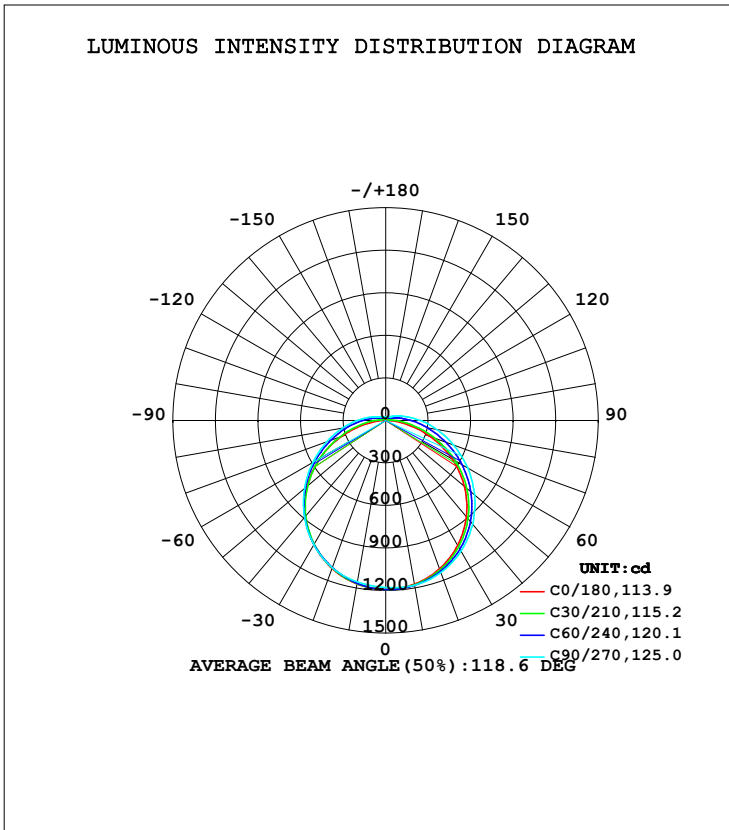


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 102.26 lm/W			
MODEL		I _{max} (cd)	1195	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	4121.0	η UP, DN (C0-180)	3.9, 47.8
NOMINAL FLUX (lm)	4121.03	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.4, 44.8
LAMPS INSIDE	1	η up (%)	7.3	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	92.7	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.750m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	1172	1179	1180	1177	1171	1168	1156	1169	0- 10	112.8	112.8	2.74,2.74
20	1113	1127	1141	1130	1110	1105	1105	1108	10- 20	324.5	437.3	10.6,10.6
30	1016	1039	1064	1050	1012	1010	1014	1011	20- 30	496.3	933.5	22.7,22.7
40	885.8	917.0	954.7	935.6	881.8	882.8	891.2	882.8	30- 40	606.6	1540	37.4,37.4
50	725.2	766.0	818.9	792.1	721.9	728.4	747.8	728.6	40- 50	641.8	2182	52.9,52.9
60	539.4	593.7	667.0	629.2	535.7	556.2	593.8	559.4	50- 60	599.7	2782	67.5,67.5
70	335.8	411.6	510.7	459.8	332.7	380.3	441.8	388.4	60- 70	491.4	3273	79.4,79.4
80	138.4	243.1	365.4	303.6	133.4	225.3	307.0	239.0	70- 80	343.6	3617	87.8,87.8
90	27.97	125.6	245.0	182.7	25.19	119.3	200.2	132.9	80- 90	202.1	3819	92.7,92.7
100	17.95	66.81	154.4	106.4	18.12	65.99	125.8	73.92	90-100	113.5	3932	95.4,95.4
110	15.34	40.65	94.05	62.71	16.92	42.32	76.82	46.36	100-110	65.60	3998	97,97
120	14.07	30.63	60.30	42.26	16.87	31.30	52.14	35.11	110-120	41.07	4039	98,98
130	14.15	26.20	42.86	32.20	17.32	26.23	40.14	29.89	120-130	28.33	4067	98.7,98.7
140	14.80	24.16	34.75	26.41	18.12	22.74	33.90	26.55	130-140	20.73	4088	99.2,99.2
150	16.27	22.66	29.91	22.87	19.10	20.94	28.52	23.67	140-150	15.04	4103	99.6,99.6
160	18.04	21.46	25.76	21.29	20.08	19.85	24.06	21.38	150-160	10.21	4113	99.8,99.8
170	19.72	20.68	22.31	20.07	20.66	19.86	20.33	20.27	160-170	5.915	4119	100,100
180	20.91	20.42	19.91	20.29	20.90	20.40	19.90	20.28	170-180	1.936	4121	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1861.6 lm

%lum = 45.2%
%lamp = 45.2%

Conical surface Flux(120deg): 2781.7 lm

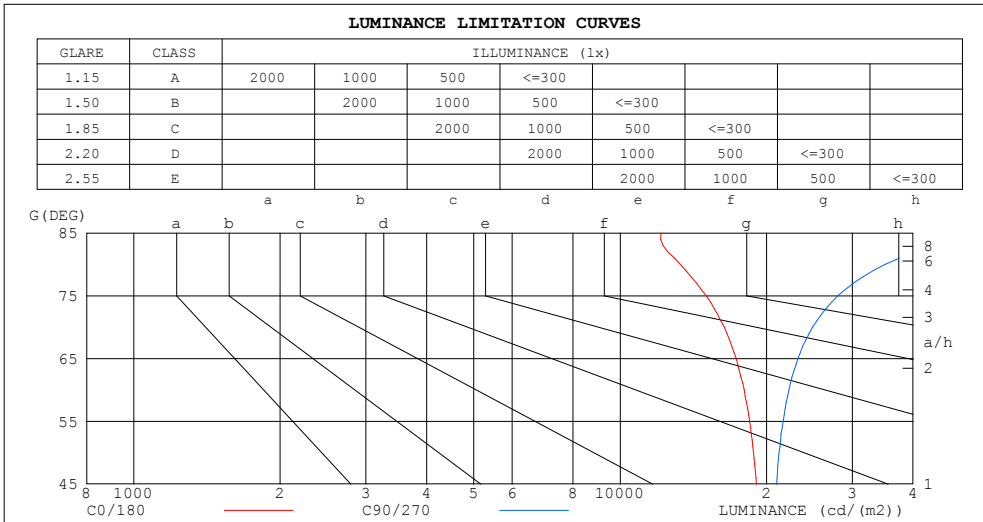
%lum = 67.5%
%lamp = 67.5%

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2024-01-09

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
Humidity:65.0%
Test Distance:7.750m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12136	57682
80	13283	35076
75	15010	28059
70	16364	24887
65	17316	23214
60	17979	22235
55	18457	21631
50	18804	21233
45	19065	20968

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity: 65.0%
 Test Distance: 7.750m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.350	.199	.063	.341	.194	.062	.323	.185	.059	.307	.177	.057	.292	.169	.055	
2.0	.314	.172	.053	.306	.168	.052	.290	.161	.050	.275	.155	.048	.262	.148	.047	
3.0	.284	.151	.045	.277	.148	.045	.263	.142	.043	.250	.137	.042	.237	.131	.041	
4.0	.259	.135	.040	.252	.132	.039	.239	.127	.038	.228	.122	.037	.217	.118	.036	
5.0	.237	.121	.035	.231	.119	.035	.220	.114	.034	.209	.110	.033	.199	.106	.032	
6.0	.219	.110	.031	.213	.108	.031	.203	.104	.030	.193	.100	.030	.184	.097	.029	
7.0	.202	.100	.028	.198	.098	.028	.188	.095	.027	.180	.092	.027	.171	.089	.026	
8.0	.188	.092	.026	.184	.091	.026	.175	.088	.025	.168	.085	.024	.160	.082	.024	
9.0	.176	.085	.024	.172	.084	.024	.164	.081	.023	.157	.079	.023	.150	.076	.022	
10.0	.165	.079	.022	.161	.078	.022	.154	.076	.021	.148	.073	.021	.141	.071	.020	

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.246	.246	.246	.211	.211	.211	.144	.144	.144	.083	.083	.083	.026	.026	.026	
1.0	.239	.212	.188	.205	.182	.161	.140	.125	.112	.081	.072	.065	.026	.023	.021	
2.0	.232	.189	.152	.199	.162	.131	.136	.112	.092	.079	.065	.054	.025	.021	.018	
3.0	.224	.171	.129	.192	.148	.112	.132	.103	.079	.076	.060	.046	.024	.019	.015	
4.0	.217	.158	.114	.186	.137	.099	.128	.095	.070	.074	.056	.041	.024	.018	.014	
5.0	.209	.148	.104	.179	.128	.090	.124	.090	.064	.072	.053	.038	.023	.017	.012	
6.0	.202	.140	.096	.173	.121	.084	.120	.085	.059	.069	.050	.035	.022	.016	.012	
7.0	.195	.133	.091	.167	.116	.079	.116	.081	.056	.067	.048	.033	.022	.016	.011	
8.0	.188	.128	.086	.162	.111	.075	.112	.078	.053	.065	.046	.032	.021	.015	.011	
9.0	.182	.123	.083	.157	.107	.072	.108	.075	.051	.063	.044	.031	.020	.015	.010	
10.0	.176	.119	.080	.152	.103	.070	.105	.072	.050	.061	.043	.030	.020	.014	.010	

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm										
NAME: LSL1 (仓库模组) 整灯 2700K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.: 革星					SUR.:48寸			Shielding Angle:		
ceiling/cavity	0.7	0.7	0.5	0.5	0.3	0.7	0.7	0.5	0.5	0.3
walls	0.5	0.3	0.5	0.3	0.3	0.5	0.3	0.5	0.3	0.3
working 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	17.5	19.0	17.9	19.4	19.7	18.3	19.8	18.7	20.2	20.5
3H	19.1	20.4	19.5	20.8	21.2	20.4	21.8	20.8	22.2	22.6
4H	19.7	21.0	20.1	21.3	21.8	21.5	22.8	22.0	23.2	23.6
6H	20.1	21.3	20.5	21.7	22.1	22.7	23.9	23.2	24.3	24.8
8H	20.2	21.4	20.7	21.8	22.3	23.3	24.5	23.8	24.9	25.4
12H	20.3	21.4	20.8	21.9	22.3	24.1	25.2	24.5	25.6	26.1
4H 2H	18.3	19.6	18.7	20.0	20.4	18.9	20.2	19.3	20.6	21.0
3H	20.0	21.1	20.5	21.6	22.0	21.2	22.3	21.7	22.8	23.2
4H	20.7	21.8	21.2	22.2	22.7	22.5	23.5	23.0	24.0	24.5
6H	21.3	22.2	21.8	22.7	23.2	23.8	24.8	24.3	25.2	25.8
8H	21.5	22.4	22.0	22.9	23.4	24.6	25.4	25.1	25.9	26.5
12H	21.6	22.4	22.2	22.9	23.5	25.4	26.2	26.0	26.7	27.3
8H 4H	21.2	22.1	21.8	22.6	23.2	22.7	23.6	23.3	24.1	24.6
6H	22.0	22.7	22.6	23.3	23.9	24.3	25.1	24.9	25.6	26.2
8H	22.3	23.0	22.9	23.5	24.1	25.3	25.9	25.8	26.5	27.1
12H	22.6	23.2	23.2	23.7	24.4	26.4	26.9	26.9	27.5	28.1
12H 4H	21.4	22.2	21.9	22.7	23.3	22.7	23.5	23.3	24.1	24.6
6H	22.3	22.9	22.8	23.5	24.1	24.4	25.1	25.0	25.6	26.2
8H	22.7	23.2	23.2	23.8	24.4	25.4	26.0	26.0	26.6	27.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				

CIE Pub.117, 4121 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 4.9)

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

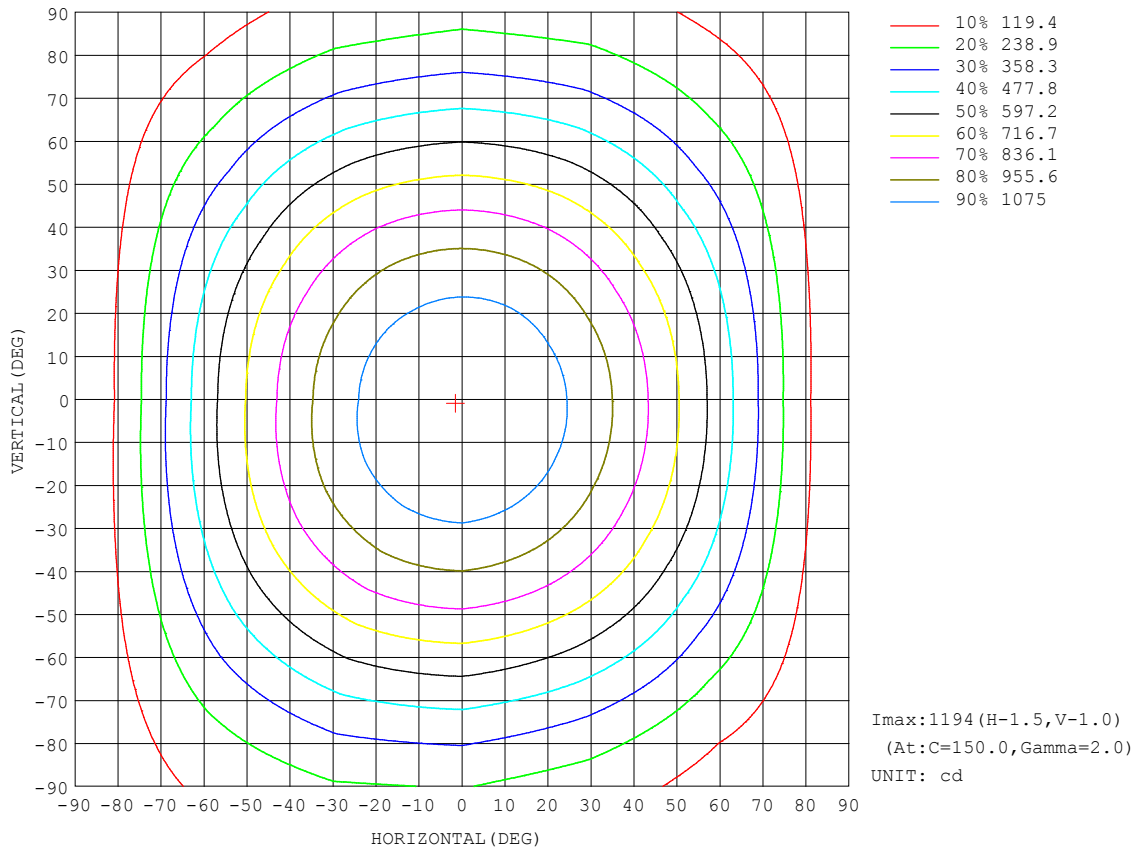
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	50	43	61	50	42	59	49	42	35
1.00	71	59	51	69	58	51	67	59	50	42
1.25	78	66	58	76	65	58	73	63	57	48
1.50	83	72	64	81	71	63	77	68	62	53
2.00	90	80	73	88	79	72	83	76	70	60
2.50	94	85	78	92	83	77	87	80	74	64
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	90	99	93	88	94	89	84	73
5.00	105	99	94	102	96	92	96	92	88	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

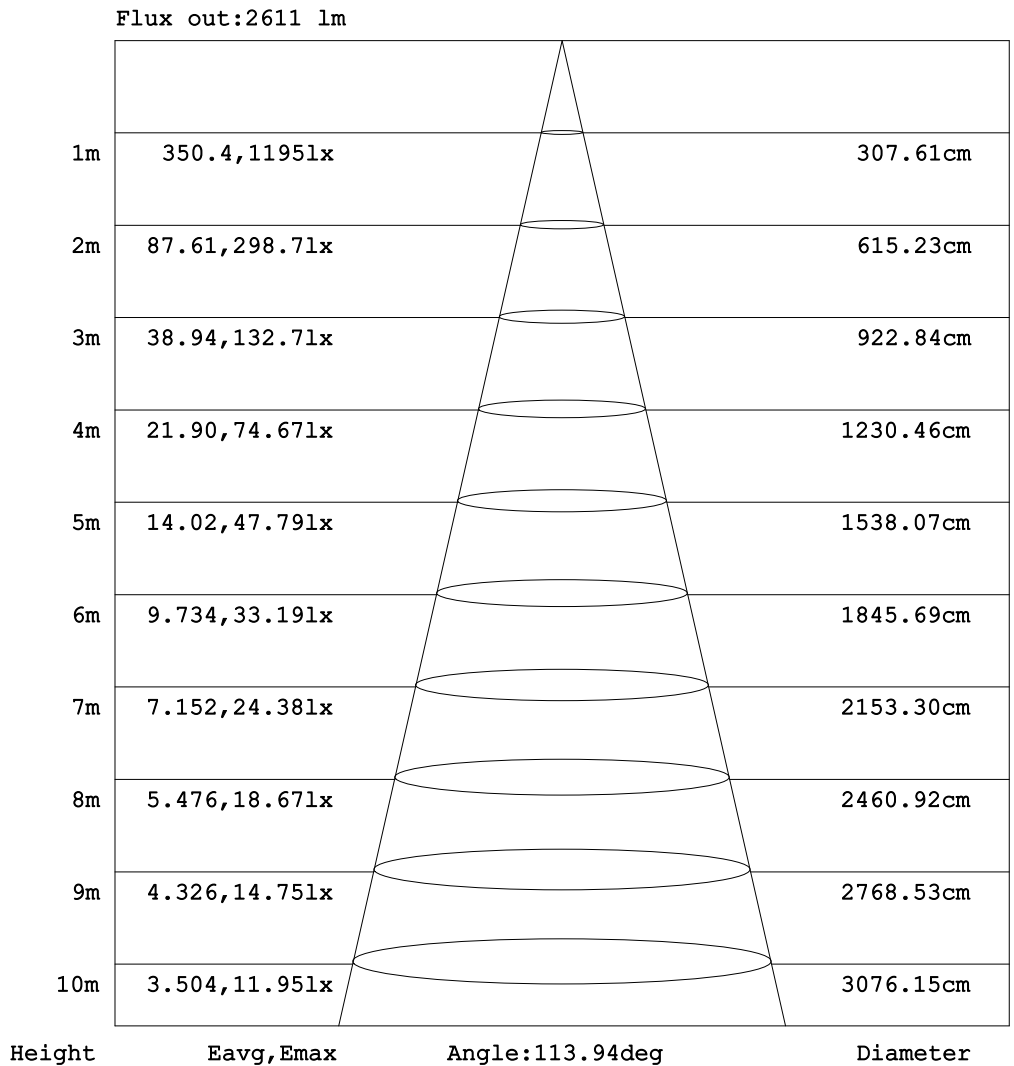


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

AAI Figure

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

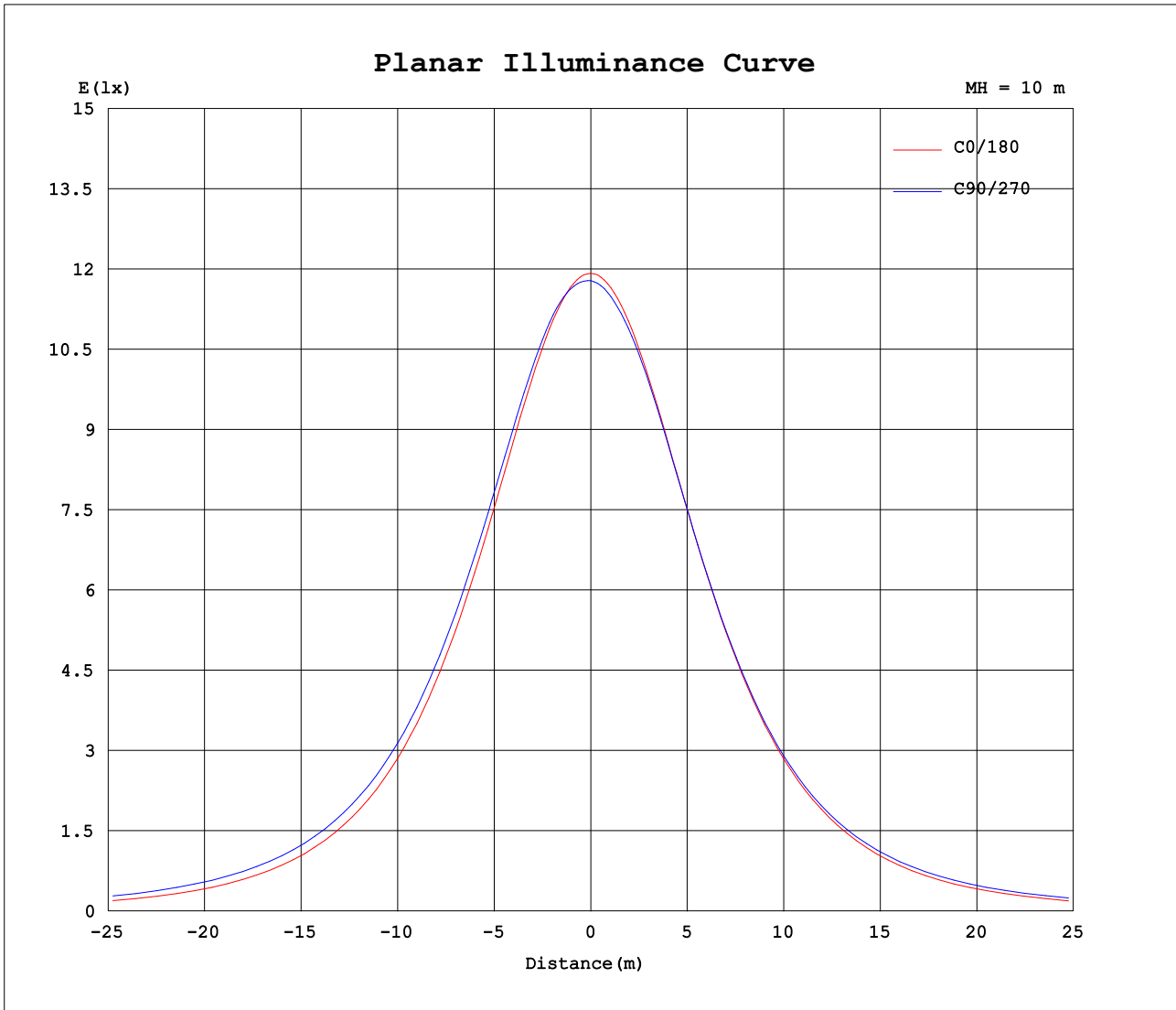


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.6V I:0.3390A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4121.03x1 lm		
NAME: LSL1 (仓库模组) 整灯 2700K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330							
0	1192	1193	1193	1178	1193	1195	1192	1193	1193	1178	1193	1195							
5	1187	1190	1191	1182	1188	1192	1186	1186	1185	1170	1186	1187							
10	1172	1177	1180	1180	1175	1180	1171	1169	1166	1156	1169	1170							
15	1147	1154	1160	1166	1156	1159	1145	1143	1138	1135	1143	1143							
20	1113	1121	1132	1141	1132	1128	1110	1107	1103	1105	1108	1107							
25	1069	1080	1094	1106	1100	1088	1066	1062	1062	1064	1065	1063							
30	1016	1029	1048	1064	1059	1040	1012	1008	1012	1014	1013	1009							
35	955	970	993	1013	1008	985	951	947	954	956	953	948							
40	886	903	931	955	949	922	882	878	888	891	887	878							
45	809	829	861	890	883	851	805	801	816	822	815	802							
50	725	747	785	819	811	773	722	718	739	748	738	719							
55	635	660	704	744	735	690	632	630	658	672	659	632							
60	539	567	621	667	657	602	536	537	576	594	578	541							
65	439	469	536	589	577	512	436	442	493	516	497	448							
70	336	371	452	511	497	422	333	347	413	442	419	358							
75	233	276	372	436	421	336	229	258	338	372	346	273							
80	138	188	298	365	349	258	133	180	271	307	280	198							
85	63.5	119	233	302	285	190	58.5	118	211	250	220	138							
90	28.0	72.1	179	245	228	137	25.2	76.0	163	200	172	93.4							
95	20.9	46.1	136	195	180	98.7	20.0	51.5	125	159	133	64.9							
100	17.9	31.5	102	154	142	71.0	18.1	36.8	95.2	126	103	44.8							
105	16.3	25.6	75.4	122	110	52.6	17.3	30.6	71.1	97.6	77.6	36.1							
110	15.3	23.0	58.3	94.1	83.6	41.8	16.9	27.3	57.4	76.8	61.8	30.9							
115	14.5	21.7	47.6	74.4	67.0	34.9	16.8	24.9	47.4	62.5	51.0	28.2							
120	14.1	21.0	40.3	60.3	54.9	29.6	16.9	22.7	39.8	52.1	43.6	26.7							
125	14.0	20.4	35.5	50.0	46.2	26.3	17.0	21.6	35.6	45.0	38.7	25.5							
130	14.2	20.0	32.4	42.9	40.2	24.2	17.3	20.7	31.8	40.1	35.4	24.4							
135	14.4	19.7	30.3	38.0	35.0	22.8	17.7	19.9	28.8	36.7	32.8	23.5							
140	14.8	19.7	28.7	34.7	31.1	21.7	18.1	19.2	26.2	33.9	30.5	22.6							
145	15.5	19.7	27.1	32.2	27.8	20.7	18.6	19.1	24.3	31.2	28.3	21.8							
150	16.3	19.6	25.7	29.9	25.4	20.4	19.1	19.1	22.8	28.5	26.2	21.1							
155	17.1	19.7	24.4	27.8	23.3	20.4	19.6	19.2	21.3	26.3	24.2	20.5							
160	18.0	19.8	23.1	25.8	22.2	20.4	20.1	19.5	20.2	24.1	22.5	20.3							
165	18.9	20.0	22.0	23.9	20.8	20.4	20.4	19.8	19.5	22.3	21.1	20.2							
170	19.7	20.3	21.0	22.3	19.8	20.3	20.7	20.1	19.6	20.3	20.3	20.2							
175	20.4	20.6	20.6	21.0	19.4	20.6	20.8	20.4	19.7	18.9	19.8	20.4							
180	20.9	20.7	20.2	19.9	19.8	20.7	20.9	20.7	20.2	19.9	19.8	20.7							

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.362
 Humidity:65.0%
 Test Distance:7.750m [K=1.0000]
 Remarks: