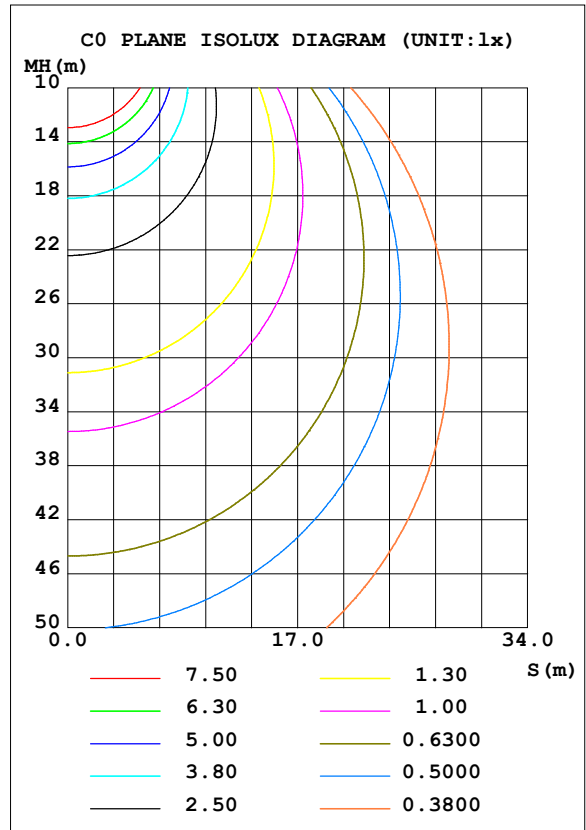
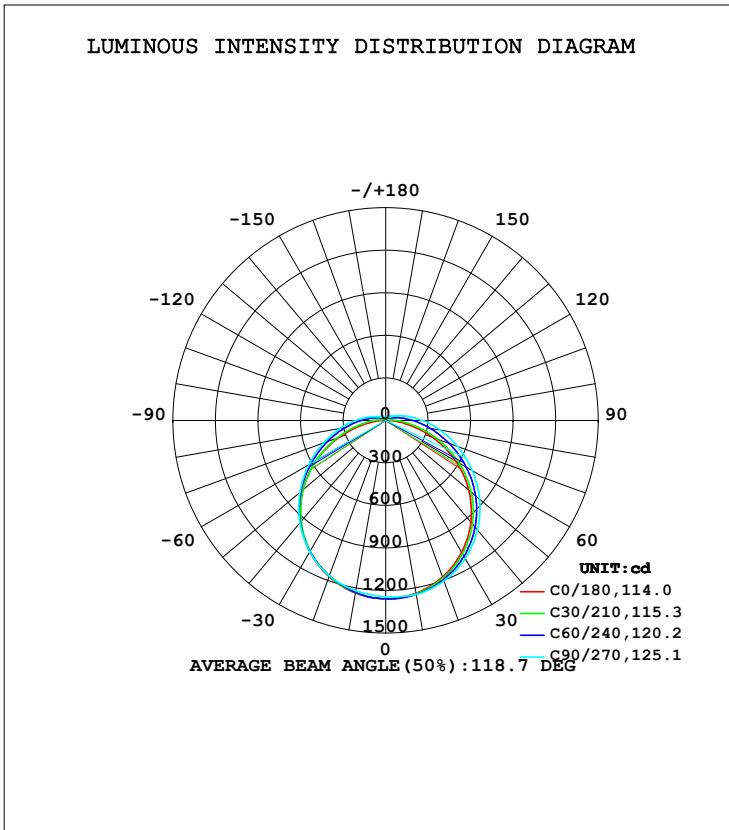


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.14 lm/W			
MODEL		I _{max} (cd)	1261	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	4357.9	η UP, DN (C0-180)	4.0, 47.8
NOMINAL FLUX (lm)	4357.86	CIE CLASS	DIRECT	η UP, DN (C180-360)	3.4, 44.8
LAMPS INSIDE	1	η up (%)	7.4	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)		η down (%)	92.6	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	1237	1243	1245	1243	1236	1232	1219	1234	0- 10	119.0	119.0	2.73,2.73
20	1175	1189	1204	1192	1172	1167	1166	1169	10- 20	342.4	461.4	10.6,10.6
30	1073	1096	1123	1108	1069	1067	1070	1067	20- 30	523.8	985.3	22.6,22.6
40	934.8	967.2	1008	988.0	931.7	932.6	940.8	931.7	30- 40	640.4	1626	37.3,37.3
50	765.4	808.4	864.3	836.8	762.8	770.4	789.8	769.7	40- 50	677.7	2303	52.9,52.9
60	569.2	626.6	704.6	664.8	566.4	588.1	627.6	590.8	50- 60	633.5	2937	67.4,67.4
70	354.5	434.7	540.4	486.5	351.2	403.2	467.9	411.4	60- 70	519.5	3456	79.3,79.3
80	146.2	257.5	387.9	322.0	140.8	239.5	326.1	253.7	70- 80	363.9	3820	87.7,87.7
90	29.77	133.6	260.5	194.5	26.74	127.5	213.6	141.6	80- 90	214.8	4035	92.6,92.6
100	19.07	71.40	165.0	113.6	19.13	70.78	134.6	79.08	90-100	121.1	4156	95.4,95.4
110	16.32	43.48	100.6	67.09	17.86	45.35	82.27	49.63	100-110	70.18	4226	97,97
120	14.98	32.77	64.78	45.23	17.81	33.46	55.88	37.55	110-120	43.95	4270	98,98
130	15.07	28.01	45.97	34.44	18.29	27.93	42.96	31.90	120-130	30.28	4301	98.7,98.7
140	15.75	25.76	37.20	28.13	19.14	24.20	36.21	28.30	130-140	22.11	4323	99.2,99.2
150	17.29	24.12	31.94	24.33	20.21	22.22	30.44	25.18	140-150	16.01	4339	99.6,99.6
160	19.16	22.81	27.44	22.63	21.29	21.06	25.62	22.70	150-160	10.86	4350	99.8,99.8
170	20.91	21.92	23.69	21.29	21.87	21.04	21.58	21.51	160-170	6.277	4356	100,100
180	22.14	21.62	21.07	21.50	22.14	21.62	21.08	21.51	170-180	2.052	4358	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1965 lm

%lum = 45.1%
%lamp = 45.1%

Conical surface Flux(120deg): 2936.9 lm

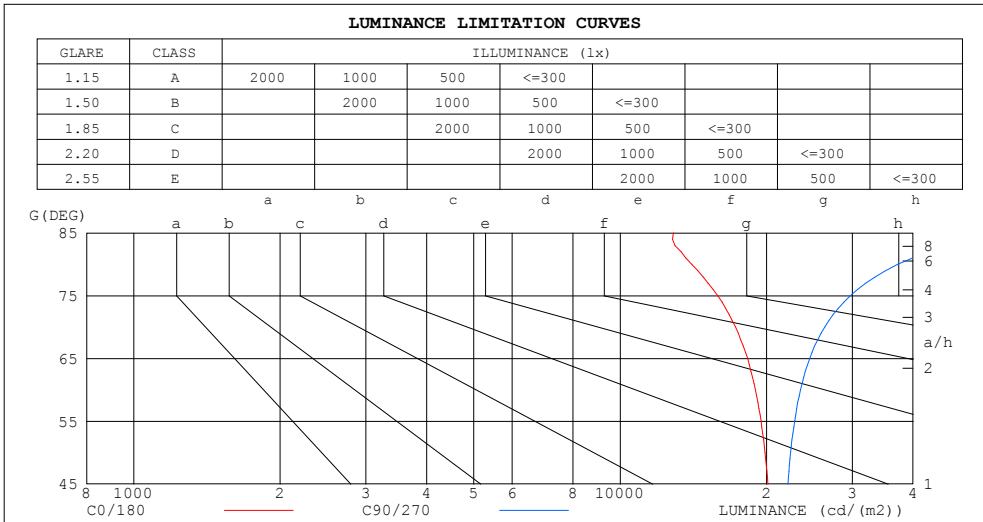
%lum = 67.4%
%lamp = 67.4%

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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12863	61240
80	14034	37227
75	15850	29741
70	17273	26335
65	18279	24533
60	18975	23487
55	19478	22839
50	19847	22410
45	20126	22128

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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm														
NAME: LSL1 (仓库模组) 整灯 5000K							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	.276	.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	.179	.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	.247	.247	.247	.211	.211	.211	.144	.144	.144	.083	.083	.083	.026	.026	.026	
1.0	.240	.213	.188	.205	.183	.162	.140	.126	.112	.081	.073	.065	.026	.023	.021	
2.0	.233	.189	.153	.199	.163	.132	.136	.113	.092	.079	.066	.054	.025	.021	.018	
3.0	.225	.172	.130	.193	.148	.113	.132	.103	.079	.076	.060	.047	.025	.020	.015	
4.0	.217	.159	.115	.186	.137	.100	.128	.096	.070	.074	.056	.042	.024	.018	.014	
5.0	.209	.149	.104	.180	.129	.091	.124	.090	.064	.072	.053	.038	.023	.017	.013	
6.0	.202	.141	.097	.174	.122	.084	.120	.085	.060	.070	.050	.035	.022	.016	.012	
7.0	.195	.134	.091	.168	.116	.079	.116	.081	.056	.067	.048	.033	.022	.016	.011	
8.0	.189	.128	.087	.162	.111	.076	.112	.078	.054	.065	.046	.032	.021	.015	.011	
9.0	.182	.123	.084	.157	.107	.073	.109	.075	.052	.063	.044	.031	.021	.015	.010	
10.0	.177	.119	.081	.152	.103	.071	.106	.073	.050	.062	.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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm										
NAME: LSL1 (仓库模组) 整灯 5000K					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	19.3	19.7	18.3	19.8	18.7	20.1	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	20.9	20.1	21.3	21.7	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	22.2	23.4	24.5	23.8	24.9	25.4
12H	20.3	21.4	20.7	21.8	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	20.4	21.5	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	22.3	22.0	22.8	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	26.8	27.3
8H 4H	21.2	22.1	21.8	22.6	23.1	22.7	23.6	23.3	24.1	24.7
6H	22.0	22.7	22.6	23.3	23.8	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	23.1	23.2	23.7	24.4	26.4	26.9	27.0	27.5	28.1
12H 4H	21.4	22.2	21.9	22.7	23.2	22.7	23.5	23.3	24.1	24.6
6H	22.2	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, 4358 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 5.1)

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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

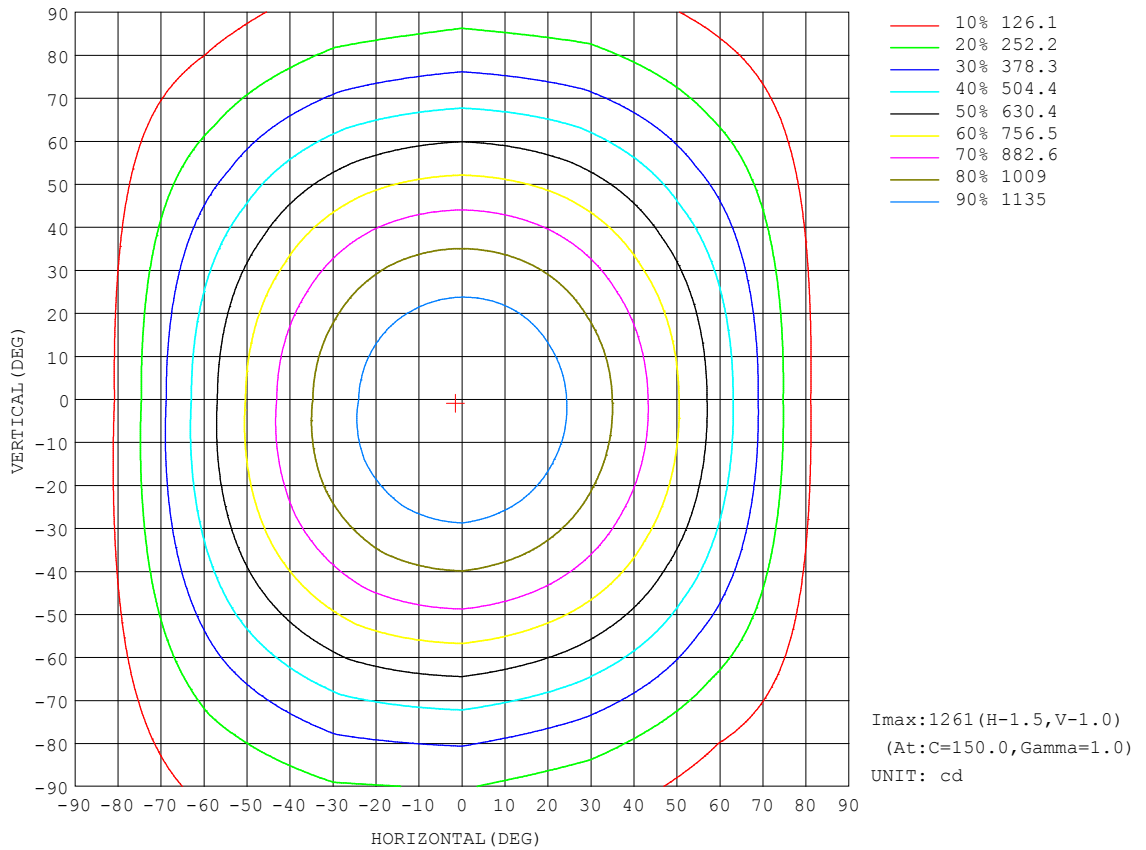
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	33	27
0.80	63	50	43	61	50	42	59	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	91	83	77	87	80	74	64
3.00	98	90	83	95	88	82	90	84	79	68
4.00	102	95	89	99	93	88	93	88	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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

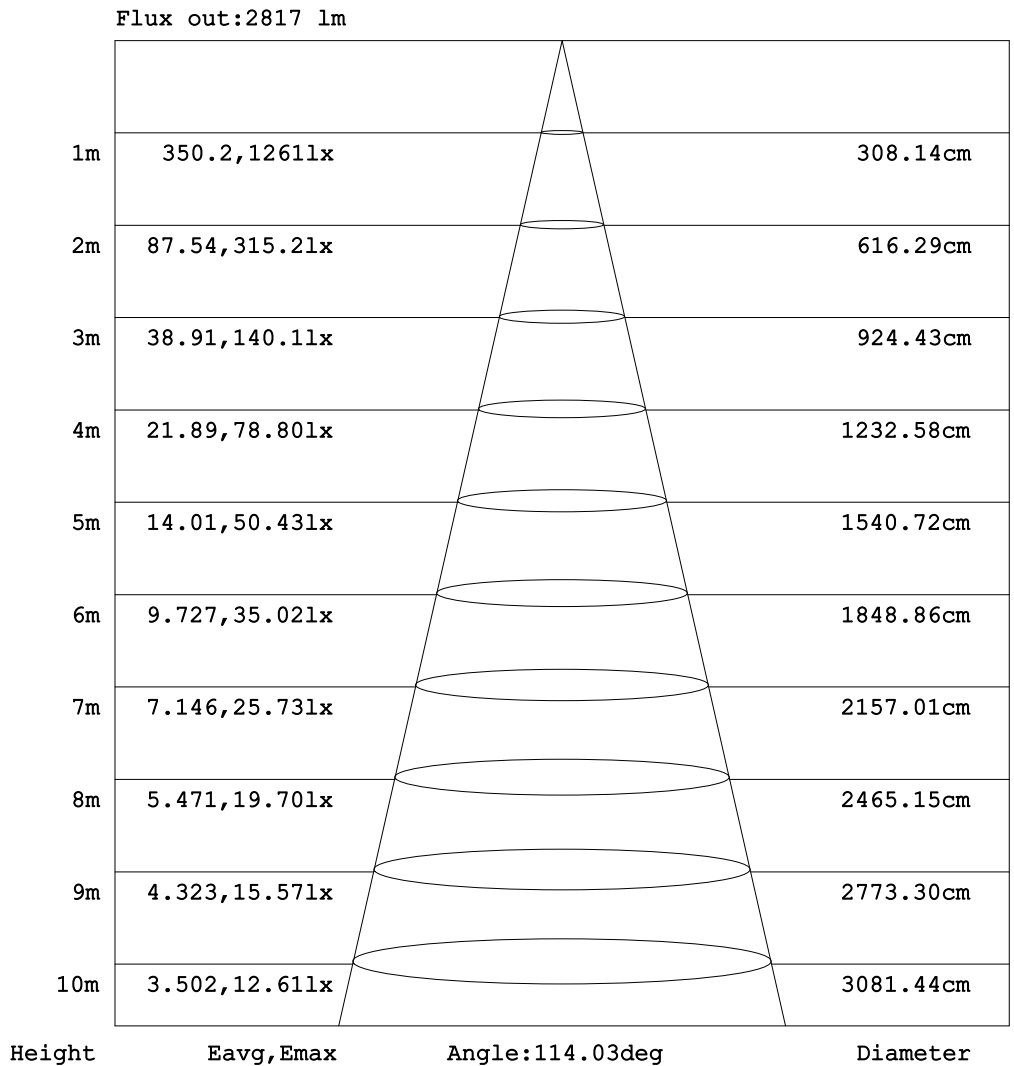


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

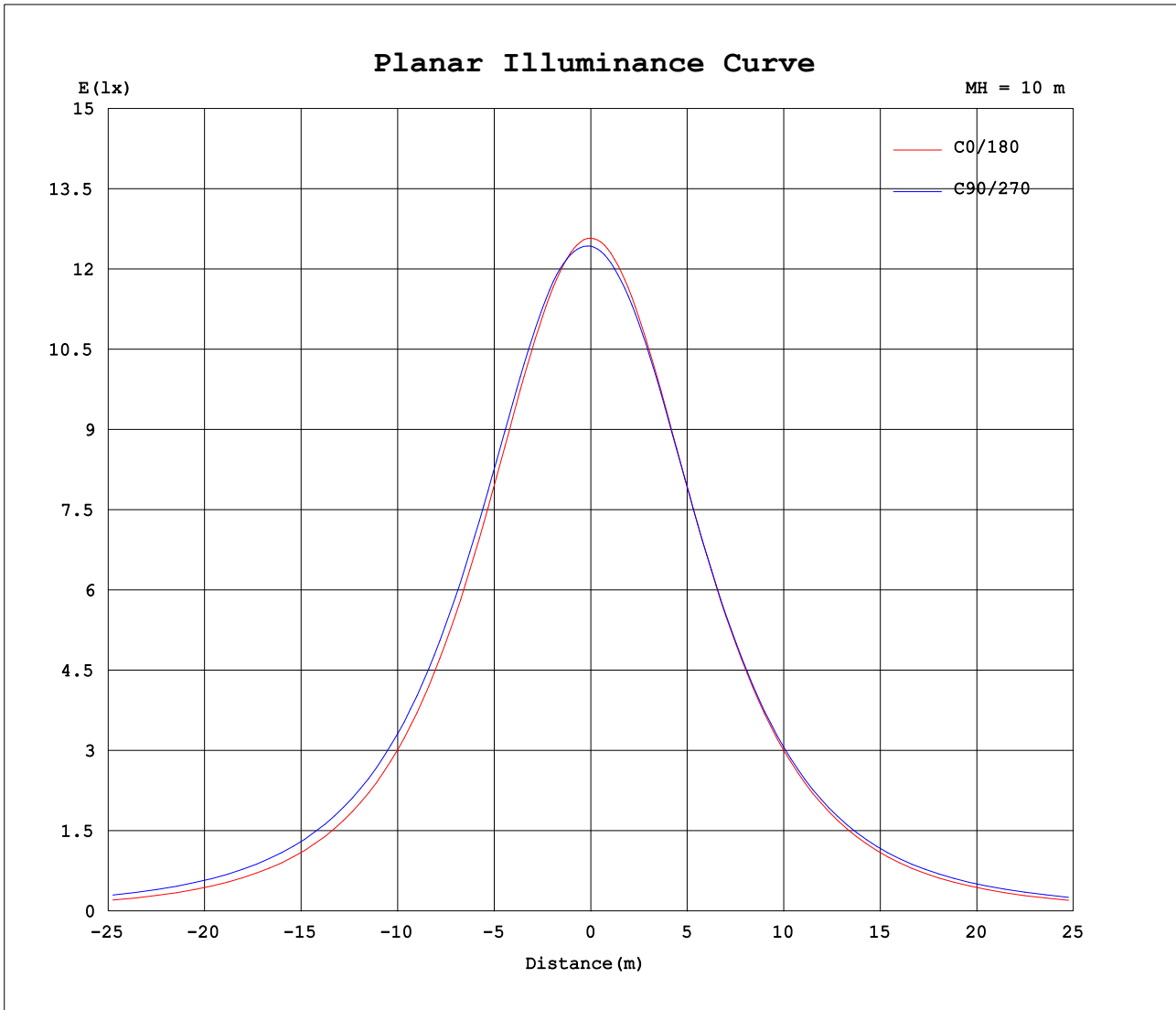


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3380A P:40.30W PF:0.9880 Freq:60.00Hz Lamp Flux:4357.86x1 lm		
NAME: LSL1 (仓库模组) 整灯 5000K	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	1258	1258	1259	1243	1259	1261	1258	1258	1259	1243	1259	1261							
5	1253	1255	1257	1247	1254	1259	1252	1251	1250	1234	1251	1253							
10	1237	1241	1245	1245	1239	1246	1236	1234	1231	1219	1234	1235							
15	1211	1217	1224	1231	1220	1223	1209	1206	1202	1198	1207	1207							
20	1175	1183	1194	1204	1194	1191	1172	1168	1165	1166	1169	1169							
25	1128	1139	1155	1168	1161	1149	1125	1121	1121	1123	1124	1122							
30	1073	1085	1106	1123	1118	1098	1069	1065	1068	1070	1069	1066							
35	1008	1023	1048	1069	1065	1040	1004	1000	1007	1009	1006	1001							
40	935	953	982	1008	1003	973	932	927	938	941	936	927							
45	854	874	908	939	933	898	850	847	862	868	860	847							
50	765	788	829	864	857	816	763	759	782	790	780	759							
55	670	696	744	786	777	728	668	666	696	709	696	667							
60	569	597	656	705	694	635	566	568	609	628	610	571							
65	463	495	566	622	610	540	460	468	522	546	526	474							
70	354	391	478	540	526	447	351	368	438	468	444	379							
75	246	291	394	462	446	356	242	274	359	394	367	289							
80	146	199	316	388	371	273	141	191	288	326	297	210							
85	67.3	126	248	320	303	202	62.1	126	225	266	235	147							
90	29.8	76.7	191	260	243	146	26.7	81.2	174	214	183	99.7							
95	22.2	49.0	145	208	193	105	21.2	55.1	134	170	142	69.4							
100	19.1	33.6	109	165	151	75.8	19.1	39.4	102	135	110	47.8							
105	17.3	27.3	80.7	130	117	56.2	18.3	32.7	76.4	105	83.1	38.6							
110	16.3	24.5	62.4	101	89.6	44.6	17.9	29.1	61.6	82.3	66.2	33.0							
115	15.5	23.1	51.0	79.9	71.9	37.1	17.7	26.5	50.8	67.0	54.7	30.1							
120	15.0	22.4	43.2	64.8	58.9	31.6	17.8	24.2	42.7	55.9	46.7	28.4							
125	14.9	21.8	38.0	53.7	49.6	28.0	18.0	22.9	38.1	48.2	41.4	27.1							
130	15.1	21.4	34.6	46.0	43.1	25.8	18.3	21.9	33.9	43.0	37.8	26.0							
135	15.3	21.0	32.0	40.7	37.4	24.3	18.7	21.1	30.7	39.3	35.1	25.0							
140	15.7	20.9	30.6	37.2	33.2	23.1	19.1	20.4	28.0	36.2	32.6	24.0							
145	16.4	20.9	28.9	34.5	29.6	22.0	19.6	20.2	25.8	33.1	30.2	23.2							
150	17.3	20.9	27.4	31.9	27.0	21.7	20.2	20.2	24.2	30.4	27.9	22.4							
155	18.2	20.9	25.9	29.6	24.8	21.6	20.8	20.3	22.7	27.9	25.8	21.8							
160	19.2	21.0	24.6	27.4	23.6	21.7	21.3	20.7	21.5	25.6	23.9	21.5							
165	20.1	21.2	23.4	25.5	22.1	21.7	21.6	21.0	20.6	23.6	22.4	21.5							
170	20.9	21.5	22.3	23.7	21.0	21.6	21.9	21.3	20.8	21.6	21.5	21.5							
175	21.6	21.8	21.8	22.2	20.6	21.8	22.1	21.6	20.9	20.0	21.0	21.7							
180	22.1	21.9	21.4	21.1	21.0	22.0	22.1	21.9	21.4	21.1	21.0	22.0							

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: