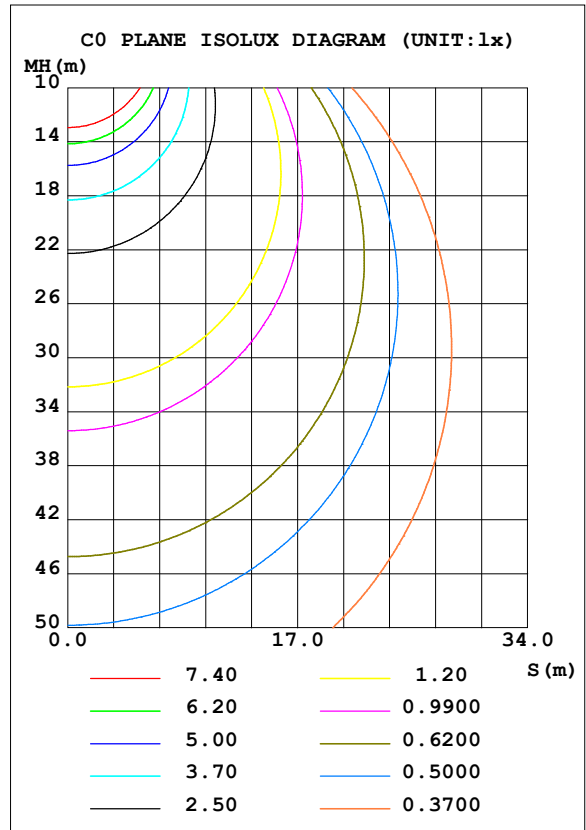
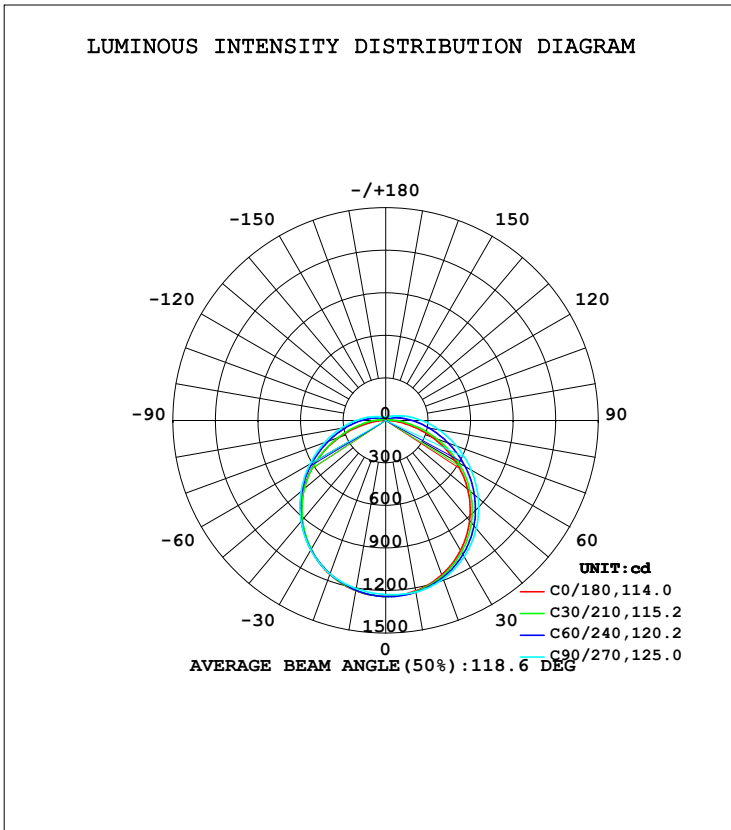


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.6V I:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.17 lm/W			
MODEL		I _{max} (cd)	1245	S/MH (C0/180)	1.26
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)		TOTAL FLUX (lm)	4294.4	η UP, DN (C0-180)	3.9, 47.8
NOMINAL FLUX (lm)	4294.37	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	1220	1227	1229	1227	1219	1216	1204	1219	0- 10	117.4	117.4	2.73,2.73
20	1159	1173	1188	1177	1156	1151	1151	1154	10- 20	338.0	455.4	10.6,10.6
30	1058	1081	1109	1094	1054	1052	1056	1054	20- 30	516.9	972.4	22.6,22.6
40	922.1	954.7	994.1	975.0	918.1	919.6	928.5	920.0	30- 40	631.9	1604	37.4,37.4
50	754.9	797.6	852.9	825.8	751.0	759.0	779.3	759.6	40- 50	668.5	2273	52.9,52.9
60	561.5	618.2	695.2	656.1	558.4	579.8	618.7	583.0	50- 60	624.9	2898	67.5,67.5
70	349.5	428.5	532.5	479.4	346.1	396.5	460.5	405.4	60- 70	512.0	3410	79.4,79.4
80	144.2	253.2	381.2	316.9	138.6	235.0	320.2	249.6	70- 80	358.2	3768	87.7,87.7
90	29.22	130.8	255.4	190.7	26.29	124.6	209.0	138.8	80- 90	210.9	3979	92.7,92.7
100	18.72	69.64	161.3	111.1	18.85	68.99	131.3	77.32	90-100	118.5	4097	95.4,95.4
110	15.99	42.39	98.17	65.54	17.60	44.23	80.24	48.49	100-110	68.51	4166	97,97
120	14.67	31.94	63.11	44.16	17.56	32.71	54.49	36.71	110-120	42.91	4209	98,98
130	14.75	27.32	44.80	33.64	18.02	27.38	41.93	31.24	120-130	29.58	4238	98.7,98.7
140	15.43	25.18	36.31	27.58	18.85	23.75	35.40	27.73	130-140	21.64	4260	99.2,99.2
150	16.96	23.61	31.24	23.87	19.89	21.83	29.81	24.73	140-150	15.69	4276	99.6,99.6
160	18.79	22.37	26.87	22.21	20.90	20.70	25.11	22.31	150-160	10.65	4286	99.8,99.8
170	20.54	21.54	23.26	20.92	21.50	20.70	21.19	21.15	160-170	6.166	4292	100,100
180	21.77	21.27	20.73	21.15	21.75	21.26	20.75	21.16	170-180	2.018	4294	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 1939.1 lm

%lum = 45.2%

%lamp = 45.2%

Conical surface Flux(120deg): 2897.7 lm

%lum = 67.5%

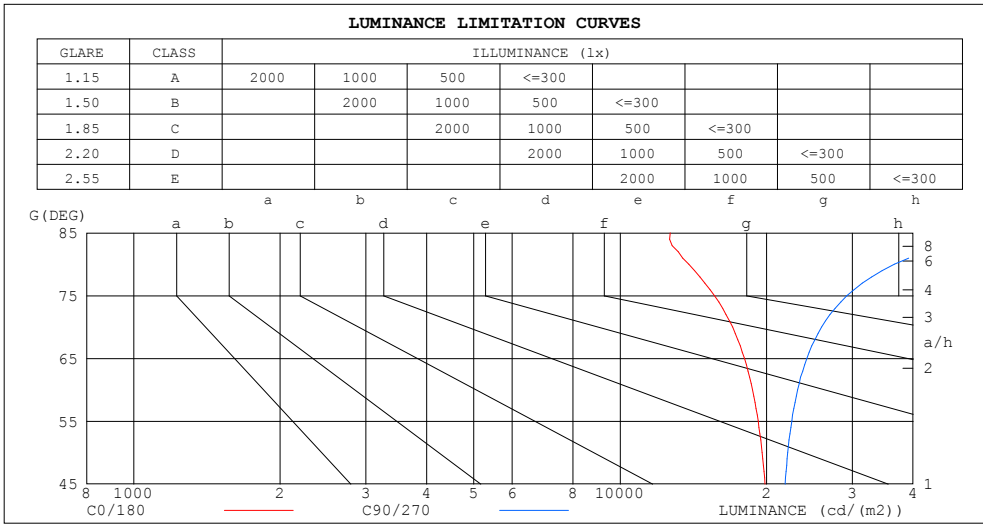
%lamp = 67.5%

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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.: 48寸	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12667	60133
80	13836	36586
75	15629	29260
70	17031	25948
65	18028	24206
60	18717	23172
55	19214	22527
50	19573	22114
45	19845	21828

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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm														
NAME: LSL1 (仓库模组) 整灯 3000K							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	.240	.212	.188	.205	.182	.161	.140	.125	.112	.081	.073	.065	.026	.023	.021	
2.0	.232	.189	.152	.199	.162	.132	.136	.112	.092	.079	.065	.054	.025	.021	.018	
3.0	.224	.172	.129	.192	.148	.112	.132	.103	.079	.076	.060	.046	.025	.019	.015	
4.0	.217	.159	.114	.186	.137	.099	.128	.096	.070	.074	.056	.041	.024	.018	.014	
5.0	.209	.148	.104	.180	.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	.134	.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	.109	.075	.051	.063	.044	.031	.020	.015	.010	
10.0	.176	.119	.080	.152	.103	.070	.105	.073	.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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm										
NAME: LSL1 (仓库模组) 整灯 3000K					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	21.0	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	22.3	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	22.9	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	23.1	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	23.1	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	23.2	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, 4294 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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

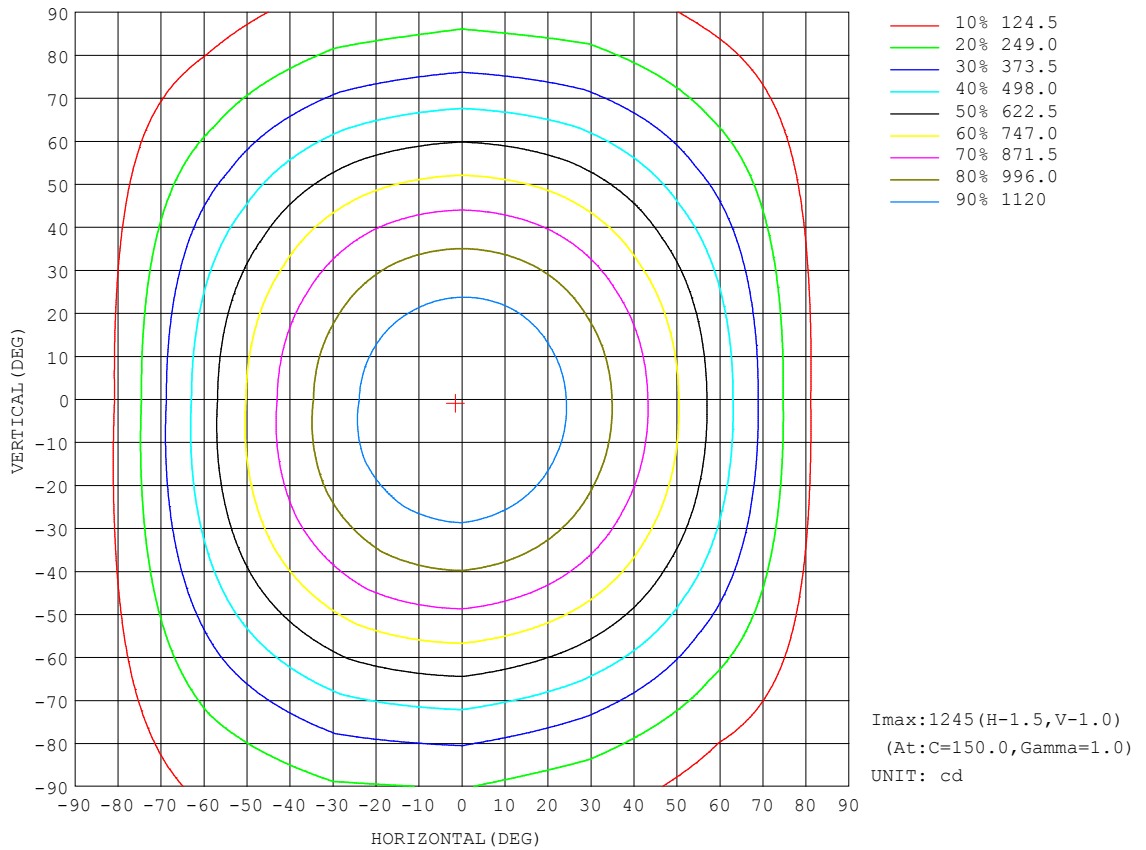
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	53	41	34	52	41	34	51	40	34	27
0.80	63	50	43	61	50	42	59	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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

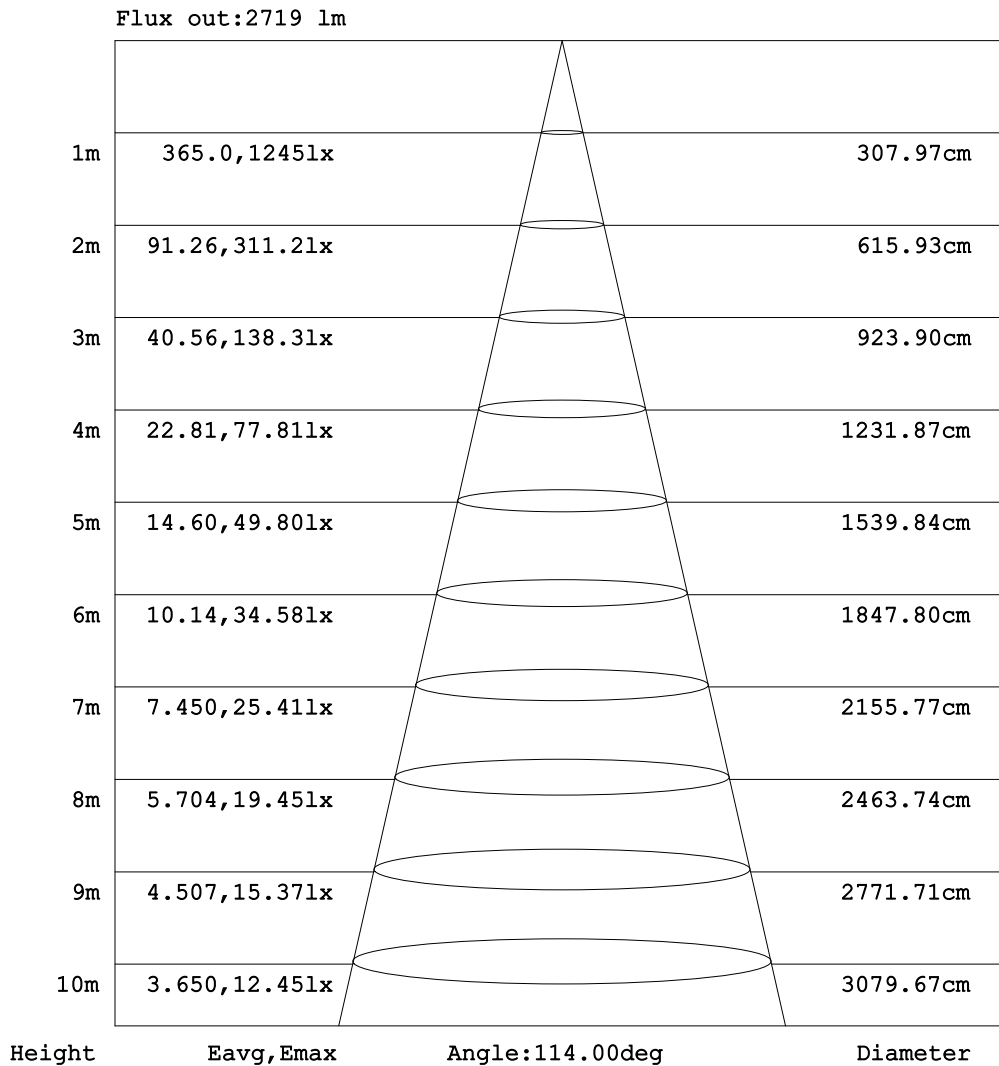


C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:
 Test Date:2024-01-09

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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: 革星	SUR.:48寸	Shielding Angle:

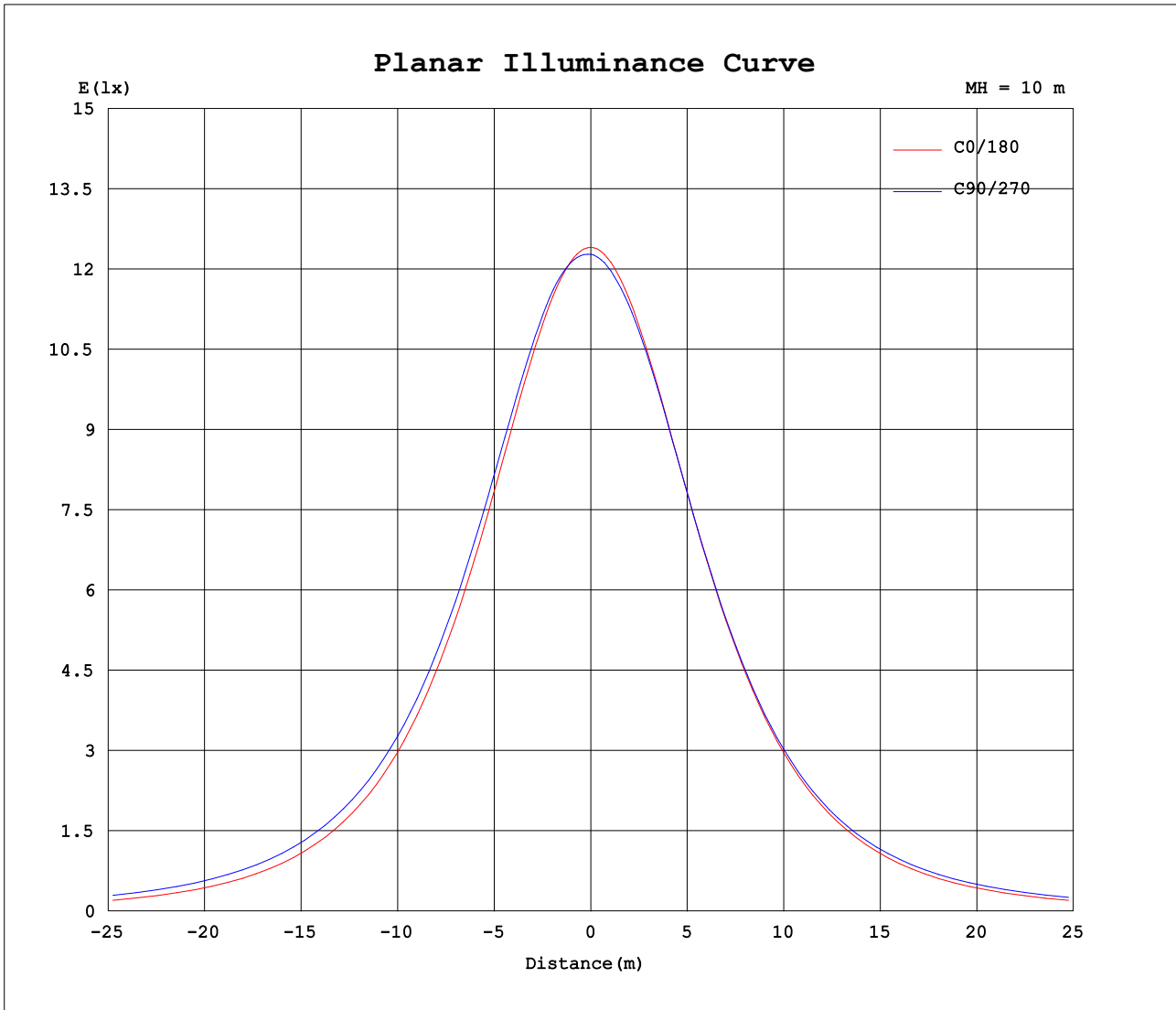


Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.3330A P:39.70W PF:0.9870 Freq:60.00Hz Lamp Flux:4294.37x1 lm		
NAME: LSL1 (仓库模组) 整灯 3000K	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	1241	1242	1242	1228	1243	1245	1241	1242	1242	1228	1243	1245							
5	1236	1238	1241	1231	1238	1243	1235	1234	1234	1219	1235	1237							
10	1220	1225	1229	1229	1224	1230	1219	1217	1215	1204	1218	1219							
15	1194	1201	1208	1214	1205	1208	1192	1190	1186	1183	1191	1192							
20	1159	1167	1179	1188	1179	1175	1156	1152	1150	1151	1155	1154							
25	1113	1124	1139	1153	1146	1134	1109	1105	1106	1108	1109	1107							
30	1058	1071	1091	1109	1103	1085	1054	1050	1054	1056	1056	1052							
35	994	1010	1034	1055	1051	1027	990	986	994	996	993	988							
40	922	940	969	994	990	961	918	914	926	929	925	915							
45	842	863	896	926	921	887	838	835	850	856	849	836							
50	755	778	817	853	846	806	751	748	770	779	770	749							
55	661	687	733	775	766	719	658	656	686	699	687	658							
60	562	590	646	695	685	628	558	559	600	619	602	564							
65	457	489	558	614	601	534	454	460	514	538	519	467							
70	349	386	471	532	518	440	346	362	431	461	437	373							
75	243	287	387	454	439	351	239	269	353	387	361	285							
80	144	196	310	381	364	270	139	187	283	320	292	207							
85	66.2	124	243	314	297	198	61.2	123	220	260	231	144							
90	29.2	75.1	186	255	238	143	26.3	79.3	170	209	180	97.7							
95	21.8	48.0	142	203	188	103	20.9	53.7	130	166	139	67.9							
100	18.7	32.8	107	161	148	74.3	18.9	38.4	99.6	131	108	46.8							
105	17.0	26.6	78.6	127	114	55.0	18.0	32.0	74.3	102	81.0	37.8							
110	16.0	24.0	60.8	98.2	87.4	43.7	17.6	28.5	60.0	80.2	64.6	32.3							
115	15.1	22.6	49.7	78.0	70.0	36.4	17.5	26.0	49.5	65.3	53.3	29.5							
120	14.7	21.8	42.0	63.1	57.4	31.0	17.6	23.7	41.7	54.5	45.6	27.9							
125	14.6	21.3	37.0	52.3	48.3	27.5	17.7	22.5	37.2	47.0	40.4	26.6							
130	14.7	20.9	33.8	44.8	42.0	25.3	18.0	21.6	33.2	41.9	37.0	25.5							
135	15.0	20.6	31.6	39.7	36.6	23.8	18.4	20.8	30.1	38.4	34.3	24.5							
140	15.4	20.5	29.9	36.3	32.5	22.6	18.9	20.1	27.5	35.4	31.9	23.6							
145	16.1	20.5	28.3	33.6	29.0	21.6	19.3	19.9	25.4	32.4	29.6	22.8							
150	17.0	20.4	26.8	31.2	26.5	21.3	19.9	19.9	23.8	29.8	27.4	22.0							
155	17.9	20.5	25.4	29.0	24.3	21.2	20.4	20.0	22.3	27.4	25.3	21.4							
160	18.8	20.6	24.1	26.9	23.2	21.3	20.9	20.3	21.1	25.1	23.5	21.2							
165	19.7	20.8	23.0	25.0	21.7	21.3	21.3	20.6	20.3	23.2	22.0	21.1							
170	20.5	21.2	21.9	23.3	20.6	21.2	21.5	21.0	20.4	21.2	21.2	21.1							
175	21.3	21.4	21.4	21.8	20.2	21.5	21.7	21.3	20.6	19.7	20.7	21.3							
180	21.8	21.5	21.0	20.7	20.7	21.6	21.7	21.5	21.0	20.7	20.7	21.6							

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: