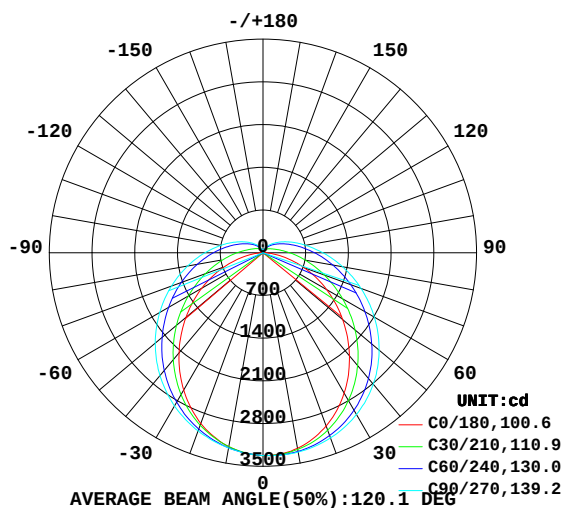


LUMINAIRE PHOTOMETRIC TEST REPORT

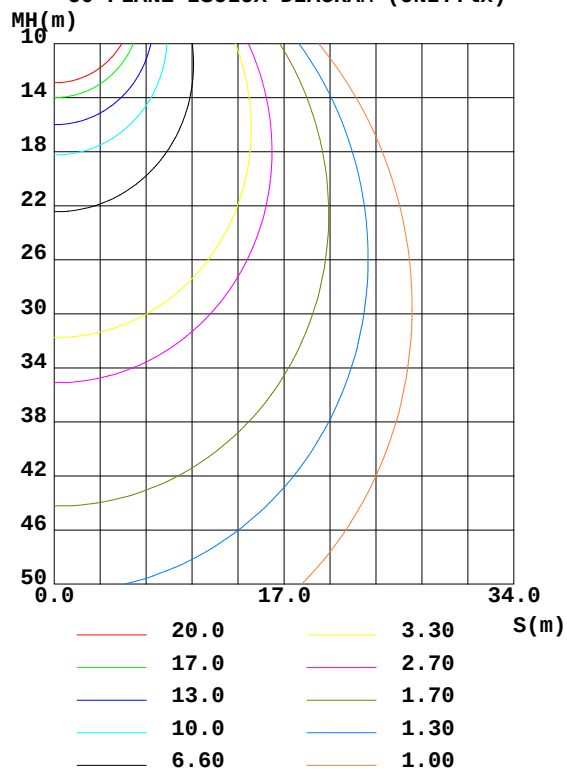
Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 143.16 lm/W			
MODEL	J-ST04-8FT-90MDNC	I _{max} (cd)	3328	S/MH(C0/180)	1.17
NOMINAL POWER(W)	90	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	12482	η UP, DN(C0-180)	6.2, 45.0
NOMINAL FLUX(lm)	12482.1	CIE CLASS	SEMI-D.	η UP, DN(C180-360)	6.1, 42.8
LAMPS INSIDE	1	η up(%)	12.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	87.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity:41.1%
Test Distance:30.000m [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	3253	3285	3316	3282	3227	3231	3250	3243	0- 10	314.2	314.2	2.52, 2.52
20	3022	3136	3230	3132	2979	3033	3108	3058	10- 20	900.2	1214	9.73, 9.73
30	2658	2885	3062	2880	2598	2747	2901	2775	20- 30	1367	2581	20.7, 20.7
40	2205	2546	2812	2546	2141	2394	2627	2418	30- 40	1658	4239	34, 34
50	1705	2145	2483	2151	1649	1999	2304	2023	40- 50	1752	5991	48, 48
60	1204	1722	2107	1732	1156	1597	1953	1618	50- 60	1658	7649	61.3, 61.3
70	718.0	1313	1710	1324	676.4	1224	1595	1236	60- 70	1421	9070	72.7, 72.7
80	282.6	953.4	1325	966.9	250.6	899.9	1253	903.8	70- 80	1103	10173	81.5, 81.5
90	35.56	665.5	982.0	678.7	41.21	640.9	951.0	639.9	80- 90	784.6	10957	87.8, 87.8
100	33.70	453.1	710.7	466.7	37.69	444.3	702.3	440.3	90-100	540.7	11498	92.1, 92.1
110	35.81	311.2	508.1	322.2	40.25	309.1	506.8	305.5	100-110	369.4	11867	95.1, 95.1
120	36.61	218.4	359.0	229.0	40.10	221.3	359.9	218.7	110-120	248.3	12115	97.1, 97.1
130	36.10	155.1	251.6	166.5	39.60	160.8	253.0	159.2	120-130	163.1	12279	98.4, 98.4
140	34.97	108.0	171.5	119.3	39.55	115.2	174.6	115.6	130-140	102.4	12381	99.2, 99.2
150	32.42	72.05	110.2	80.41	36.46	75.04	113.6	82.99	140-150	58.80	12440	99.7, 99.7
160	26.35	44.25	65.98	47.92	31.56	43.04	67.13	55.71	150-160	28.76	12469	99.9, 99.9
170	29.60	26.88	35.24	29.60	32.03	25.70	33.00	32.11	160-170	11.18	12480	100, 100
180	30.54	30.54	1.571	1.571	1.571	1.571	30.54	30.54	170-180	2.445	12482	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

Conical surface Flux(90deg): 5116 lm

%lum = 41.0%

%lamp = 41.0%

Conical surface Flux(120deg): 7649.3 lm

%lum = 61.3%

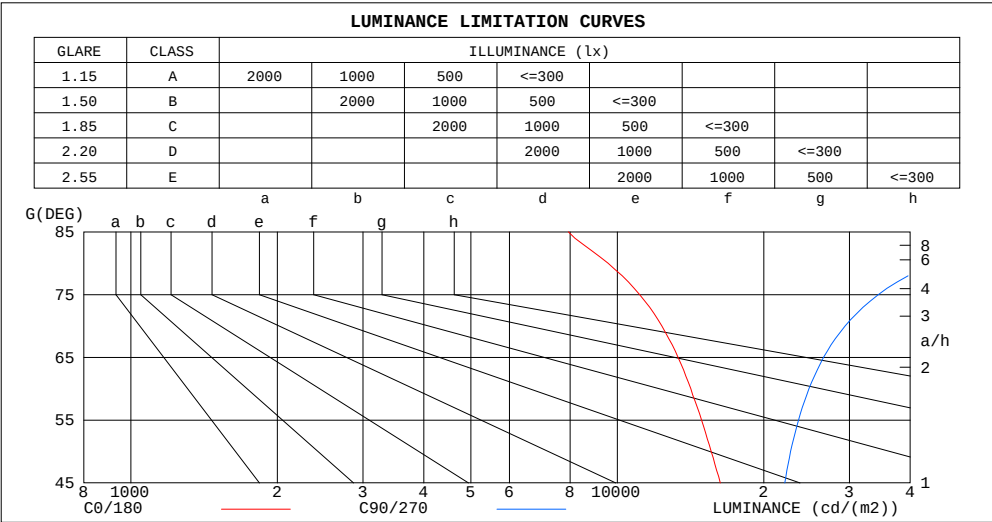
%lamp = 61.3%

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.1%
 Test Distance: 30.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE: LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



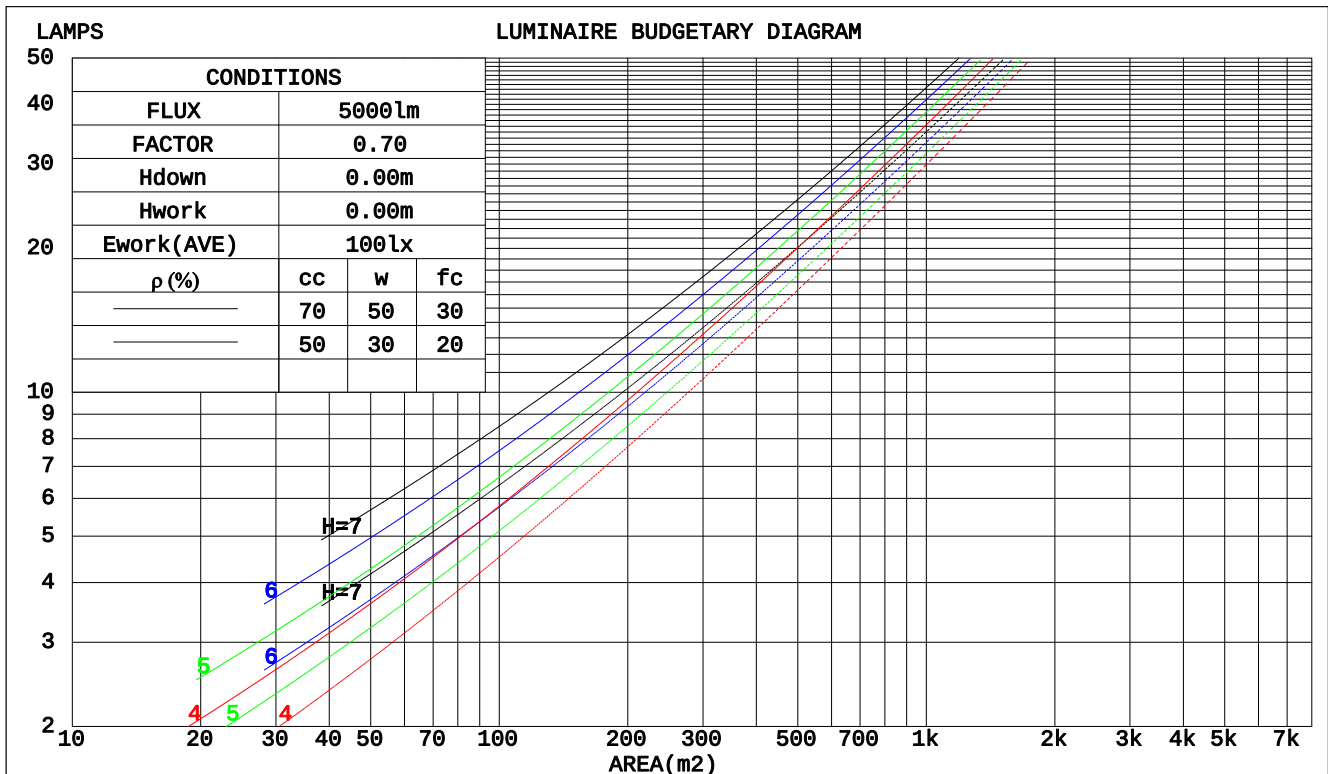
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity:41.1%
Test Distance:30.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.16	1.16	1.16	1.12	1.12	1.12	1.04	1.04	1.04	.97	.97	.97	.91	.91	.91	.88
1.0	.98	.93	.88	.94	.90	.86	.88	.84	.81	.82	.79	.76	.76	.74	.72	.69
2.0	.84	.77	.70	.81	.74	.69	.76	.70	.65	.71	.66	.62	.66	.62	.59	.56
3.0	.73	.65	.58	.71	.63	.56	.66	.59	.54	.62	.56	.51	.58	.53	.49	.46
4.0	.65	.55	.48	.63	.54	.47	.58	.51	.45	.55	.48	.43	.51	.46	.42	.39
5.0	.58	.48	.41	.56	.47	.41	.52	.45	.39	.49	.42	.37	.46	.40	.36	.33
6.0	.52	.42	.36	.50	.41	.35	.47	.39	.34	.44	.38	.33	.41	.36	.31	.29
7.0	.47	.38	.31	.45	.37	.31	.43	.35	.30	.40	.34	.29	.38	.32	.28	.26
8.0	.43	.34	.28	.41	.33	.27	.39	.32	.27	.37	.30	.26	.35	.29	.25	.23
9.0	.39	.31	.25	.38	.30	.25	.36	.29	.24	.34	.28	.23	.32	.26	.22	.20
10.0	.36	.28	.23	.35	.27	.22	.33	.26	.22	.31	.25	.21	.30	.24	.20	.18



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.8DEG
 Operators: Alan Wang
 Test Date: 12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity: 41.1%
 Test Distance: 30.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm									
NAME:				TYPE:LED				WEIGHT:	
SPEC.:				DIM.:				SERIAL No.:	
MFR.:				SUR.:				Shielding Angle:	

ρ _{cc}	80%			70%			50%			30%			10%			0	
ρ _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.367	.208	.066	.356	.203	.064	.335	.192	.061	.316	.183	.059	.299	.173	.056		
2.0	.322	.177	.054	.313	.172	.053	.294	.164	.051	.277	.156	.049	.262	.148	.047		
3.0	.289	.154	.046	.280	.150	.045	.264	.143	.043	.248	.136	.042	.234	.130	.040		
4.0	.262	.136	.040	.254	.133	.039	.239	.127	.038	.225	.121	.036	.212	.115	.035		
5.0	.239	.122	.035	.232	.119	.035	.218	.114	.033	.205	.108	.032	.194	.104	.031		
6.0	.219	.110	.031	.213	.108	.031	.201	.103	.030	.189	.098	.029	.178	.094	.028		
7.0	.203	.100	.028	.197	.098	.028	.186	.094	.027	.175	.090	.026	.165	.086	.025		
8.0	.188	.092	.026	.183	.090	.025	.173	.086	.025	.163	.083	.024	.154	.079	.023		
9.0	.176	.085	.024	.171	.083	.023	.162	.080	.023	.153	.077	.022	.145	.073	.021		
10.0	.165	.079	.022	.160	.077	.022	.152	.074	.021	.144	.071	.020	.136	.068	.020		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.284	.284	.284	.242	.242	.242	.165	.165	.165	.095	.095	.095	.030	.030	.030	
1.0	.278	.249	.224	.238	.214	.193	.163	.147	.133	.094	.085	.077	.030	.027	.025	
2.0	.271	.226	.189	.232	.195	.163	.159	.135	.114	.092	.078	.067	.029	.025	.022	
3.0	.263	.209	.167	.226	.181	.144	.155	.126	.101	.089	.073	.060	.029	.024	.020	
4.0	.255	.197	.152	.219	.170	.132	.151	.118	.093	.087	.069	.055	.028	.023	.018	
5.0	.248	.187	.142	.213	.161	.123	.146	.113	.087	.085	.066	.052	.027	.022	.017	
6.0	.240	.179	.134	.206	.155	.117	.142	.108	.083	.083	.064	.049	.027	.021	.016	
7.0	.233	.172	.129	.201	.149	.112	.139	.104	.080	.081	.062	.047	.026	.020	.016	
8.0	.227	.166	.125	.195	.144	.109	.135	.101	.077	.079	.060	.046	.025	.020	.015	
9.0	.220	.161	.122	.190	.140	.106	.131	.098	.075	.077	.058	.045	.025	.019	.015	
10.0	.214	.157	.119	.185	.136	.104	.128	.096	.074	.075	.057	.044	.024	.019	.015	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Alan Wang
 Test Date:12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity:41.1%
 Test Distance:30.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm											
NAME:					TYPE:LED			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:			
MFR.:					SUR.:			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	2H	21.3	22.7	21.7	23.1	23.6	23.6	25.0	24.0	25.4	25.8
	3H	22.6	23.9	23.1	24.4	24.9	26.0	27.3	26.4	27.7	28.2
	4H	23.1	24.4	23.6	24.9	25.4	27.2	28.5	27.7	28.9	29.5
	6H	23.5	24.7	24.0	25.2	25.7	28.6	29.8	29.1	30.3	30.8
	8H	23.6	24.8	24.1	25.3	25.8	29.4	30.5	29.9	31.0	31.5
	12H	23.7	24.8	24.2	25.3	25.8	30.2	31.3	30.7	31.8	32.4
4H	2H	22.4	23.6	22.9	24.1	24.6	24.1	25.3	24.5	25.8	26.3
	3H	24.0	25.1	24.5	25.6	26.1	26.7	27.8	27.2	28.3	28.9
	4H	24.7	25.7	25.2	26.2	26.8	28.2	29.2	28.7	29.7	30.3
	6H	25.2	26.1	25.8	26.7	27.3	29.8	30.7	30.4	31.3	31.9
	8H	25.4	26.2	26.0	26.8	27.5	30.7	31.5	31.3	32.1	32.7
	12H	25.5	26.3	26.1	26.9	27.6	31.7	32.5	32.3	33.1	33.7
8H	4H	25.6	26.5	26.2	27.1	27.7	28.5	29.3	29.1	29.9	30.5
	6H	26.5	27.3	27.2	27.9	28.5	30.4	31.1	31.0	31.7	32.4
	8H	26.9	27.6	27.6	28.2	28.9	31.5	32.1	32.1	32.7	33.5
	12H	27.2	27.8	27.9	28.4	29.1	32.8	33.3	33.4	34.0	34.7
12H	4H	25.9	26.7	26.5	27.3	28.0	28.5	29.3	29.1	29.9	30.5
	6H	27.1	27.7	27.7	28.3	29.0	30.5	31.1	31.1	31.7	32.5
	8H	27.6	28.2	28.3	28.8	29.5	31.7	32.2	32.3	32.9	33.6
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 / - 0.3					
2.0H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					

CIE Pub.117, 12482 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 8.8)
Area: 0.1701 m2

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity:41.1%
Test Distance:30.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

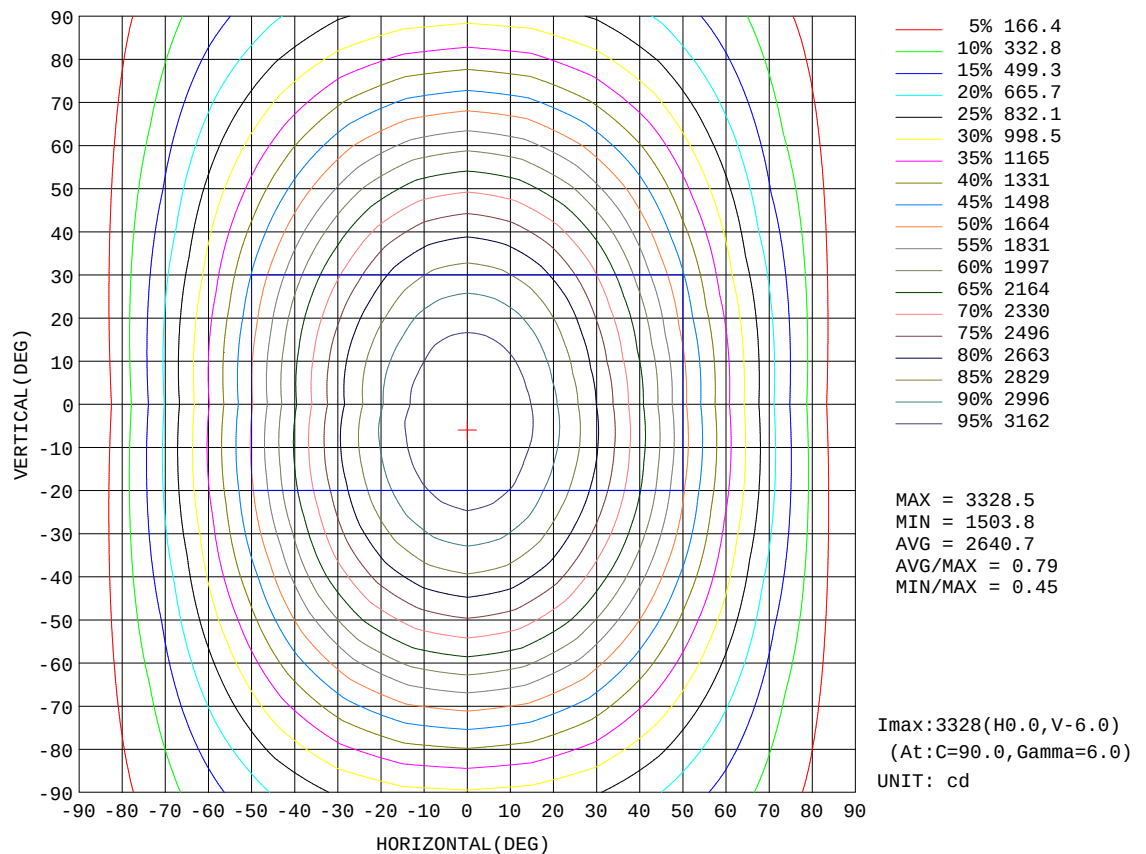
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	51	39	32	50	38	32	48	38	31	25
0.80	60	48	40	59	47	40	57	46	39	31
1.00	68	56	48	67	55	47	63	56	46	38
1.25	75	63	55	73	62	54	69	60	53	44
1.50	80	69	60	78	67	60	74	65	58	48
2.00	87	77	69	85	75	68	80	72	66	55
2.50	92	82	75	89	80	73	83	76	70	59
3.00	95	86	80	92	84	78	86	80	75	63
4.00	100	92	86	96	90	84	90	85	80	67
5.00	102	96	91	99	93	88	92	88	84	71
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Alan Wang
 Test Date:12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity:41.1%
 Test Distance:30.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

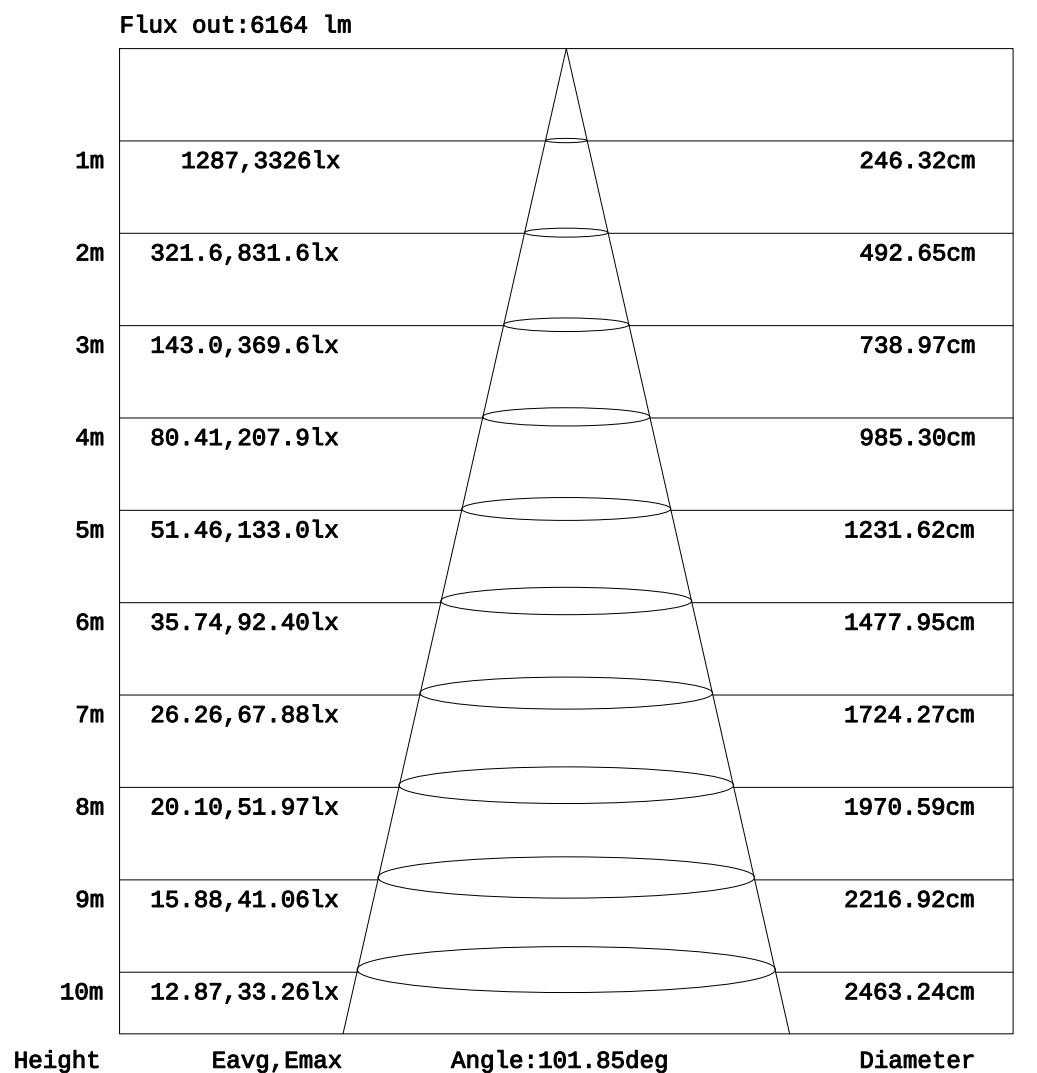


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 12 January 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.1%
Test Distance: 30.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



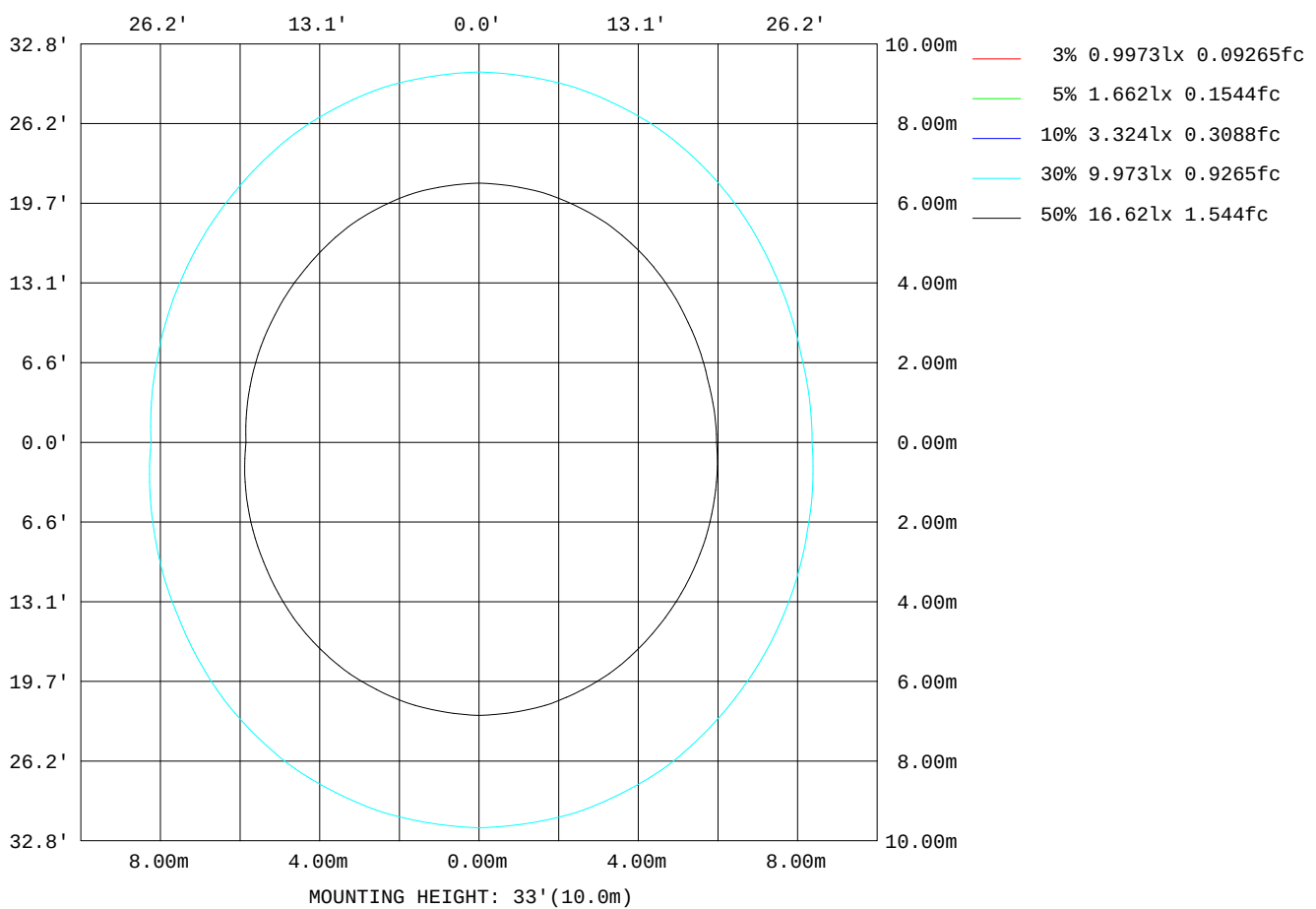
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Alan Wang
 Test Date:12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity:41.1%
 Test Distance:30.000m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity:41.1%
Test Distance:30.000m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

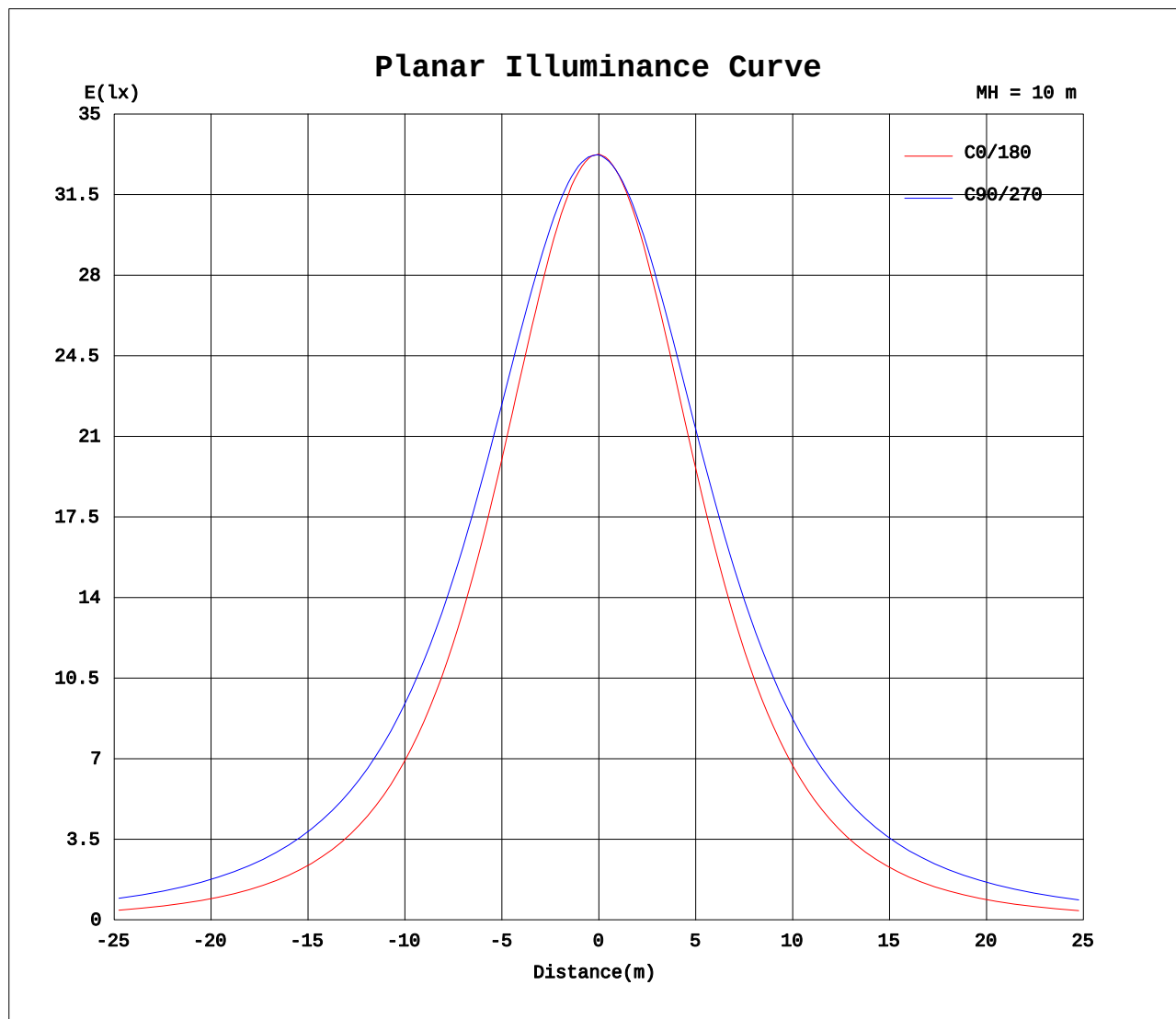
AvgL	cd/m2
L_0~180(65)av	13015
L_0~180(75)av	10684
L_0~180(85)av	7280
L_90~270(65)av	25610
L_90~270(75)av	33342
L_90~270(85)av	75659
L_45(65)av	20391
L_45(75)av	24875
L_45(85)av	52873

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 γ Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity:41.1%
Test Distance:30.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.8DEG
Operators: Alan Wang
Test Date: 12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416
Humidity: 41.1%
Test Distance: 30.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm																		
NAME:									TYPE: LED					WEIGHT:				
SPEC.:									DIM.:					SERIAL No.:				
MFR.:									SUR.:					Shielding Angle:				

Table--1

UNIT: cd

C (DEG) γ (DEG)	C (DEG)																		
	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	3324	3324	3325	3325	3324	3324	3324	3324	3325	3325	3325	3326	3326	3325	3325	3324	3323	3323	3323
5	3310	3314	3314	3319	3325	3326	3328	3325	3320	3315	3310	3306	3295	3296	3291	3289	3295	3295	3295
10	3253	3264	3273	3285	3305	3313	3316	3309	3298	3282	3263	3252	3227	3228	3226	3231	3246	3248	3250
15	3156	3181	3203	3224	3261	3278	3283	3273	3252	3218	3188	3162	3118	3124	3129	3145	3171	3182	3189
20	3022	3058	3096	3136	3188	3216	3230	3215	3179	3132	3081	3033	2979	2992	3008	3033	3076	3099	3108
25	2856	2905	2958	3024	3096	3140	3157	3132	3087	3018	2938	2872	2799	2826	2858	2901	2963	2997	3012
30	2658	2724	2798	2885	2982	3041	3062	3032	2974	2880	2772	2686	2598	2636	2685	2747	2827	2880	2901
35	2441	2519	2615	2726	2844	2921	2945	2914	2839	2722	2583	2473	2377	2424	2492	2580	2682	2746	2769
40	2205	2290	2411	2546	2689	2779	2812	2773	2684	2546	2379	2247	2141	2199	2288	2394	2517	2598	2627
45	1958	2055	2199	2350	2516	2620	2656	2612	2514	2356	2161	2012	1897	1963	2073	2200	2341	2436	2471
50	1705	1810	1971	2145	2326	2446	2483	2439	2329	2151	1936	1769	1649	1723	1852	1999	2157	2265	2304
55	1454	1565	1738	1934	2130	2259	2300	2256	2135	1941	1709	1526	1401	1483	1627	1798	1970	2088	2129
60	1204	1320	1507	1722	1928	2064	2107	2062	1935	1732	1482	1283	1156	1245	1410	1597	1785	1908	1953
65	958	1080	1282	1510	1728	1864	1908	1865	1735	1524	1264	1047	913	1014	1199	1406	1602	1728	1774
70	718	849	1071	1313	1531	1665	1710	1672	1539	1324	1059	820	676	794	1004	1224	1424	1549	1595
75	489	634	878	1126	1340	1471	1515	1478	1350	1138	869	609	452	592	826	1055	1253	1377	1420
80	283	447	706	953	1162	1285	1325	1292	1173	967	701	429	251	418	669	900	1093	1212	1253
85	118	298	560	800	996	1110	1146	1118	1007	812	557	287	98.3	284	535	761	945	1059	1097
90	35.6	195	440	665	846	950	982	959	857	679	441	191	41.2	193	426	641	814	918	951
95	32.3	135	345	549	713	806	838	816	726	563	348	135	36.7	138	338	534	694	790	820
100	33.7	103	274	453	600	681	711	693	612	467	278	106	37.7	110	271	444	588	675	702
105	35.1	85.8	220	375	502	575	601	586	515	387	227	90.8	38.9	94.3	222	370	497	574	599
110	35.8	76.6	182	311	420	485	508	494	433	322	189	81.7	40.2	84.7	186	309	418	485	507
115	36.4	70.3	154	260	351	407	428	417	364	271	162	75.3	40.2	76.5	160	261	352	409	428
120	36.6	65.8	133	218	294	341	359	351	306	229	141	70.3	40.1	71.5	139	221	297	344	360
125	36.5	62.3	116	184	246	286	301	295	258	196	124	66.2	40.0	66.2	121	189	250	289	302
130	36.1	58.6	101	155	204	238	252	247	217	167	108	61.3	39.6	62.8	106	161	211	242	253
135	35.9	55.0	87.9	130	170	197	209	206	182	141	94.7	56.9	39.6	57.9	90.1	137	177	202	211
140	35.0	51.2	76.3	108	139	162	171	169	151	119	82.5	51.7	39.5	53.0	79.8	115	147	167	175
145	34.8	46.9	65.1	88.7	113	131	139	137	124	99.6	70.1	45.2	38.9	47.4	67.2	95.1	120	135	142
150	32.4	41.6	54.0	72.1	90.6	105	110	110	100	80.4	57.5	39.3	36.5	41.6	54.8	75.0	96.1	108	114
155	28.8	35.4	43.6	57.0	71.2	81.7	86.1	85.5	78.9	62.0	46.4	33.3	34.5	36.5	43.6	56.2	71.3	84.1	88.4
160	26.3	29.8	34.8	44.2	54.6	62.4	66.0	65.6	57.7	47.9	37.2	28.8	31.6	32.5	36.2	43.0	51.2	62.5	67.1
165	26.7	28.5	29.1	34.9	41.0	46.8	49.4	49.0	42.3	38.5	33.7	27.9	31.3	32.4	30.1	33.4	37.4	42.3	49.3
170	29.6	26.7	24.6	26.9	30.1	33.2	35.2	32.8	31.1	29.6	28.8	29.0	32.0	32.5	26.4	25.7	27.5	29.1	33.0
175	30.6	26.8	21.2	20.0	21.0	22.0	23.1	21.2	21.1	21.9	23.7	29.3	31.5	30.8	25.0	19.5	19.1	19.3	20.1
180	30.5	30.5	30.5	30.5	30.5	30.5	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	1.57	30.5

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature: 24.8DEG

Operators: Alan Wang

Test Date: 12 January 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System: EVERFINE G0-R5000_V2 SYSTEM V2.00.416

Humidity: 41.1%

Test Distance: 30.000m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.0V I:0.7359A P:87.19W PF:0.9873 Freq:60.00Hz Lamp Flux:12482.1x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345												
0	3323	3324	3324	3324	3324												
5	3295	3295	3295	3296	3301												
10	3246	3247	3243	3240	3241												
15	3185	3175	3164	3150	3143												
20	3103	3083	3058	3028	3009												
25	3001	2973	2926	2873	2843												
30	2881	2840	2775	2698	2651												
35	2750	2690	2603	2505	2438												
40	2599	2530	2418	2296	2212												
45	2436	2353	2225	2077	1978												
50	2268	2168	2023	1855	1735												
55	2094	1982	1819	1631	1494												
60	1914	1796	1618	1409	1255												
65	1733	1608	1424	1199	1020												
70	1555	1426	1236	1002	795												
75	1382	1255	1061	818	586												
80	1216	1095	904	659	407												
85	1063	948	763	522	266												
90	921	813	640	411	171												
95	790	692	531	323	119												
100	675	587	440	257	93.3												
105	574	495	366	210	80.7												
110	486	416	306	175	74.0												
115	410	351	257	151	69.5												
120	345	295	219	132	66.3												
125	290	250	186	117	64.0												
130	243	211	159	103	61.3												
135	203	177	136	91.7	59.1												
140	168	147	116	81.2	56.4												
145	137	122	98.4	72.2	53.0												
150	111	99.9	83.0	63.3	49.2												
155	88.2	80.5	68.3	55.0	44.2												
160	67.9	64.0	55.7	47.0	38.4												
165	50.7	48.2	44.1	38.6	33.1												
170	35.2	34.1	32.1	29.9	28.6												
175	21.7	22.1	21.8	21.6	24.6												
180	30.5	30.5	30.5	30.5	30.5												

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Alan Wang
 Test Date:12 January 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-R5000_V2 SYSTEM V2.00.416
 Humidity:41.1%
 Test Distance:30.000m [K=1.0000]
 Remarks: