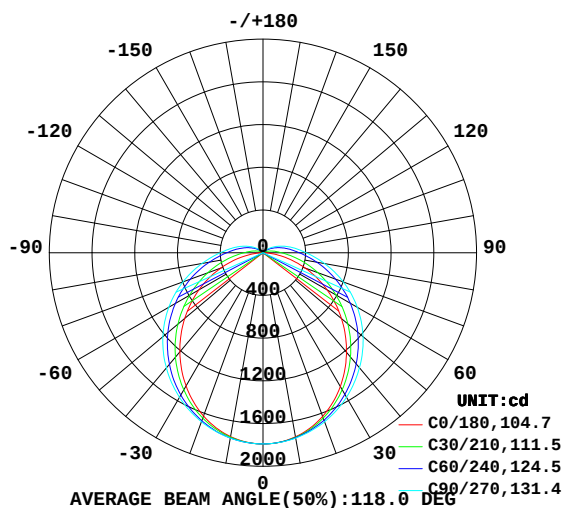


LUMINAIRE PHOTOMETRIC TEST REPORT

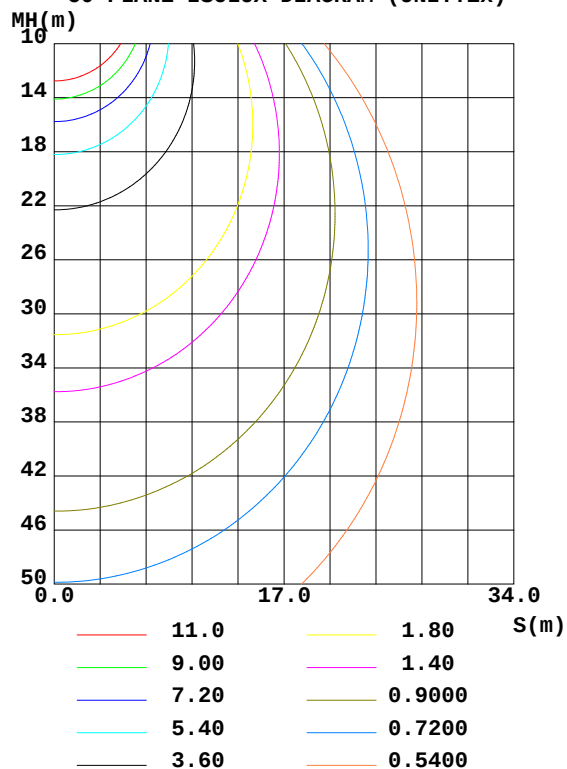
Test:U:120.0V I:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 125.26 lm/W			
MODEL	TP4F-L50PDNA	I _{max} (cd)	1790	S/MH(C0/180)	1.20
NOMINAL POWER(W)	50	LOR(%)	100.0	S/MH(C90/270)	1.30
RATED VOLTAGE(V)	120-347	TOTAL FLUX(lm)	6189.0	η UP, DN(C0-180)	3.8, 46.3
NOMINAL FLUX(lm)	6189.03	CIE CLASS	DIRECT	η UP, DN(C180-360)	3.8, 46.1
LAMPS INSIDE	1	η up(%)	7.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	120	η down(%)	92.4	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	1750	1753	1762	1758	1748	1756	1762	1756	0- 10	169.3	169.3	2.73, 2.73
20	1631	1656	1684	1665	1627	1659	1684	1657	10- 20	484.0	653.3	10.6, 10.6
30	1447	1503	1563	1517	1441	1508	1564	1506	20- 30	732.7	1386	22.4, 22.4
40	1217	1312	1405	1329	1212	1317	1408	1313	30- 40	886.3	2272	36.7, 36.7
50	959.4	1093	1223	1113	956.5	1098	1224	1095	40- 50	933.4	3206	51.8, 51.8
60	692.3	865.2	1019	886.6	690.9	870.1	1017	867.6	50- 60	878.9	4085	66, 66
70	421.9	638.0	801.1	657.1	421.2	642.0	797.1	638.6	60- 70	739.8	4824	77.9, 77.9
80	168.9	427.9	585.6	442.7	167.3	430.3	579.6	425.8	70- 80	545.3	5370	86.8, 86.8
90	21.07	266.1	405.7	276.2	21.62	268.5	401.3	264.1	80- 90	347.9	5718	92.4, 92.4
100	18.48	166.3	282.1	173.8	17.70	168.9	278.3	164.7	90-100	216.1	5934	95.9, 95.9
110	16.61	94.34	183.5	99.43	16.90	96.06	181.5	92.56	100-110	131.5	6065	98, 98
120	14.34	42.80	106.4	46.13	14.78	44.21	105.3	41.18	110-120	71.34	6136	99.2, 99.2
130	11.14	10.10	47.65	11.87	12.68	10.95	46.85	9.950	120-130	31.91	6168	99.7, 99.7
140	9.496	6.048	9.360	7.056	10.59	6.869	8.947	7.336	130-140	10.67	6179	99.8, 99.8
150	7.943	4.949	5.795	5.831	9.762	6.295	6.726	6.583	140-150	4.615	6184	99.9, 99.9
160	6.664	4.152	4.491	4.891	9.220	6.230	5.836	6.214	150-160	2.926	6187	100, 100
170	10.22	4.762	4.632	5.922	10.86	6.781	5.711	6.044	160-170	1.799	6188	100, 100
180	11.23	5.864	5.699	6.864	11.41	6.777	5.605	5.925	170-180	0.6830	6189	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 2739.7 lm

%lum = 44.3%

%lamp = 44.3%

Conical surface Flux(120deg): 4084.5 lm

%lum = 66.0%

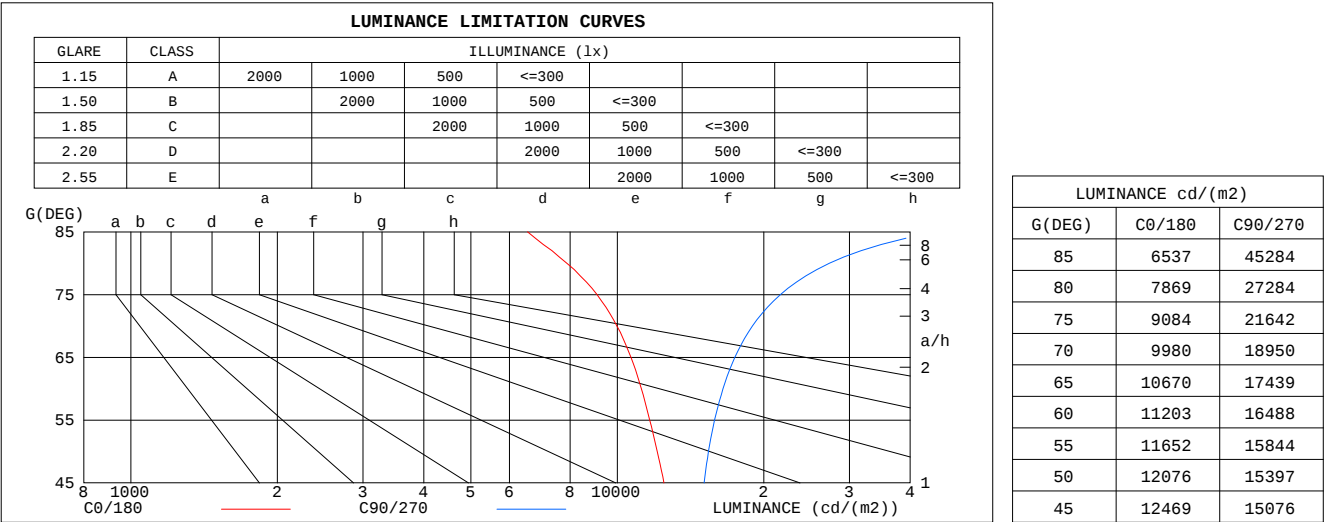
%lamp = 66.0%

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



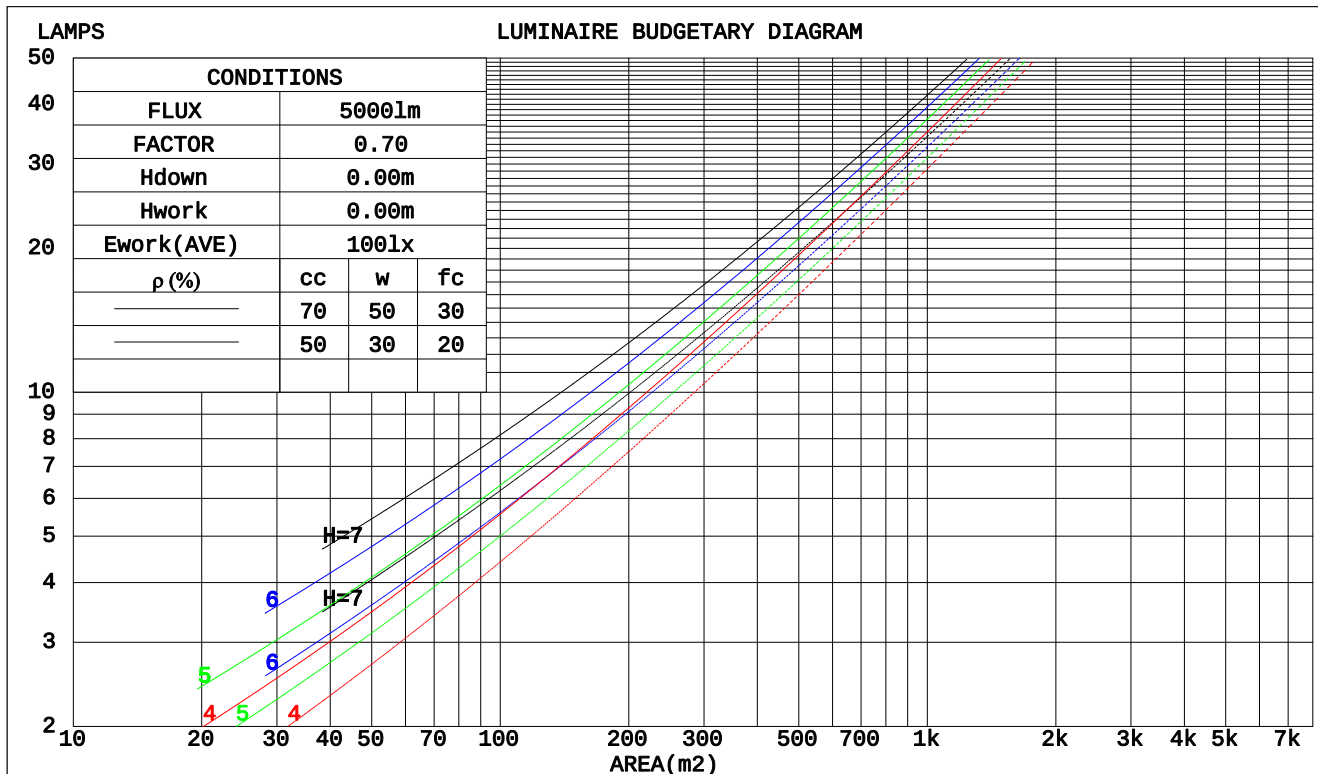
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.8DEG
Operators:Alan Wang
Test Date:12 January 2025

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 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	1.17	1.17	1.17	1.14	1.14	1.14	1.07	1.07	1.07	1.01	1.01	1.01	.95	.95	.95	.92
1.0	.99	.94	.90	.96	.92	.88	.91	.87	.84	.85	.82	.80	.81	.78	.76	.73
2.0	.86	.78	.72	.83	.76	.70	.78	.73	.68	.74	.69	.65	.70	.66	.62	.60
3.0	.75	.66	.59	.73	.64	.58	.68	.62	.56	.65	.59	.54	.61	.56	.52	.49
4.0	.66	.57	.50	.64	.55	.49	.61	.53	.47	.57	.51	.46	.54	.49	.44	.42
5.0	.59	.49	.42	.57	.48	.42	.54	.46	.41	.51	.45	.39	.49	.43	.38	.36
6.0	.53	.43	.37	.51	.43	.36	.49	.41	.35	.46	.40	.34	.44	.38	.34	.31
7.0	.48	.39	.32	.47	.38	.32	.44	.37	.31	.42	.35	.30	.40	.34	.30	.28
8.0	.43	.35	.29	.42	.34	.28	.40	.33	.28	.39	.32	.27	.37	.31	.27	.25
9.0	.40	.31	.26	.39	.31	.26	.37	.30	.25	.36	.29	.24	.34	.28	.24	.22
10.0	.37	.29	.23	.36	.28	.23	.34	.27	.23	.33	.27	.22	.32	.26	.22	.20



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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 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 Coefficients(WEC)										
0.0																	
1.0	.360	.204	.065	.350	.200	.063	.332	.191	.061	.316	.182	.058	.301	.174	.056		
2.0	.320	.175	.054	.311	.171	.053	.295	.164	.051	.280	.157	.049	.267	.151	.048		
3.0	.288	.153	.046	.280	.150	.045	.266	.144	.044	.253	.138	.042	.240	.133	.041		
4.0	.261	.136	.040	.254	.133	.039	.242	.128	.038	.230	.123	.037	.219	.119	.036		
5.0	.239	.122	.035	.233	.119	.035	.221	.115	.034	.210	.111	.033	.200	.107	.032		
6.0	.220	.110	.032	.214	.108	.031	.204	.104	.030	.194	.101	.030	.185	.097	.029		
7.0	.203	.100	.028	.198	.099	.028	.189	.095	.028	.180	.092	.027	.172	.089	.026		
8.0	.189	.092	.026	.184	.091	.026	.176	.088	.025	.168	.085	.025	.160	.082	.024		
9.0	.176	.085	.024	.172	.084	.024	.165	.081	.023	.157	.079	.023	.150	.076	.022		
10.0	.165	.079	.022	.162	.078	.022	.155	.076	.021	.148	.073	.021	.141	.071	.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	.249	.249	.249	.212	.212	.212	.145	.145	.145	.083	.083	.083	.027	.027	.027	
1.0	.242	.214	.189	.207	.184	.163	.142	.126	.112	.082	.073	.065	.026	.024	.021	
2.0	.235	.191	.154	.201	.164	.133	.138	.114	.093	.079	.066	.054	.026	.021	.018	
3.0	.227	.174	.131	.195	.150	.114	.134	.104	.080	.077	.061	.047	.025	.020	.015	
4.0	.219	.161	.116	.188	.139	.101	.129	.097	.071	.075	.057	.042	.024	.018	.014	
5.0	.212	.151	.106	.182	.130	.092	.125	.091	.065	.073	.053	.038	.023	.017	.013	
6.0	.204	.142	.098	.175	.123	.085	.121	.086	.060	.070	.051	.036	.023	.017	.012	
7.0	.197	.136	.093	.170	.118	.081	.117	.082	.057	.068	.049	.034	.022	.016	.011	
8.0	.190	.130	.088	.164	.113	.077	.113	.079	.055	.066	.047	.033	.021	.015	.011	
9.0	.184	.125	.085	.159	.109	.074	.110	.076	.053	.064	.045	.031	.021	.015	.010	
10.0	.178	.121	.083	.154	.105	.072	.107	.074	.051	.062	.044	.031	.020	.014	.010	

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 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	20.6	22.1	21.0	22.5	22.8	22.2	23.7	22.6	24.0	24.4
	3H	22.1	23.4	22.5	23.8	24.2	24.5	25.9	24.9	26.2	26.6
	4H	22.6	23.9	23.1	24.3	24.7	25.7	27.0	26.1	27.4	27.8
	6H	23.0	24.3	23.5	24.7	25.1	26.9	28.2	27.4	28.6	29.0
	8H	23.1	24.3	23.6	24.8	25.2	27.6	28.8	28.1	29.2	29.7
	12H	23.2	24.4	23.7	24.8	25.3	28.4	29.5	28.8	29.9	30.4
4H	2H	21.6	22.9	22.0	23.3	23.7	22.8	24.1	23.2	24.5	24.9
	3H	23.2	24.4	23.7	24.8	25.3	25.3	26.4	25.7	26.8	27.3
	4H	24.0	25.0	24.4	25.5	26.0	26.6	27.7	27.1	28.1	28.6
	6H	24.5	25.5	25.0	25.9	26.5	28.1	29.0	28.6	29.5	30.1
	8H	24.7	25.6	25.2	26.1	26.6	28.9	29.8	29.4	30.3	30.8
	12H	24.8	25.6	25.4	26.2	26.7	29.8	30.6	30.3	31.1	31.7
8H	4H	24.7	25.6	25.2	26.1	26.6	26.9	27.8	27.5	28.3	28.9
	6H	25.6	26.3	26.1	26.9	27.4	28.7	29.4	29.2	30.0	30.6
	8H	25.9	26.6	26.5	27.1	27.8	29.7	30.3	30.3	30.9	31.5
	12H	26.2	26.8	26.8	27.4	28.0	30.8	31.4	31.4	32.0	32.6
12H	4H	24.9	25.7	25.5	26.3	26.8	27.0	27.8	27.5	28.3	28.9
	6H	26.0	26.6	26.5	27.2	27.8	28.8	29.4	29.4	30.0	30.6
	8H	26.5	27.0	27.0	27.6	28.2	29.9	30.5	30.5	31.0	31.7
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	+ 0.1 / - 0.4					+ 0.2 / - 0.3					

CIE Pub.117, 6189 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 6.3$)
Area: 0.1236 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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

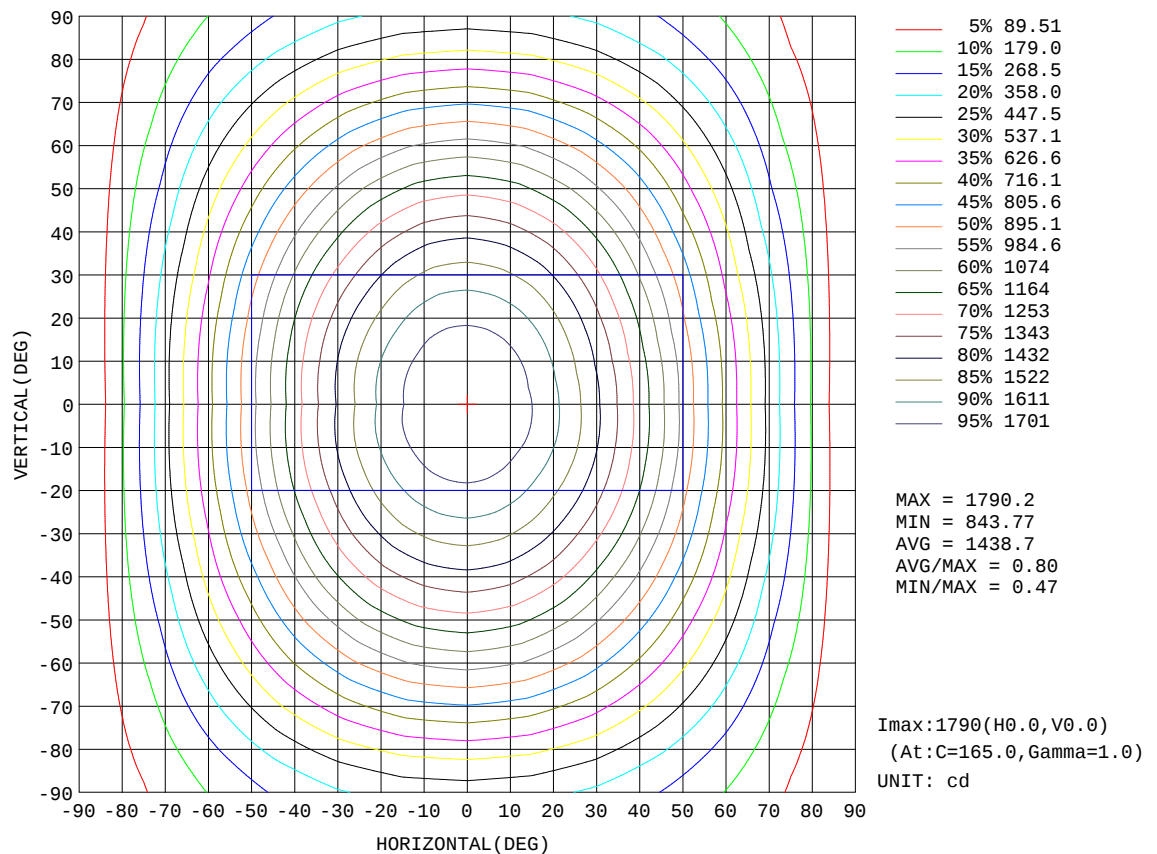
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	53	41	33	52	40	33	50	40	33	27
0.80	62	50	42	61	49	42	59	48	41	34
1.00	70	58	50	69	57	50	66	58	49	41
1.25	77	65	57	75	64	57	72	63	56	48
1.50	82	71	63	80	70	62	76	68	61	52
2.00	89	79	72	87	78	71	83	75	69	59
2.50	93	84	77	91	82	76	86	79	73	63
3.00	97	89	82	94	87	81	89	83	78	67
4.00	101	94	89	98	92	87	93	88	83	72
5.00	104	98	93	101	96	91	95	91	87	75
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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



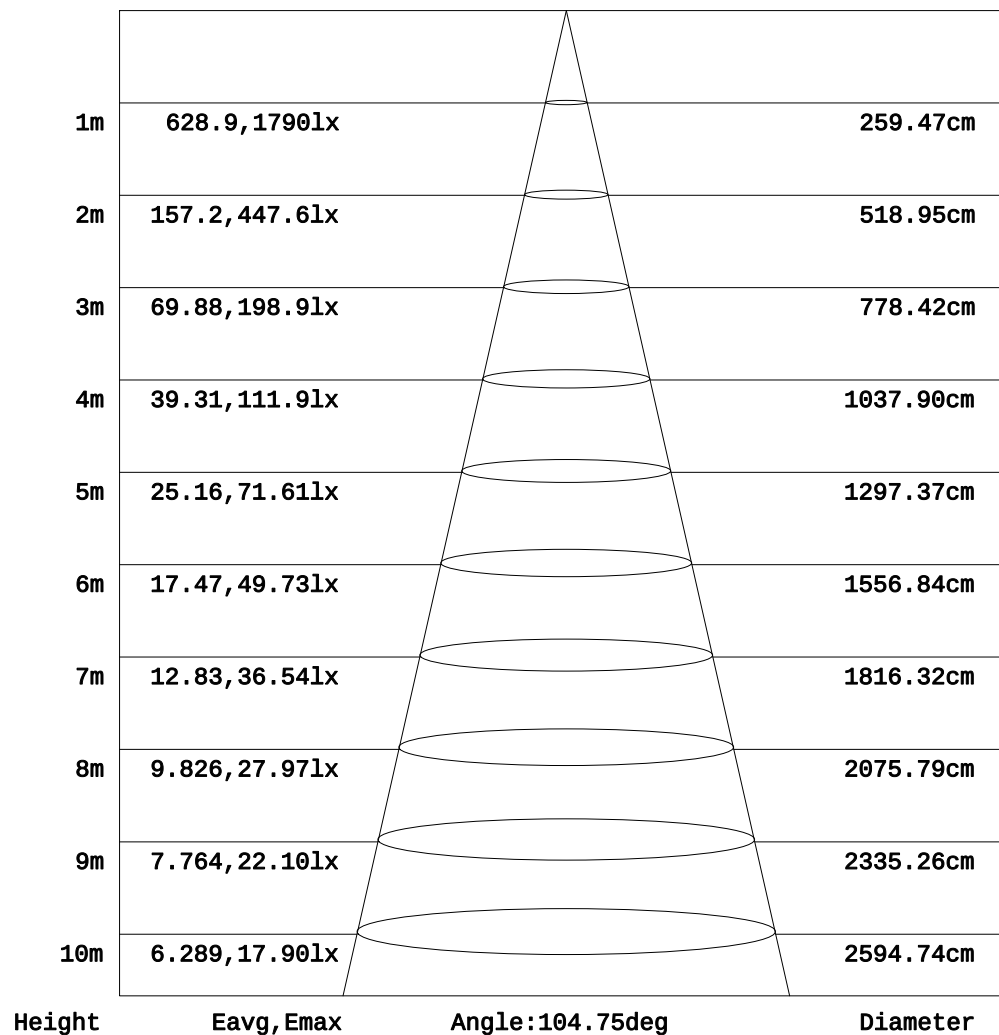
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.8DEG
 Operators:Alan Wang
 Test Date:12 January 2025

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Flux out:3479 lm



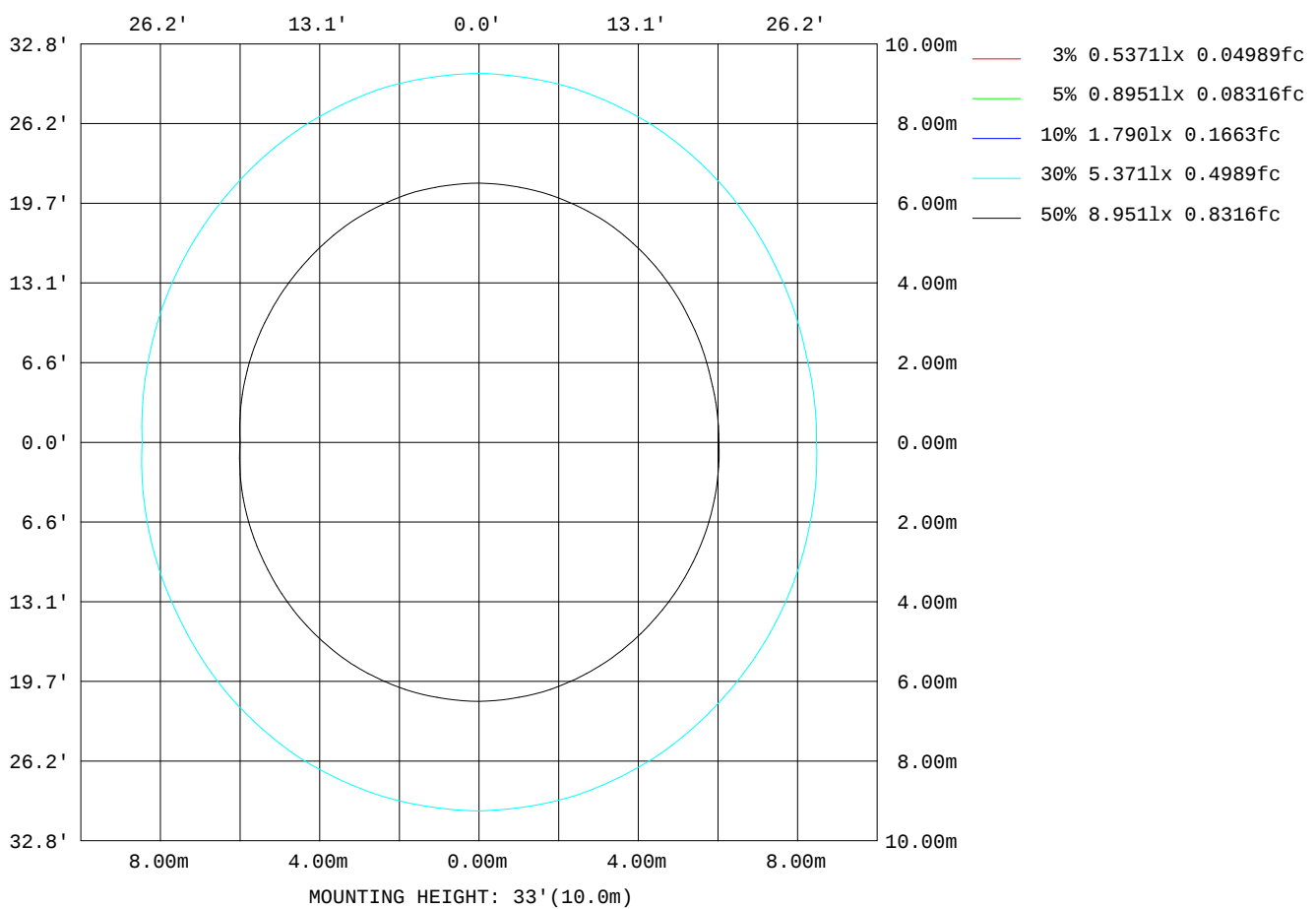
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm		
NAME:	TYPE:LED	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

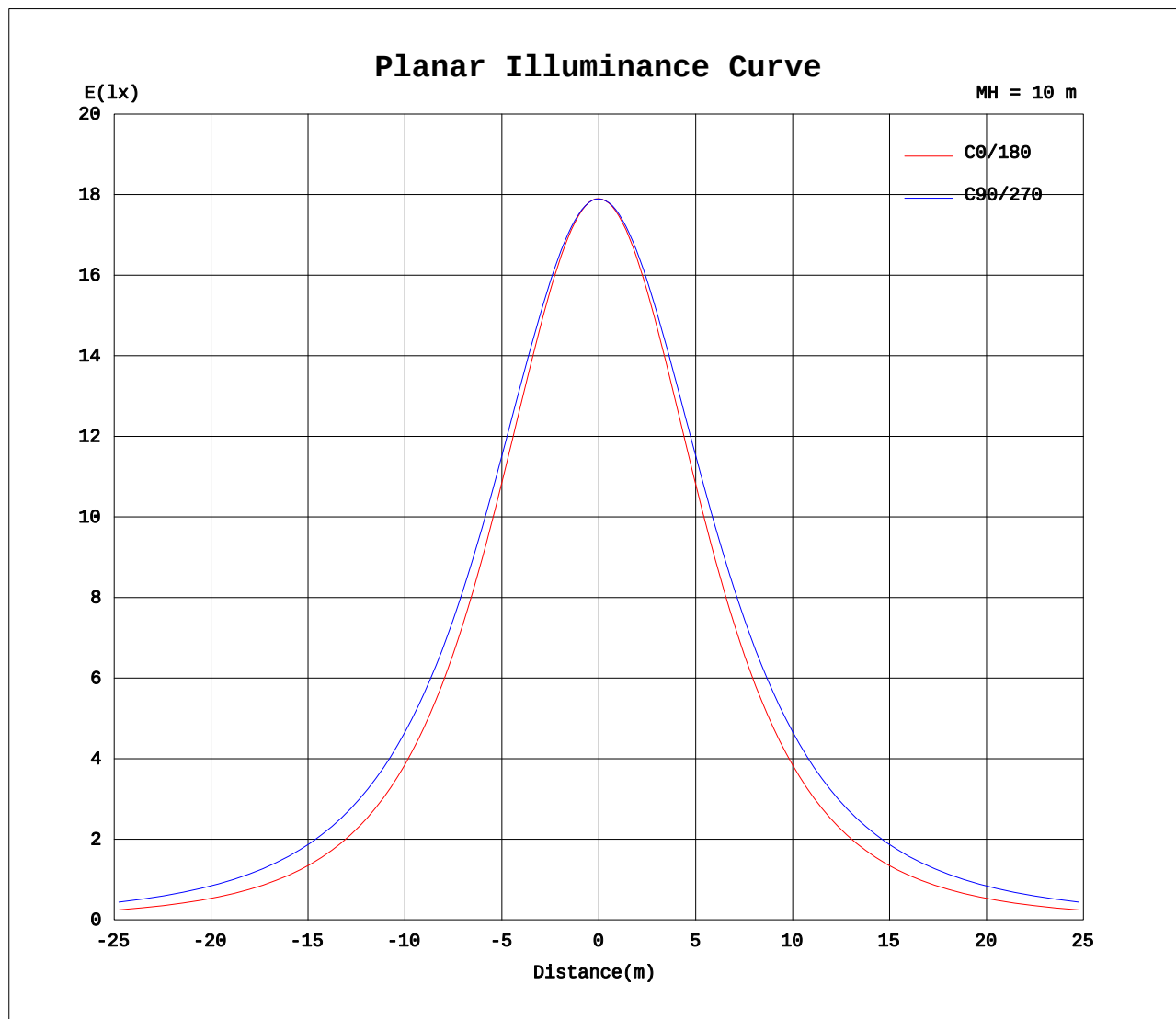
AvgL	cd/m2
L_0~180(65)av	10657
L_0~180(75)av	9064
L_0~180(85)av	6484
L_90~270(65)av	17412
L_90~270(75)av	21548
L_90~270(85)av	45052
L_45(65)av	14501
L_45(75)av	16710
L_45(85)av	31604

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 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	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790	1790
5	1781	1781	1782	1781	1782	1783	1783	1783	1783	1782	1782	1782	1780	1780	1781	1781	1783	1784	1783
10	1750	1752	1754	1753	1758	1761	1762	1762	1761	1758	1756	1755	1748	1751	1753	1756	1762	1763	1762
15	1701	1705	1710	1712	1720	1726	1729	1728	1725	1719	1714	1708	1697	1703	1709	1715	1725	1729	1729
20	1631	1640	1648	1656	1669	1679	1684	1682	1676	1665	1653	1643	1627	1638	1648	1659	1675	1683	1684
25	1546	1559	1572	1585	1606	1622	1629	1625	1615	1597	1577	1561	1540	1558	1572	1589	1612	1627	1629
30	1447	1464	1482	1503	1532	1554	1563	1558	1543	1517	1488	1466	1441	1462	1483	1508	1539	1560	1564
35	1336	1356	1383	1413	1449	1478	1489	1482	1462	1427	1387	1359	1331	1354	1384	1417	1456	1484	1490
40	1217	1240	1274	1312	1359	1392	1405	1396	1372	1329	1279	1244	1212	1238	1276	1317	1363	1398	1408
45	1090	1116	1158	1205	1261	1302	1318	1307	1276	1224	1163	1121	1087	1115	1161	1209	1266	1307	1320
50	959	988	1037	1093	1159	1206	1223	1211	1175	1113	1043	993	956	988	1040	1098	1163	1209	1224
55	826	857	913	980	1052	1104	1123	1111	1069	1001	920	862	824	858	916	985	1057	1107	1123
60	692	726	788	865	943	998	1019	1006	960	887	797	731	691	727	792	870	947	1000	1017
65	557	595	666	751	833	890	911	898	848	771	677	601	556	596	670	755	836	890	908
70	422	466	547	638	723	780	801	789	737	657	559	471	421	467	552	642	724	778	797
75	291	342	435	530	614	671	692	679	628	547	446	348	289	344	439	533	615	668	686
80	169	231	331	428	512	566	586	573	523	443	341	237	167	234	335	430	511	563	580
85	70.4	140	242	337	418	470	488	475	427	349	250	145	69.3	144	246	340	417	467	483
90	21.1	80.9	176	266	341	389	406	394	350	276	182	83.8	21.6	85.4	179	269	341	387	401
95	19.1	49.4	130	212	280	323	339	329	288	221	135	52.0	18.4	53.5	134	214	281	322	335
100	18.5	30.6	94.5	166	229	267	282	272	235	174	98.8	32.9	17.7	33.6	97.7	169	227	267	278
105	18.0	18.8	65.8	127	182	217	231	221	188	133	69.6	20.8	17.2	20.9	69.0	129	182	216	227
110	16.6	14.5	43.5	94.3	141	172	183	175	146	99.4	46.8	16.1	16.9	15.8	46.1	96.1	141	172	181
115	15.4	13.4	26.0	66.3	106	132	142	135	110	70.4	28.7	14.6	16.2	14.2	28.0	68.0	106	131	141
120	14.3	12.7	13.6	42.8	75.1	97.8	106	100	78.5	46.1	15.8	13.5	14.8	13.0	14.9	44.2	75.4	97.3	105
125	13.2	11.6	10.1	23.7	48.6	68.2	75.3	70.1	51.5	26.3	11.6	11.9	13.6	11.9	10.7	25.0	49.2	67.6	74.2
130	11.1	10.9	8.70	10.1	27.0	42.3	47.7	43.6	29.2	11.9	10.3	10.6	12.7	10.9	9.34	10.9	27.6	41.6	46.8
135	10.1	10.1	7.61	7.06	10.8	21.5	25.7	22.3	12.1	8.37	8.95	9.68	11.4	10.1	8.42	7.96	11.3	21.0	24.6
140	9.50	9.26	6.42	6.05	6.55	7.74	9.36	7.99	7.24	7.06	7.93	8.49	10.6	9.07	7.32	6.87	7.38	8.08	8.95
145	8.95	8.25	5.50	5.41	6.00	6.69	6.63	6.85	6.67	6.21	6.53	7.37	10.3	8.53	6.97	6.41	6.92	7.24	7.38
150	7.94	7.15	4.69	4.95	5.54	5.95	5.79	6.10	6.02	5.83	5.78	6.36	9.76	8.53	6.88	6.30	6.28	6.69	6.73
155	7.12	6.60	4.31	4.49	4.98	5.30	5.14	5.44	5.55	5.34	5.40	5.81	9.22	9.09	6.78	6.26	5.99	6.22	5.98
160	6.66	6.51	4.18	4.15	4.57	4.83	4.49	4.97	4.98	4.89	5.26	5.53	9.22	10.0	7.24	6.23	5.95	6.13	5.84
165	8.03	7.69	4.57	4.28	4.52	4.81	4.60	4.89	5.12	5.13	6.05	6.82	9.59	10.5	8.06	6.78	5.91	6.04	5.77
170	10.2	9.25	5.86	4.76	4.52	4.90	4.63	4.93	5.36	5.92	7.17	9.40	10.9	11.3	9.26	6.78	5.87	5.99	5.71
175	11.1	10.1	6.32	5.41	5.17	4.99	4.66	4.97	5.83	6.30	8.38	11.4	11.4	11.3	9.99	6.78	5.83	5.85	5.64
180	11.2	10.2	6.69	5.86	5.63	5.48	5.70	6.01	5.83	6.86	8.76	11.7	11.4	11.3	10.2	6.78	5.81	5.66	5.61

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:0.4118A P:49.41W PF:0.9998 Freq:60.00Hz Lamp Flux:6189.03x1 lm					
NAME:			TYPE:LED		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.:		Shielding Angle:

Table--2

UNIT: cd

γ (DEG) \ C (DEG)	285	300	315	330	345													
0	1790	1790	1790	1790	1790													
5	1783	1782	1781	1780	1778													
10	1761	1759	1756	1752	1747													
15	1727	1722	1714	1705	1697													
20	1680	1671	1657	1643	1630													
25	1623	1609	1587	1564	1546													
30	1555	1536	1506	1472	1448													
35	1478	1454	1413	1370	1341													
40	1393	1361	1313	1261	1224													
45	1302	1263	1206	1145	1101													
50	1206	1160	1095	1024	973													
55	1105	1054	982	901	844													
60	998	944	868	778	713													
65	889	833	753	658	582													
70	779	721	639	540	452													
75	668	612	528	427	329													
80	563	508	426	323	219													
85	466	415	335	235	130													
90	386	339	264	170	74.0													
95	321	277	210	126	45.2													
100	265	226	165	90.7	28.2													
105	214	180	126	62.9	18.0													
110	170	139	92.6	41.3	15.6													
115	131	104	64.7	24.5	14.8													
120	96.3	73.5	41.2	13.5	14.2													
125	66.7	47.2	22.2	11.7	13.5													
130	40.7	25.7	9.95	10.4	13.0													
135	20.2	10.0	8.36	9.50	12.3													
140	8.16	7.52	7.34	8.85	11.7													
145	7.41	7.14	6.96	8.10	11.2													
150	6.85	6.58	6.58	7.45	10.1													
155	6.37	6.18	6.30	7.08	9.49													
160	5.98	5.82	6.21	6.87	8.74													
165	5.92	5.79	6.13	6.85	8.70													
170	5.76	5.77	6.04	6.83	8.79													
175	5.82	5.74	5.96	6.81	8.75													
180	5.72	5.73	5.93	6.61	8.57													

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: