

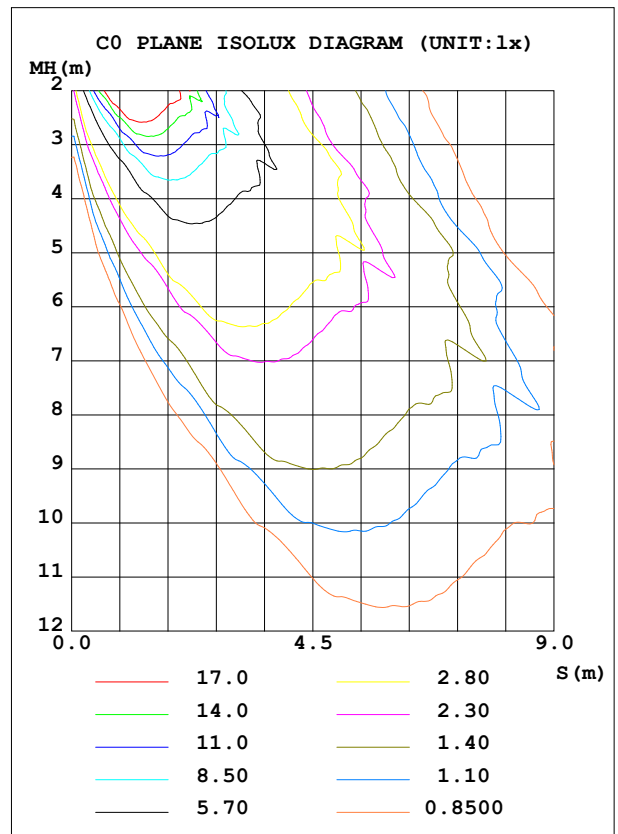
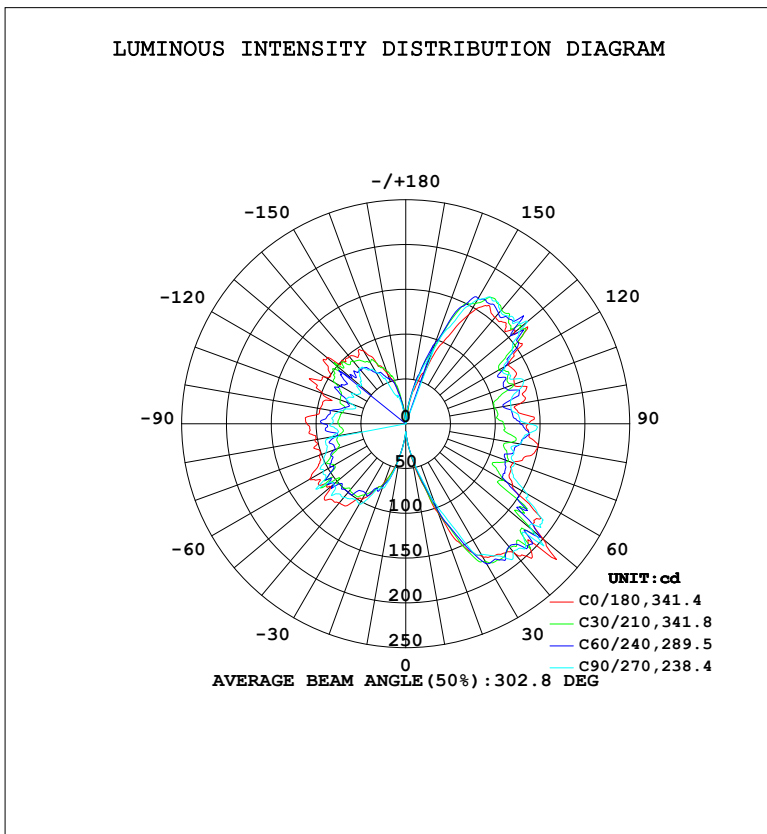
Dubai Collection
 HF7161-AGB



LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME: Dubai Collection	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: Avenue Lighting	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA			
MODEL	HF7161-AGB	Imax (cd)	226.4	S/MH (C0/180)	4.90
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	4.71
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	1391.4	η UP, DN (C0-180)	29.9, 31.3
NOMINAL FLUX (lm)	1391.36	CIE CLASS	DIFFUSE	η UP, DN (C180-360)	18.1, 20.6
LAMPS INSIDE	1	η up (%)	48.1	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)	120.336	η down (%)	51.9	CIBSE SHR MAX	1.15



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 24.5°C
 Operators: Dingmin Zhang
 Test Date: 2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

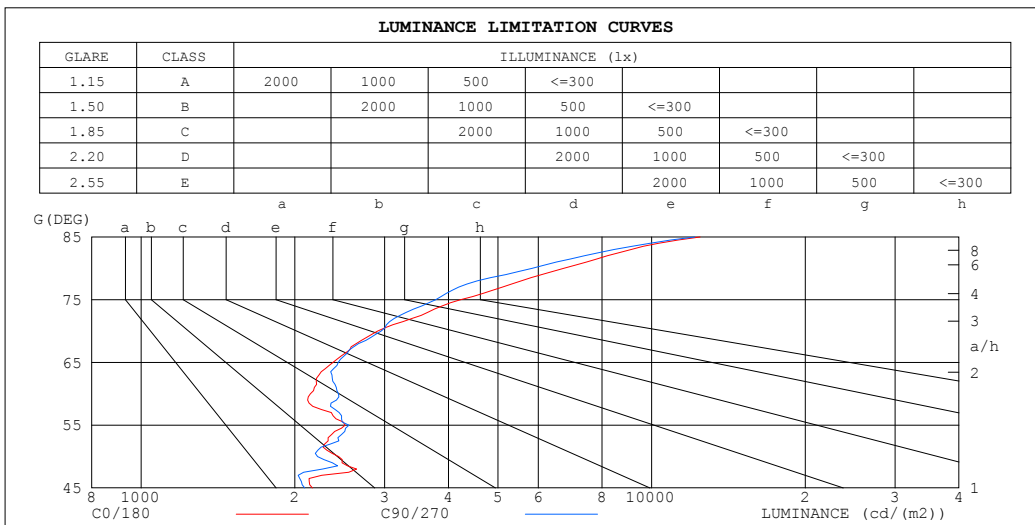
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	38.36	36.10	35.22	34.79	34.59	34.17	34.67	36.43	0- 10	2.272	2.272	0.16,0.16
20	105.7	101.2	92.59	87.58	69.12	72.93	75.92	83.80	10- 20	17.65	19.92	1.43,1.43
30	171.6	179.1	167.9	148.9	97.36	86.47	103.5	105.4	20- 30	51.21	71.14	5.11,5.11
40	188.6	188.8	186.7	160.7	115.3	109.0	107.4	106.7	30- 40	86.62	157.8	11.3,11.3
50	200.6	191.0	182.4	180.6	109.5	101.7	104.9	115.0	40- 50	111.1	268.8	19.3,19.3
60	137.3	144.4	156.0	169.3	124.1	100.7	106.2	105.9	50- 60	118.9	387.8	27.9,27.9
70	127.2	139.5	129.3	134.1	102.4	96.00	95.01	84.96	60- 70	108.8	496.5	35.7,35.7
80	149.5	147.9	129.7	126.3	103.0	100.3	83.99	96.86	70- 80	111.0	607.6	43.7,43.7
90	136.7	133.6	137.6	131.7	110.2	76.04	82.78	81.13	80- 90	115.1	722.6	51.9,51.9
100	129.3	119.7	119.1	129.3	97.10	71.82	76.13	84.55	90-100	111.9	834.6	60,60
110	128.7	121.1	140.3	137.7	98.46	67.57	63.92	71.60	100-110	104.6	939.2	67.5,67.5
120	131.8	121.3	127.5	131.0	104.8	71.27	67.68	77.15	110-120	102.7	1042	74.9,74.9
130	158.7	148.8	177.3	169.0	115.0	82.06	66.74	95.25	120-130	105.1	1147	82.4,82.4
140	155.3	167.5	164.8	169.2	98.01	90.80	81.03	109.3	130-140	101.1	1248	89.7,89.7
150	141.0	156.0	159.8	165.3	94.16	72.83	66.66	100.5	140-150	80.31	1328	95.5,95.5
160	60.40	91.02	84.71	96.80	59.21	58.85	34.70	58.80	150-160	46.85	1375	98.8,98.8
170	24.13	28.88	27.27	33.65	24.40	24.22	16.11	20.68	160-170	14.76	1390	99.9,99.9
180	0	0	0	0	0	0	0	0	170-180	1.375	1391	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	12448	12149
80	6726	5834
75	4224	3776
70	2906	2953
65	2376	2432
60	2145	2437
55	2510	2553
50	2438	2217
45	2166	2092

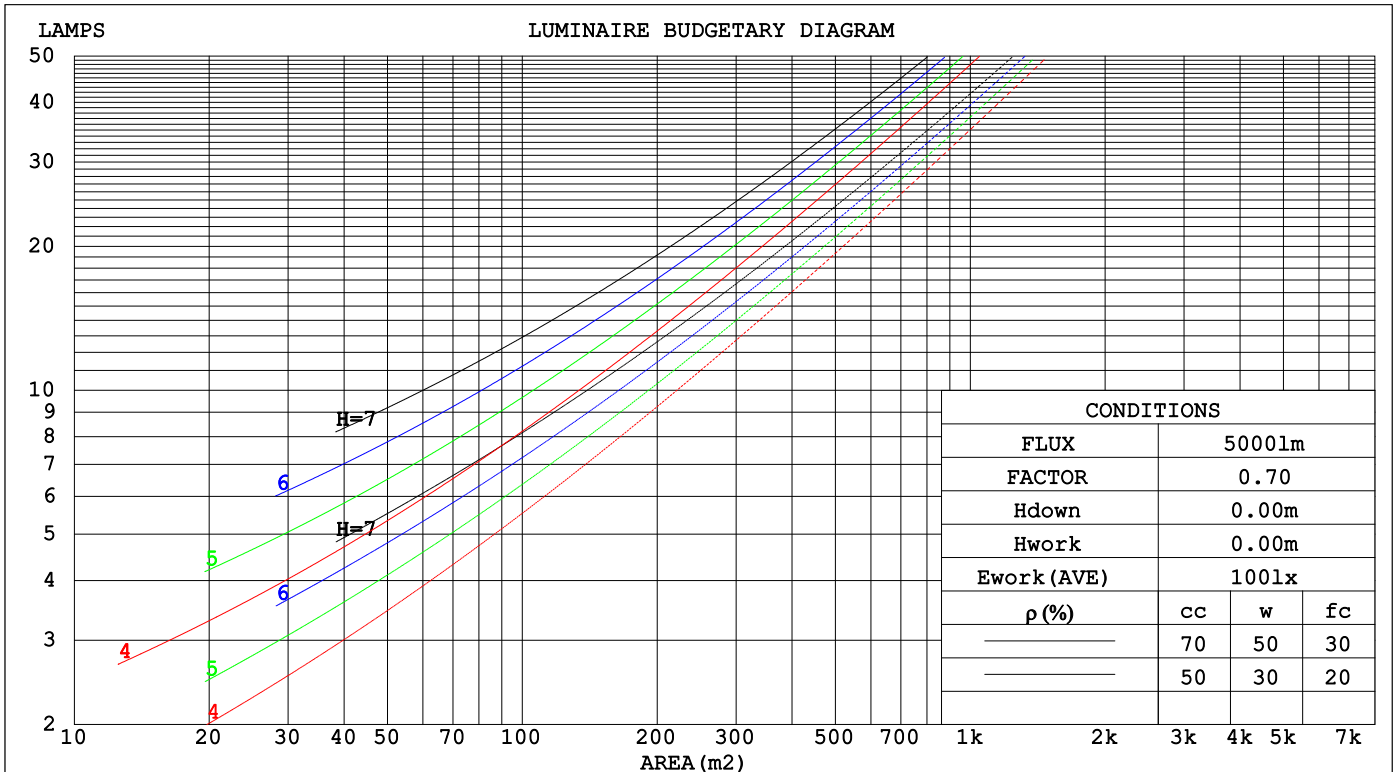
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 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
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 Test Distance: 30.000m [K=0.9305]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz		
Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	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						Coefficients of Utilization(CU)									
0.0	1.08	1.08	1.08	.00	.00	.00	.84	.84	.84	.71	.71	.71	.58	.58	.58	.52
1.0	.88	.83	.78	.81	.76	.72	.68	.64	.61	.56	.53	.51	.45	.43	.41	.35
2.0	.75	.67	.60	.69	.62	.56	.57	.52	.47	.47	.43	.39	.37	.34	.31	.27
3.0	.64	.55	.48	.59	.51	.45	.49	.43	.38	.40	.35	.31	.32	.28	.25	.21
4.0	.56	.47	.40	.51	.43	.37	.43	.36	.31	.35	.30	.26	.27	.23	.20	.16
5.0	.49	.40	.33	.45	.37	.31	.38	.31	.26	.31	.25	.21	.24	.20	.17	.13
6.0	.44	.34	.28	.40	.32	.26	.33	.27	.22	.27	.22	.18	.21	.17	.14	.11
7.0	.39	.30	.24	.36	.28	.22	.30	.23	.19	.24	.19	.15	.19	.15	.12	.09
8.0	.35	.26	.21	.32	.24	.19	.27	.21	.16	.22	.17	.13	.17	.13	.10	.08
9.0	.32	.23	.18	.29	.22	.17	.24	.18	.14	.20	.15	.11	.16	.12	.09	.07
10.0	.29	.21	.16	.27	.19	.15	.22	.16	.12	.18	.13	.10	.14	.11	.08	.06



C Range: 0 - 360DEG
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γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

WEC AND CCEC

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz		
Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	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	.391	.222	.070	.369	.211	.067	.329	.188	.060	.291	.168	.054	.256	.149	.048	
2.0	.332	.182	.056	.312	.172	.053	.274	.153	.047	.240	.135	.042	.208	.118	.037	
3.0	.292	.155	.047	.274	.147	.044	.240	.130	.039	.208	.114	.035	.179	.099	.031	
4.0	.262	.136	.040	.245	.128	.038	.214	.113	.034	.185	.099	.030	.158	.086	.026	
5.0	.237	.121	.035	.222	.114	.033	.193	.101	.030	.167	.088	.026	.142	.076	.023	
6.0	.217	.109	.031	.203	.103	.030	.177	.091	.026	.152	.079	.023	.129	.068	.020	
7.0	.200	.099	.028	.187	.093	.027	.163	.082	.024	.140	.072	.021	.118	.061	.018	
8.0	.185	.091	.025	.173	.085	.024	.151	.075	.021	.129	.065	.019	.109	.056	.016	
9.0	.173	.084	.023	.162	.079	.022	.140	.069	.020	.120	.060	.017	.101	.051	.015	
10.0	.161	.077	.021	.151	.073	.020	.131	.064	.018	.112	.056	.016	.095	.048	.014	

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	.557	.557	.557	.476	.476	.476	.325	.325	.325	.187	.187	.187	.060	.060	.060	
1.0	.555	.525	.497	.475	.450	.428	.325	.310	.296	.187	.179	.172	.060	.058	.056	
2.0	.549	.503	.465	.470	.433	.402	.322	.300	.280	.186	.174	.164	.060	.056	.054	
3.0	.542	.488	.445	.465	.421	.386	.319	.293	.271	.184	.171	.159	.059	.055	.052	
4.0	.535	.477	.432	.459	.412	.375	.316	.287	.264	.183	.168	.156	.059	.055	.051	
5.0	.528	.468	.423	.454	.405	.368	.312	.283	.260	.181	.166	.154	.058	.054	.051	
6.0	.521	.460	.416	.448	.399	.363	.309	.279	.257	.179	.164	.152	.058	.054	.050	
7.0	.515	.454	.412	.443	.394	.359	.306	.276	.254	.178	.163	.151	.057	.053	.050	
8.0	.508	.449	.408	.438	.389	.356	.303	.273	.252	.176	.161	.150	.057	.053	.050	
9.0	.502	.445	.405	.433	.386	.354	.300	.271	.251	.175	.160	.150	.057	.053	.050	
10.0	.497	.441	.403	.428	.383	.352	.297	.269	.250	.173	.159	.149	.056	.052	.049	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz										
Lamp Flux:1391.36x1 lm										
NAME:			TYPE:			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	12.7	13.8	13.5	14.6	15.8	13.2	14.3	14.0	15.2	16.3
3H	15.1	16.1	16.0	17.0	18.1	15.6	16.5	16.4	17.4	18.6
4H	17.0	18.0	17.9	18.9	20.0	17.1	18.0	18.0	18.9	20.1
6H	19.4	20.3	20.3	21.2	22.4	19.1	19.9	20.0	20.9	22.1
8H	20.7	21.5	21.6	22.5	23.7	20.3	21.1	21.2	22.1	23.3
12H	22.0	22.8	22.9	23.7	24.9	21.7	22.5	22.6	23.4	24.6
4H 2H	13.5	14.4	14.3	15.3	16.5	13.8	14.8	14.7	15.7	16.8
3H	16.2	17.0	17.1	17.9	19.1	16.5	17.3	17.4	18.2	19.4
4H	18.1	18.9	19.1	19.8	21.1	18.2	18.9	19.1	19.9	21.1
6H	20.6	21.3	21.6	22.2	23.5	20.5	21.1	21.4	22.1	23.3
8H	22.0	22.6	23.0	23.6	24.9	21.8	22.4	22.8	23.4	24.7
12H	23.5	24.0	24.4	25.0	26.3	23.3	23.9	24.3	24.9	26.1
8H 4H	18.9	19.5	19.9	20.5	21.8	19.0	19.6	19.9	20.6	21.8
6H	21.5	22.1	22.5	23.0	24.3	21.5	22.0	22.5	23.0	24.3
8H	23.1	23.6	24.1	24.6	25.9	23.0	23.5	24.0	24.5	25.8
12H	24.8	25.2	25.8	26.2	27.5	24.7	25.1	25.7	26.2	27.5
12H 4H	19.1	19.7	20.1	20.7	22.0	19.2	19.7	20.1	20.7	22.0
6H	21.9	22.4	22.9	23.4	24.7	21.9	22.3	22.9	23.3	24.6
8H	23.5	23.9	24.5	24.9	26.3	23.5	23.9	24.5	24.9	26.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H	+ 0.2 / - 0.2					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.4				

CIE Pub.117, 1391 lm Total Lamp Luminous Flux Corrected (8log(F/F0) = 1.1)
 Area: 0.128 m2

C Range: 0 - 360DEG	γ Range: 0 - 180DEG
C Interval: 15.0DEG	γ Interval: 0.5DEG
Test Speed: HIGH	Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Temperature:24.5°C	Humidity:65.0%
Operators:Dingmin Zhang	Test Distance:30.000m [K=0.9305]
Test Date:2025-11-15	Remarks:

UTILIZATION FACTORS TABLE

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
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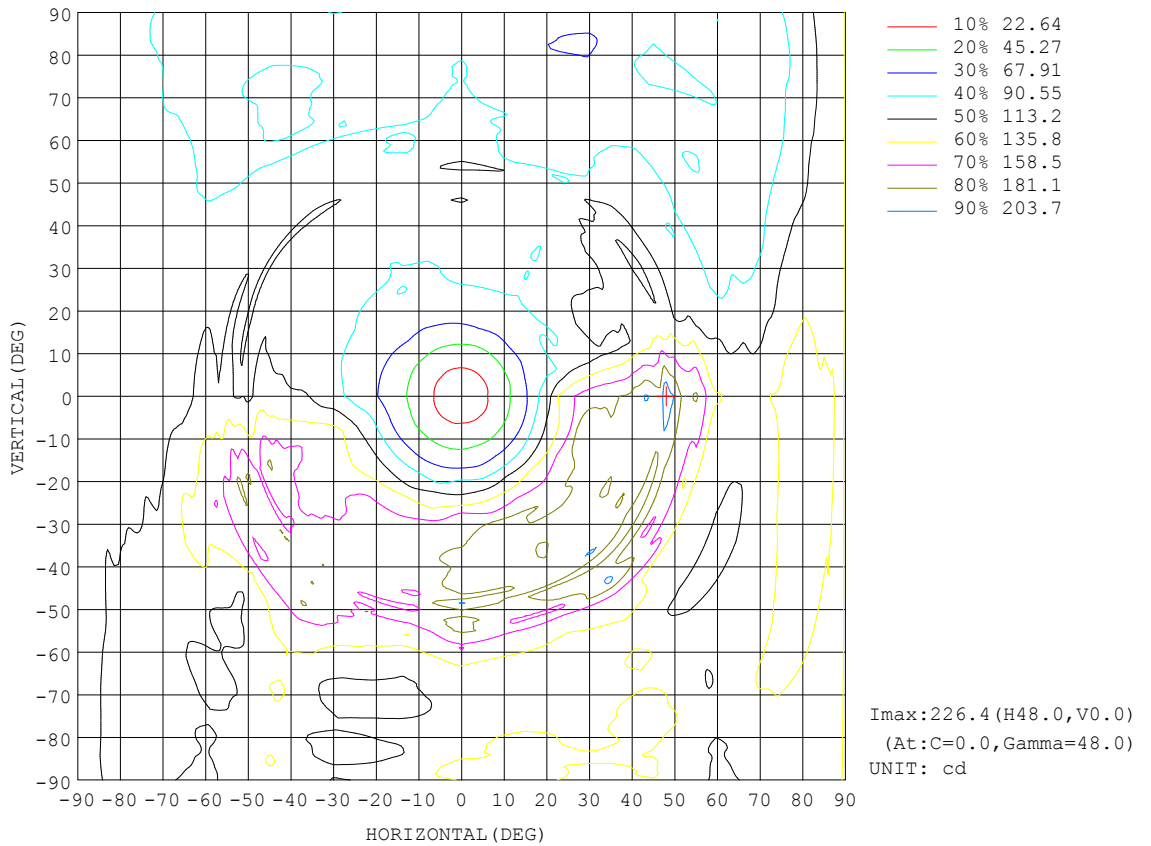
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) k(RI) x RCR = 5									
k = 0.60	37	24	17	35	23	16	31	21	15	8
0.80	46	32	24	43	31	23	38	27	21	11
1.00	53	40	31	50	37	29	44	35	26	15
1.25	60	47	38	56	44	36	49	39	32	18
1.50	66	52	43	61	49	41	53	43	36	21
2.00	73	61	52	68	57	49	58	50	43	25
2.50	78	67	58	73	63	55	62	54	48	28
3.00	82	72	64	76	67	59	65	58	52	30
4.00	87	78	71	81	73	66	69	62	57	34
5.00	91	83	76	84	77	71	71	66	61	36
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:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
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MFR.:	SUR.:	Shielding Angle:

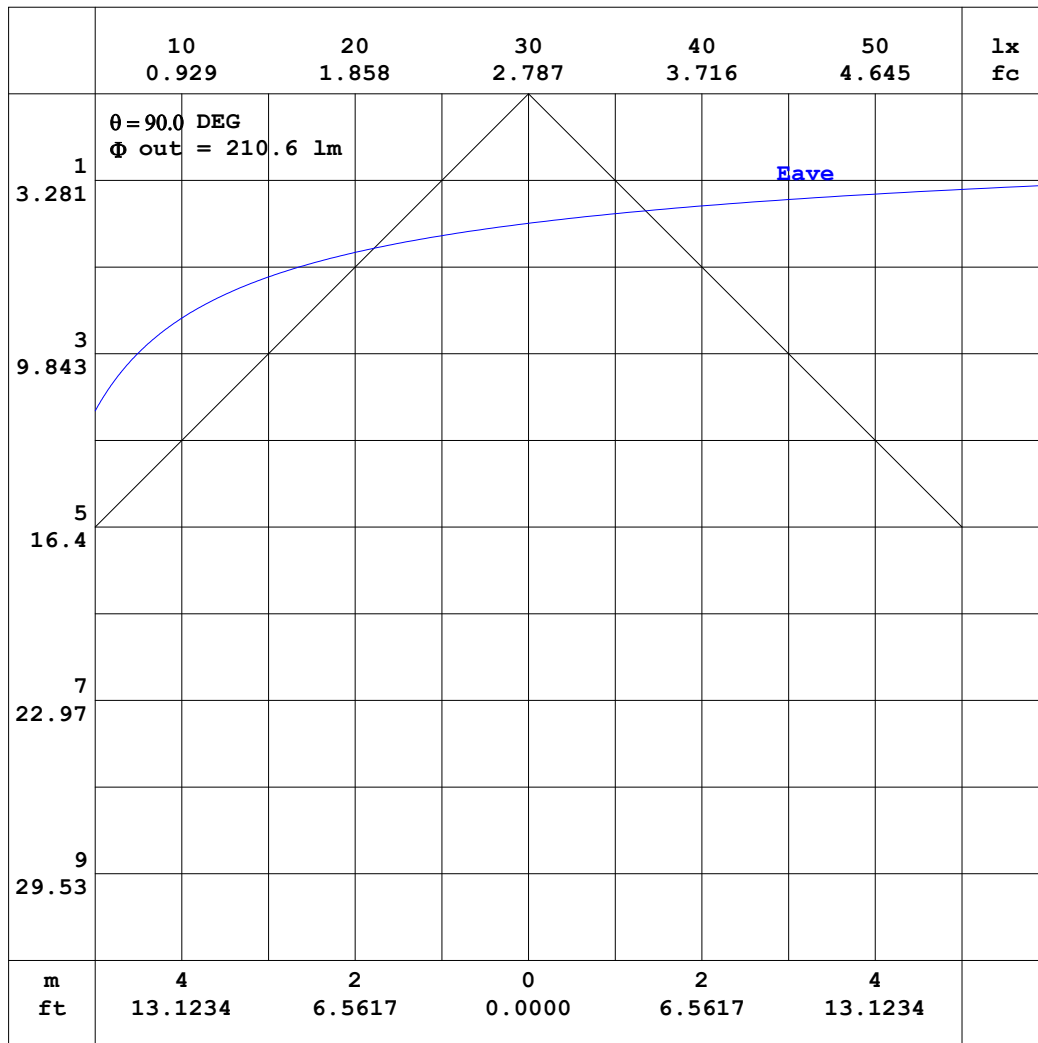


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
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γ Range: 0 - 180DEG
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

AAI CURVES

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SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:



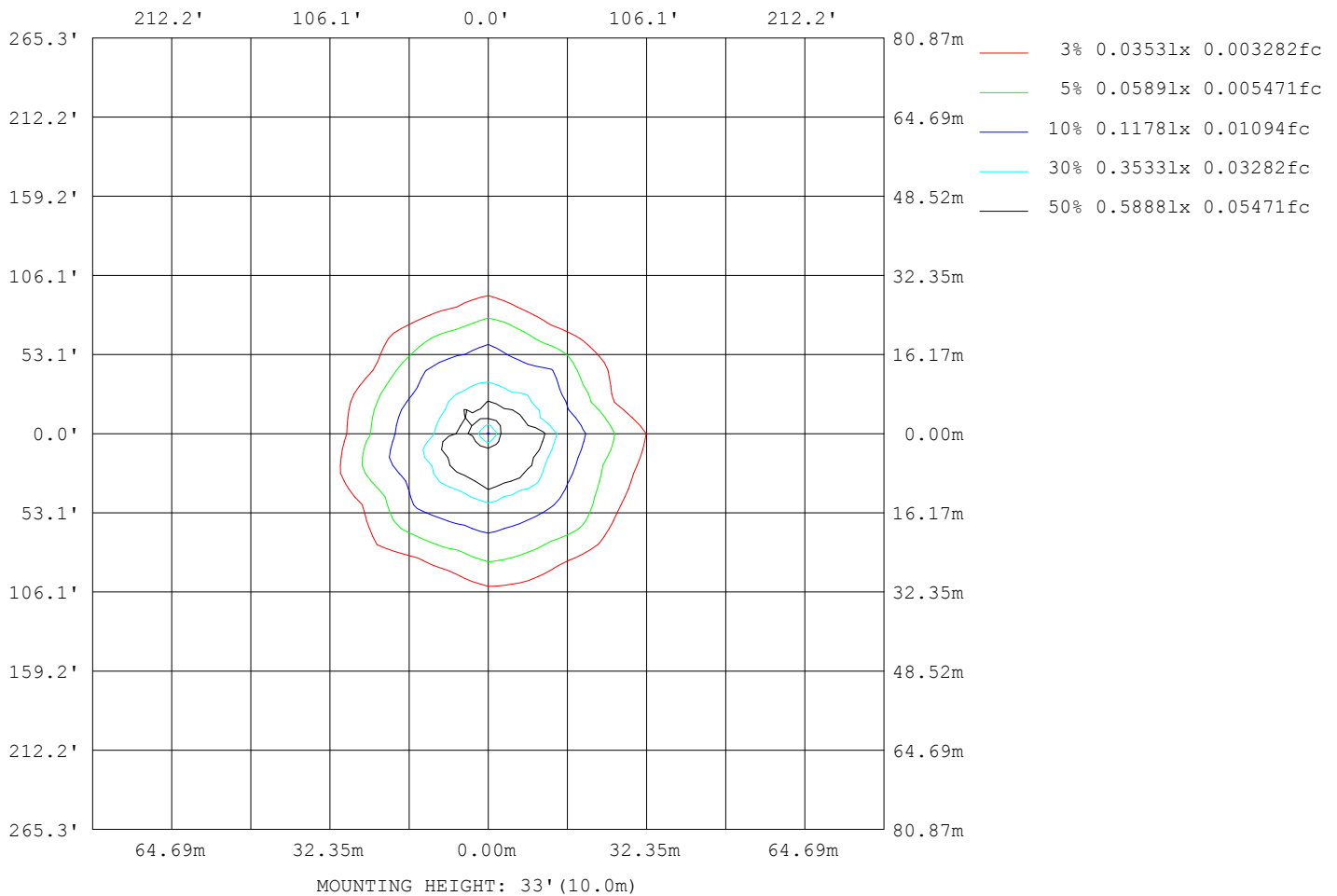
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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γ Range: 0 - 180DEG
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 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity: 65.0%
 Test Distance: 30.000m [K=0.9305]
 Remarks:

ISOLUX DIAGRAM

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks:

LED Avg.L Report

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
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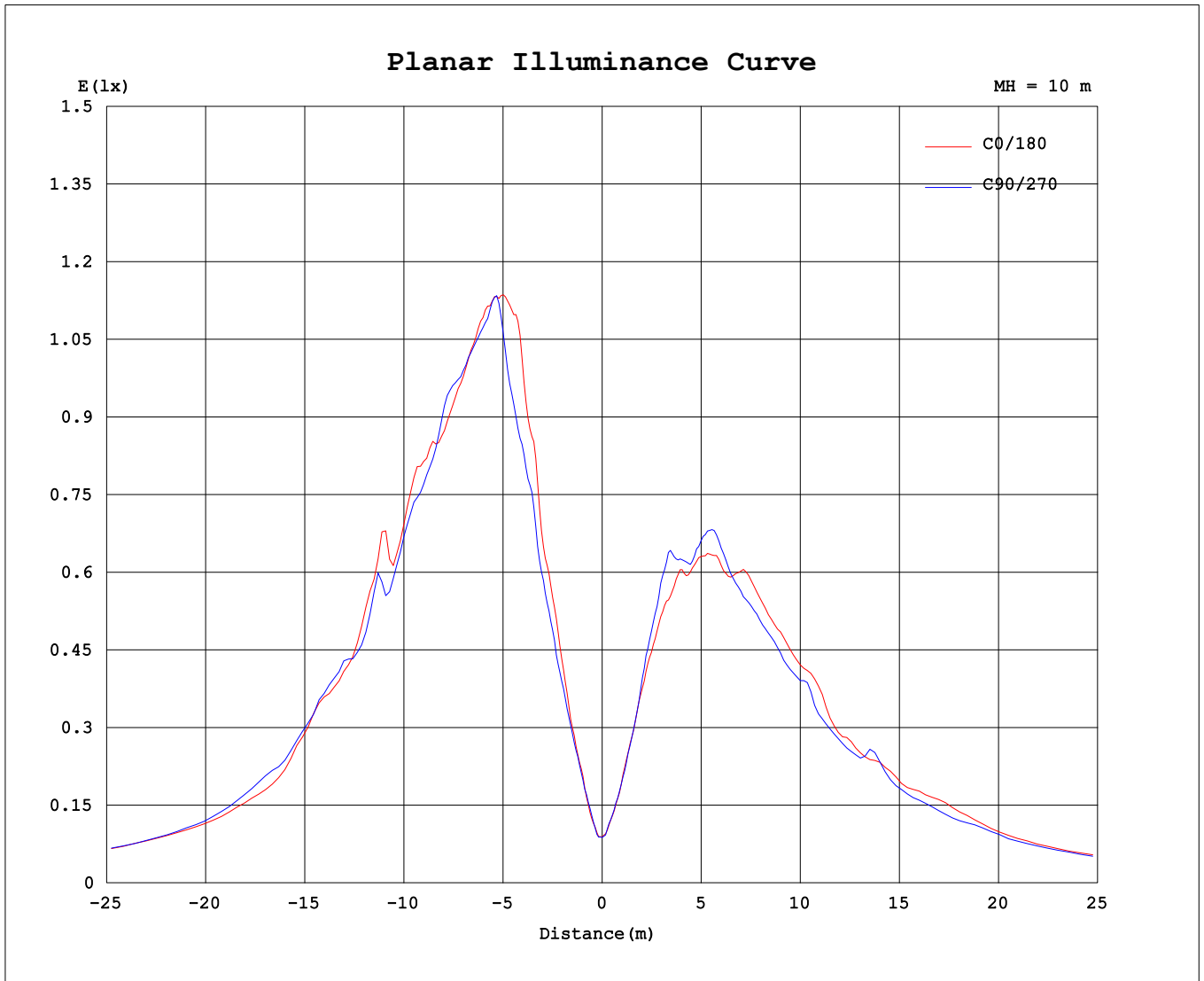
AvgL	cd/m2
L_0~180 (65) av	2182
L_0~180 (75) av	3715
L_0~180 (85) av	11081
L_90~270 (65) av	2147
L_90~270 (75) av	3276
L_90~270 (85) av	9518
L_45 (65) av	2154
L_45 (75) av	3497
L_45 (85) av	9696

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:24.5°C
Operators:Dingmin Zhang
Test Date:2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity:65.0%
Test Distance:30.000m [K=0.9305]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 24.5°C
Operators: Dingmin Zhang
Test Date: 2025-11-15

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.00.463
Humidity: 65.0%
Test Distance: 30.000m [K=0.9305]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz		
Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	8.89	8.87	8.79	8.87	8.87	8.87	8.79	8.87	8.79	8.96	8.88	8.88	8.89	8.87	8.79	8.87	8.87	8.87	8.79
5	18.6	18.0	18.0	17.8	17.9	18.4	18.3	17.8	17.4	17.5	17.2	17.5	17.6	17.9	18.2	18.2	18.3	18.2	17.9
10	38.4	37.6	36.5	36.1	35.4	35.2	35.2	34.3	34.7	34.8	34.6	34.9	34.6	34.2	34.1	34.2	34.0	34.7	34.7
15	66.3	64.8	64.2	63.6	60.4	58.8	58.3	56.6	57.3	56.5	55.7	56.1	52.4	53.8	54.3	57.7	57.7	59.2	57.8
20	106	108	102	101	99.1	91.5	92.6	86.6	88.0	87.6	85.3	83.5	69.1	70.4	71.2	72.9	72.8	75.7	75.9
25	150	145	150	147	141	136	130	128	121	119	119	111	82.5	80.5	81.4	84.5	79.7	82.8	84.8
30	172	195	177	179	181	178	168	158	153	149	136	142	97.4	92.8	91.6	86.5	89.7	84.5	104
35	178	185	185	183	185	195	180	178	165	162	153	153	110	99.5	97.8	107	90.9	94.2	103
40	189	185	180	189	179	191	187	167	165	161	151	161	115	101	95.9	109	100	102	107
45	196	203	197	199	192	190	189	167	163	174	158	172	119	107	100	111	101	107	111
50	201	179	185	191	197	162	182	157	163	181	158	158	109	104	99.1	102	104	102	105
55	184	133	166	172	161	167	187	148	156	172	172	187	118	111	111	104	110	97.6	114
60	137	115	126	144	130	146	156	132	146	169	140	156	124	106	92.0	101	95.8	88.1	106
65	129	105	107	128	122	119	132	115	121	151	110	145	108	103	94.5	90.0	89.5	88.1	101
70	127	117	122	139	118	123	129	104	107	134	105	132	102	100	81.0	96.0	84.4	81.4	95.0
75	140	125	117	139	124	118	125	107	105	140	110	122	106	105	78.9	96.8	86.2	82.3	92.0
80	150	135	120	148	130	140	130	116	112	126	108	128	103	103	75.6	100	77.9	79.0	84.0
85	139	135	113	136	138	138	136	114	103	133	110	126	108	98.9	70.6	73.1	89.7	79.6	76.8
90	137	120	109	134	127	144	138	116	112	132	109	118	110	94.6	75.0	76.0	91.8	81.5	82.8
95	129	125	103	125	120	126	125	119	119	143	116	127	105	100	74.3	73.6	88.4	73.2	81.7
100	129	114	101	120	111	118	119	116	110	129	109	124	97.1	98.7	71.7	71.8	85.1	68.4	76.1
105	137	121	106	120	131	124	124	120	120	134	114	124	95.5	100	69.7	68.8	70.8	57.6	63.9
110	129	122	128	121	118	116	140	118	115	138	124	132	98.5	114	78.0	67.6	69.6	58.0	63.9
115	136	125	125	117	123	133	129	118	133	132	128	131	119	107	79.2	72.9	81.8	59.6	70.5
120	132	137	120	121	129	129	127	124	129	131	135	145	105	105	91.1	71.3	82.8	63.1	67.7
125	156	156	145	146	153	142	145	138	139	142	155	163	106	110	97.0	77.5	81.4	68.5	61.6
130	159	167	165	149	153	162	177	156	170	169	170	185	115	129	102	82.1	80.0	69.3	66.7
135	159	162	163	164	165	170	169	183	179	181	179	180	101	103	96.8	96.3	81.5	67.7	71.3
140	155	174	166	167	161	164	165	171	181	169	170	163	98.0	98.5	91.4	90.8	77.8	74.8	81.0
145	161	180	171	168	163	164	168	164	165	165	171	153	92.3	98.0	85.7	77.3	76.8	74.9	73.2
150	141	162	155	156	162	158	160	162	165	165	152	144	94.2	95.5	79.8	72.8	65.0	67.1	66.7
155	103	123	140	139	143	133	123	146	139	126	124	117	71.2	86.9	71.9	61.9	61.4	68.8	56.2
160	60.4	83.7	87.3	91.0	96.1	88.9	84.7	97.6	96.7	96.8	89.6	79.3	59.2	61.5	62.9	58.9	54.3	47.7	34.7
165	44.6	54.0	54.7	56.9	56.3	58.3	51.7	63.2	62.0	61.6	60.2	53.2	46.5	48.2	52.4	47.9	44.3	37.9	32.5
170	24.1	26.7	28.3	28.9	29.2	28.4	27.3	31.7	33.1	33.6	30.7	27.7	24.4	25.2	26.3	24.2	21.5	20.7	16.1
175	10.3	9.97	9.85	9.70	9.45	9.47	9.97	11.9	13.1	12.6	11.7	9.86	9.79	10.2	10.7	8.18	5.80	4.34	3.93
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:24.5°C

Operators:Dingmin Zhang

Test Date:2025-11-15

γ Range: 0 - 180DEG

γ Interval: 0.5DEG

Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463

Humidity:65.0%

Test Distance:30.000m [K=0.9305]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.34V I:0.4458A P:31.253W PF:0.5826 Freq:60.01Hz Lamp Flux:1391.36x1 lm		
NAME:	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	8.87	8.79	8.96	8.88	8.88														
5	18.0	17.8	17.9	18.4	18.0														
10	35.4	36.0	36.4	36.7	37.1														
15	58.2	60.7	64.0	63.3	65.7														
20	76.8	78.3	83.8	82.4	85.5														
25	84.4	89.0	90.5	88.3	98.4														
30	98.1	91.9	105	107	106														
35	96.6	90.9	106	124	110														
40	102	91.7	107	117	112														
45	99.5	95.1	119	114	117														
50	95.3	104	115	110	120														
55	95.1	88.9	109	108	106														
60	81.6	78.1	106	90.7	91.8														
65	83.5	78.9	97.2	80.9	82.3														
70	77.3	70.9	85.0	92.3	76.3														
75	74.5	70.9	87.3	85.6	78.0														
80	71.0	68.2	96.9	91.0	82.0														
85	72.1	65.1	90.5	83.3	83.9														
90	83.2	68.6	81.1	90.4	90.0														
95	77.5	66.2	87.6	100	89.4														
100	68.9	58.9	84.5	102	84.7														
105	60.4	59.2	78.7	94.1	77.3														
110	62.7	58.9	71.6	84.0	79.4														
115	70.4	57.5	71.1	89.1	87.7														
120	74.7	60.0	77.1	103	96.7														
125	76.3	67.0	80.4	106	86.6														
130	80.9	78.1	95.3	125	107														
135	83.4	80.6	109	123	111														
140	84.5	83.1	109	118	111														
145	82.3	82.6	100	119	122														
150	80.2	82.7	101	108	115														
155	76.3	72.1	83.7	87.8	97.3														
160	51.7	53.1	58.8	61.5	58.1														
165	39.5	35.6	41.7	45.4	44.8														
170	17.0	19.4	20.7	22.6	25.7														
175	3.58	4.09	5.44	7.84	9.36														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:24.5°C
 Operators:Dingmin Zhang
 Test Date:2025-11-15

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.00.463
 Humidity:65.0%
 Test Distance:30.000m [K=0.9305]
 Remarks: