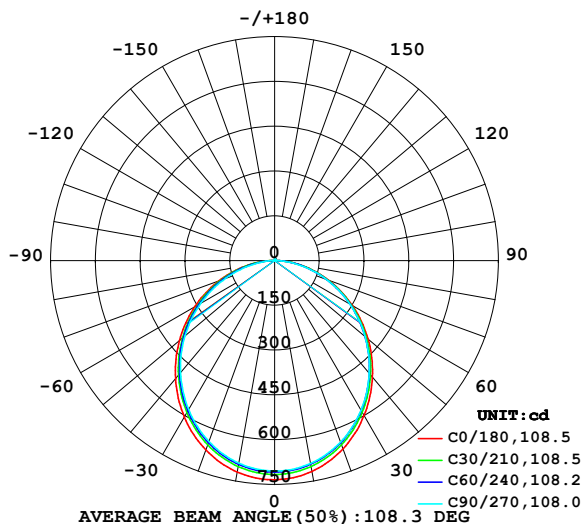


LUMINAIRE PHOTOMETRIC TEST REPORT

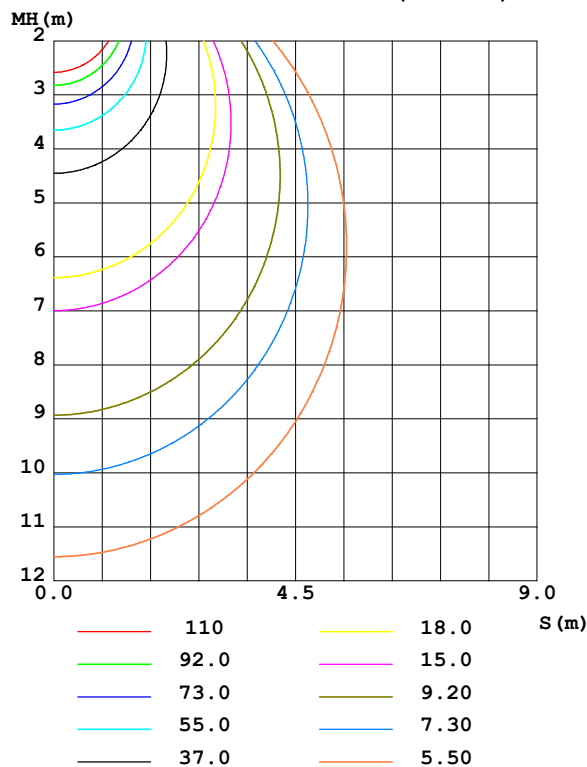
Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 108.79 lm/W			
MODEL		I _{max} (cd)	734.0	S/MH(C0/180)	1.23
NOMINAL POWER(W)	18W	LOR(%)	100.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1964.1	η UP,DN(C0-180)	0.4,49.7
NOMINAL FLUX(lm)	1964.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.4,49.5
LAMPS INSIDE	1	η up (%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)		η down (%)	99.2	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:28 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

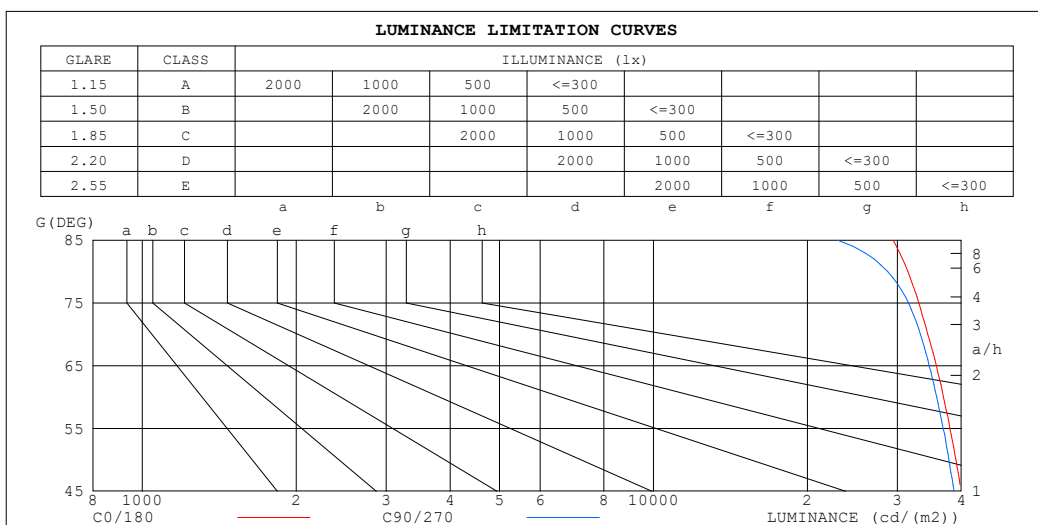
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	717.2	696.1	690.3	688.0	719.3	696.4	689.0	687.2	0- 10	66.99	66.99	3.41,3.41
20	670.9	651.8	646.9	644.7	674.9	652.3	644.7	643.2	10- 20	190.5	257.5	13.1,13.1
30	599.3	583.0	579.1	577.0	605.0	584.0	576.4	575.3	20- 30	284.9	542.4	27.6,27.6
40	510.0	496.5	493.4	491.7	516.5	497.9	490.7	490.0	30- 40	338.0	880.4	44.8,44.8
50	408.6	398.1	396.0	394.4	416.0	400.2	392.0	393.1	40- 50	345.4	1226	62.4,62.4
60	300.7	293.2	291.5	290.5	308.3	295.2	284.8	287.8	50- 60	308.9	1535	78.1,78.1
70	191.6	187.0	185.4	184.9	199.3	187.9	174.6	179.3	60- 70	236.2	1771	90.2,90.2
80	88.99	87.01	81.19	78.73	90.34	83.92	68.67	75.01	70- 80	140.1	1911	97.3,97.3
90	3.045	1.568	1.072	0.9991	5.453	1.247	0.8550	1.596	80- 90	38.24	1949	99.2,99.2
100	1.341	1.269	1.209	1.241	1.159	1.121	1.077	1.081	90-100	1.151	1950	99.3,99.3
110	1.919	1.842	1.793	1.792	1.747	1.662	1.615	1.622	100-110	1.539	1952	99.4,99.4
120	2.519	2.414	2.371	2.372	2.331	2.212	2.160	2.176	110-120	2.004	1954	99.5,99.5
130	3.059	2.939	2.904	2.895	2.892	2.760	2.682	2.695	120-130	2.304	1956	99.6,99.6
140	3.503	3.372	3.353	3.332	3.359	3.197	3.127	3.144	130-140	2.365	1959	99.7,99.7
150	3.846	3.739	3.723	3.703	3.751	3.593	3.520	3.532	140-150	2.175	1961	99.8,99.8
160	4.149	4.068	4.037	4.003	4.093	3.944	3.857	3.840	150-160	1.764	1963	99.9,99.9
170	4.340	4.242	4.222	4.242	4.357	4.186	4.087	4.124	160-170	1.161	1964	100,100
180	4.413	4.312	4.256	4.253	4.452	4.309	4.245	4.247	170-180	0.4048	1964	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:28 July 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	29455	22941
80	31479	28718
75	33049	31532
70	34415	33289
65	35746	34618
60	36943	35814
55	38030	36894
50	39050	37840
45	40001	38719

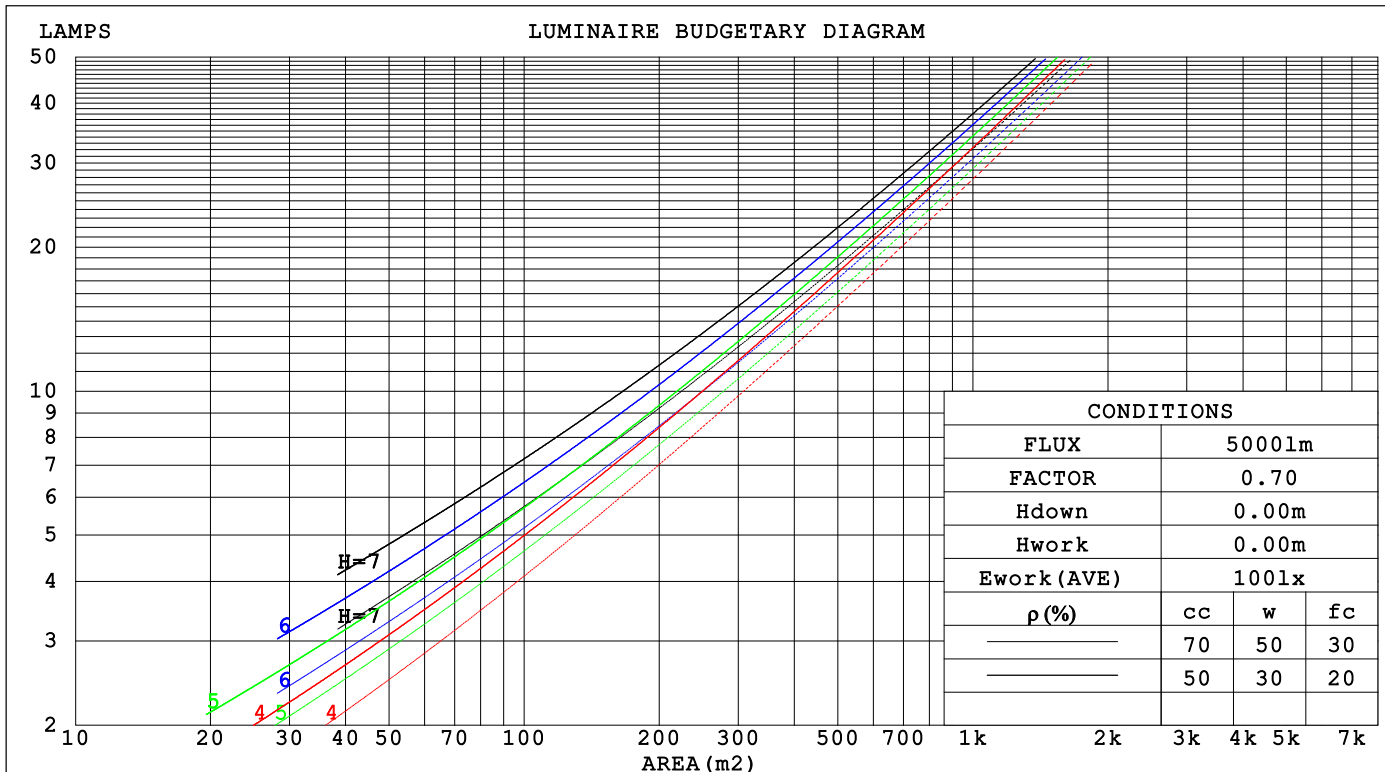
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 28 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.04	.99	.96	1.01	.97	.94	.97	.94	.91	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.78	.88	.82	.77	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.62	.69	.64	.60	.58
4.0	.70	.61	.55	.69	.61	.54	.66	.59	.53	.64	.58	.53	.62	.56	.52	.50
5.0	.63	.54	.47	.62	.53	.47	.59	.52	.46	.57	.51	.46	.55	.50	.45	.43
6.0	.57	.48	.41	.56	.47	.41	.54	.46	.41	.52	.45	.40	.50	.44	.40	.38
7.0	.51	.43	.36	.50	.42	.36	.49	.41	.36	.47	.41	.36	.46	.40	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.32	.42	.36	.32	.30
9.0	.43	.35	.29	.42	.35	.29	.41	.34	.29	.40	.33	.29	.39	.33	.29	.27
10.0	.40	.32	.27	.39	.32	.26	.38	.31	.26	.37	.31	.26	.36	.30	.26	.24



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3℃
Operators:CAM
Test Date:28 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity:65.0%
Test Distance:8.910m [K=1.0000]
Remarks:

WEC AND CCEC

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm					
NAME: P101004			TYPE: 4000K		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:
MFR.:			SUR.: D144mm		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	.310	.176	.056	.302	.173	.055	.289	.166	.053	.276	.159	.051	.265	.153	.049		
2.0	.291	.159	.049	.285	.157	.048	.272	.152	.047	.261	.147	.046	.251	.142	.045		
3.0	.269	.143	.043	.263	.141	.042	.253	.137	.042	.243	.133	.041	.234	.129	.040		
4.0	.248	.129	.038	.243	.127	.038	.234	.124	.037	.225	.121	.036	.217	.118	.036		
5.0	.229	.117	.034	.225	.115	.034	.216	.113	.033	.209	.110	.033	.201	.108	.032		
6.0	.213	.107	.031	.209	.105	.030	.201	.103	.030	.194	.101	.030	.188	.099	.029		
7.0	.198	.098	.028	.194	.097	.028	.188	.095	.027	.181	.093	.027	.175	.091	.027		
8.0	.185	.090	.025	.182	.089	.025	.176	.088	.025	.170	.086	.025	.165	.084	.025		
9.0	.173	.084	.023	.170	.083	.023	.165	.082	.023	.160	.080	.023	.155	.079	.023		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.151	.075	.021	.146	.074	.021		

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	.196	.196	.196	.168	.168	.168	.114	.114	.114	.066	.066	.066	.021	.021	.021		
1.0	.186	.162	.140	.159	.139	.121	.109	.096	.083	.063	.055	.049	.020	.018	.016		
2.0	.178	.138	.104	.152	.119	.090	.104	.082	.063	.060	.048	.037	.019	.015	.012		
3.0	.170	.120	.080	.146	.104	.070	.100	.072	.049	.058	.042	.029	.019	.014	.009		
4.0	.163	.107	.064	.139	.092	.056	.096	.064	.039	.055	.038	.023	.018	.012	.008		
5.0	.155	.096	.053	.133	.083	.046	.092	.058	.033	.053	.034	.019	.017	.011	.006		
6.0	.148	.088	.045	.127	.076	.039	.088	.053	.028	.051	.031	.017	.016	.010	.005		
7.0	.141	.081	.039	.121	.070	.034	.084	.049	.024	.049	.029	.014	.016	.010	.005		
8.0	.135	.075	.035	.116	.065	.030	.080	.046	.022	.047	.027	.013	.015	.009	.004		
9.0	.129	.070	.031	.111	.061	.027	.077	.043	.019	.045	.025	.012	.014	.008	.004		
10.0	.123	.066	.028	.106	.057	.025	.073	.040	.018	.043	.024	.011	.014	.008	.003		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:28 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

UGR(Unified Glare Rating) Table

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm										
NAME: P101004					TYPE: 4000K			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:		
MFR.:					SUR.: D144mm			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	23.1	24.6	23.4	24.8	25.0	23.0	24.5	23.2	24.7	24.9
3H	24.7	26.1	25.0	26.3	26.6	24.5	25.9	24.8	26.1	26.4
4H	25.3	26.7	25.7	26.9	27.2	25.1	26.5	25.5	26.7	27.0
6H	25.9	27.1	26.2	27.4	27.7	25.6	26.9	26.0	27.1	27.4
8H	26.0	27.2	26.4	27.5	27.8	25.8	27.0	26.1	27.3	27.6
12H	26.2	27.3	26.5	27.6	28.0	25.8	27.0	26.2	27.3	27.6
4H 2H	23.7	25.0	24.0	25.3	25.5	23.6	24.9	23.9	25.2	25.4
3H	25.4	26.6	25.8	26.9	27.2	25.3	26.5	25.7	26.8	27.1
4H	26.2	27.3	26.6	27.6	28.0	26.1	27.1	26.5	27.5	27.8
6H	26.9	27.9	27.3	28.2	28.6	26.7	27.6	27.1	28.0	28.4
8H	27.2	28.0	27.6	28.4	28.8	26.9	27.8	27.3	28.2	28.6
12H	27.4	28.2	27.8	28.6	29.0	27.0	27.8	27.5	28.2	28.7
8H 4H	26.5	27.4	27.0	27.8	28.2	26.4	27.3	26.8	27.7	28.1
6H	27.4	28.1	27.8	28.5	29.0	27.2	27.9	27.6	28.3	28.8
8H	27.7	28.4	28.2	28.8	29.3	27.5	28.1	27.9	28.6	29.0
12H	28.0	28.6	28.5	29.0	29.5	27.7	28.2	28.2	28.7	29.2
12H 4H	26.6	27.4	27.0	27.8	28.2	26.4	27.2	26.9	27.6	28.0
6H	27.4	28.1	27.9	28.5	29.0	27.3	27.9	27.7	28.3	28.8
8H	27.8	28.4	28.3	28.9	29.3	27.6	28.2	28.1	28.6	29.1
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117, 1964 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 2.3)
Area: 0.01628 m2

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:28 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:

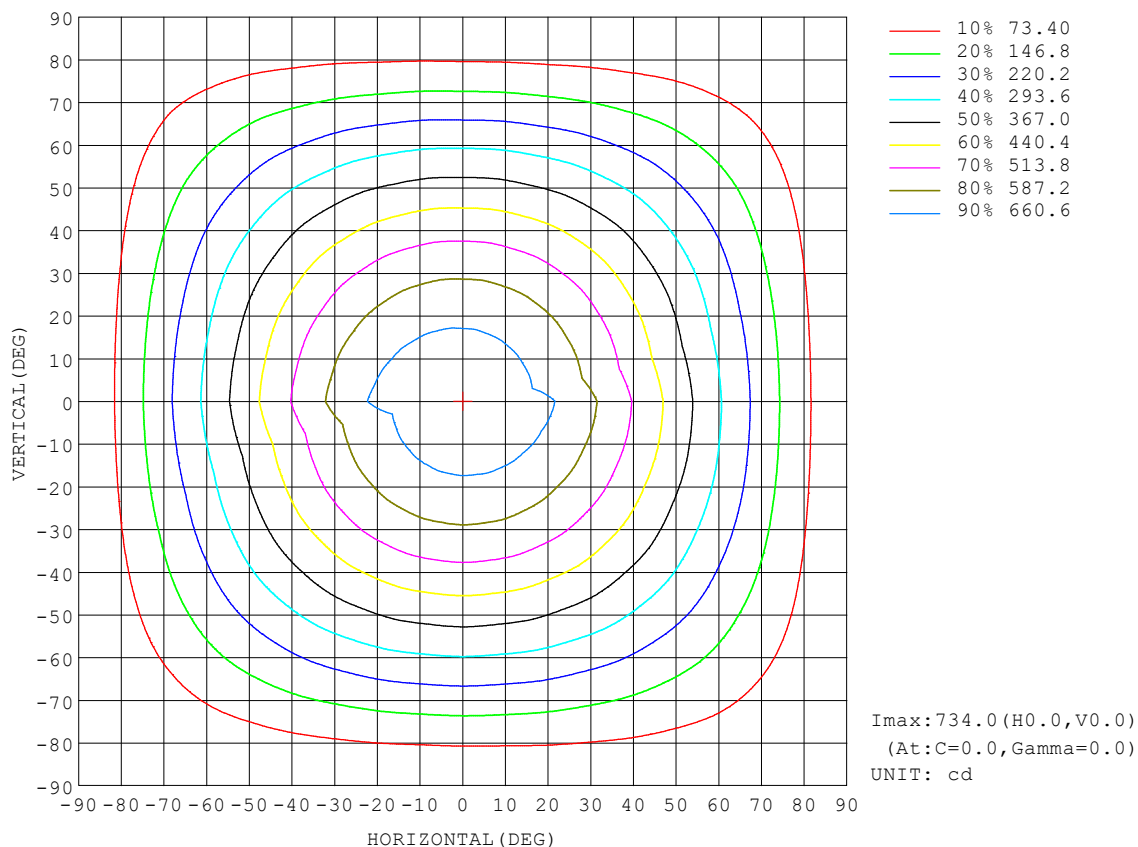
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	58	46	39	57	46	39	56	45	39	32
0.80	68	56	49	67	56	49	65	55	48	41
1.00	76	65	58	75	64	57	72	66	57	50
1.25	83	73	65	82	72	65	79	70	64	57
1.50	88	78	71	86	77	71	83	75	69	62
2.00	95	86	80	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	82
5.00	108	104	100	106	102	98	101	98	95	85
ROOM INDEX	UF (total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: CAM
Test Date: 28 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:

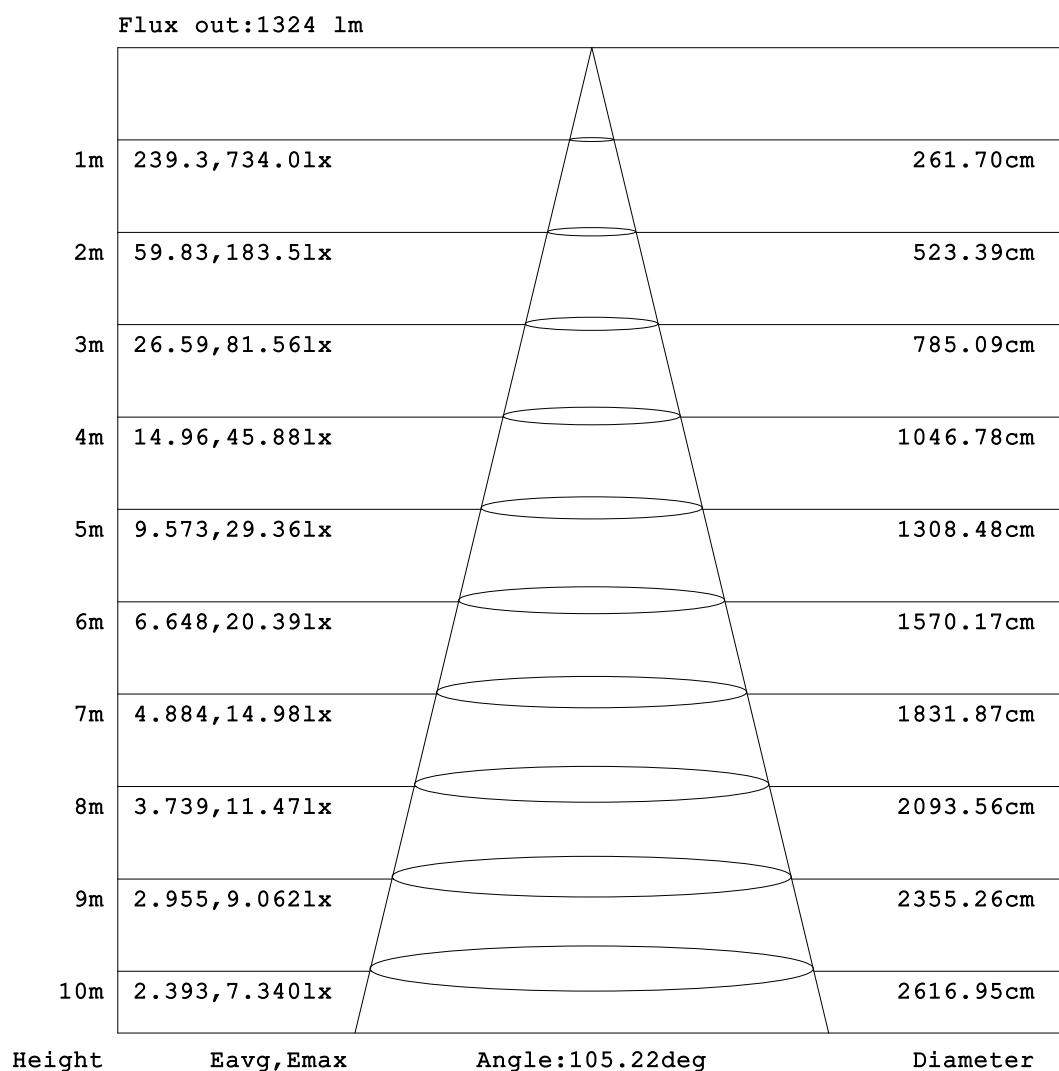


C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CAM
 Test Date:28 July 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:8.910m [K=1.0000]
 Remarks:

AAI Figure

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:



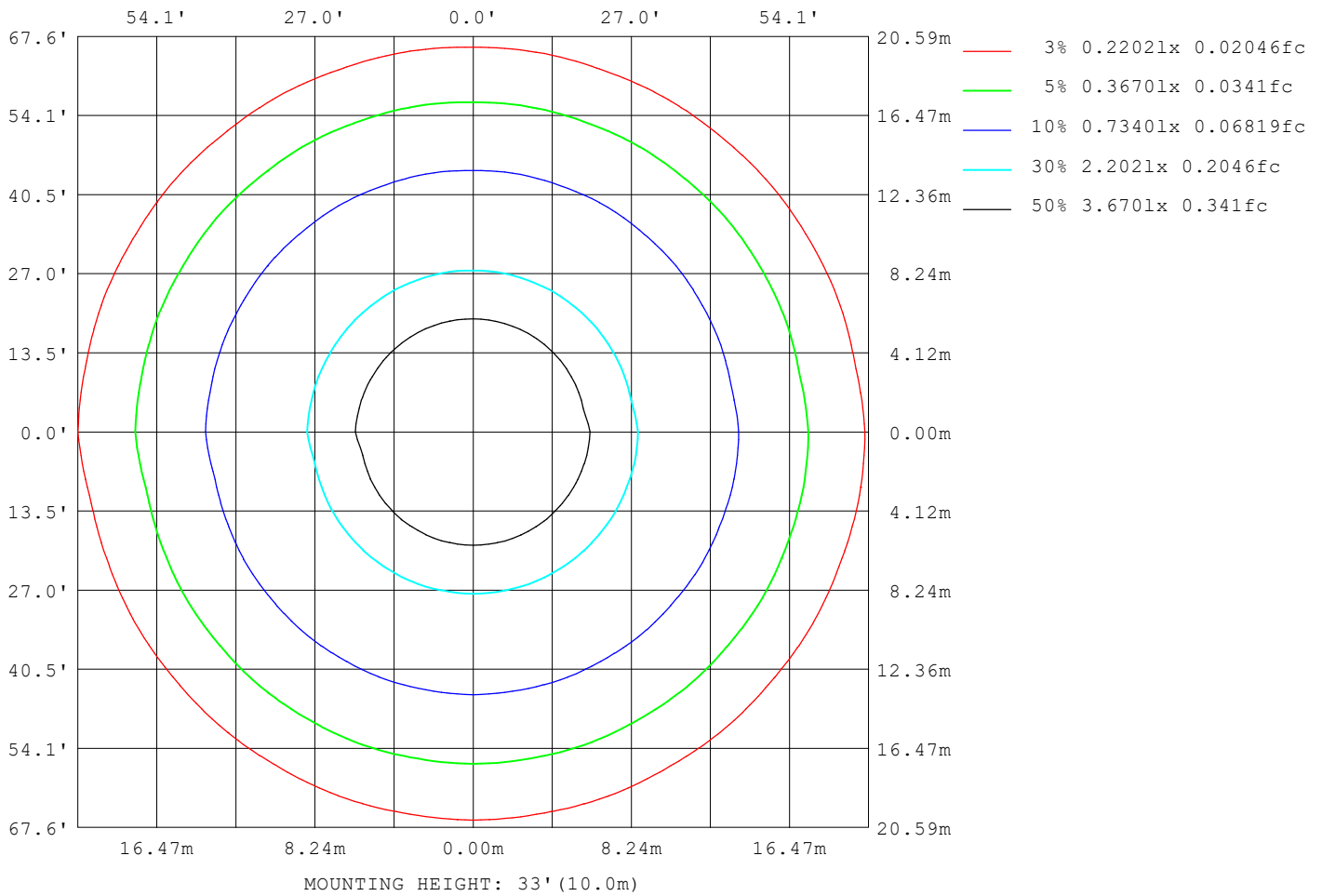
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3℃
 Operators:CAM
 Test Date:28 July 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473
 Humidity:65.0%
 Test Distance:8.910m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3°C
Operators: CAM
Test Date: 28 July 2025

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

LED Avg.L Report

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:

AvgL	cd/m2
L_0~180 (65) av	36299
L_0~180 (75) av	33743
L_0~180 (85) av	28509
L_90~270 (65) av	34000
L_90~270 (75) av	30055
L_90~270 (85) av	19041
L_45 (65) av	34609
L_45 (75) av	31348
L_45 (85) av	20981

Standard: GB/T 29293-2012

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:28 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

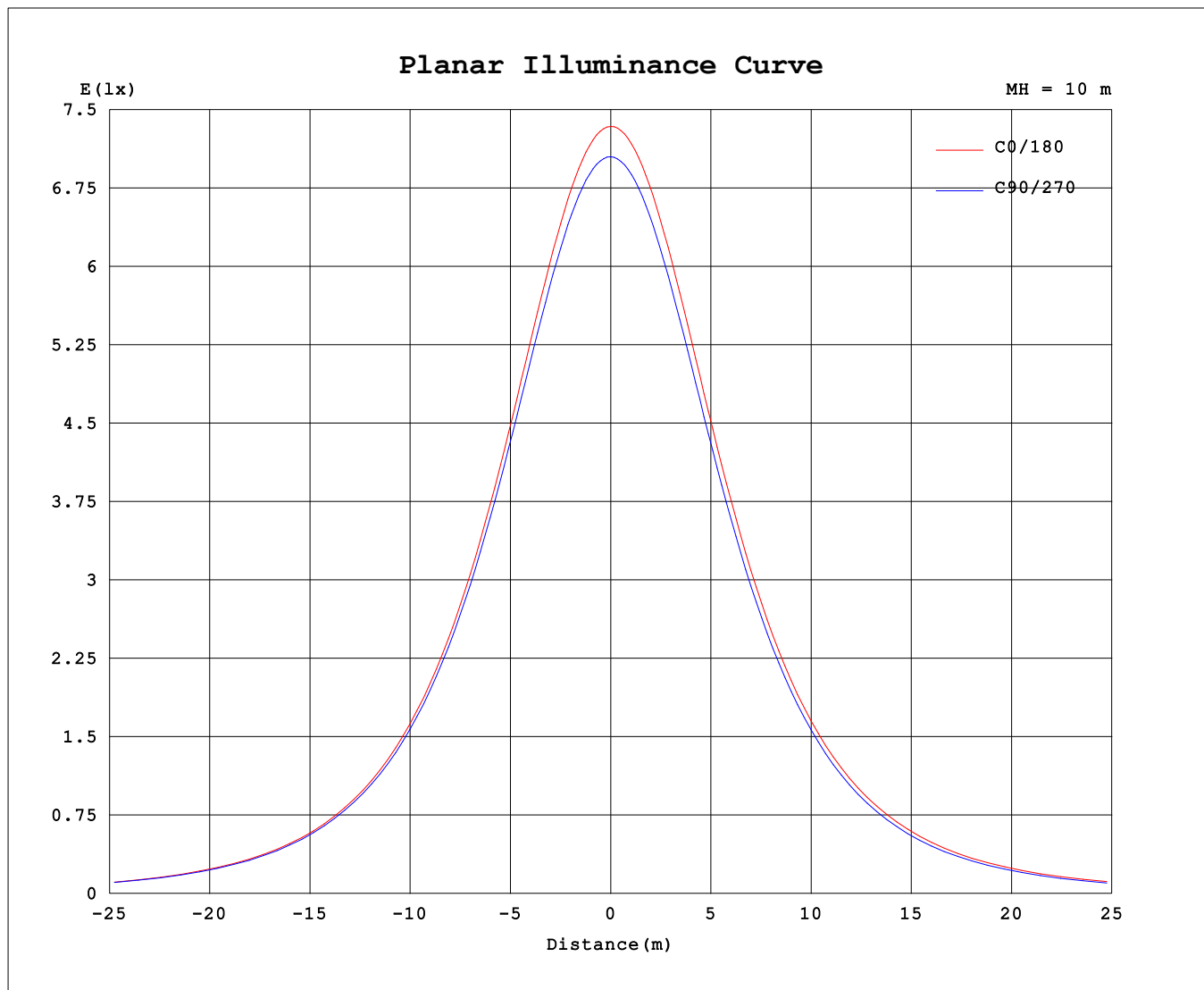
Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3 °C
Operators: CAM
Test Date: 28 July 2025

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V2.00.473
Humidity: 65.0%
Test Distance: 8.910m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm		
NAME: P101004	TYPE: 4000K	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.:	SUR.: D144mm	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	734	726	721	716	713	710	708	707	706	705	704	704	703	703	703	702	702	702	734
5	729	722	716	712	709	707	704	703	702	701	701	700	700	699	699	699	698	698	731
10	717	710	704	701	697	695	693	692	691	690	689	689	688	688	688	688	687	687	719
15	697	691	685	682	678	677	674	674	672	672	671	671	670	670	669	669	669	669	701
20	671	665	659	656	652	651	649	649	647	647	646	646	645	645	644	644	644	644	675
25	638	633	627	624	620	620	617	617	615	616	614	615	614	614	613	613	612	613	643
30	599	595	589	587	583	583	580	580	579	579	578	578	577	578	576	577	576	576	605
35	557	553	547	545	542	541	539	539	537	538	537	537	536	537	535	536	535	536	563
40	510	507	501	500	497	496	494	495	492	493	492	493	491	492	491	492	490	491	517
45	460	458	453	452	448	448	446	447	445	446	444	445	444	445	443	445	443	444	467
50	409	407	402	401	398	398	396	397	395	396	394	396	394	395	394	395	394	395	416
55	355	354	349	350	346	347	344	345	343	345	342	344	342	344	342	344	342	344	363
60	301	300	296	296	293	293	291	292	290	292	290	291	290	291	290	291	290	291	308
65	246	245	242	242	240	240	238	239	237	238	237	238	237	238	237	239	238	239	254
70	192	192	189	189	187	187	185	186	184	185	184	185	184	185	185	186	185	187	199
75	139	139	137	138	136	136	134	135	133	133	131	132	131	132	131	133	133	135	145
80	89.0	89.5	88.0	88.4	86.8	87.2	85.0	84.4	81.6	81.2	79.2	80.0	78.7	79.3	78.2	79.7	79.8	82.7	90.3
85	41.8	43.1	42.1	42.3	37.3	36.3	36.1	36.4	33.4	32.6	30.6	31.4	29.6	25.6	24.1	21.4	22.0	28.6	39.1
90	3.05	3.45	2.77	2.91	2.01	1.13	1.06	1.58	1.36	1.07	1.12	1.00	0.99	0.87	1.13	1.23	1.93	3.18	5.45
95	1.08	1.08	1.09	1.07	1.06	1.02	1.02	0.99	1.03	0.97	0.99	0.96	0.97	0.98	1.00	1.06	1.09	1.04	0.91
100	1.34	1.33	1.32	1.30	1.27	1.26	1.25	1.23	1.22	1.21	1.21	1.21	1.22	1.24	1.25	1.25	1.26	1.28	1.16
105	1.63	1.63	1.59	1.59	1.55	1.55	1.52	1.52	1.49	1.49	1.49	1.50	1.49	1.52	1.51	1.53	1.53	1.56	1.44
110	1.92	1.92	1.88	1.88	1.84	1.84	1.80	1.81	1.77	1.79	1.76	1.79	1.77	1.80	1.78	1.82	1.81	1.84	1.75
115	2.22	2.22	2.18	2.17	2.13	2.15	2.10	2.11	2.07	2.08	2.05	2.08	2.06	2.09	2.08	2.11	2.09	2.13	2.04
120	2.52	2.51	2.45	2.47	2.41	2.42	2.38	2.39	2.35	2.37	2.34	2.36	2.35	2.38	2.36	2.40	2.38	2.41	2.33
125	2.79	2.80	2.72	2.73	2.68	2.69	2.64	2.67	2.63	2.65	2.61	2.64	2.62	2.66	2.63	2.67	2.65	2.69	2.62
130	3.06	3.06	2.98	2.98	2.93	2.95	2.89	2.91	2.87	2.90	2.87	2.90	2.87	2.91	2.88	2.91	2.89	2.95	2.89
135	3.28	3.29	3.20	3.22	3.15	3.18	3.12	3.14	3.10	3.14	3.10	3.14	3.10	3.14	3.10	3.16	3.13	3.17	3.13
140	3.50	3.50	3.41	3.44	3.36	3.38	3.32	3.35	3.31	3.35	3.33	3.35	3.30	3.34	3.32	3.37	3.33	3.39	3.36
145	3.69	3.70	3.61	3.61	3.56	3.58	3.51	3.53	3.50	3.55	3.51	3.54	3.49	3.54	3.51	3.55	3.53	3.58	3.57
150	3.85	3.87	3.77	3.80	3.72	3.76	3.69	3.73	3.69	3.72	3.67	3.72	3.68	3.73	3.68	3.72	3.67	3.73	3.75
155	4.01	4.02	3.92	3.95	3.87	3.92	3.86	3.95	3.89	3.90	3.85	3.89	3.85	3.88	3.83	3.87	3.83	3.90	3.93
160	4.15	4.17	4.09	4.11	4.05	4.08	4.02	4.07	4.00	4.04	3.99	4.03	3.98	4.04	3.97	4.02	3.98	4.03	4.09
165	4.26	4.31	4.21	4.25	4.18	4.19	4.12	4.16	4.11	4.15	4.12	4.19	4.13	4.17	4.13	4.20	4.10	4.16	4.24
170	4.34	4.37	4.26	4.30	4.22	4.26	4.20	4.25	4.19	4.22	4.19	4.24	4.22	4.25	4.23	4.26	4.22	4.23	4.36
175	4.39	4.41	4.31	4.33	4.28	4.31	4.27	4.29	4.23	4.26	4.23	4.24	4.23	4.25	4.25	4.26	4.24	4.23	4.43
180	4.41	4.41	4.33	4.33	4.31	4.31	4.29	4.29	4.26	4.26	4.24	4.24	4.25	4.25	4.26	4.26	4.24	4.23	4.45

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:28 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.95V I:0.1414A P:18.054W PF:0.5530 Freq:50.00Hz Lamp Flux:1964.1x1 lm																	
NAME: P101004									TYPE: 4000K						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:		
MFR.:									SUR.: D144mm						Shielding Angle:		

Table--2

UNIT: cd

C (DEG) γ (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	726	721	716	713	710	708	707	706	705	704	704	703	703	703	702	702	702		
5	723	717	712	709	706	705	703	702	701	700	700	699	699	699	698	698	698		
10	711	706	701	698	695	693	691	690	689	689	688	688	687	687	687	687	687		
15	692	687	682	679	676	675	672	672	670	670	669	669	668	669	668	668	668		
20	666	662	657	654	651	649	647	647	645	645	644	644	643	643	643	643	643		
25	634	630	625	623	619	618	615	615	613	613	612	612	611	612	611	612	611		
30	597	593	588	586	582	581	579	578	576	577	575	576	575	576	575	576	575		
35	555	552	546	545	541	540	537	538	535	536	534	535	534	535	534	535	534		
40	509	506	501	500	496	496	493	493	491	491	490	491	490	491	489	491	490		
45	460	458	453	452	448	448	445	445	443	444	442	443	442	443	442	444	443		
50	409	408	403	402	398	398	394	395	392	393	391	393	392	394	393	394	393		
55	357	356	351	351	346	346	342	342	339	341	339	341	340	343	341	344	342		
60	303	302	298	297	293	292	288	288	285	286	284	287	286	289	289	291	290		
65	249	248	245	244	239	238	234	233	230	230	229	231	232	235	236	239	238		
70	195	195	192	190	186	184	179	178	175	175	174	176	177	181	183	186	186		
75	143	143	140	138	133	130	125	123	120	121	120	123	124	128	130	134	135		
80	91.3	93.1	89.2	86.4	81.4	78.5	73.6	71.5	68.7	69.0	68.6	71.1	72.9	77.1	79.9	84.2	86.2		
85	40.6	41.8	38.8	33.9	29.1	30.3	27.0	24.6	21.5	21.6	21.6	24.6	24.3	29.6	34.5	38.5	40.6		
90	4.94	4.42	2.93	1.64	0.86	0.76	1.18	0.90	0.86	0.85	1.23	0.75	0.87	2.33	3.33	4.28	4.22		
95	0.93	0.92	0.91	0.89	0.90	0.89	0.90	0.89	0.88	0.88	0.88	0.88	0.87	0.85	0.88	0.87	0.89		
100	1.15	1.15	1.14	1.14	1.11	1.10	1.10	1.09	1.08	1.09	1.08	1.08	1.08	1.08	1.08	1.09	1.10		
105	1.41	1.42	1.40	1.39	1.37	1.36	1.35	1.36	1.35	1.35	1.34	1.35	1.34	1.35	1.35	1.36	1.37		
110	1.70	1.71	1.68	1.68	1.64	1.66	1.63	1.65	1.62	1.63	1.61	1.63	1.61	1.63	1.63	1.65	1.64		
115	1.98	1.99	1.94	1.95	1.92	1.93	1.90	1.92	1.89	1.91	1.89	1.90	1.88	1.91	1.89	1.92	1.91		
120	2.26	2.27	2.23	2.24	2.19	2.20	2.17	2.19	2.16	2.19	2.16	2.19	2.16	2.19	2.16	2.21	2.20		
125	2.54	2.56	2.50	2.52	2.46	2.47	2.44	2.47	2.44	2.46	2.42	2.45	2.43	2.46	2.43	2.47	2.45		
130	2.81	2.81	2.74	2.79	2.73	2.73	2.69	2.72	2.68	2.72	2.68	2.71	2.68	2.71	2.68	2.73	2.70		
135	3.04	3.05	2.99	3.01	2.96	2.97	2.92	2.97	2.92	2.95	2.91	2.94	2.90	2.94	2.91	2.96	2.93		
140	3.27	3.28	3.22	3.24	3.15	3.19	3.13	3.18	3.13	3.16	3.11	3.15	3.12	3.17	3.14	3.17	3.14		
145	3.48	3.49	3.40	3.44	3.37	3.38	3.33	3.37	3.32	3.36	3.31	3.35	3.32	3.37	3.32	3.38	3.35		
150	3.65	3.67	3.59	3.62	3.56	3.59	3.54	3.58	3.52	3.54	3.50	3.55	3.51	3.55	3.50	3.54	3.51		
155	3.83	3.85	3.76	3.80	3.74	3.79	3.76	3.79	3.71	3.74	3.68	3.73	3.67	3.71	3.67	3.72	3.68		
160	4.00	4.05	3.96	3.99	3.90	3.95	3.89	3.91	3.86	3.90	3.84	3.88	3.82	3.86	3.81	3.86	3.82		
165	4.17	4.21	4.12	4.15	4.03	4.07	4.01	4.05	3.99	4.04	4.00	4.04	3.98	4.03	3.97	4.01	3.96		
170	4.24	4.28	4.19	4.23	4.14	4.17	4.10	4.14	4.09	4.17	4.11	4.16	4.10	4.15	4.10	4.11	4.06		
175	4.31	4.36	4.27	4.32	4.23	4.26	4.19	4.24	4.17	4.21	4.17	4.22	4.17	4.22	4.14	4.20	4.14		
180	4.36	4.36	4.32	4.32	4.30	4.30	4.26	4.27	4.24	4.24	4.24	4.24	4.24	4.25	4.23	4.23	4.22		

C Range: 0 - 360DEG

C Interval: 10.0DEG

Test Speed: HIGH

Temperature:25.3℃

Operators:CAM

Test Date:28 July 2025

γ Range: 0 - 180DEG

γ Interval: 1.0DEG

Test System:EVERFINE GO-2000A_V1 SYSTEM V2.00.473

Humidity:65.0%

Test Distance:8.910m [K=1.0000]

Remarks: