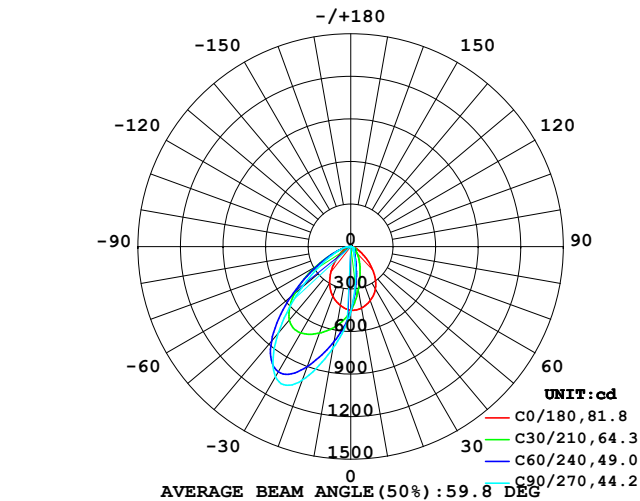


LUMINAIRE PHOTOMETRIC TEST REPORT

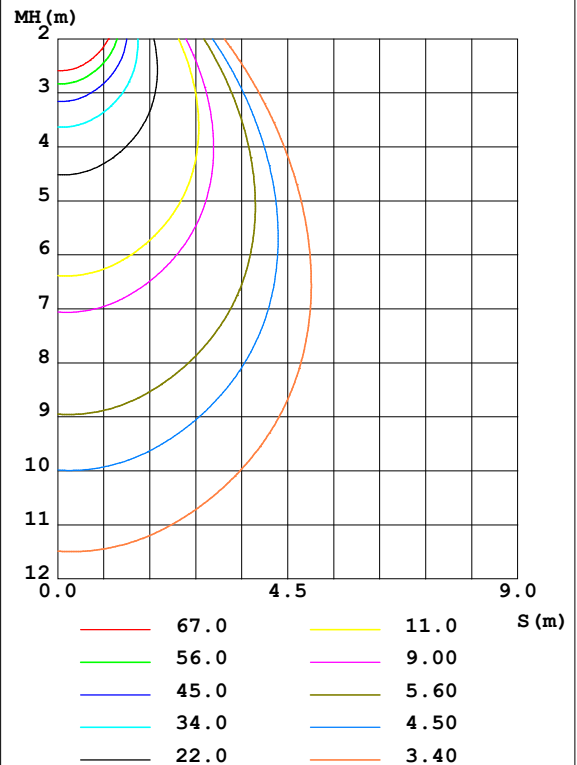
Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.77 lm/W			
MODEL		I _{max} (cd)	1084	S/MH (C0/180)	1.04
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.71
RATED VOLTAGE (V)		TOTAL FLUX (lm)	1221.6	η UP, DN (C0-180)	0.2, 13.7
NOMINAL FLUX (lm)	1221.59	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 86.1
LAMPS INSIDE	1	η up (%)	0.2	CIBSE SHR NOM	1.00
TEST VOLTAGE (V)		η down (%)	99.8	CIBSE SHR MAX	1.00

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25DEG
Operators: SENPU
Test Date: 2026-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity: 61%
Test Distance: 8.000m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

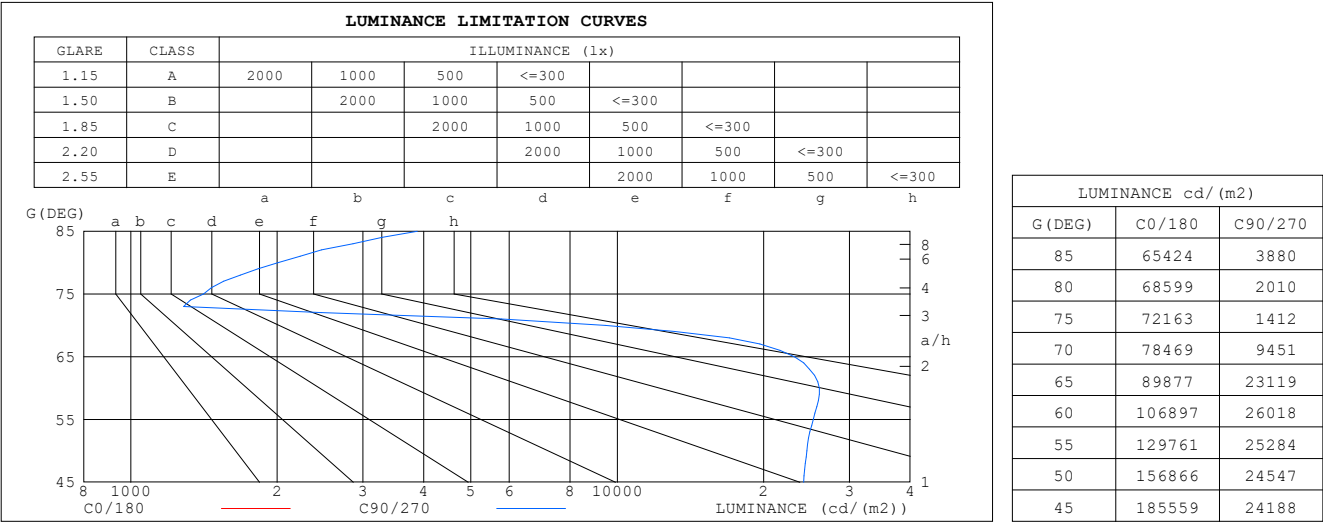
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	440.8	266.7	204.0	260.8	422.2	633.1	728.3	650.2	0- 10	43.20	43.20	3.54,3.54
20	405.2	141.8	80.22	132.8	372.9	787.5	1003	817.2	10- 20	129.8	173.0	14.2,14.2
30	348.2	77.06	41.48	70.02	299.1	903.4	1061	934.6	20- 30	218.7	391.7	32.1,32.1
40	260.3	45.51	30.10	41.52	210.3	843.1	793.5	857.4	30- 40	270.6	662.4	54.2,54.2
50	161.3	31.92	25.25	29.34	127.4	607.6	453.2	598.8	40- 50	248.2	910.6	74.5,74.5
60	85.52	23.33	20.81	21.40	70.86	323.2	221.0	309.2	50- 60	171.3	1082	88.6,88.6
70	42.94	11.21	5.172	10.25	38.71	123.9	103.1	118.6	60- 70	91.15	1173	96,96
80	19.06	0.6455	0.5584	0.4188	17.99	35.80	38.05	33.85	70- 80	36.57	1210	99,99
90	1.084	0.6456	0.5409	0.4188	0.6824	3.489	4.526	3.165	80- 90	8.941	1219	99.8,99.8
100	0.5320	0.6717	0.5410	0.4362	0.1221	0.1145	0.6262	0.0797	90-100	0.8581	1219	99.8,99.8
110	0.5409	0.6892	0.5409	0.5061	0.1834	0.0698	0.0264	0.0436	100-110	0.3374	1220	99.9,99.9
120	0.6632	0.7503	0.6627	0.6108	0.2707	0.0698	0.0436	0.0436	110-120	0.3315	1220	99.9,99.9
130	0.6718	0.7590	0.6978	0.7067	0.3926	0.0960	0.0525	0.0436	120-130	0.3449	1220	99.9,99.9
140	0.7154	0.7590	0.8546	0.7067	0.4887	0.1134	0.4264	0.0960	130-140	0.3455	1221	99.9,99.9
150	0.7329	0.7241	0.9335	0.7067	0.5499	0.2005	0.1484	0.1396	140-150	0.3123	1221	100,100
160	0.6720	0.6805	0.9161	0.7066	0.6108	0.2965	0.2444	0.2530	150-160	0.2454	1221	100,100
170	0.5325	0.5234	0.6462	0.6805	0.6718	0.4012	0.3664	0.3926	160-170	0.1564	1222	100,100
180	0.5409	0.4886	0.4711	0.5584	0.5846	0.5148	0.4886	0.5497	170-180	0.0494	1222	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:



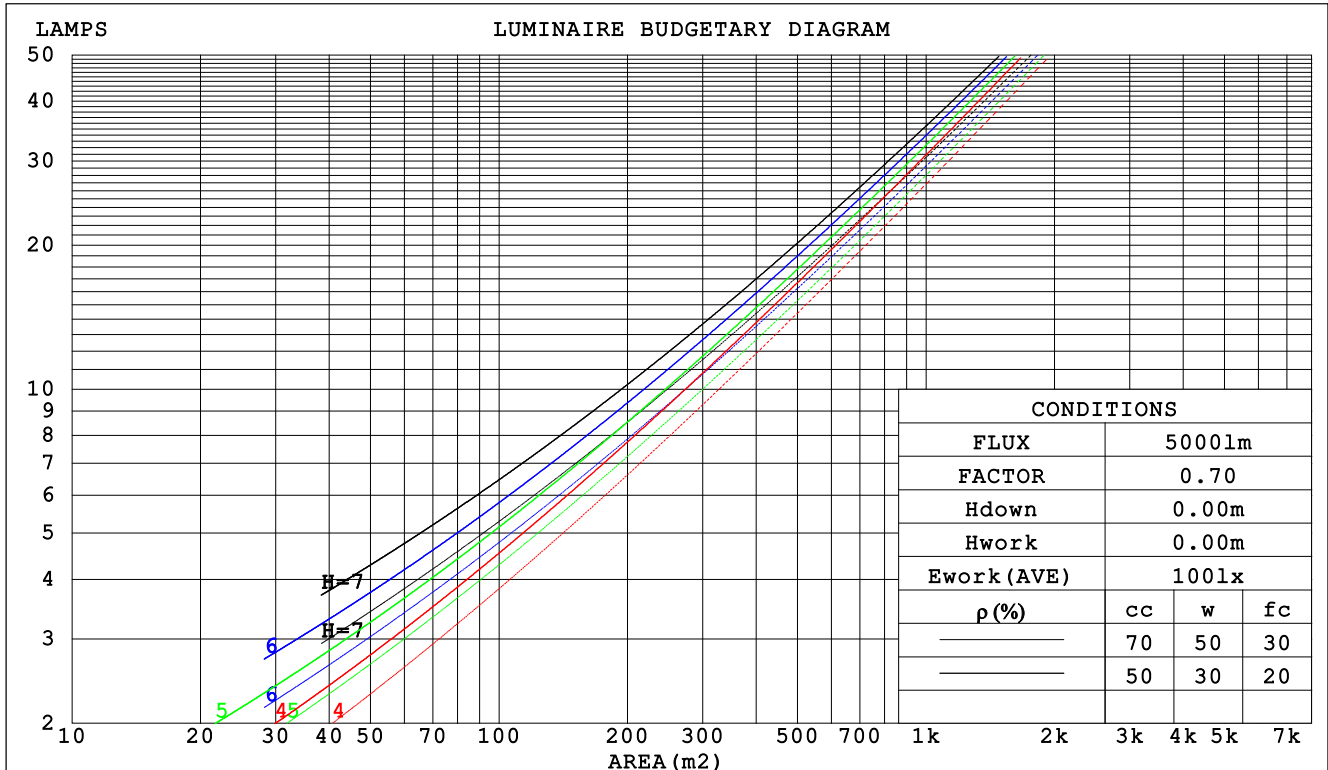
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.06	1.03	.99	1.04	1.01	.98	.90	.97	.95	.96	.94	.92	.92	.91	.89	.87
2.0	.94	.88	.83	.92	.87	.82	.89	.84	.80	.86	.82	.79	.83	.80	.77	.75
3.0	.84	.77	.71	.82	.76	.70	.79	.74	.69	.77	.72	.68	.74	.70	.67	.65
4.0	.75	.67	.61	.74	.66	.61	.71	.65	.60	.69	.63	.59	.67	.62	.58	.56
5.0	.68	.59	.53	.66	.59	.53	.64	.58	.52	.62	.56	.52	.61	.55	.51	.49
6.0	.61	.53	.47	.60	.52	.47	.58	.51	.46	.57	.50	.46	.55	.50	.45	.43
7.0	.56	.47	.41	.55	.47	.41	.53	.46	.41	.52	.45	.41	.50	.45	.40	.39
8.0	.51	.43	.37	.50	.42	.37	.49	.42	.37	.48	.41	.37	.46	.41	.36	.35
9.0	.47	.39	.33	.46	.39	.33	.45	.38	.33	.44	.38	.33	.43	.37	.33	.31
10.0	.43	.35	.30	.42	.35	.30	.42	.35	.30	.41	.34	.30	.40	.34	.30	.28



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
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						Wall Exitance Coefficients (WEC)										
0.0																	
1.0	.263	.149	.047	.256	.146	.046	.243	.139	.044	.231	.133	.043	.219	.127	.041		
2.0	.254	.139	.043	.248	.137	.042	.236	.131	.041	.226	.127	.040	.216	.122	.039		
3.0	.240	.128	.038	.235	.126	.038	.225	.122	.037	.215	.118	.036	.207	.114	.035		
4.0	.226	.117	.034	.221	.116	.034	.212	.112	.034	.204	.109	.033	.196	.106	.032		
5.0	.212	.108	.031	.207	.106	.031	.199	.104	.031	.192	.101	.030	.185	.099	.030		
6.0	.199	.100	.028	.195	.098	.028	.188	.096	.028	.181	.094	.028	.175	.092	.027		
7.0	.187	.092	.026	.183	.091	.026	.177	.089	.026	.171	.088	.026	.165	.086	.025		
8.0	.176	.086	.024	.173	.085	.024	.167	.083	.024	.162	.082	.024	.157	.080	.023		
9.0	.166	.080	.022	.163	.079	.022	.158	.078	.022	.153	.077	.022	.149	.075	.022		
10.0	.157	.075	.021	.154	.075	.021	.150	.073	.021	.145	.072	.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	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.179	.158	.140	.153	.136	.120	.105	.094	.083	.060	.054	.048	.019	.017	.016	
2.0	.169	.134	.104	.145	.115	.090	.099	.080	.063	.057	.046	.037	.018	.015	.012	
3.0	.161	.116	.080	.138	.100	.070	.095	.070	.049	.055	.041	.029	.018	.013	.009	
4.0	.153	.102	.064	.131	.088	.055	.090	.062	.039	.052	.036	.023	.017	.012	.008	
5.0	.146	.092	.052	.125	.079	.045	.086	.055	.032	.050	.033	.019	.016	.011	.006	
6.0	.139	.083	.043	.120	.072	.038	.082	.050	.027	.048	.030	.016	.015	.010	.005	
7.0	.133	.076	.037	.114	.066	.032	.079	.046	.023	.046	.027	.014	.015	.009	.004	
8.0	.127	.071	.032	.109	.061	.028	.075	.043	.020	.044	.025	.012	.014	.008	.004	
9.0	.121	.066	.028	.104	.057	.025	.072	.040	.017	.042	.024	.010	.014	.008	.003	
10.0	.116	.061	.025	.100	.053	.022	.069	.037	.016	.040	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENPU
 Test Date: 2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

UGR(Unified Glare Rating) Table

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm										
NAME: MATL110					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 2026101502		
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	24.2	25.6	24.4	25.8	26.0	16.4	17.8	16.6	18.0	18.2
3H	25.5	26.7	25.8	27.0	27.2	17.1	18.4	17.4	18.6	18.9
4H	26.1	27.3	26.4	27.5	27.8	17.0	18.2	17.3	18.5	18.7
6H	26.6	27.7	26.9	28.0	28.2	16.9	18.1	17.3	18.3	18.6
8H	26.8	27.8	27.1	28.1	28.4	16.9	18.0	17.2	18.3	18.6
12H	26.9	27.9	27.2	28.2	28.5	16.9	17.9	17.2	18.2	18.5
4H 2H	24.0	25.3	24.4	25.5	25.8	17.5	18.7	17.8	19.0	19.2
3H	25.5	26.5	25.8	26.8	27.1	18.1	19.1	18.4	19.4	19.7
4H	26.2	27.1	26.6	27.5	27.8	18.0	18.9	18.4	19.3	19.6
6H	26.8	27.7	27.2	28.0	28.4	17.9	18.7	18.3	19.1	19.5
8H	27.1	27.9	27.5	28.2	28.6	17.9	18.6	18.3	19.0	19.4
12H	27.3	28.0	27.7	28.4	28.8	17.8	18.5	18.3	18.9	19.3
8H 4H	26.1	26.8	26.5	27.2	27.6	18.3	19.1	18.7	19.4	19.8
6H	26.7	27.4	27.2	27.8	28.2	18.2	18.8	18.6	19.3	19.7
8H	27.1	27.6	27.5	28.0	28.5	18.2	18.7	18.6	19.2	19.6
12H	27.4	27.8	27.8	28.3	28.8	18.2	18.6	18.6	19.1	19.6
12H 4H	26.0	26.7	26.4	27.1	27.5	18.3	19.0	18.8	19.4	19.8
6H	26.7	27.3	27.2	27.7	28.1	18.3	18.8	18.7	19.3	19.7
8H	27.0	27.5	27.5	28.0	28.4	18.2	18.7	18.7	19.2	19.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 1.4 / - 0.7					+ 0.4 / - 0.6				
1.5H	+ 2.2 / - 1.5					+ 0.3 / - 0.3				
2.0H	+ 3.4 / - 2.0					+ 0.6 / - 0.8				

CIE Pub.117, 1222 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = 0.7$)
Area: 0.0016 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:

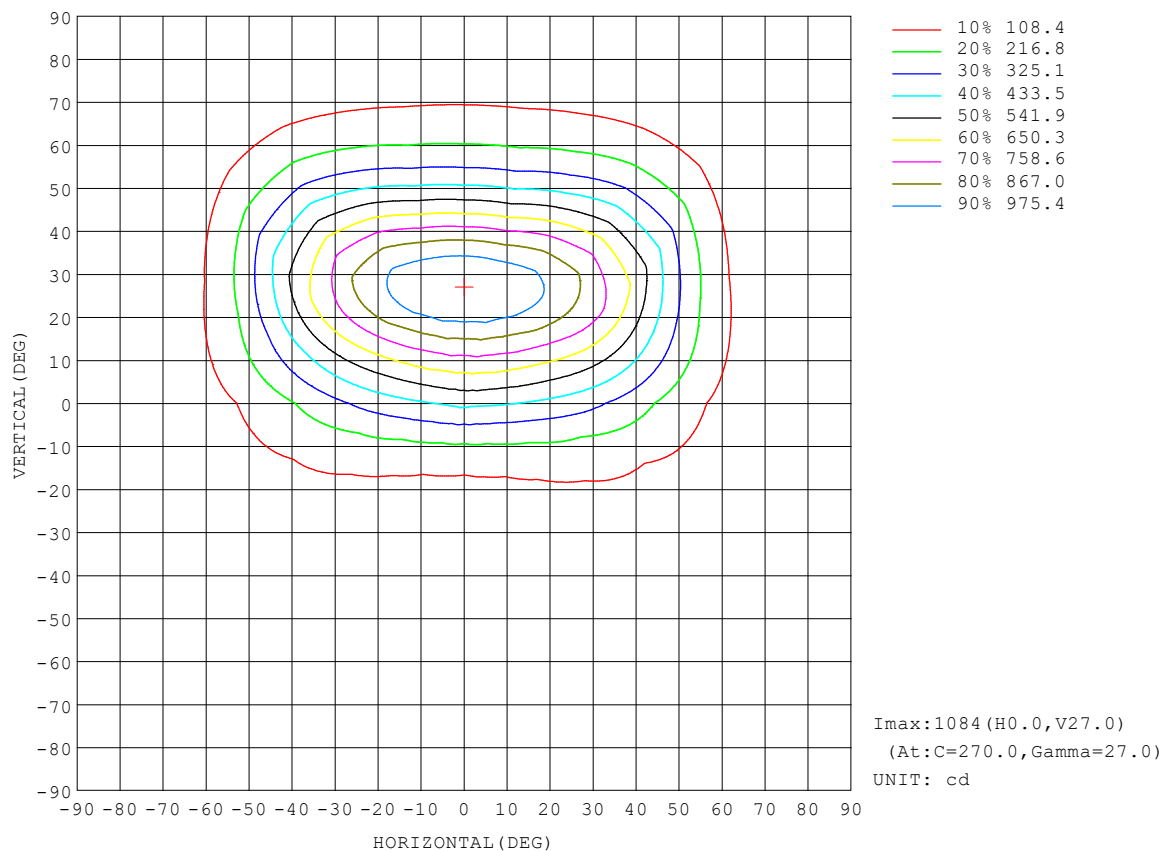
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	63	52	46	62	52	45	61	51	45	39
0.80	73	63	56	72	62	56	70	61	55	49
1.00	82	72	65	80	71	65	78	72	64	58
1.25	88	79	73	87	79	73	84	77	72	65
1.50	93	85	79	91	84	78	89	82	77	70
2.00	99	92	86	97	91	86	94	89	84	77
2.50	102	96	91	100	94	90	97	92	88	80
3.00	105	99	95	103	98	94	99	95	91	84
4.00	108	104	100	106	102	98	102	99	96	87
5.00	110	106	103	108	104	101	104	101	98	89
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: 25DEG
 Operators: SENPU
 Test Date: 2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:

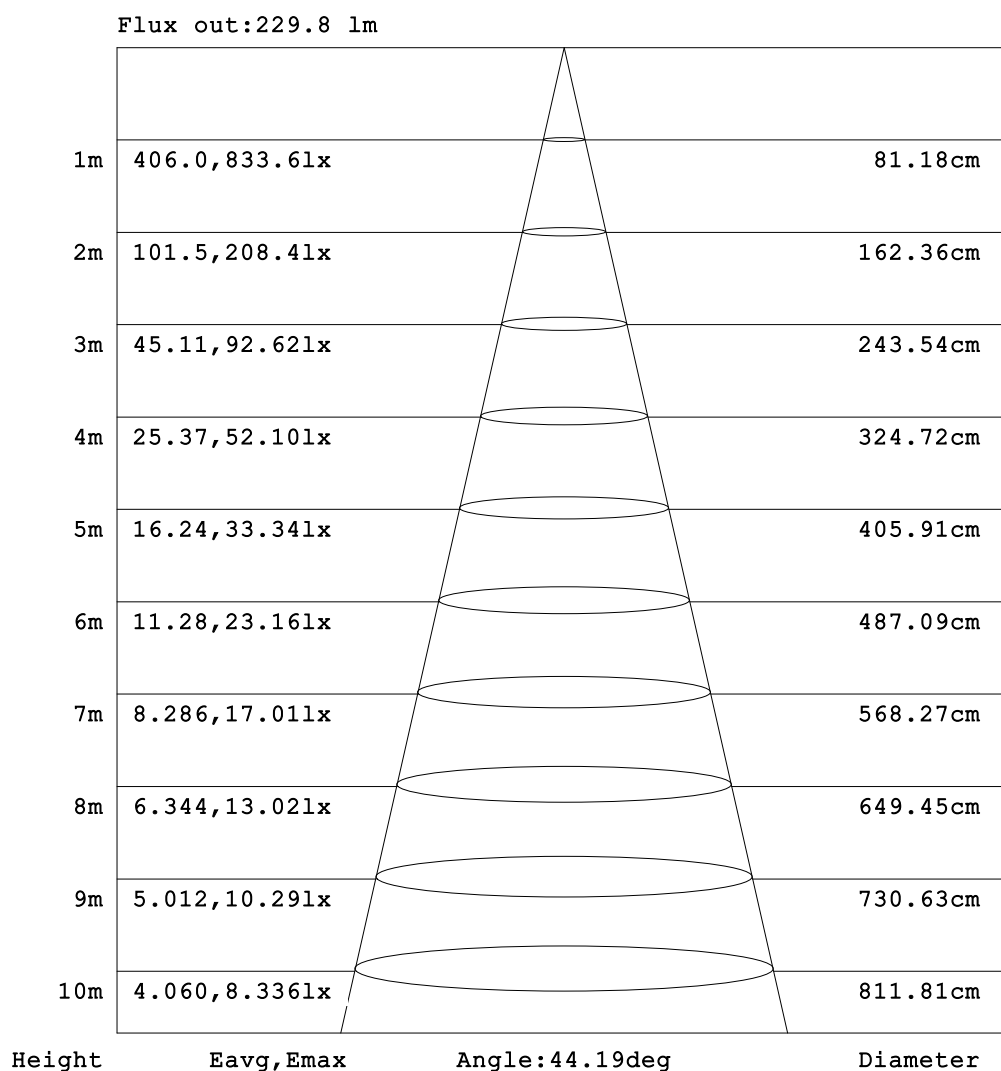


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

AAI Figure

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:



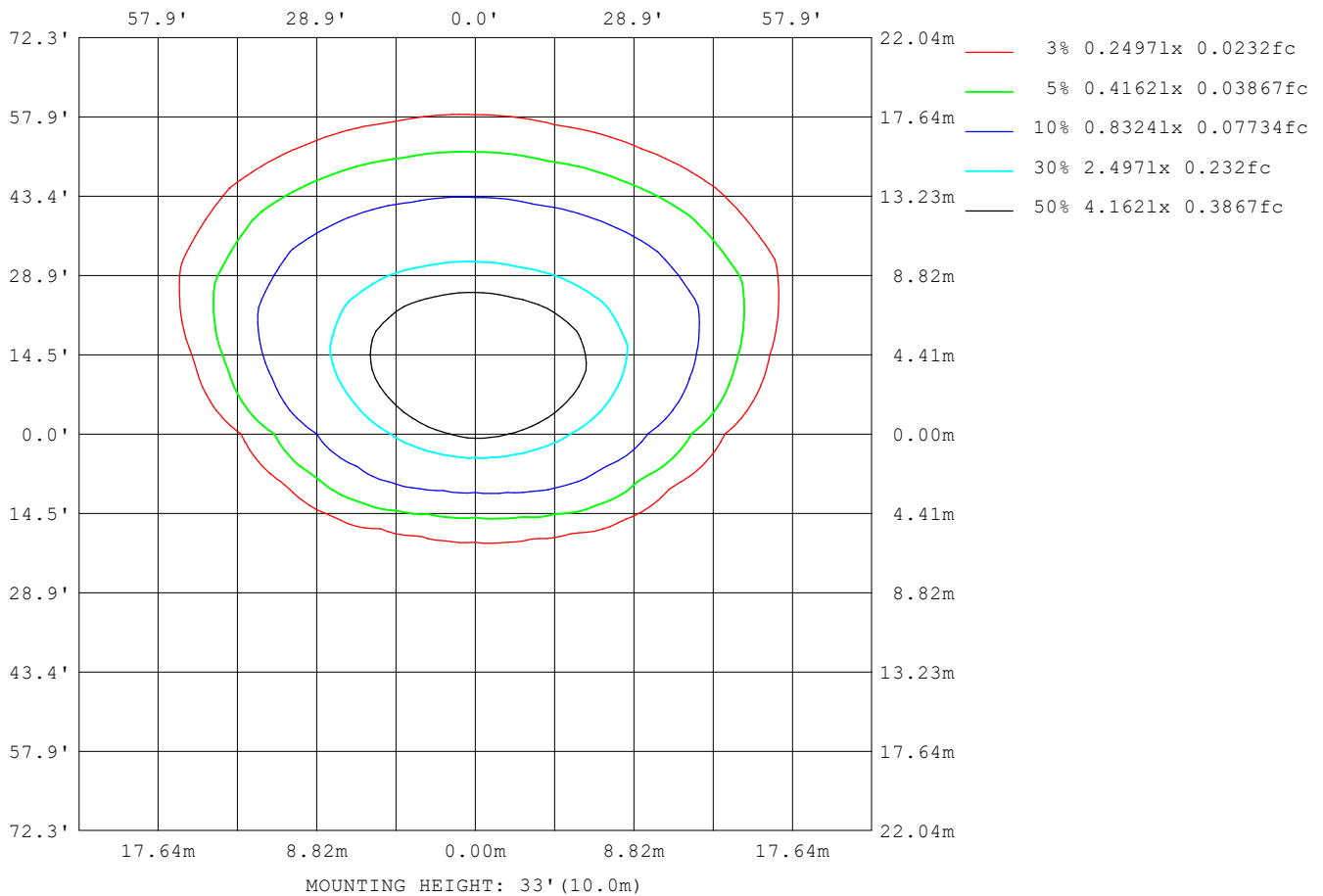
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25DEG
 Operators: SENPU
 Test Date: 2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity: 61%
 Test Distance: 8.000m [K=1.0000]
 Remarks:

LED Avg.L Report

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:

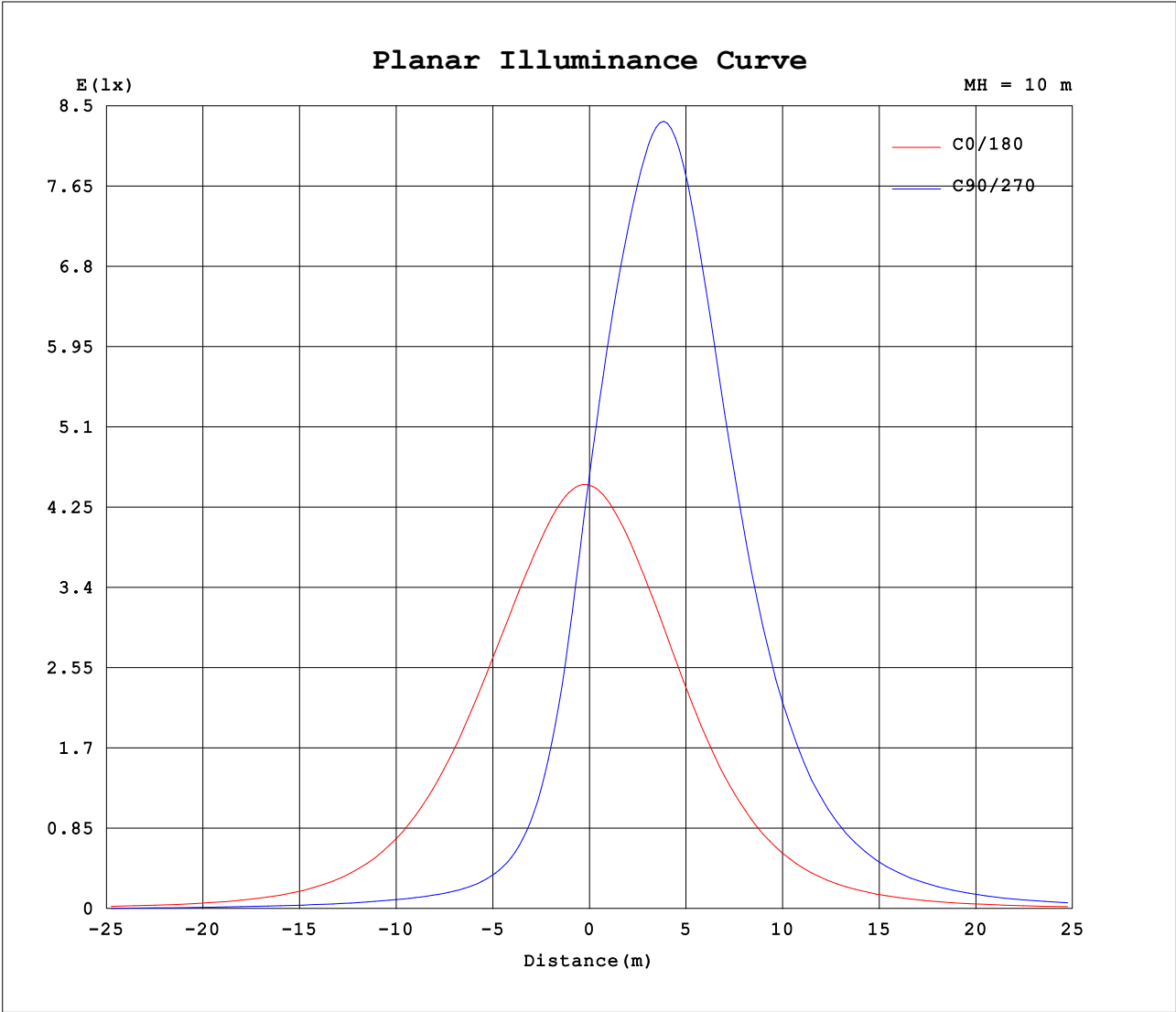
AvgL	cd/m2
L_0~180 (65) av	83798
L_0~180 (75) av	69777
L_0~180 (85) av	62012
L_90~270 (65) av	123478
L_90~270 (75) av	81690
L_90~270 (85) av	57003
L_45 (65) av	162496
L_45 (75) av	84145
L_45 (85) av	46281

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
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	449	452	454	460	457	465	459	466	459	463	457	455	449	452	454	460	457	465	459
5	449	417	384	359	337	328	320	329	335	358	380	412	439	477	514	550	570	593	594
10	441	373	312	267	231	215	204	214	226	261	302	361	422	494	566	633	680	722	728
15	425	328	246	195	155	138	127	136	149	186	233	311	400	504	611	714	790	854	868
20	405	284	195	142	104	88.1	80.2	86.0	98.9	133	181	263	373	507	650	788	900	982	1003
25	380	241	155	104	71.9	60.3	55.2	58.8	67.9	95.6	142	219	339	503	682	860	990	1063	1079
30	348	201	124	77.1	52.6	44.7	41.5	43.5	49.6	70.0	112	179	299	487	704	903	1021	1056	1061
35	308	164	98.9	58.0	40.8	35.7	34.2	35.0	38.8	52.6	88.0	145	255	458	704	901	977	963	955
40	260	131	78.1	45.5	33.9	31.0	30.1	30.5	32.4	41.5	69.5	117	210	416	674	843	869	816	794
45	210	102	61.9	37.2	29.4	27.9	27.4	27.4	28.3	34.2	55.1	91.6	166	361	611	740	721	645	618
50	161	79.1	50.6	31.9	26.2	25.4	25.2	24.9	25.2	29.3	44.9	71.4	127	292	517	608	556	479	453
55	119	62.1	42.5	27.8	22.6	22.8	23.2	22.7	21.9	25.5	37.8	56.5	95.5	219	406	462	400	338	320
60	85.5	49.2	36.2	23.3	19.0	19.5	20.8	19.7	18.6	21.4	32.2	45.5	70.9	152	289	323	272	231	221
65	60.8	39.2	29.4	18.6	14.4	15.3	15.6	15.6	14.2	17.1	25.9	36.6	52.6	100	187	207	178	157	151
70	42.9	30.5	21.6	11.2	5.41	5.71	5.17	6.05	5.84	10.2	19.0	28.7	38.7	63.2	110	124	113	105	103
75	29.9	22.0	11.2	1.87	0.65	0.58	0.58	0.50	0.49	1.00	8.80	20.3	27.9	39.5	60.4	69.6	69.2	66.2	67.1
80	19.1	12.8	4.56	0.65	0.62	0.58	0.56	0.50	0.48	0.42	3.47	11.5	18.0	23.4	31.0	35.8	38.6	37.5	38.1
85	9.12	5.58	1.58	0.65	0.62	0.58	0.54	0.50	0.47	0.42	1.09	4.89	8.17	10.7	12.7	13.3	15.0	14.5	15.4
90	1.08	0.78	0.65	0.65	0.62	0.58	0.54	0.50	0.47	0.42	0.37	0.63	0.68	1.66	2.84	3.49	4.25	4.26	4.53
95	0.51	0.59	0.63	0.66	0.62	0.61	0.53	0.50	0.47	0.44	0.35	0.31	0.09	0.43	0.64	0.89	1.02	1.20	1.12
100	0.53	0.62	0.65	0.67	0.65	0.61	0.54	0.51	0.47	0.44	0.35	0.33	0.12	0.14	0.18	0.11	0.35	0.57	0.63
105	0.54	0.63	0.67	0.67	0.66	0.62	0.54	0.54	0.47	0.47	0.35	0.38	0.15	0.09	0.09	0.07	0.06	0.04	0.03
110	0.54	0.65	0.67	0.69	0.66	0.64	0.54	0.57	0.47	0.51	0.38	0.39	0.18	0.10	0.10	0.07	0.06	0.03	0.03
115	0.60	0.67	0.69	0.71	0.67	0.66	0.54	0.60	0.53	0.56	0.43	0.45	0.23	0.12	0.11	0.07	0.07	0.03	0.03
120	0.66	0.68	0.69	0.75	0.67	0.71	0.66	0.64	0.55	0.61	0.49	0.49	0.27	0.12	0.14	0.07	0.09	0.03	0.04
125	0.67	0.68	0.69	0.76	0.70	0.74	0.66	0.70	0.65	0.67	0.52	0.55	0.33	0.14	0.16	0.07	0.10	0.03	0.05
130	0.67	0.68	0.70	0.76	0.74	0.80	0.70	0.76	0.67	0.71	0.59	0.60	0.39	0.17	0.19	0.10	0.10	0.03	0.05
135	0.70	0.68	0.71	0.76	0.80	0.86	0.80	0.84	0.71	0.71	0.66	0.64	0.44	0.24	0.24	0.11	0.14	0.04	0.07
140	0.72	0.68	0.71	0.76	0.80	0.93	0.85	0.89	0.78	0.71	0.67	0.68	0.49	0.26	0.27	0.11	0.17	0.07	0.43
145	0.73	0.67	0.71	0.75	0.81	0.93	0.92	0.91	0.81	0.71	0.67	0.68	0.52	0.31	0.31	0.15	0.20	0.11	0.11
150	0.73	0.67	0.71	0.72	0.81	0.92	0.93	0.91	0.82	0.71	0.67	0.68	0.55	0.38	0.34	0.20	0.22	0.11	0.15
155	0.72	0.67	0.71	0.69	0.82	0.86	0.94	0.87	0.82	0.71	0.67	0.68	0.60	0.38	0.38	0.25	0.27	0.14	0.18
160	0.67	0.66	0.71	0.68	0.84	0.81	0.92	0.81	0.83	0.71	0.68	0.68	0.61	0.43	0.43	0.30	0.32	0.22	0.24
165	0.61	0.55	0.67	0.66	0.79	0.73	0.86	0.78	0.80	0.69	0.68	0.68	0.65	0.45	0.46	0.38	0.39	0.24	0.31
170	0.53	0.47	0.55	0.52	0.60	0.55	0.65	0.56	0.67	0.68	0.68	0.67	0.67	0.49	0.52	0.40	0.45	0.32	0.37
175	0.52	0.47	0.49	0.47	0.53	0.47	0.50	0.51	0.61	0.57	0.66	0.55	0.66	0.50	0.54	0.48	0.45	0.38	0.46
180	0.54	0.49	0.45	0.49	0.48	0.47	0.47	0.47	0.55	0.56	0.59	0.56	0.58	0.50	0.50	0.51	0.45	0.51	0.49

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2026-10-15

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
Humidity:61%
Test Distance:8.000m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:35.63V I:0.703A P:25.05W PF:1.000 Freq:0Hz Lamp Flux:1221.59x1 lm		
NAME: MATL110	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2026101502
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	466	459	463	457	455														
5	597	577	559	525	489														
10	729	692	650	585	515														
15	861	805	735	637	535														
20	990	918	817	684	547														
25	1064	1003	892	727	554														
30	1049	1024	935	761	552														
35	949	968	924	771	532														
40	796	848	857	742	493														
45	622	692	744	673	432														
50	457	526	599	570	353														
55	322	375	447	444	265														
60	221	255	309	317	182														
65	151	168	197	204	115														
70	102	108	119	118	69.3														
75	65.1	66.9	66.9	62.4	40.4														
80	36.6	37.1	33.9	29.7	22.2														
85	13.8	13.6	11.5	10.9	9.39														
90	4.03	3.93	3.16	2.58	1.45														
95	1.14	0.93	0.81	0.60	0.39														
100	0.56	0.29	0.08	0.11	0.15														
105	0.03	0.02	0.05	0.05	0.07														
110	0.03	0.03	0.04	0.06	0.07														
115	0.03	0.03	0.04	0.08	0.09														
120	0.03	0.04	0.04	0.10	0.11														
125	0.03	0.04	0.04	0.12	0.11														
130	0.03	0.05	0.04	0.16	0.17														
135	0.03	0.06	0.05	0.20	0.25														
140	0.03	0.09	0.10	0.22	0.26														
145	0.07	0.14	0.10	0.28	0.31														
150	0.10	0.17	0.14	0.33	0.39														
155	0.12	0.23	0.25	0.38	0.42														
160	0.16	0.28	0.25	0.42	0.49														
165	0.25	0.34	0.35	0.48	0.53														
170	0.29	0.41	0.39	0.49	0.54														
175	0.39	0.53	0.51	0.55	0.52														
180	0.49	0.54	0.55	0.55	0.56														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25DEG
 Operators:SENPU
 Test Date:2026-10-15

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.00.444
 Humidity:61%
 Test Distance:8.000m [K=1.0000]
 Remarks: