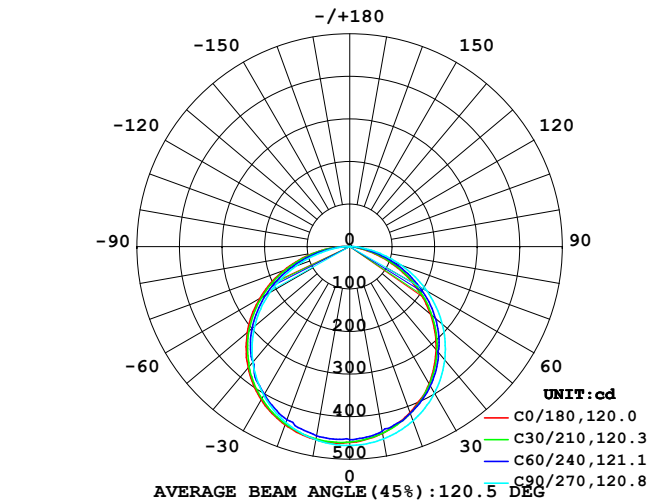


## LUMINAIRE PHOTOMETRIC TEST REPORT

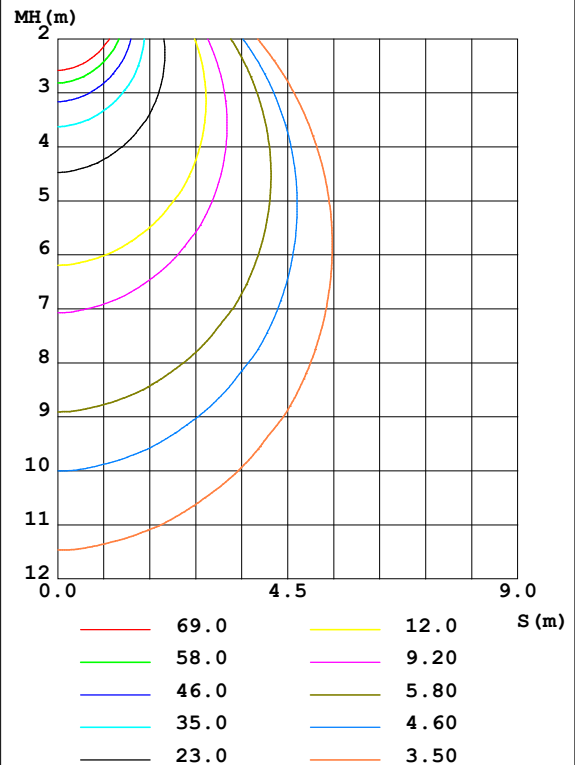
Test:U:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 72.40 lm/W			
MODEL		I <sub>max</sub> (cd)	467.5	S/MH (C0/180)	1.34
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.28
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	1353.6	η UP, DN (C0-180)	0.1, 49.5
NOMINAL FLUX (lm)	1353.58	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.1, 50.4
LAMPS INSIDE	1	η up (%)	0.1	CIBSE SHR NOM	1.25
TEST VOLTAGE (V)	24	η down (%)	99.9	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: 25DEG  
Operators: SENPU  
Test Date: 2025-12-30

γ Range: 0 - 100DEG  
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:

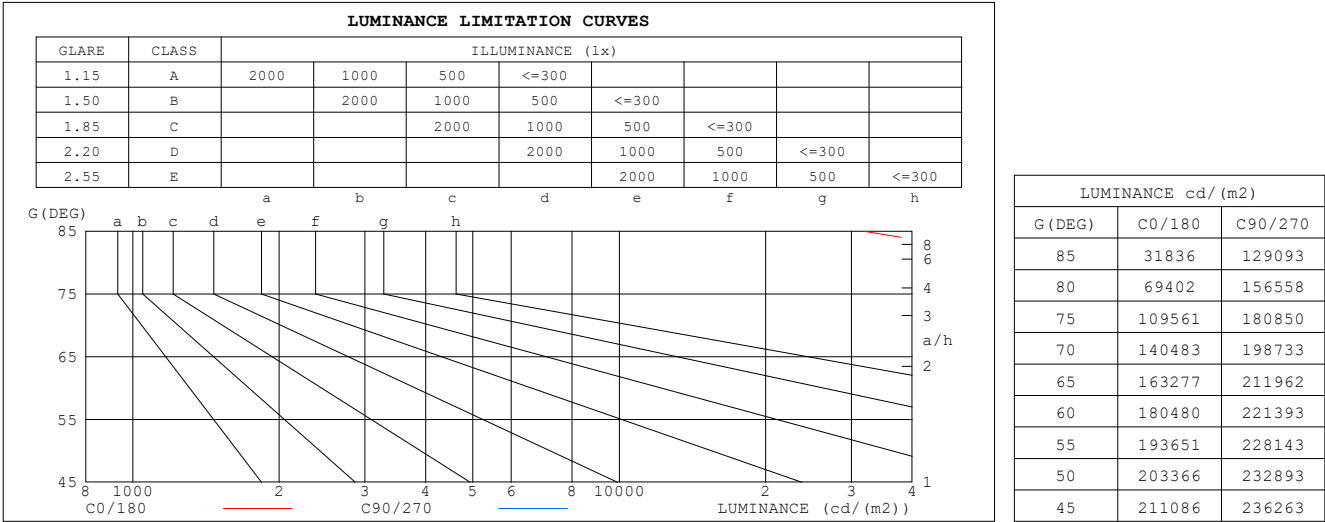
$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	445.9	445.7	458.9	462.3	460.8	456.7	461.0	452.3	0- 10	43.81	43.81	3.24,3.24
20	415.2	418.4	435.5	445.2	445.8	439.7	439.8	425.2	10- 20	125.9	169.7	12.5,12.5
30	373.0	377.7	398.3	413.0	416.1	410.7	404.1	383.5	20- 30	192.1	361.7	26.7,26.7
40	316.0	324.0	347.4	367.1	371.6	364.3	354.4	328.9	30- 40	233.5	595.3	44,44
50	248.4	259.1	284.4	307.6	314.5	304.4	291.8	261.6	40- 50	244.2	839.5	62,62
60	171.5	184.2	210.3	236.4	244.3	233.1	217.2	184.5	50- 60	221.7	1061	78.4,78.4
70	91.29	104.2	129.1	156.0	165.0	152.7	134.5	102.2	60- 70	168.4	1230	90.8,90.8
80	22.90	32.83	51.65	74.35	82.49	71.87	54.04	29.94	70- 80	94.85	1324	97.8,97.8
90	0.5886	1.026	0.3794	11.77	15.58	10.56	0.1419	0.3397	80- 90	27.45	1352	99.9,99.9
100	0.4881	0.4171	0.3905	0.5325	0.2574	0.2040	0.1597	0.2840	90-100	1.681	1354	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0186	1354	100,100
120	0	0	0	0	0	0	0	0	110-120	0	1354	100,100
130	0	0	0	0	0	0	0	0	120-130	0	1354	100,100
140	0	0	0	0	0	0	0	0	130-140	0	1354	100,100
150	0	0	0	0	0	0	0	0	140-150	0	1354	100,100
160	0	0	0	0	0	0	0	0	150-160	0	1354	100,100
170	0	0	0	0	0	0	0	0	160-170	0	1354	100,100
180	0	0	0	0	0	0	0	0	170-180	0	1354	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:2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:



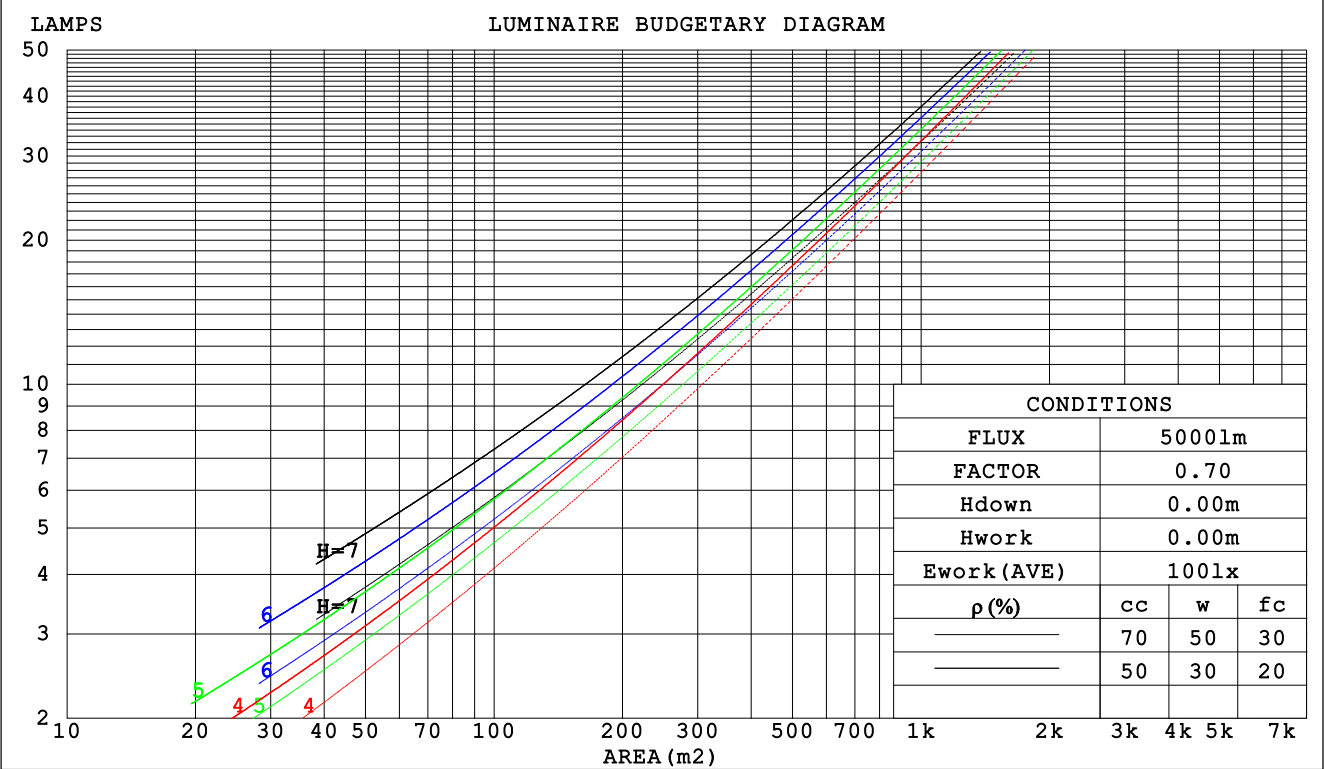
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

γ Range: 0 - 100DEG  
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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz		
Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:

ρcc	80%			70%			50%			30%			10%			0
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρfc	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	1.04	.99	.95	1.01	.97	.94	.97	.94	.91	.93	.91	.88	.90	.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	.64	.78	.70	.64	.74	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.62	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.51	.45	.55	.49	.45	.43
6.0	.56	.47	.41	.55	.47	.40	.53	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.48	.41	.35	.47	.40	.35	.46	.40	.35	.33
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.34	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.26	.24



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

γ Range: 0 - 100DEG  
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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
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	.312	.178	.056	.305	.174	.055	.292	.167	.053	.279	.161	.052	.268	.155	.050		
2.0	.293	.161	.049	.287	.158	.049	.275	.153	.048	.264	.148	.046	.254	.144	.045		
3.0	.271	.144	.043	.266	.142	.043	.255	.138	.042	.246	.135	.041	.237	.131	.041		
4.0	.250	.130	.038	.245	.128	.038	.236	.125	.037	.228	.122	.037	.220	.119	.036		
5.0	.231	.118	.034	.227	.117	.034	.219	.114	.034	.211	.111	.033	.204	.109	.033		
6.0	.215	.108	.031	.211	.106	.031	.203	.104	.030	.196	.102	.030	.190	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.183	.094	.027	.178	.092	.027		
8.0	.186	.091	.026	.183	.090	.026	.177	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.084	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.075	.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	.191	.191	.191	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021		
1.0	.181	.157	.135	.155	.135	.116	.106	.093	.080	.061	.054	.047	.020	.017	.015		
2.0	.173	.133	.099	.149	.114	.085	.102	.079	.060	.059	.046	.035	.019	.015	.011		
3.0	.166	.115	.075	.142	.099	.065	.098	.069	.046	.056	.040	.027	.018	.013	.009		
4.0	.158	.102	.059	.136	.088	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007		
5.0	.151	.092	.048	.129	.079	.042	.089	.055	.029	.052	.033	.017	.017	.011	.006		
6.0	.144	.083	.040	.123	.072	.035	.085	.050	.025	.049	.030	.015	.016	.010	.005		
7.0	.137	.076	.034	.118	.066	.030	.081	.046	.021	.047	.027	.013	.015	.009	.004		
8.0	.130	.071	.030	.112	.061	.026	.078	.043	.018	.045	.025	.011	.015	.008	.004		
9.0	.124	.066	.026	.107	.057	.023	.074	.040	.016	.043	.024	.010	.014	.008	.003		
10.0	.118	.061	.023	.102	.053	.020	.071	.037	.014	.041	.022	.009	.013	.007	.003		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

γ Range: 0 - 100DEG  
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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm										
NAME: 5050224-2850					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 2025123005		
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	30.7	32.3	31.0	32.5	32.7	31.4	33.0	31.7	33.2	33.4
3H	31.9	33.3	32.2	33.6	33.8	32.9	34.4	33.2	34.6	34.8
4H	32.2	33.6	32.6	33.8	34.1	33.5	34.9	33.8	35.1	35.4
6H	32.4	33.6	32.7	33.9	34.2	33.9	35.2	34.2	35.4	35.7
8H	32.4	33.6	32.7	33.9	34.2	34.0	35.2	34.4	35.5	35.8
12H	32.3	33.5	32.7	33.8	34.1	34.1	35.3	34.4	35.6	35.9
4H 2H	31.3	32.7	31.6	32.9	33.2	31.9	33.2	32.2	33.5	33.7
3H	32.6	33.8	33.0	34.1	34.4	33.5	34.7	33.9	35.0	35.3
4H	33.1	34.2	33.5	34.5	34.8	34.2	35.3	34.6	35.6	36.0
6H	33.3	34.2	33.7	34.6	35.0	34.7	35.7	35.1	36.0	36.4
8H	33.3	34.2	33.7	34.6	34.9	34.9	35.8	35.3	36.1	36.5
12H	33.3	34.1	33.7	34.5	34.9	35.0	35.8	35.4	36.2	36.6
8H 4H	33.3	34.2	33.7	34.5	34.9	34.3	35.2	34.7	35.6	36.0
6H	33.6	34.3	34.0	34.7	35.1	34.9	35.7	35.4	36.1	36.5
8H	33.6	34.3	34.1	34.7	35.2	35.1	35.8	35.6	36.2	36.7
12H	33.6	34.2	34.1	34.6	35.1	35.3	35.9	35.8	36.3	36.8
12H 4H	33.3	34.1	33.7	34.5	34.9	34.3	35.1	34.7	35.5	35.9
6H	33.6	34.3	34.1	34.7	35.1	34.9	35.6	35.4	36.0	36.5
8H	33.7	34.2	34.1	34.7	35.2	35.2	35.7	35.6	36.2	36.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.2				
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3				
2.0H	+ 0.3 / - 0.5					+ 0.3 / - 0.4				

CIE Pub.117, 1354 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = 1.1$ )  
Area: 0.0019 m<sup>2</sup>

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:

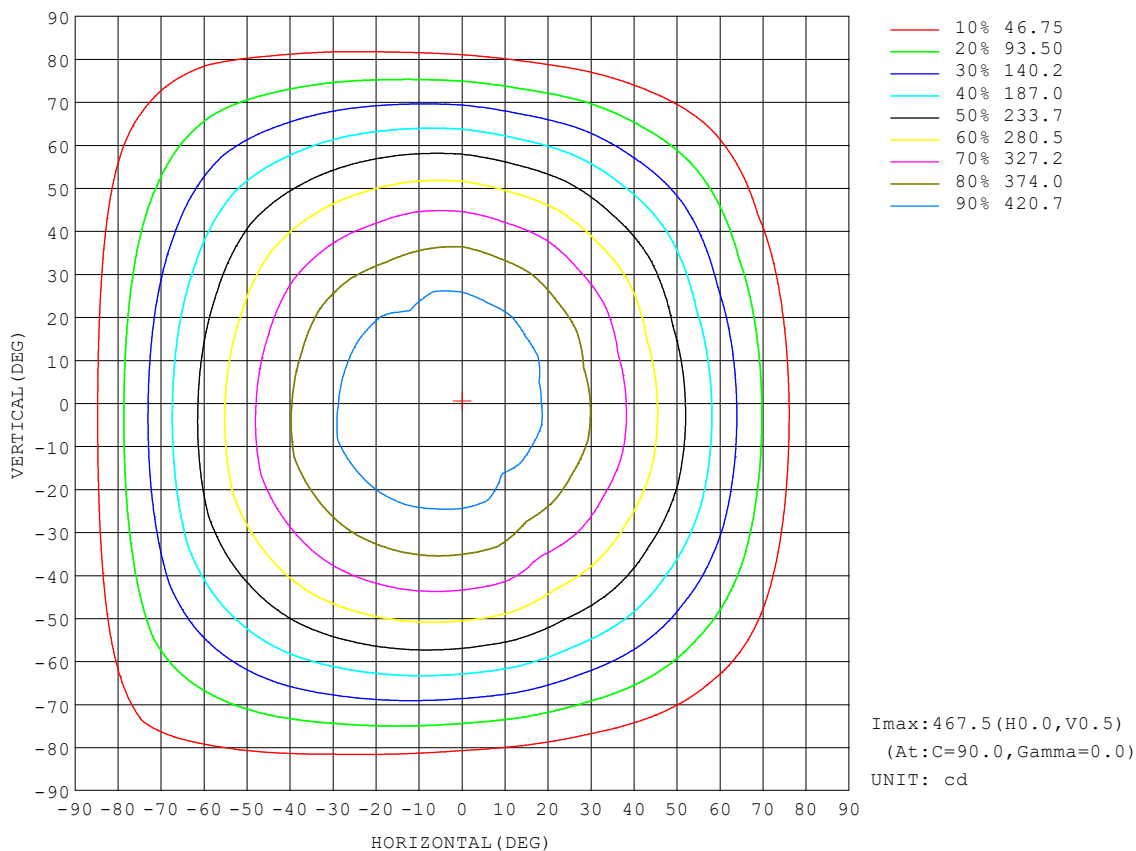
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	41
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	65	79	70	64	56
1.50	88	78	71	86	77	70	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	74
3.00	102	95	90	100	94	88	96	91	86	78
4.00	106	100	96	104	99	94	99	95	92	83
5.00	109	104	100	106	102	98	102	98	95	86
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: 2025-12-30

γ Range: 0 - 100DEG  
 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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:



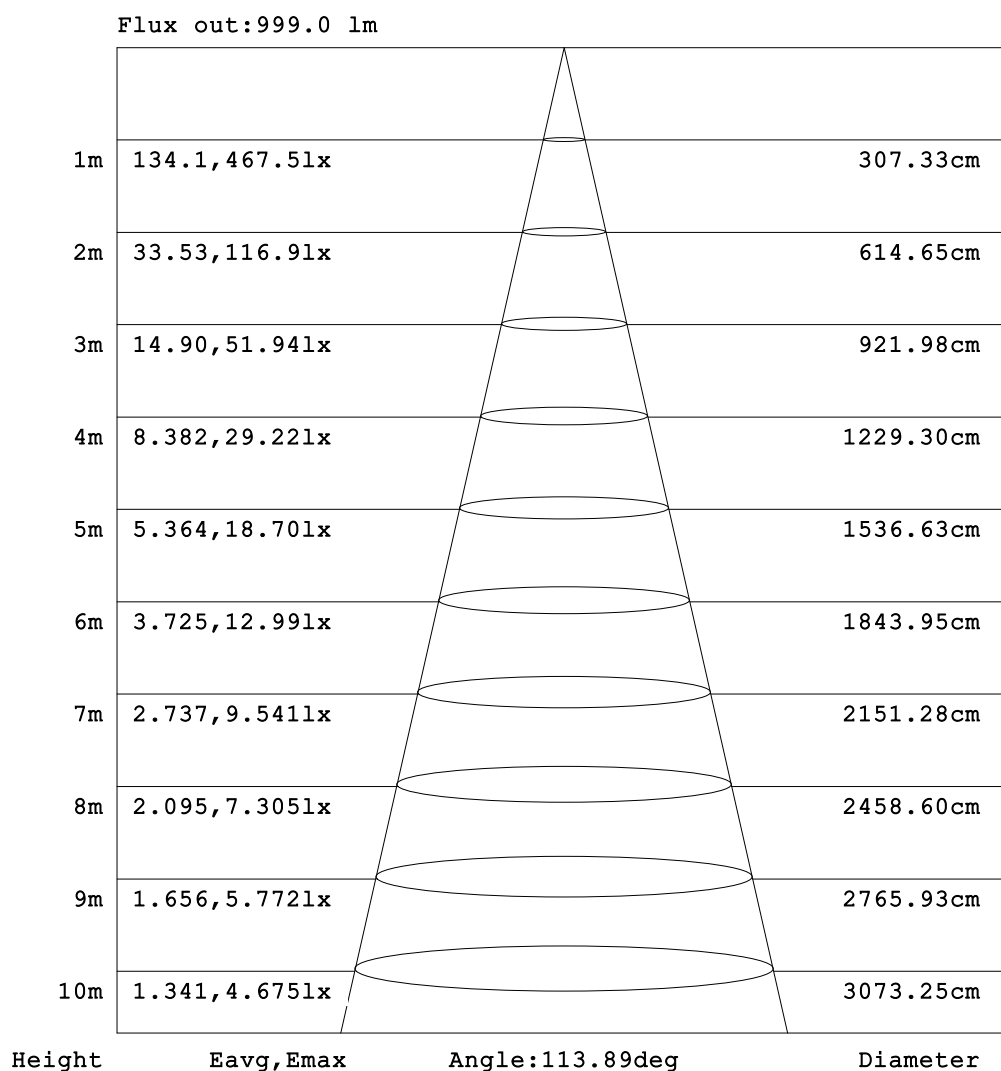
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:



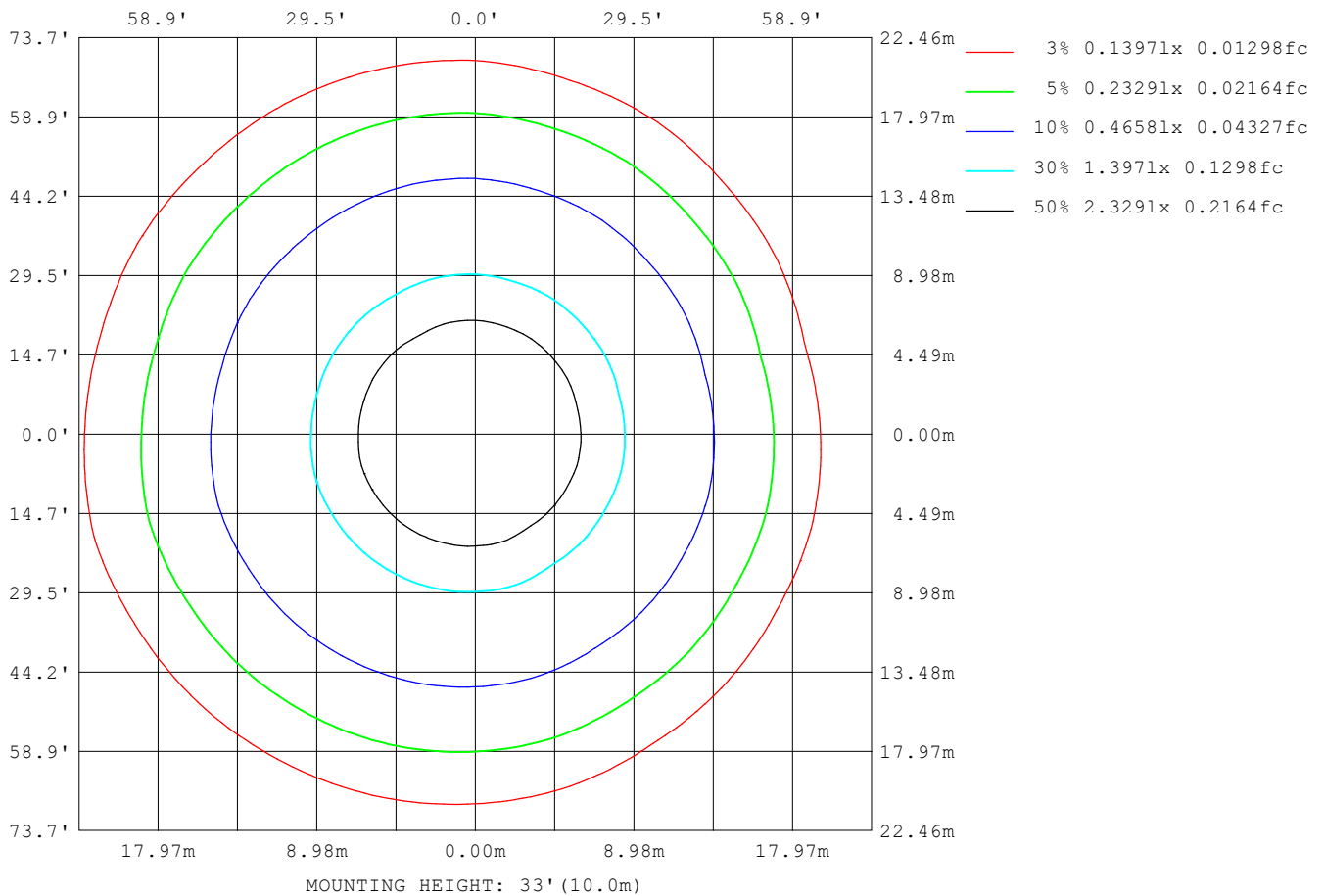
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:

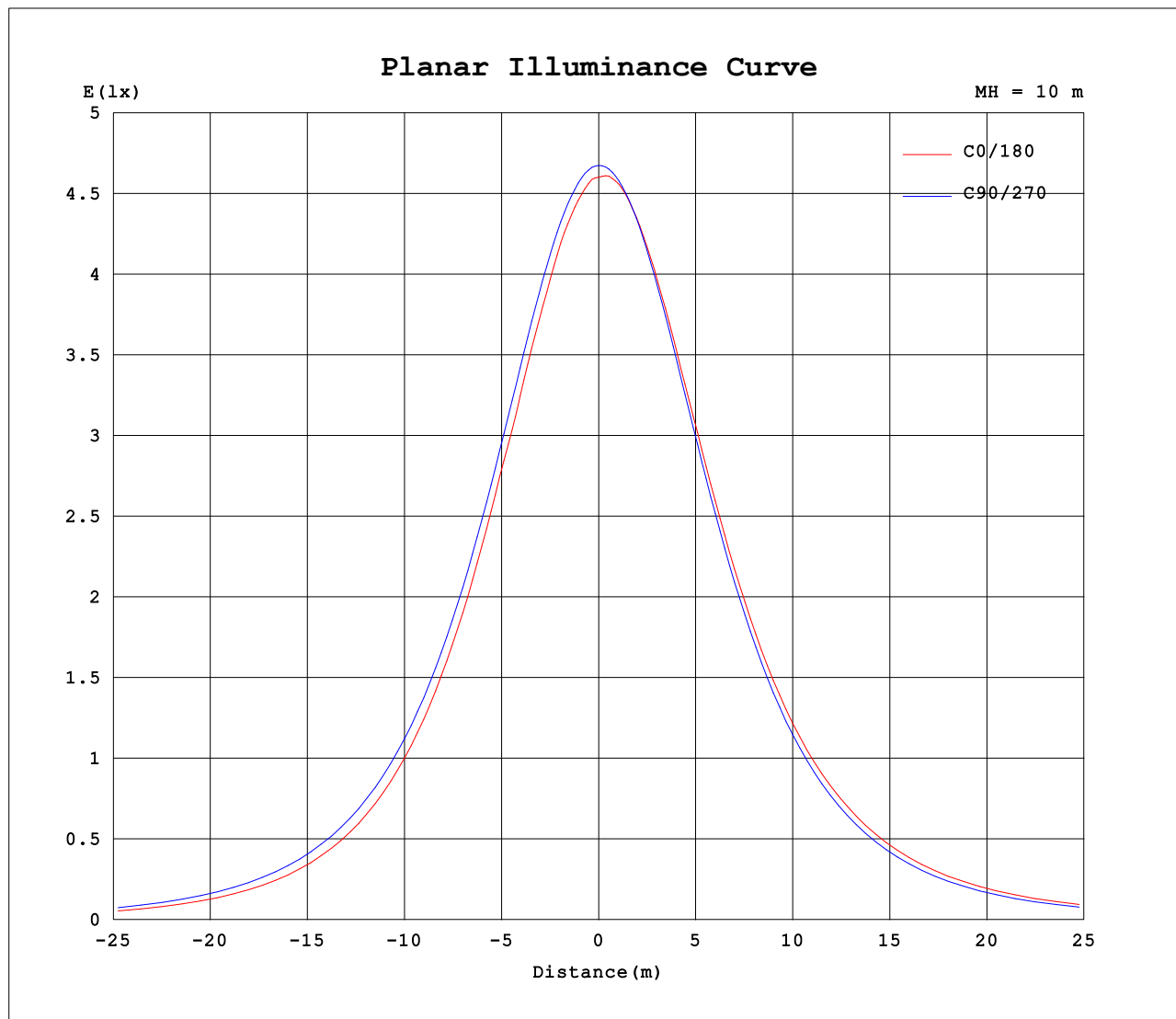
AvgL	cd/m2
L_0~180 (65) av	209787
L_0~180 (75) av	180095
L_0~180 (85) av	151201
L_90~270 (65) av	215781
L_90~270 (75) av	184467
L_90~270 (85) av	131659
L_45 (65) av	211038
L_45 (75) av	180977
L_45 (85) av	136332

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:SENPU  
Test Date:2025-12-30

γ Range: 0 - 100DEG  
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: 2025-12-30

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
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	460	461	459	459	454	467	467	465	466	465	466	463	460	461	459	459	454	467	467
5	455	455	454	455	450	463	465	464	466	465	467	465	463	462	461	460	454	465	466
10	446	447	445	446	441	456	459	459	462	462	464	464	461	459	459	457	452	462	461
15	431	433	433	434	430	446	449	450	454	456	458	458	455	453	453	450	444	454	452
20	415	418	417	418	417	432	435	438	442	445	448	450	446	443	443	440	433	443	440
25	395	398	398	400	400	415	419	422	427	431	434	437	432	431	430	426	420	427	424
30	373	376	374	378	379	394	398	403	408	413	417	421	416	414	413	411	401	406	404
35	346	349	349	353	354	370	375	380	386	392	396	401	396	393	392	389	383	385	381
40	316	320	319	324	322	342	347	354	360	367	372	377	372	368	368	364	354	359	354
45	284	288	287	292	296	311	317	325	331	339	344	351	345	340	340	336	331	330	325
50	248	253	253	259	263	278	284	292	300	308	313	321	315	309	310	304	300	297	292
55	211	216	216	223	228	241	249	257	265	273	280	288	281	275	276	270	264	262	256
60	171	177	177	184	190	202	210	219	227	236	243	252	244	239	239	233	229	224	217
65	131	137	137	144	150	162	170	179	188	197	204	213	206	200	201	193	189	183	176
70	91.3	96.8	97.4	104	110	122	129	138	146	156	163	173	165	160	160	153	148	141	135
75	53.9	58.7	60.0	66.2	72.1	81.9	88.9	97.8	105	114	122	131	123	118	118	112	107	99.6	92.5
80	22.9	26.5	27.7	32.8	37.9	45.8	51.7	59.4	66.0	74.3	81.2	90.0	82.5	77.7	77.9	71.9	66.8	60.2	54.0
85	5.27	6.34	6.82	9.42	12.2	17.3	21.4	27.2	31.9	38.2	44.0	51.6	44.8	40.7	41.3	36.1	32.5	27.3	22.2
90	0.59	0.67	0.82	1.03	1.49	1.56	0.38	3.79	8.27	11.8	15.0	20.5	15.6	12.7	13.6	10.6	8.88	3.44	0.14
95	0.44	0.43	0.41	0.39	0.40	0.42	0.35	0.61	1.19	1.35	1.97	3.49	1.74	1.09	1.33	1.11	1.03	0.72	0.15
100	0.49	0.45	0.41	0.42	0.41	0.41	0.39	0.41	0.57	0.53	0.46	0.43	0.26	0.23	0.22	0.20	0.26	0.18	0.16
105	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
110	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
115	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
120	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
125	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
130	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
135	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
140	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
145	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
150	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
155	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
160	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
165	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
170	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
175	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
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:25DEG  
Operators:SENPU  
Test Date:2025-12-30

γ Range: 0 - 100DEG  
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:24.00V I:0.779A P:18.70W PF:1.000 Freq:0Hz Lamp Flux:1353.58x1 lm		
NAME: 5050224-2850	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2025123005
MFR.:	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	465	466	465	466	463														
5	463	463	460	461	456														
10	457	456	452	452	446														
15	447	446	440	439	432														
20	434	432	425	423	416														
25	417	414	406	403	395														
30	396	392	384	380	371														
35	372	367	358	353	344														
40	345	339	329	324	314														
45	314	308	297	291	280														
50	281	274	262	256	244														
55	244	237	224	218	206														
60	205	197	185	178	166														
65	164	156	143	136	125														
70	123	115	102	95.2	85.0														
75	82.0	74.6	63.7	56.7	45.9														
80	45.5	38.5	29.9	23.6	17.2														
85	16.5	11.4	6.56	4.48	3.13														
90	1.13	0.88	0.34	0.23	0.37														
95	0.24	0.17	0.24	0.27	0.31														
100	0.18	0.18	0.28	0.44	0.30														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:SENPU  
 Test Date:2025-12-30

γ Range: 0 - 100DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity:61%  
 Test Distance:8.000m [K=1.0000]  
 Remarks: