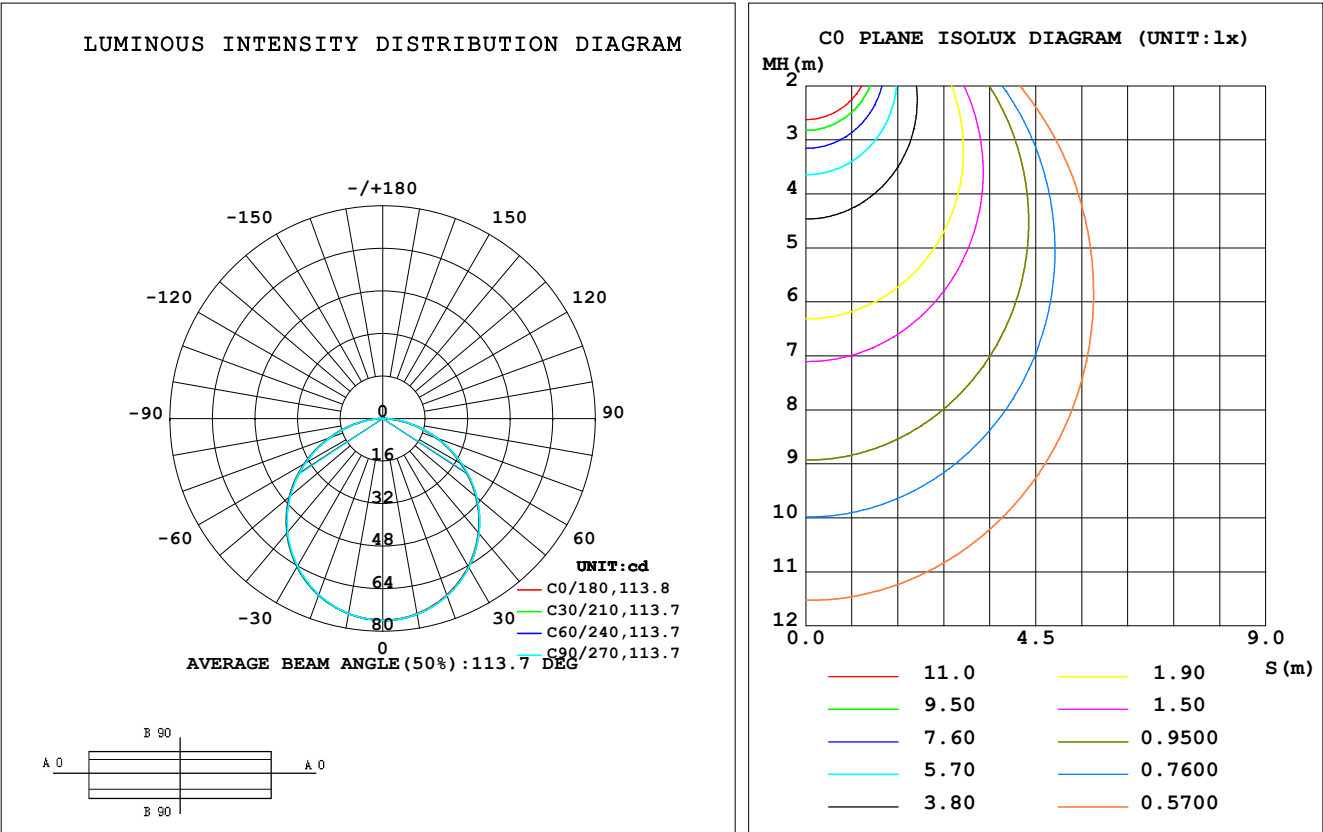


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 74.69 lm/W
MODEL		I _{max} (cd)	75.94	S/MH (C0/180)	1.27	
NOMINAL POWER (W)		LOR (%)	100.0	S/MH (C90/270)	1.26	
RATED VOLTAGE (V)	24	TOTAL FLUX (lm)	220.49	η UP, DN (C0-180)	0.0, 50.6	
NOMINAL FLUX (lm)	220.486	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.3	
LAMPS INSIDE	1	η up (%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE (V)	24	η down (%)	100.0	CIBSE SHR MAX	1.35	



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	74.48	74.62	74.72	74.78	74.46	74.46	74.44	74.38	0- 10	7.181	7.181	3.26,3.26
20	70.58	70.88	70.91	71.14	70.62	70.46	70.45	70.25	10- 20	20.59	27.77	12.6,12.6
30	64.32	64.77	64.74	65.13	64.46	64.12	64.11	63.79	20- 30	31.28	59.05	26.8,26.8
40	55.94	56.44	56.37	56.88	56.11	55.63	55.63	55.20	30- 40	37.85	96.90	43.9,43.9
50	45.72	46.27	46.23	46.75	45.94	45.30	45.39	44.84	40- 50	39.45	136.4	61.8,61.8
60	34.02	34.58	34.59	35.11	34.22	33.52	33.61	33.04	50- 60	35.84	172.2	78.1,78.1
70	21.47	21.97	22.04	22.52	21.56	20.90	21.03	20.50	60- 70	27.55	199.7	90.6,90.6
80	9.286	9.735	9.858	10.24	9.328	8.901	8.913	8.553	70- 80	16.17	215.9	97.9,97.9
90	0.0818	0.0782	0.1750	0.2007	0.0111	0.0467	0	0.0568	80- 90	4.523	220.4	100,100
100	0.0561	0.0449	0.0337	0.0449	0.0337	0.0225	0.0112	0	90-100	0.0405	220.5	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0017	220.5	100,100
120	0	0	0	0	0	0	0	0	110-120	0	220.5	100,100
130	0	0	0	0	0	0	0	0	120-130	0	220.5	100,100
140	0	0	0	0	0	0	0	0	130-140	0	220.5	100,100
150	0	0	0	0	0	0	0	0	140-150	0	220.5	100,100
160	0	0	0	0	0	0	0	0	150-160	0	220.5	100,100
170	0	0	0	0	0	0	0	0	160-170	0	220.5	100,100
180	0	0	0	0	0	0	0	0	170-180	0	220.5	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 116.75 lm

%lum = 53.0%

%lamp = 53.0%

Conical surface Flux(120deg): 172.19 lm

%lum = 78.1%

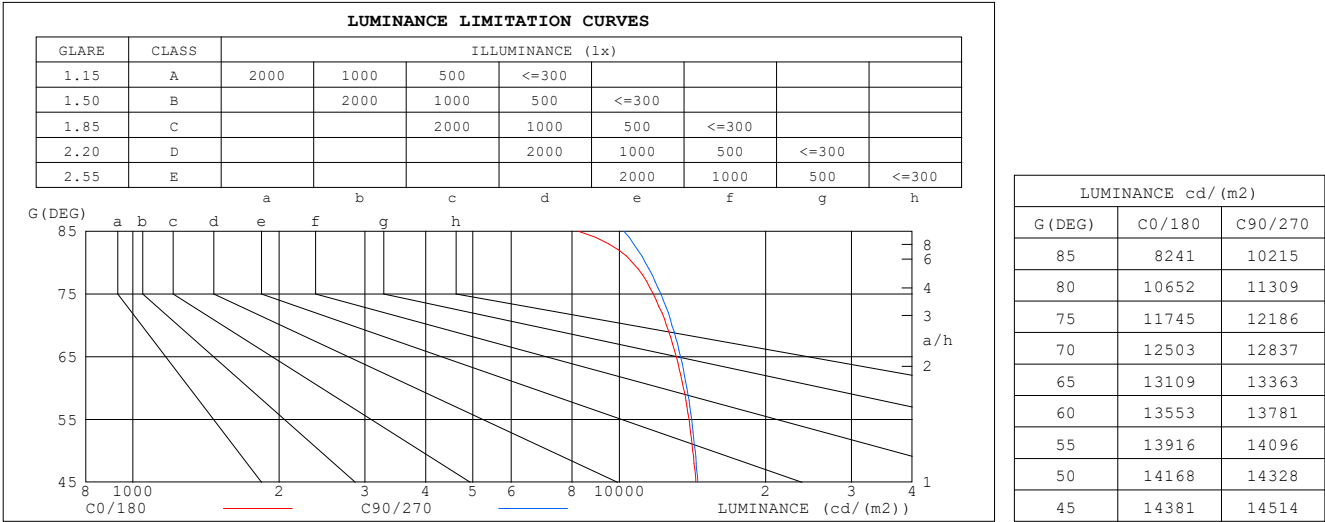
%lamp = 78.1%

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:



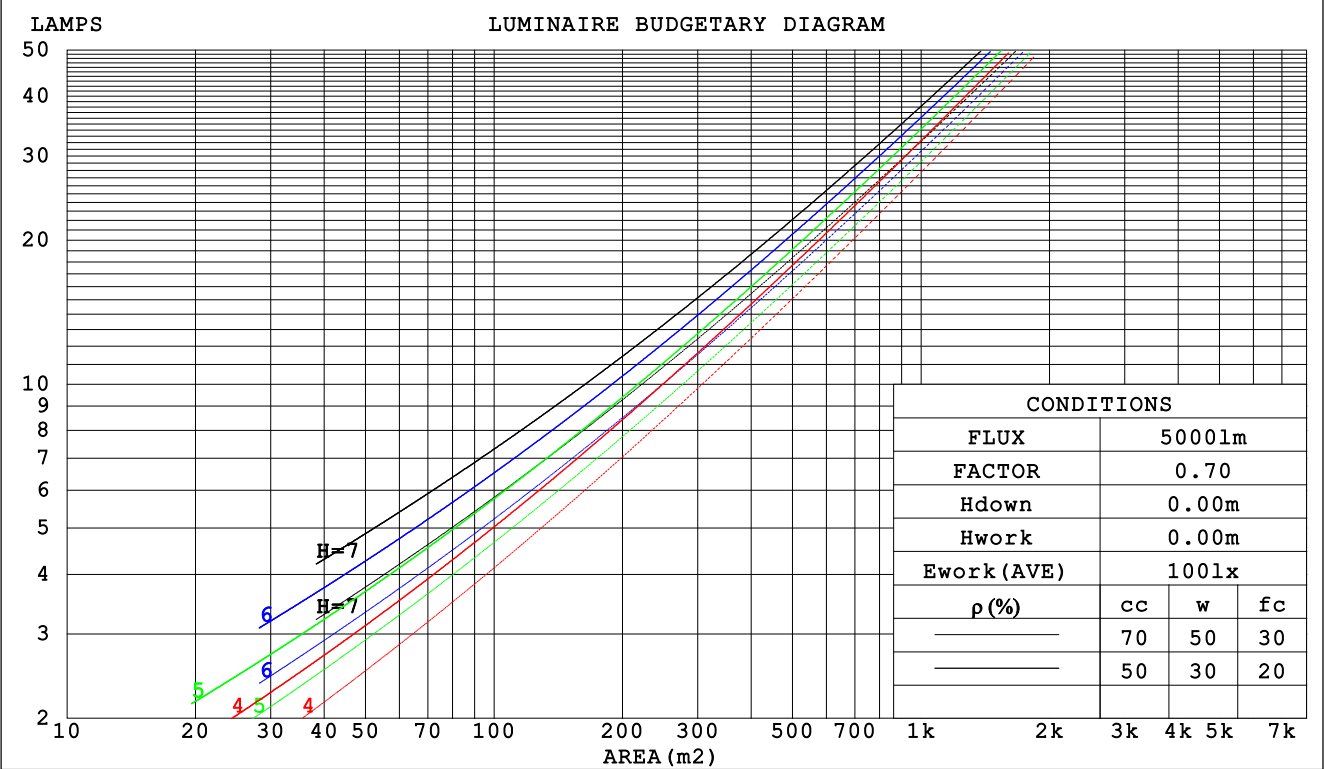
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz		
Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
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	.90	.88	.90	.87	.85	.83
2.0	.90	.83	.77	.88	.82	.76	.85	.79	.75	.81	.77	.73	.78	.75	.71	.69
3.0	.79	.71	.64	.77	.70	.64	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.69	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.52	.49
5.0	.62	.53	.47	.61	.53	.46	.59	.52	.46	.57	.50	.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	.39	.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	.33	.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:2024-12-06

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=1.1369]

Remarks:

WEC AND CCEC

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
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	.314	.179	.057	.307	.175	.056	.294	.168	.054	.281	.162	.052	.270	.157	.050		
2.0	.295	.162	.050	.288	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.272	.145	.043	.267	.143	.043	.256	.139	.042	.247	.135	.041	.238	.132	.041		
4.0	.251	.130	.038	.246	.129	.038	.237	.126	.038	.228	.123	.037	.220	.120	.036		
5.0	.232	.118	.034	.227	.117	.034	.219	.114	.034	.212	.112	.033	.205	.109	.033		
6.0	.215	.108	.031	.211	.107	.031	.204	.104	.030	.197	.102	.030	.191	.100	.030		
7.0	.200	.099	.028	.196	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.183	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.082	.023	.162	.081	.023	.157	.080	.023		
10.0	.164	.079	.022	.162	.078	.022	.157	.077	.022	.153	.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	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.134	.155	.134	.115	.106	.092	.080	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.098	.148	.114	.085	.101	.079	.059	.058	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.157	.101	.058	.135	.087	.051	.093	.061	.036	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.079	.041	.089	.055	.029	.051	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.076	.033	.117	.065	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.129	.070	.029	.111	.060	.025	.077	.042	.018	.045	.025	.011	.015	.008	.004	
9.0	.123	.065	.025	.106	.056	.022	.074	.040	.016	.043	.023	.009	.014	.008	.003	
10.0	.118	.061	.023	.101	.053	.020	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm										
NAME: EPR105TWWS 2000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 2024120602		
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	22.1	23.6	22.3	23.8	24.0	22.1	23.7	22.4	23.9	24.1
3H	23.6	25.1	23.9	25.3	25.5	23.7	25.1	24.0	25.4	25.6
4H	24.3	25.6	24.6	25.9	26.1	24.4	25.7	24.7	26.0	26.2
6H	24.7	26.0	25.1	26.3	26.6	24.9	26.1	25.2	26.4	26.7
8H	24.9	26.1	25.2	26.4	26.7	25.0	26.3	25.4	26.5	26.8
12H	24.9	26.1	25.3	26.4	26.7	25.1	26.3	25.5	26.6	26.9
4H 2H	22.7	24.1	23.0	24.3	24.6	22.8	24.1	23.1	24.4	24.6
3H	24.5	25.6	24.8	25.9	26.2	24.5	25.7	24.9	26.0	26.3
4H	25.2	26.3	25.6	26.6	26.9	25.3	26.4	25.7	26.7	27.0
6H	25.8	26.8	26.2	27.1	27.5	25.9	26.9	26.3	27.2	27.6
8H	26.0	26.9	26.4	27.3	27.7	26.2	27.1	26.6	27.4	27.8
12H	26.1	26.9	26.5	27.3	27.7	26.3	27.1	26.8	27.5	27.9
8H 4H	25.5	26.4	25.9	26.8	27.2	25.6	26.5	26.0	26.9	27.2
6H	26.3	27.0	26.7	27.4	27.8	26.4	27.1	26.8	27.5	28.0
8H	26.5	27.2	27.0	27.6	28.1	26.7	27.4	27.2	27.8	28.2
12H	26.7	27.3	27.2	27.7	28.2	26.9	27.5	27.4	28.0	28.4
12H 4H	25.5	26.3	25.9	26.7	27.1	25.6	26.4	26.0	26.8	27.2
6H	26.3	27.0	26.8	27.4	27.9	26.4	27.1	26.9	27.5	28.0
8H	26.7	27.2	27.1	27.7	28.1	26.8	27.4	27.3	27.8	28.3
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 / - 0.3					+ 0.2 / - 0.3				

CIE Pub.117, 220.5 lm Total Lamp Luminous Flux Corrected ($8\log(F/F_0) = -5.3$)
Area: 0.00502 m²

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:

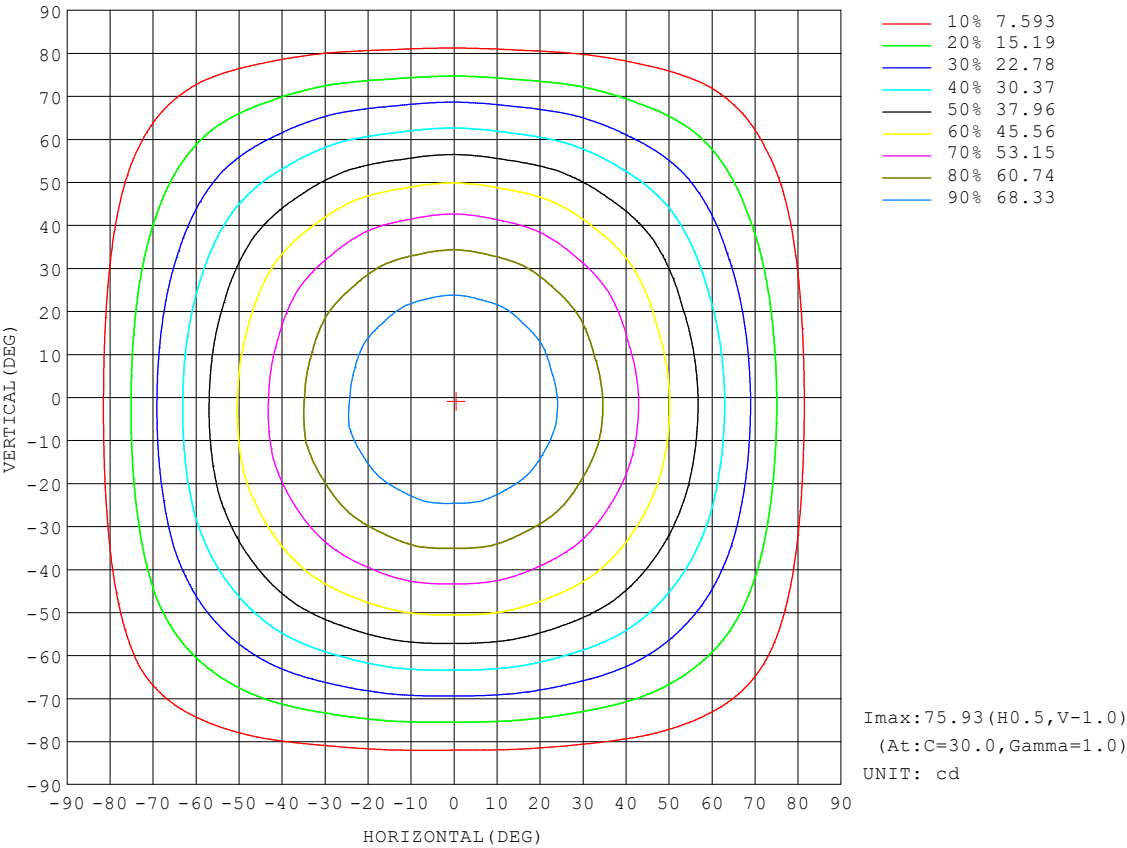
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	79	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	83	77	69
2.50	99	91	85	97	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	91	86	78
4.00	106	100	96	104	98	94	99	95	91	83
5.00	108	104	99	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: 2024-12-06

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=1.1369]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz		
Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:

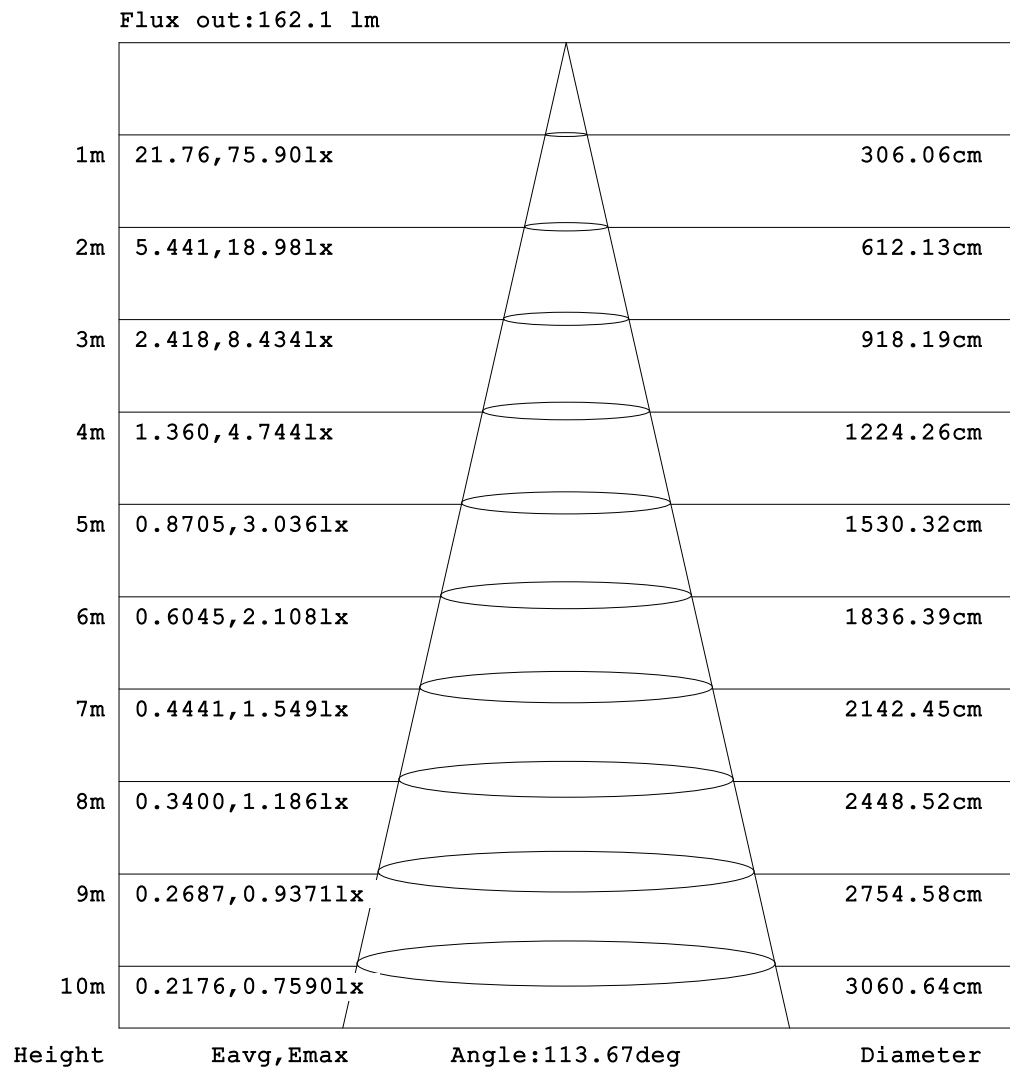


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

AAI Figure

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:



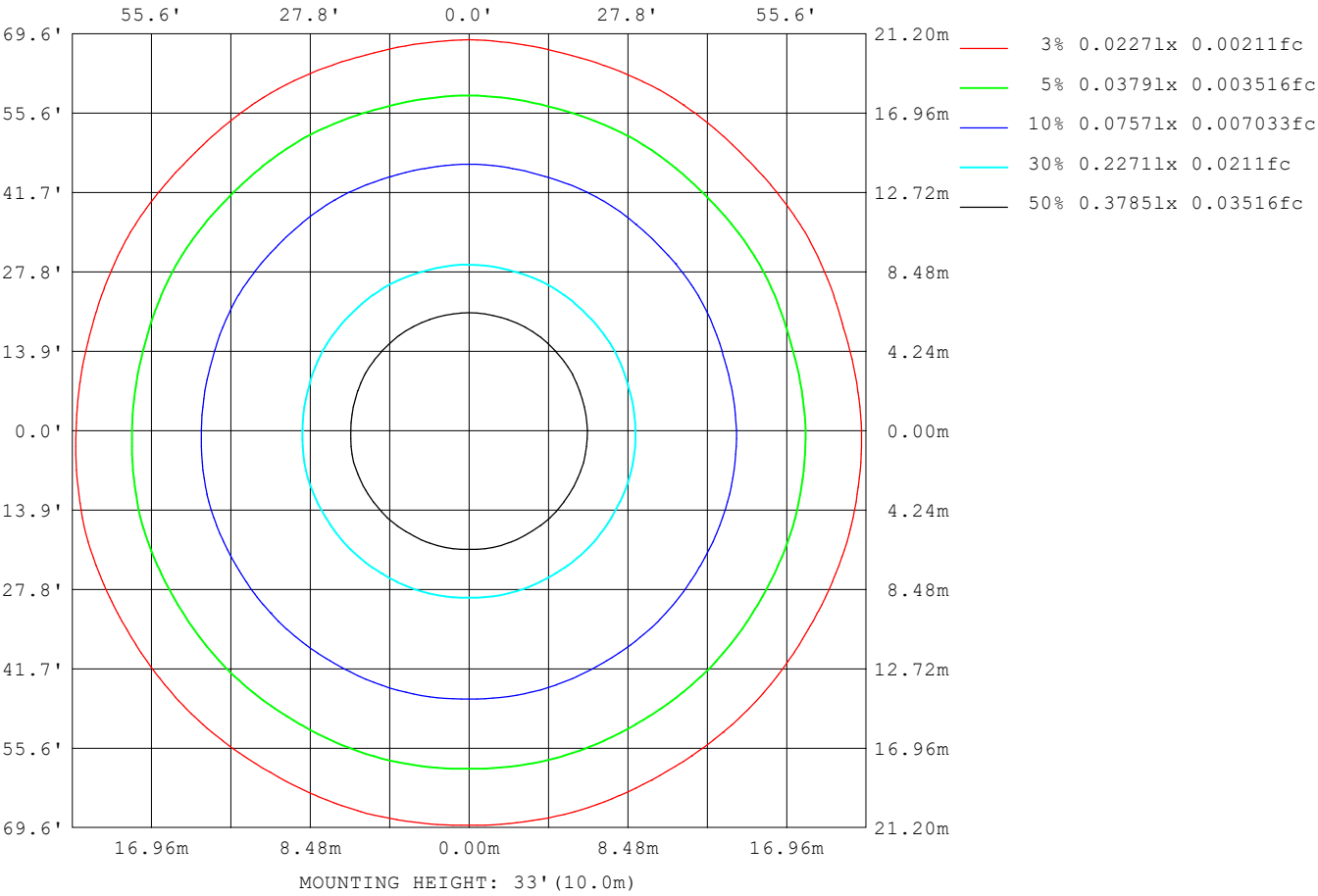
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

LED Avg.L Report

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:

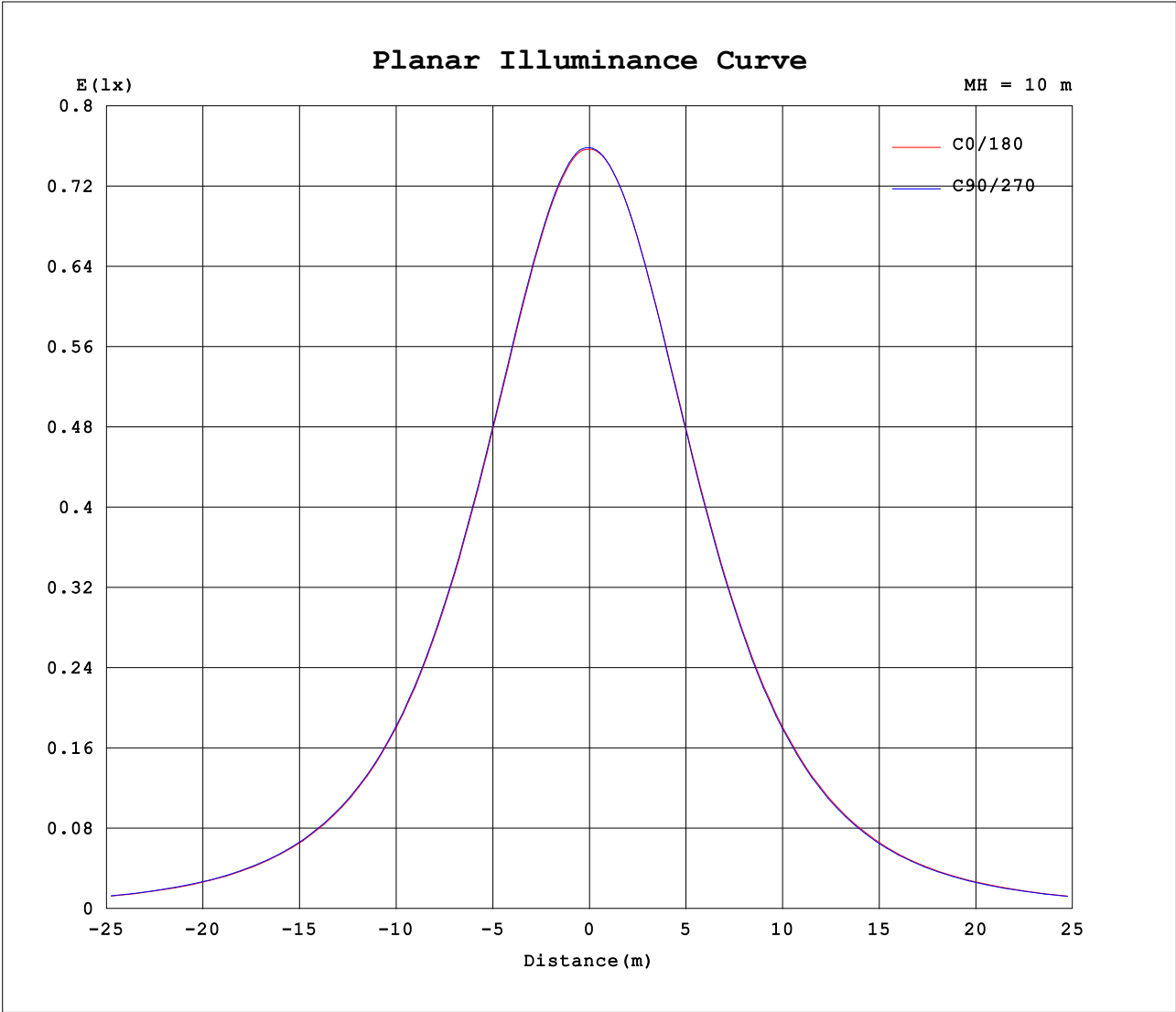
AvgL	cd/m2
L_0~180 (65) av	13140
L_0~180 (75) av	11757
L_0~180 (85) av	8340
L_90~270 (65) av	13129
L_90~270 (75) av	11787
L_90~270 (85) av	9226
L_45 (65) av	13104
L_45 (75) av	11737
L_45 (85) av	9186

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25DEG
Operators:SENPU
Test Date:2024-12-06

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=1.1369]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
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	75.7	75.8	75.9	75.8	75.9	75.9	75.8	75.9	75.9	75.9	75.9	75.9	75.7	75.8	75.9	75.8	75.9	75.9	75.8	
5	75.5	75.5	75.6	75.6	75.7	75.6	75.7	75.6	75.7	75.6	75.7	75.7	75.4	75.5	75.5	75.5	75.5	75.6	75.4	
10	74.5	74.5	74.6	74.6	74.7	74.7	74.7	74.8	74.8	74.8	74.8	74.8	74.5	74.5	74.5	74.5	74.5	74.5	74.4	
15	72.8	73.0	73.0	73.1	73.1	73.2	73.1	73.3	73.2	73.3	73.3	73.3	72.8	72.8	72.9	72.8	72.8	72.8	72.7	
20	70.6	70.8	70.8	70.9	70.9	71.0	70.9	71.1	71.0	71.1	71.1	71.2	70.6	70.6	70.7	70.5	70.6	70.4	70.5	
25	67.7	68.0	67.9	68.1	68.0	68.3	68.1	68.4	68.2	68.4	68.3	68.5	67.8	67.7	67.8	67.6	67.7	67.5	67.5	
30	64.3	64.6	64.5	64.8	64.7	64.9	64.7	65.0	64.9	65.1	65.0	65.2	64.5	64.2	64.4	64.1	64.3	64.0	64.1	
35	60.4	60.8	60.6	60.9	60.7	61.1	60.8	61.2	61.0	61.3	61.1	61.4	60.5	60.3	60.5	60.1	60.3	60.0	60.1	
40	55.9	56.3	56.1	56.4	56.3	56.6	56.4	56.8	56.6	56.9	56.7	57.0	56.1	55.8	56.1	55.6	55.9	55.5	55.6	
45	51.0	51.4	51.2	51.6	51.4	51.7	51.5	51.9	51.7	52.0	51.9	52.1	51.3	50.9	51.2	50.7	51.0	50.5	50.7	
50	45.7	46.1	45.9	46.3	46.1	46.5	46.2	46.6	46.4	46.7	46.6	46.9	45.9	45.5	45.9	45.3	45.6	45.1	45.4	
55	40.1	40.4	40.2	40.6	40.4	40.8	40.6	41.0	40.8	41.1	40.9	41.2	40.3	39.8	40.2	39.6	39.9	39.3	39.7	
60	34.0	34.4	34.2	34.6	34.4	34.8	34.6	35.0	34.8	35.1	34.9	35.2	34.2	33.7	34.1	33.5	33.8	33.3	33.6	
65	27.8	28.1	28.0	28.3	28.2	28.6	28.4	28.7	28.5	28.9	28.7	28.9	27.9	27.5	27.8	27.2	27.6	27.0	27.4	
70	21.5	21.8	21.7	22.0	21.9	22.2	22.0	22.4	22.2	22.5	22.4	22.6	21.6	21.1	21.4	20.9	21.2	20.7	21.0	
75	15.3	15.5	15.4	15.7	15.6	15.9	15.8	16.1	16.0	16.2	16.1	16.3	15.3	14.9	15.2	14.7	15.0	14.6	14.8	
80	9.29	9.53	9.49	9.73	9.69	9.96	9.86	10.1	10.0	10.2	10.1	10.3	9.33	9.04	9.22	8.90	9.07	8.78	8.91	
85	3.61	3.81	3.86	4.31	4.33	4.50	4.47	4.64	4.59	4.74	4.67	4.61	3.69	3.52	3.68	3.67	3.74	3.55	3.60	
90	0.08	0.04	0.11	0.08	0.16	0.16	0.17	0.14	0.23	0.20	0.27	0.18	0.01	0.05	0.03	0.05	0.01	0.05	0.00	
95	0.06	0.03	0.06	0.04	0.06	0.04	0.03	0.03	0.06	0.04	0.07	0.06	0.00	0.02	0.02	0.02	0.01	0.02	0.02	
100	0.06	0.03	0.04	0.04	0.03	0.04	0.03	0.03	0.06	0.04	0.10	0.06	0.03	0.02	0.02	0.02	0.01	0.02	0.01	
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:2024-12-06

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=1.1369]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.123A P:2.95W PF:1.000 Freq:0Hz Lamp Flux:220.486x1 lm		
NAME: EPR105TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120602
MFR.:	SUR.:	Shielding Angle:

Table--2						UNIT: cd													
C (DEG) γ (DEG)	285	300	315	330	345														
0	75.9	75.9	75.9	75.9	75.9														
5	75.6	75.5	75.5	75.5	75.5														
10	74.4	74.4	74.4	74.4	74.4														
15	72.7	72.7	72.6	72.7	72.6														
20	70.3	70.4	70.3	70.4	70.3														
25	67.4	67.5	67.3	67.5	67.3														
30	63.9	64.1	63.8	64.1	63.8														
35	59.8	60.1	59.7	60.1	59.7														
40	55.3	55.6	55.2	55.6	55.2														
45	50.3	50.7	50.2	50.6	50.2														
50	44.9	45.3	44.8	45.3	44.8														
55	39.2	39.6	39.1	39.6	39.1														
60	33.1	33.5	33.0	33.5	33.0														
65	26.9	27.3	26.8	27.2	26.7														
70	20.6	20.9	20.5	20.9	20.4														
75	14.4	14.7	14.3	14.6	14.2														
80	8.70	8.83	8.55	8.74	8.46														
85	3.48	3.54	3.36	3.40	2.93														
90	0.05	0.01	0.06	0.00	0.03														
95	0.04	0.02	0.04	0.00	0.03														
100	0.00	0.02	0.00	0.00	0.02														
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:2024-12-06

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=1.1369]
Remarks: