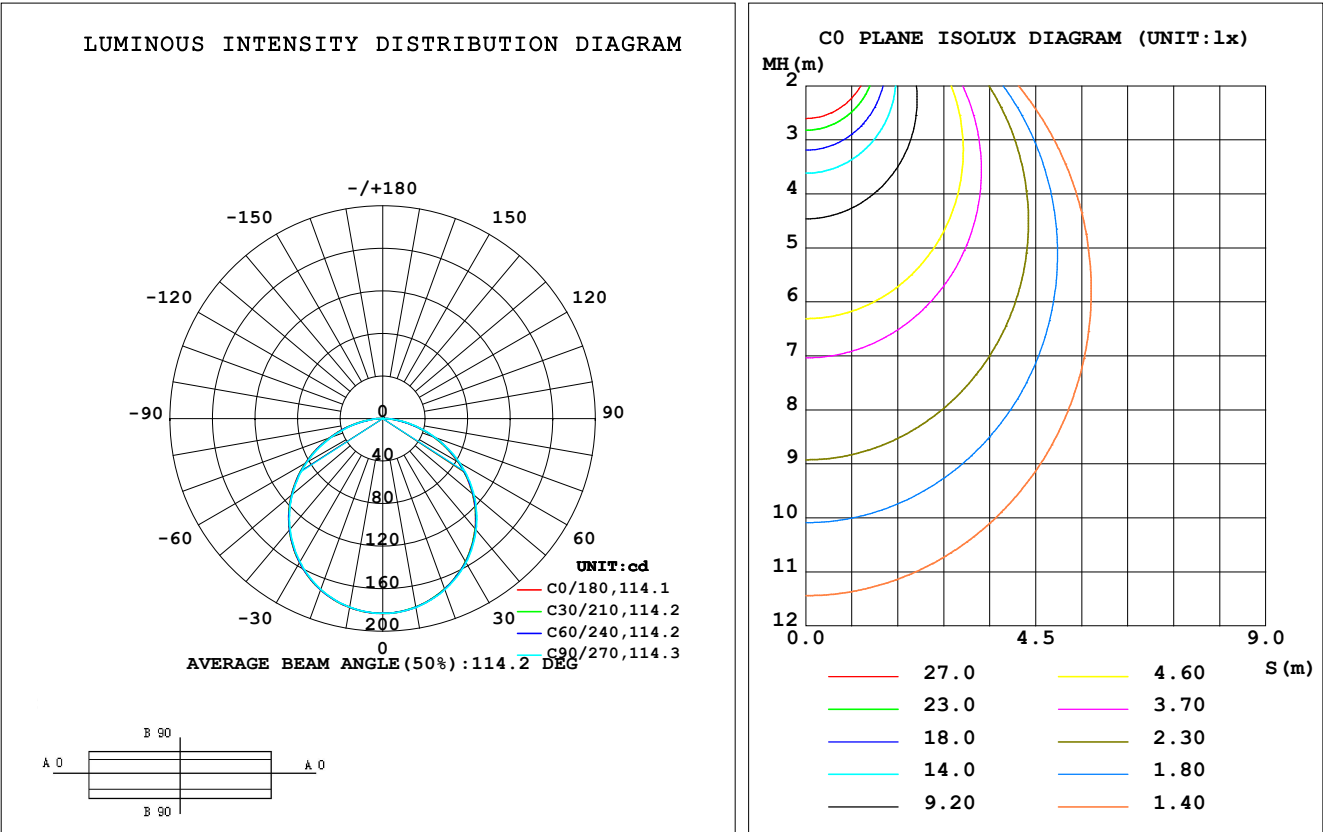


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA      Eff: 85.70 lm/W			
MODEL		I <sub>max</sub> (cd)	183.2	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)	534.79	η UP, DN (C0-180)	0.0, 50.4
NOMINAL FLUX (lm)	534.789	CIE CLASS	DIRECT	η UP, DN (C180-360)	0.0, 49.5
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: CHEN  
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=1.1658]  
Remarks:

## ZONAL FLUX DIAGRAM

## ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	179.9	180.1	180.2	180.6	180.3	180.0	180.0	179.5	0- 10	17.33	17.33	3.24,3.24
20	170.4	171.0	171.1	171.9	171.3	170.7	170.7	169.7	10- 20	49.73	67.06	12.5,12.5
30	155.4	156.2	156.6	157.5	156.5	155.9	155.7	154.4	20- 30	75.62	142.7	26.7,26.7
40	135.2	136.3	136.6	137.9	136.6	135.8	135.6	133.9	30- 40	91.69	234.4	43.8,43.8
50	110.5	111.7	112.3	113.7	112.2	111.1	111.0	108.8	40- 50	95.76	330.1	61.7,61.7
60	81.96	83.14	83.77	85.46	83.94	82.58	82.47	80.16	50- 60	87.11	417.3	78,78
70	51.33	52.37	53.09	54.80	53.29	51.92	51.59	49.40	60- 70	66.95	484.2	90.5,90.5
80	21.80	22.70	23.41	24.95	23.40	22.66	21.88	20.40	70- 80	39.17	523.4	97.9,97.9
90	0.1743	0.2002	0.5615	1.488	0.3977	0.1323	0.0471	0.0610	80- 90	11.30	534.7	100,100
100	0.1417	0.1535	0.1180	0.1298	0.0826	0.0354	0.0354	0.0236	90-100	0.1155	534.8	100,100
110	0	0	0	0	0	0	0	0	100-110	0.0049	534.8	100,100
120	0	0	0	0	0	0	0	0	110-120	0	534.8	100,100
130	0	0	0	0	0	0	0	0	120-130	0	534.8	100,100
140	0	0	0	0	0	0	0	0	130-140	0	534.8	100,100
150	0	0	0	0	0	0	0	0	140-150	0	534.8	100,100
160	0	0	0	0	0	0	0	0	150-160	0	534.8	100,100
170	0	0	0	0	0	0	0	0	160-170	0	534.8	100,100
180	0	0	0	0	0	0	0	0	170-180	0	534.8	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

Conical surface Flux(90deg): 282.55 lm

%lum = 52.8%

%lamp = 52.8%

Conical surface Flux(120deg): 417.25 lm

%lum = 78.0%

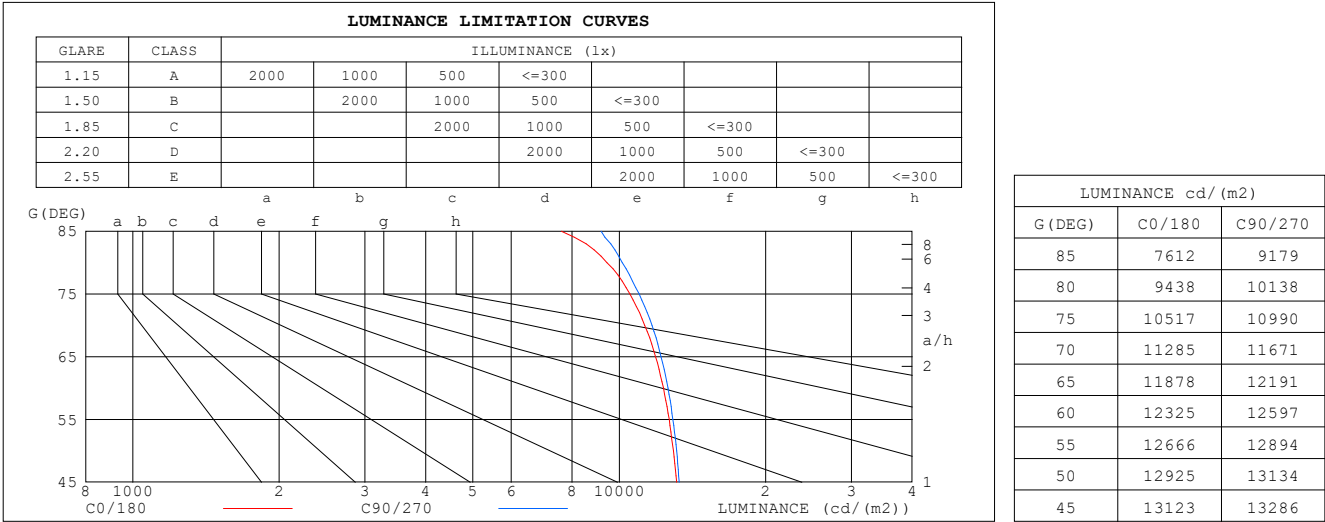
%lamp = 78.0%

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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.1658]  
Remarks:

LUMINANCE LIMITATION CURVES

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:



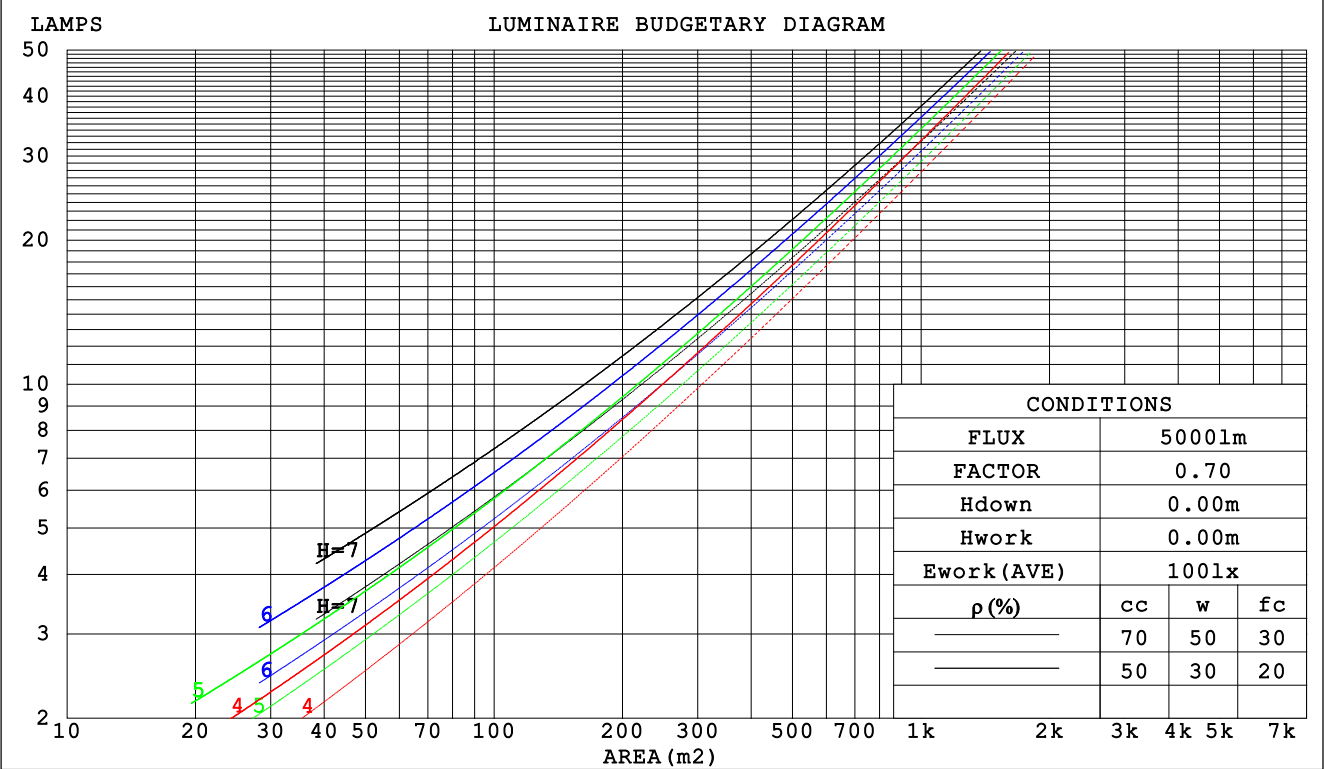
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN  
Test Date:2024-12-06

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=1.1658]  
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz		
Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
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	.63	.74	.68	.62	.72	.66	.61	.69	.64	.60	.58
4.0	.70	.61	.54	.68	.60	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.53	.46	.59	.51	.46	.57	.50	.45	.55	.49	.45	.43
6.0	.56	.47	.40	.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	.31	.43	.36	.31	.42	.36	.31	.29
9.0	.42	.34	.29	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



C Range: 0 - 360DEG

C Interval: 15.0DEG

Test Speed: HIGH

Temperature:25DEG

Operators:CHEN

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=1.1658]

Remarks:

## WEC AND CCEC

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
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	.315	.179	.057	.308	.175	.056	.294	.169	.054	.282	.163	.052	.271	.157	.051		
2.0	.295	.162	.050	.289	.159	.049	.277	.154	.048	.266	.149	.047	.256	.145	.046		
3.0	.273	.145	.043	.267	.143	.043	.257	.139	.042	.247	.135	.042	.238	.132	.041		
4.0	.251	.131	.038	.246	.129	.038	.237	.126	.038	.229	.123	.037	.221	.120	.037		
5.0	.232	.118	.034	.228	.117	.034	.220	.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	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.093	.027		
8.0	.187	.091	.026	.184	.090	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.172	.084	.024	.167	.083	.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	.059	.046	.035	.019	.015	.011	
3.0	.165	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.027	.018	.013	.009	
4.0	.158	.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	.066	.029	.081	.046	.021	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.029	.112	.061	.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:CHEN  
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=1.1658]  
Remarks:

UGR(Unified Glare Rating) Table

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm										
NAME: EPR150TWWS 2000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.: 2024120606		
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	21.7	23.2	22.0	23.4	23.7	21.8	23.3	22.1	23.5	23.7
3H	23.2	24.7	23.5	24.9	25.1	23.4	24.8	23.7	25.0	25.3
4H	23.9	25.2	24.2	25.5	25.7	24.0	25.4	24.3	25.6	25.9
6H	24.3	25.6	24.6	25.9	26.1	24.5	25.8	24.8	26.0	26.3
8H	24.4	25.7	24.8	26.0	26.3	24.6	25.9	25.0	26.2	26.4
12H	24.5	25.7	24.9	26.0	26.3	24.7	25.9	25.1	26.2	26.5
4H 2H	22.3	23.7	22.7	23.9	24.2	22.4	23.8	22.7	24.0	24.3
3H	24.1	25.2	24.4	25.5	25.8	24.2	25.3	24.5	25.6	25.9
4H	24.8	25.9	25.2	26.2	26.5	24.9	26.0	25.3	26.3	26.7
6H	25.4	26.3	25.8	26.7	27.1	25.5	26.5	25.9	26.8	27.2
8H	25.6	26.5	26.0	26.8	27.2	25.7	26.6	26.2	27.0	27.4
12H	25.7	26.5	26.1	26.9	27.3	25.9	26.7	26.3	27.1	27.5
8H 4H	25.1	26.0	25.5	26.3	26.7	25.2	26.1	25.6	26.5	26.8
6H	25.8	26.6	26.2	27.0	27.4	25.9	26.7	26.4	27.1	27.5
8H	26.1	26.7	26.5	27.2	27.6	26.3	26.9	26.7	27.3	27.8
12H	26.3	26.9	26.8	27.3	27.8	26.5	27.1	27.0	27.5	28.0
12H 4H	25.1	25.9	25.5	26.3	26.7	25.2	26.0	25.6	26.4	26.8
6H	25.9	26.5	26.3	27.0	27.4	26.0	26.7	26.5	27.1	27.6
8H	26.2	26.8	26.7	27.2	27.7	26.4	26.9	26.8	27.4	27.9
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.2 / - 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, 534.8 lm Total Lamp Luminous Flux Corrected ( $8\log(F/F_0) = -2.2$ )  
Area: 0.0133 m<sup>2</sup>

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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.1658]  
Remarks:

## UTILIZATION FACTORS TABLE

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:

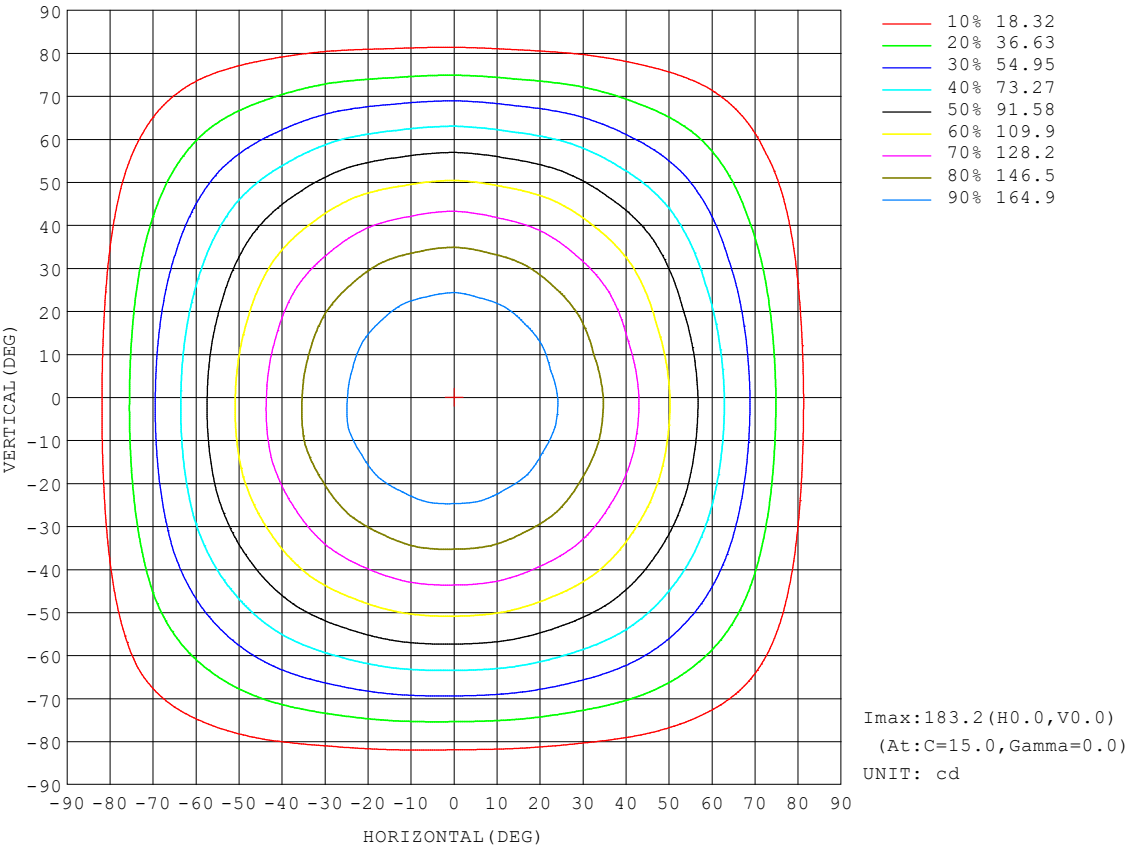
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS (PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	57	45	38	56	45	38	55	45	38	32
0.80	67	55	48	66	55	48	64	54	47	40
1.00	76	64	57	74	64	57	72	65	56	49
1.25	83	72	65	81	71	64	78	70	64	56
1.50	88	78	71	86	77	70	83	75	69	61
2.00	95	86	79	93	85	79	89	82	77	69
2.50	99	91	85	96	89	84	93	87	82	73
3.00	102	95	89	100	93	88	96	90	86	78
4.00	106	100	95	104	98	94	99	95	91	82
5.00	108	104	99	106	102	98	101	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: CHEN  
 Test Date: 2024-12-06

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
 Humidity: 61%  
 Test Distance: 8.000m [K=1.1658]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz		
Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:



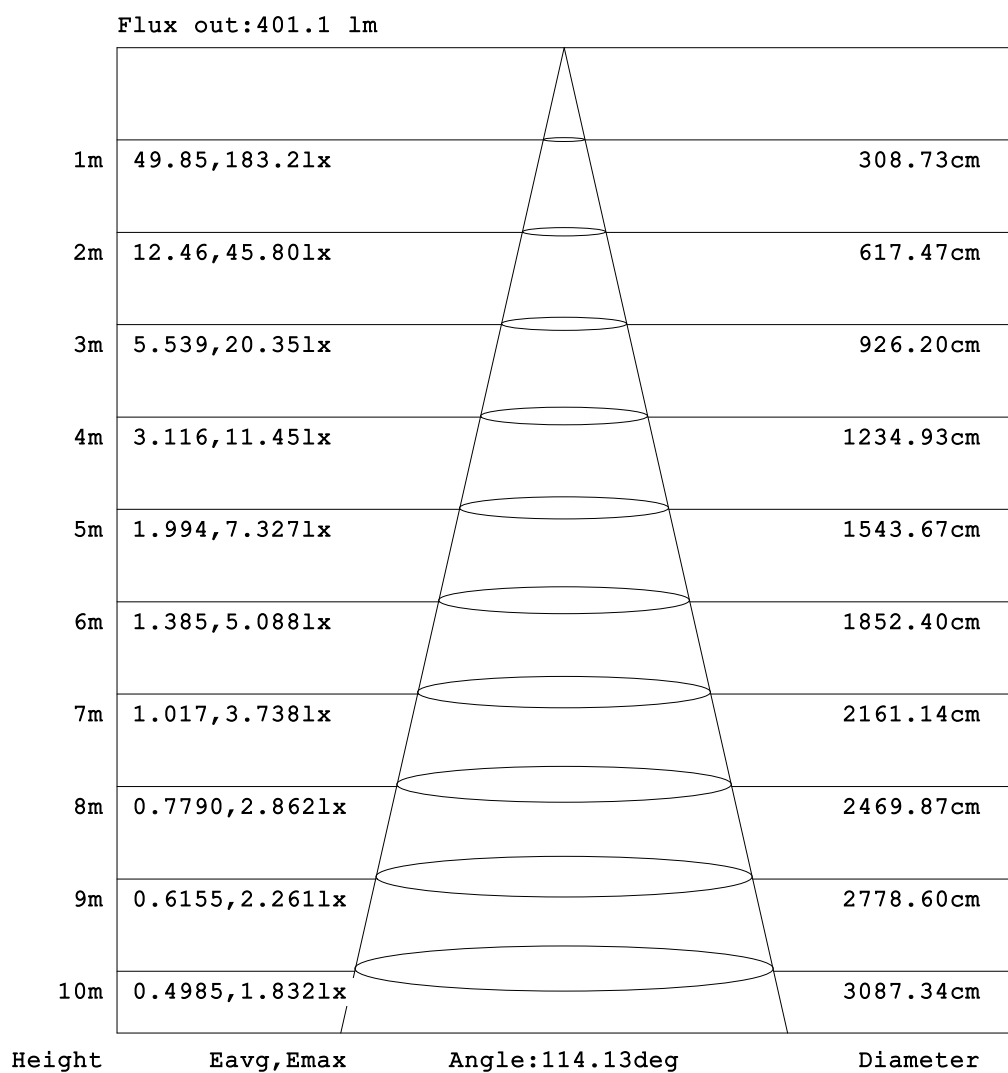
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN  
Test Date:2024-12-06

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=1.1658]  
Remarks:



## AAI Figure

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:



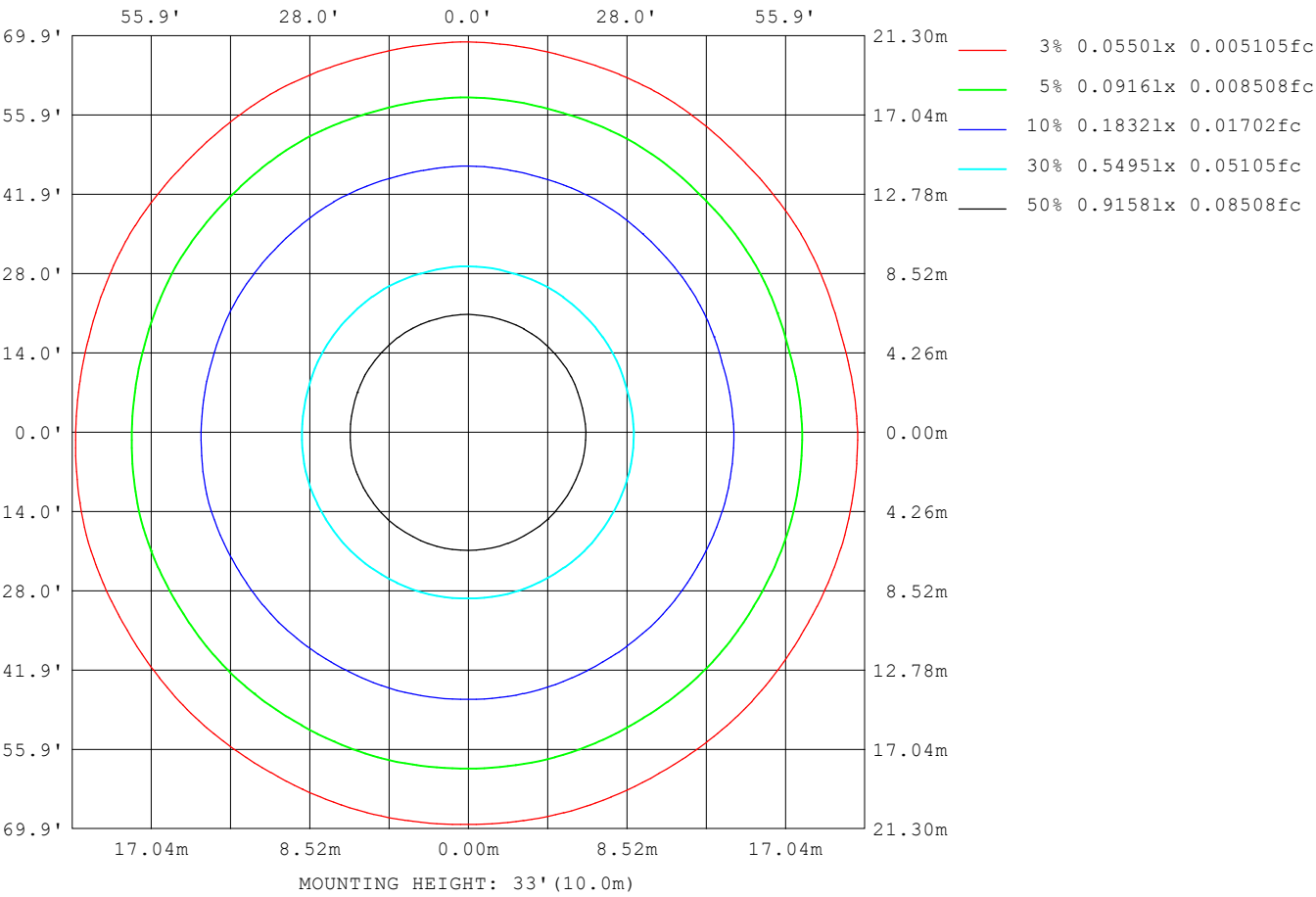
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN  
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=1.1658]  
Remarks:

ISOLUX DIAGRAM

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN  
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=1.1658]  
Remarks:

## LED Avg.L Report

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:

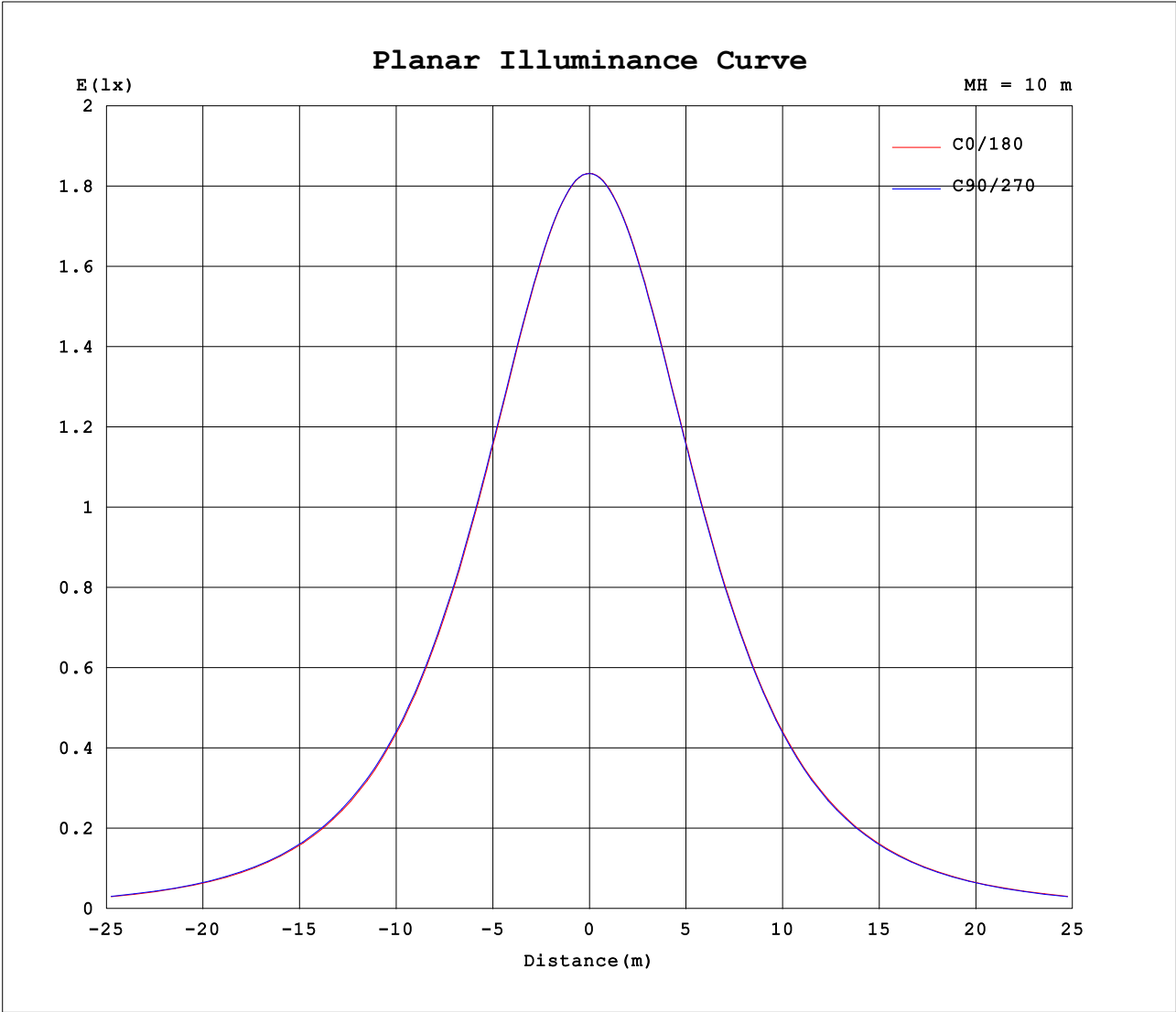
AvgL	cd/m2
L_0~180 (65) av	12058
L_0~180 (75) av	10784
L_0~180 (85) av	8284
L_90~270 (65) av	12072
L_90~270 (75) av	10763
L_90~270 (85) av	8661
L_45 (65) av	12025
L_45 (75) av	10727
L_45 (85) av	8641

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:CHEN  
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=1.1658]  
Remarks:

Planar Illuminance Curve



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

$\gamma$  Range: 0 - 100DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.00.444  
Humidity:61%  
Test Distance:8.000m [K=1.1658]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
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	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	183	
5	182	182	182	182	182	182	183	182	183	183	183	183	183	182	182	182	182	182	182	
10	180	180	180	180	180	180	180	180	180	181	180	181	180	180	180	180	180	180	180	
15	176	176	176	176	176	176	176	177	177	177	177	177	177	176	176	176	176	176	176	
20	170	171	170	171	171	171	171	172	171	172	172	172	171	171	171	171	171	170	171	
25	164	164	164	164	164	165	164	165	165	165	165	166	165	164	164	164	164	164	164	
30	155	156	155	156	156	157	157	157	157	158	157	158	156	156	156	156	156	155	156	
35	146	147	146	147	147	147	147	148	148	148	148	149	147	147	147	146	147	146	146	
40	135	136	135	136	136	137	137	137	137	138	138	138	137	136	136	136	136	135	136	
45	123	124	124	124	124	125	125	126	126	126	126	127	125	124	125	124	124	123	124	
50	110	111	111	112	111	112	112	113	113	114	113	114	112	111	112	111	112	110	111	
55	96.6	97.3	96.8	97.8	97.5	98.5	98.4	99.3	99.0	100.0	99.6	100	98.5	97.5	98.3	97.2	97.9	96.5	97.1	
60	82.0	82.6	82.2	83.1	82.9	83.9	83.8	84.7	84.5	85.5	85.1	85.9	83.9	82.9	83.7	82.6	83.3	81.9	82.5	
65	66.8	67.4	67.0	67.9	67.7	68.6	68.5	69.5	69.4	70.3	70.0	70.8	68.8	67.8	68.6	67.3	68.1	66.6	67.2	
70	51.3	51.8	51.6	52.4	52.2	53.1	53.1	54.0	53.9	54.8	54.6	55.3	53.3	52.4	53.0	51.9	52.5	51.2	51.6	
75	36.2	36.7	36.4	37.1	37.0	37.8	37.8	38.6	38.7	39.5	39.4	40.1	38.0	37.4	37.8	36.8	37.1	35.9	36.3	
80	21.8	22.2	22.1	22.7	22.7	23.3	23.4	24.1	24.2	25.0	24.9	25.4	23.4	22.9	23.3	22.7	22.7	21.8	21.9	
85	8.82	9.31	9.18	10.1	10.0	10.7	10.6	11.4	11.3	12.1	11.6	12.1	10.4	9.89	10.3	9.92	10.1	9.35	9.44	
90	0.17	0.14	0.18	0.20	0.28	0.52	0.56	1.03	1.06	1.49	1.33	1.58	0.40	0.25	0.28	0.13	0.06	0.08	0.05	
95	0.17	0.19	0.12	0.14	0.14	0.12	0.12	0.13	0.14	0.13	0.14	0.13	0.06	0.05	0.04	0.05	0.02	0.05	0.04	
100	0.14	0.13	0.17	0.15	0.13	0.18	0.12	0.12	0.13	0.13	0.17	0.15	0.08	0.05	0.04	0.04	0.02	0.05	0.04	
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:CHEN  
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=1.1658]  
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:24.00V I:0.260A P:6.24W PF:1.000 Freq:0Hz Lamp Flux:534.789x1 lm		
NAME: EPR150TWWS 2000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.: 2024120606
MFR.:	SUR.:	Shielding Angle:

Table--2						UNIT: cd													
γ (DEG)	C (DEG)	285	300	315	330	345													
0		183	183	183	183	183													
5		182	182	182	182	182													
10		180	180	180	180	179													
15		176	176	175	175	175													
20		170	170	170	170	169													
25		163	163	163	163	162													
30		155	155	154	155	154													
35		145	146	145	145	144													
40		135	135	134	134	133													
45		123	123	122	122	121													
50		110	110	109	109	108													
55		95.7	96.2	94.9	95.4	94.2													
60		81.0	81.5	80.2	80.7	79.5													
65		65.7	66.2	64.9	65.5	64.2													
70		50.2	50.7	49.4	49.9	48.9													
75		35.1	35.4	34.4	34.7	33.8													
80		21.1	21.1	20.4	20.5	19.6													
85		8.68	8.76	7.99	7.85	7.10													
90		0.05	0.04	0.06	0.02	0.06													
95		0.02	0.04	0.02	0.02	0.06													
100		0.02	0.04	0.02	0.02	0.06													
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:CHEN  
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=1.1658]  
Remarks: