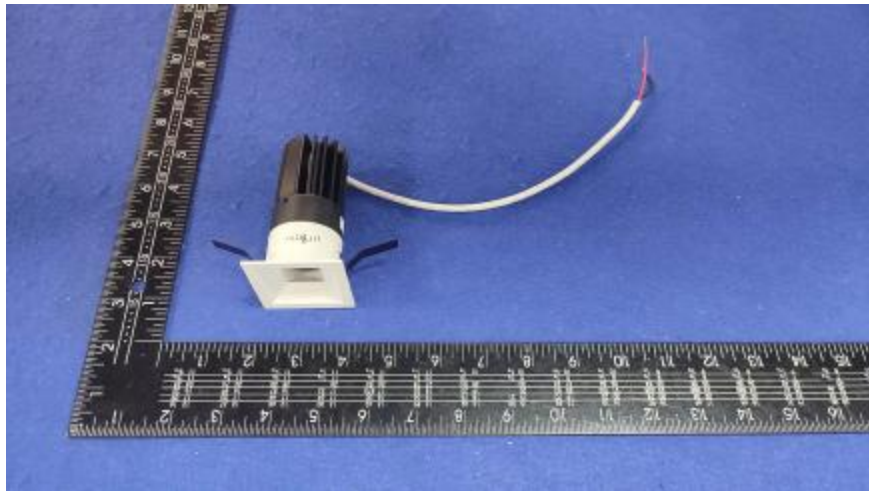


### Luminaire Photograph



Light Output Ratio:	69.1%	
Luminaire Power:	9.366 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	0.30	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: Zoe  
Test Date: 2022-11-3

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER: 500mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

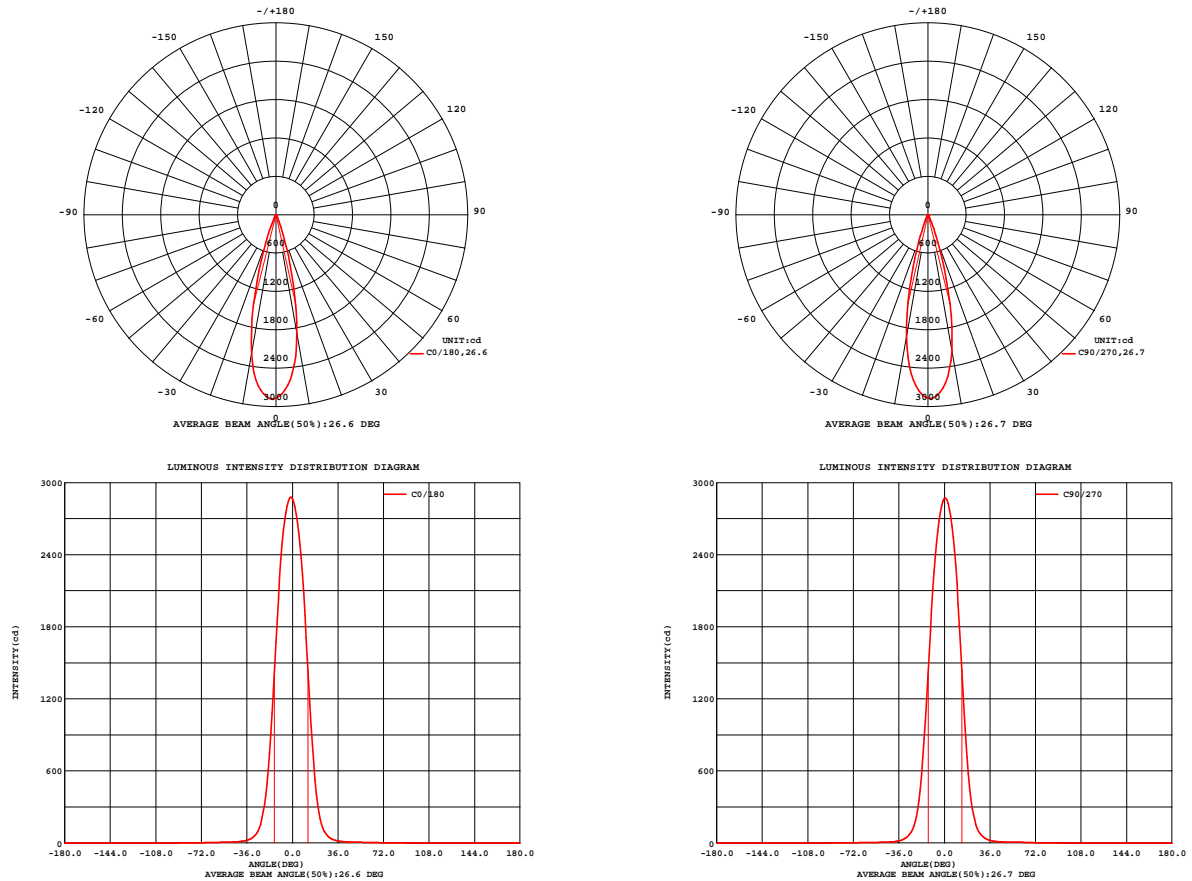


Fig. C0/C180

Fig. C90/C270

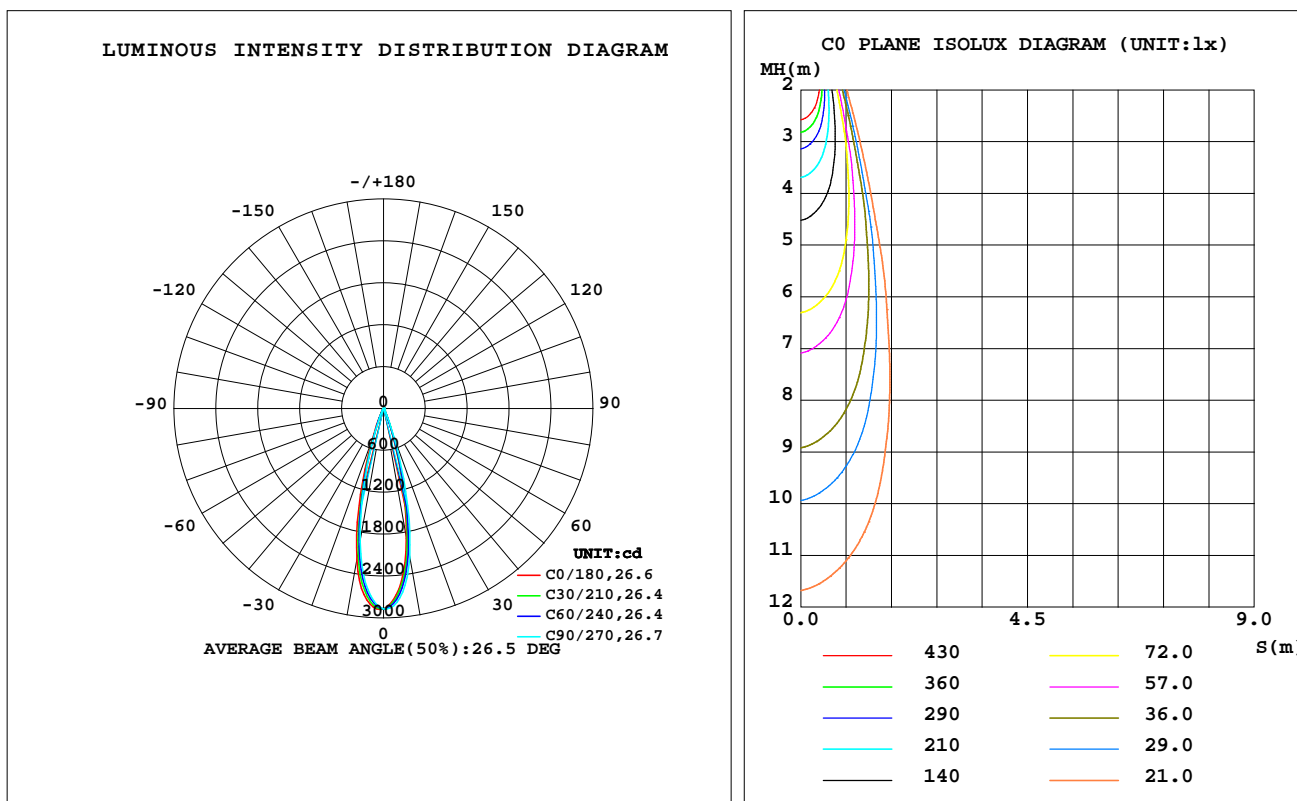
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: Zoe  
Test Date: 2022-11-3

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000F0U0A30G Ra: 90  
LENS: PM-1084A 24R  
NO DRIVER: 500mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 67.89 lm/W			
MODEL	CREE	I <sub>max</sub> (cd)	2879	S/MH(C0/180)	0.45
NOMINAL POWER(W)	9	LOR(%)	69.1	S/MH(C90/270)	0.42
RATED VOLTAGE(V)	18	TOTAL FLUX(lm)	635.82	η UP,DN(C0-180)	0.0,35.2
NOMINAL FLUX(lm)	919.82	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,33.9
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	18	η down(%)	69.1	CIBSE SHR MAX	0.30



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum,lamp
10	1892	2017	2168	2193	2207	2056	1940	1915	0- 10	235.1	235.1	37,25.6
20	326.4	363.7	462.3	453.4	491.5	390.4	355.2	327.1	10- 20	299.1	534.2	84,58.1
30	40.10	46.83	57.22	57.41	56.25	49.36	44.51	43.15	20- 30	68.61	602.8	94.8,65.5
40	10.86	13.04	13.53	15.86	13.67	13.17	10.48	11.83	30- 40	15.91	618.7	97.3,67.3
50	6.205	6.946	7.111	7.443	6.858	6.387	5.542	6.245	40- 50	6.871	625.5	98.4,68
60	5.063	5.449	5.469	5.699	5.160	4.837	4.420	4.768	50- 60	5.163	630.7	99.2,68.6
70	2.030	2.769	2.732	3.082	2.568	2.384	1.742	2.188	60- 70	4.023	634.7	99.8,69
80	0.2493	0.2046	0.2115	0.2285	0.2790	0.2015	0.1752	0.1797	70- 80	0.9764	635.7	100,69.1
90	0	0	0	0	0	0	0	0	80- 90	0.1125	635.8	100,69.1
100	0	0	0	0	0	0	0	0	90-100	0	635.8	100,69.1
110	0	0	0	0	0	0	0	0	100-110	0	635.8	100,69.1
120	0	0	0	0	0	0	0	0	110-120	0	635.8	100,69.1
130	0	0	0	0	0	0	0	0	120-130	0	635.8	100,69.1
140	0	0	0	0	0	0	0	0	130-140	0	635.8	100,69.1
150	0	0	0	0	0	0	0	0	140-150	0	635.8	100,69.1
160	0	0	0	0	0	0	0	0	150-160	0	635.8	100,69.1
170	0	0	0	0	0	0	0	0	160-170	0	635.8	100,69.1
180	0	0	0	0	0	0	0	0	170-180	0	635.8	100,69.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz  
Lamp Flux:919.82x1 lm

NAME: 2218.117-LEA-09B

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

SERIAL No.: 2211031111

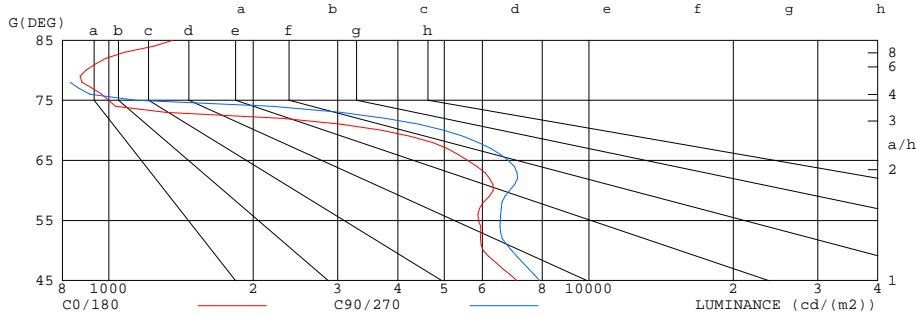
MFR.: RISE

SUR.: 0.0016m2

Shielding Angle:

## LUMINANCE LIMITATION CURVES

GLARE	CLASS	ILLUMINANCE (lx)							
1.15	A	2000	1000	500	<=300				
1.50	B		2000	1000	500	<=300			
1.85	C			2000	1000	500	<=300		
2.20	D				2000	1000	500	<=300	
2.55	E					2000	1000	500	<=300



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz  
Lamp Flux:919.82x1 lm

NAME: 2218.117-LEA-09B

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

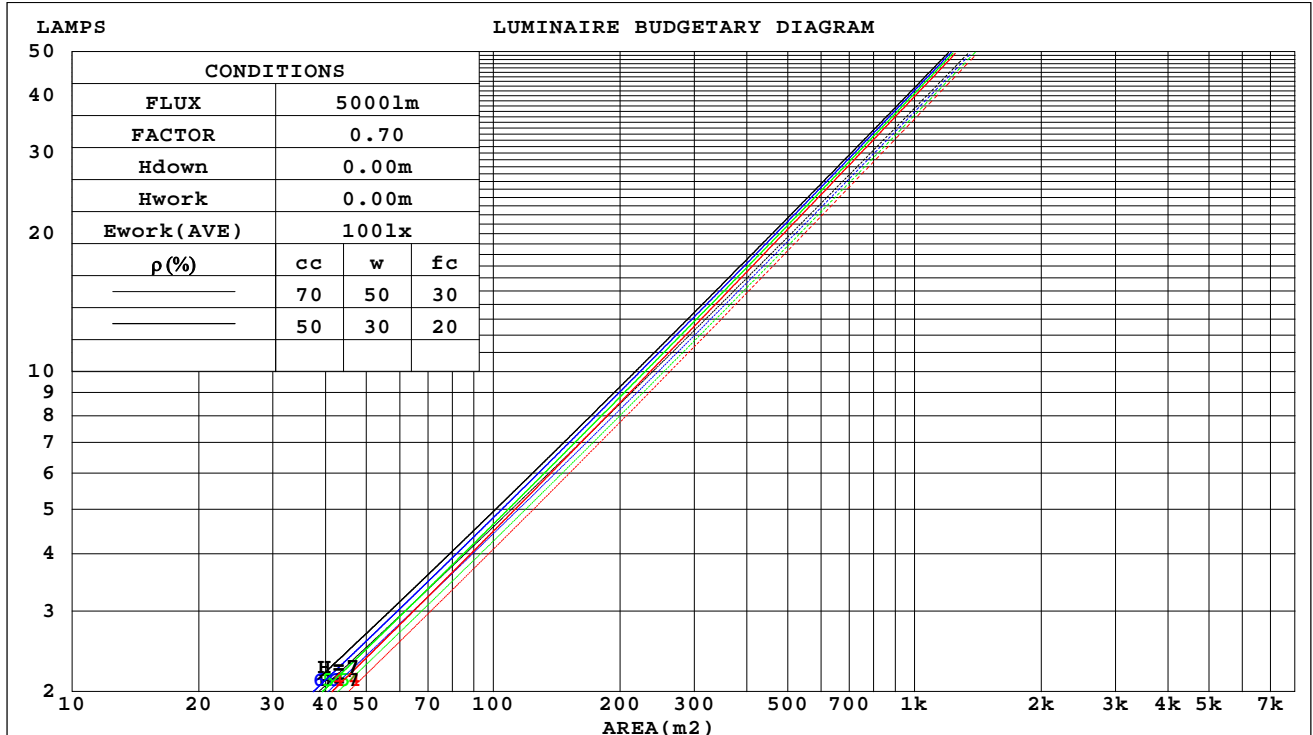
SERIAL No.: 2211031111

MFR.: RISE

SUR.: 0.0016m2

Shielding Angle:

$\rho_{cc}$	80%			70%			50%			30%			10%			0
$\rho_w$	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
$\rho_{fc}$	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.82	.82	.82	.80	.80	.80	.77	.77	.77	.74	.74	.74	.71	.71	.71	.69
1.0	.78	.77	.76	.77	.75	.74	.74	.73	.72	.71	.71	.70	.69	.68	.68	.67
2.0	.74	.72	.71	.73	.71	.70	.71	.70	.68	.69	.68	.67	.67	.66	.66	.65
3.0	.71	.69	.67	.70	.68	.66	.69	.67	.65	.67	.66	.64	.66	.64	.63	.62
4.0	.69	.66	.64	.68	.65	.63	.66	.64	.63	.65	.63	.62	.64	.63	.61	.61
5.0	.66	.63	.61	.66	.63	.61	.64	.62	.61	.63	.62	.60	.62	.61	.60	.59
6.0	.64	.61	.59	.63	.61	.59	.63	.60	.59	.62	.60	.58	.61	.59	.58	.57
7.0	.62	.59	.57	.62	.59	.57	.61	.59	.57	.60	.58	.57	.59	.58	.56	.56
8.0	.60	.57	.56	.60	.57	.55	.59	.57	.55	.59	.57	.55	.58	.56	.55	.54
9.0	.59	.56	.54	.58	.56	.54	.58	.55	.54	.57	.55	.54	.57	.55	.53	.53
10.0	.57	.54	.53	.57	.54	.52	.56	.54	.52	.56	.54	.52	.55	.54	.52	.52



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

### WEC AND CCEC

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	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	.095	.054	.017	.090	.051	.016	.081	.047	.015	.074	.042	.014	.066	.038	.012	
2.0	.088	.048	.015	.084	.046	.014	.077	.043	.013	.070	.039	.012	.064	.036	.011	
3.0	.081	.043	.013	.078	.042	.013	.072	.039	.012	.067	.037	.011	.062	.034	.011	
4.0	.076	.040	.012	.073	.038	.011	.068	.036	.011	.064	.034	.010	.060	.032	.010	
5.0	.071	.036	.011	.069	.036	.010	.065	.034	.010	.061	.032	.010	.057	.031	.009	
6.0	.067	.034	.010	.065	.033	.010	.062	.032	.009	.058	.030	.009	.055	.029	.009	
7.0	.064	.032	.009	.062	.031	.009	.059	.030	.009	.056	.029	.008	.053	.028	.008	
8.0	.061	.030	.008	.059	.029	.008	.056	.028	.008	.054	.027	.008	.051	.026	.008	
9.0	.058	.028	.008	.057	.028	.008	.054	.027	.008	.052	.026	.007	.050	.025	.007	
10.0	.055	.027	.007	.054	.026	.007	.052	.026	.007	.050	.025	.007	.048	.024	.007	

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	.132	.132	.132	.113	.113	.113	.077	.077	.077	.044	.044	.044	.014	.014	.014	
1.0	.116	.109	.102	.100	.094	.088	.068	.064	.061	.039	.037	.035	.013	.012	.011	
2.0	.104	.092	.082	.089	.079	.071	.061	.055	.049	.035	.032	.029	.011	.010	.009	
3.0	.093	.078	.066	.080	.068	.057	.055	.047	.040	.032	.027	.024	.010	.009	.008	
4.0	.085	.068	.055	.073	.058	.047	.050	.041	.033	.029	.024	.020	.009	.008	.007	
5.0	.077	.059	.046	.066	.051	.040	.046	.036	.028	.027	.021	.017	.009	.007	.005	
6.0	.071	.052	.039	.061	.045	.034	.042	.032	.024	.024	.019	.014	.008	.006	.005	
7.0	.066	.047	.033	.057	.040	.029	.039	.028	.020	.023	.017	.012	.007	.005	.004	
8.0	.061	.042	.028	.053	.036	.025	.036	.025	.018	.021	.015	.010	.007	.005	.003	
9.0	.057	.038	.025	.049	.033	.022	.034	.023	.015	.020	.014	.009	.006	.004	.003	
10.0	.054	.035	.022	.046	.030	.019	.032	.021	.013	.019	.012	.008	.006	.004	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm										
NAME: 2218.117-LEA-09B					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2211031111		
MFR.: RISE					SUR.: 0.0016m2			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	10.3	11.0	10.5	11.1	11.3	11.0	11.7	11.2	11.8	12.0
3H	11.2	11.8	11.5	12.0	12.2	12.1	12.7	12.3	12.9	13.1
4H	11.2	11.8	11.5	12.0	12.2	12.2	12.7	12.4	12.9	13.1
6H	11.1	11.7	11.4	11.9	12.2	12.1	12.6	12.4	12.9	13.1
8H	11.1	11.6	11.4	11.9	12.1	12.0	12.6	12.3	12.8	13.1
12H	11.1	11.6	11.4	11.8	12.1	12.0	12.5	12.3	12.8	13.0
4H 2H	11.0	11.5	11.2	11.7	12.0	11.6	12.1	11.8	12.3	12.5
3H	11.9	12.5	12.3	12.7	13.0	12.7	13.2	13.0	13.5	13.7
4H	11.9	12.4	12.3	12.7	13.0	12.7	13.2	13.1	13.5	13.8
6H	11.8	12.3	12.2	12.6	12.9	12.7	13.1	13.0	13.4	13.7
8H	11.8	12.2	12.2	12.5	12.9	12.6	13.0	13.0	13.3	13.7
12H	11.8	12.1	12.2	12.5	12.9	12.6	12.9	13.0	13.3	13.7
8H 4H	11.9	12.3	12.3	12.6	13.0	12.7	13.0	13.0	13.4	13.8
6H	11.8	12.1	12.2	12.5	12.9	12.6	12.9	13.0	13.3	13.7
8H	11.8	12.0	12.2	12.5	12.9	12.5	12.8	13.0	13.2	13.7
12H	11.7	12.0	12.2	12.4	12.9	12.5	12.7	12.9	13.2	13.6
12H 4H	11.8	12.2	12.2	12.6	12.9	12.6	13.0	13.0	13.3	13.7
6H	11.7	12.0	12.2	12.4	12.9	12.5	12.8	13.0	13.2	13.7
8H	11.7	12.0	12.2	12.4	12.9	12.5	12.7	12.9	13.1	13.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 0.6 / - 0.8					+ 0.7 / - 0.8				
1.5H	+ 0.8 / - 0.7					+ 1.4 / - 0.7				
2.0H	+ 0.6 / - 0.9					+ 0.5 / - 0.9				

CIE Pub.117, 919.8 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.3)  
Area: 0.0016 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:

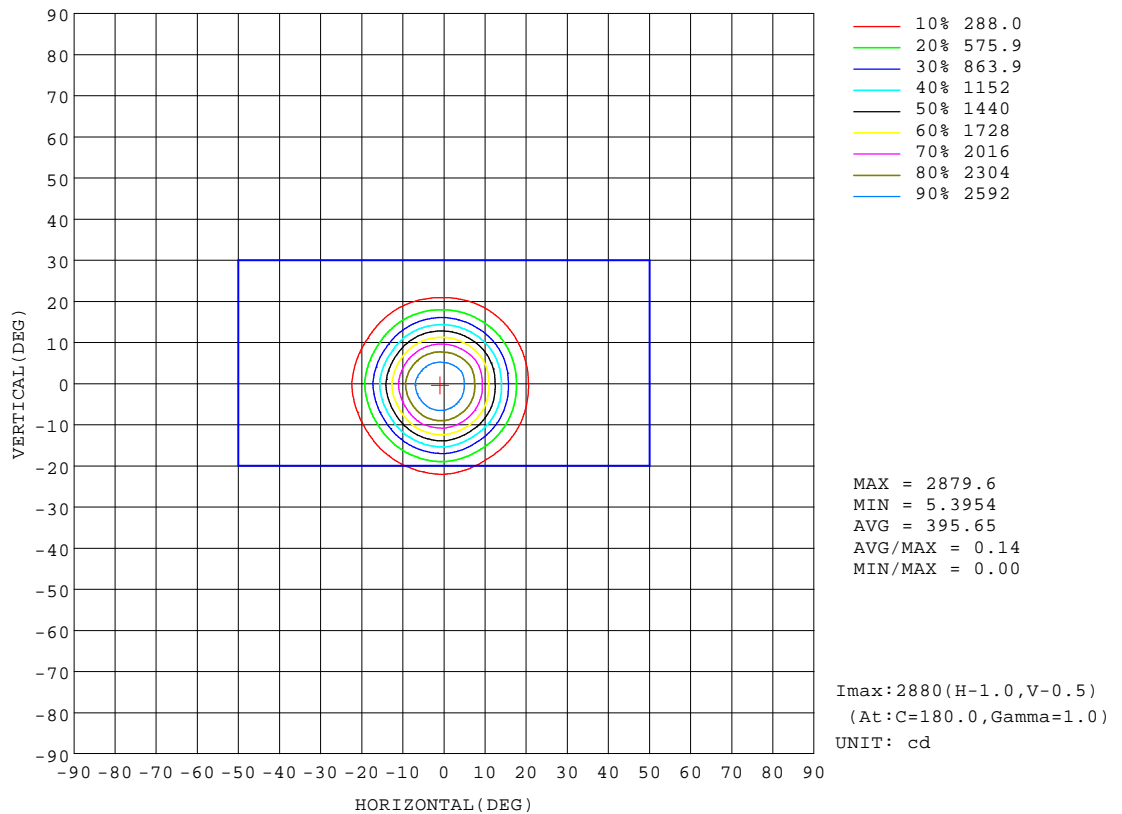
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	62	58	56	62	58	56	61	58	56	53
0.80	67	63	61	67	63	61	66	63	61	58
1.00	70	66	64	69	66	64	68	66	63	61
1.25	72	69	67	72	69	66	70	68	66	63
1.50	74	71	69	73	70	68	72	69	68	65
2.00	76	73	71	75	72	70	73	71	69	66
2.50	77	74	72	76	73	72	73	72	70	66
3.00	78	75	74	76	74	73	74	73	71	67
4.00	79	77	76	78	76	75	75	74	73	68
5.00	80	78	77	78	77	76	76	75	74	69
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:

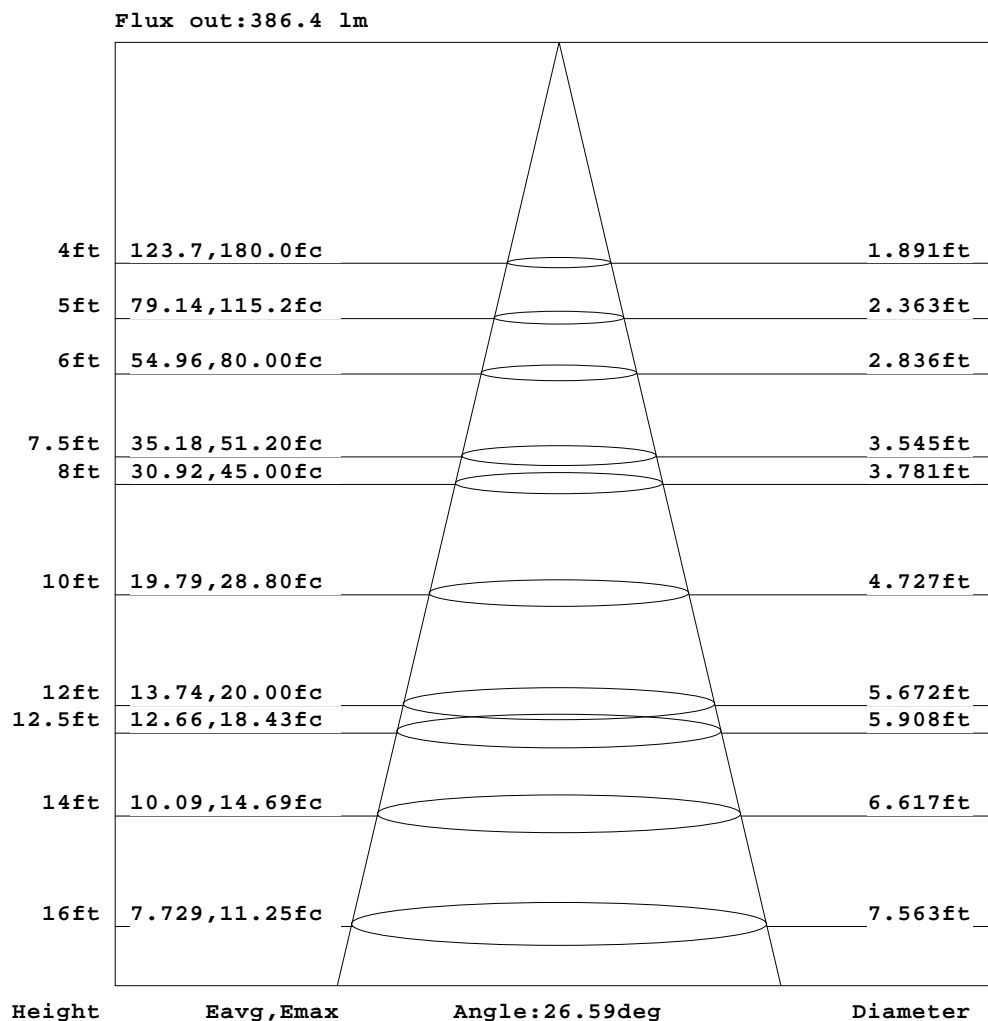


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## AAI Figure

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:



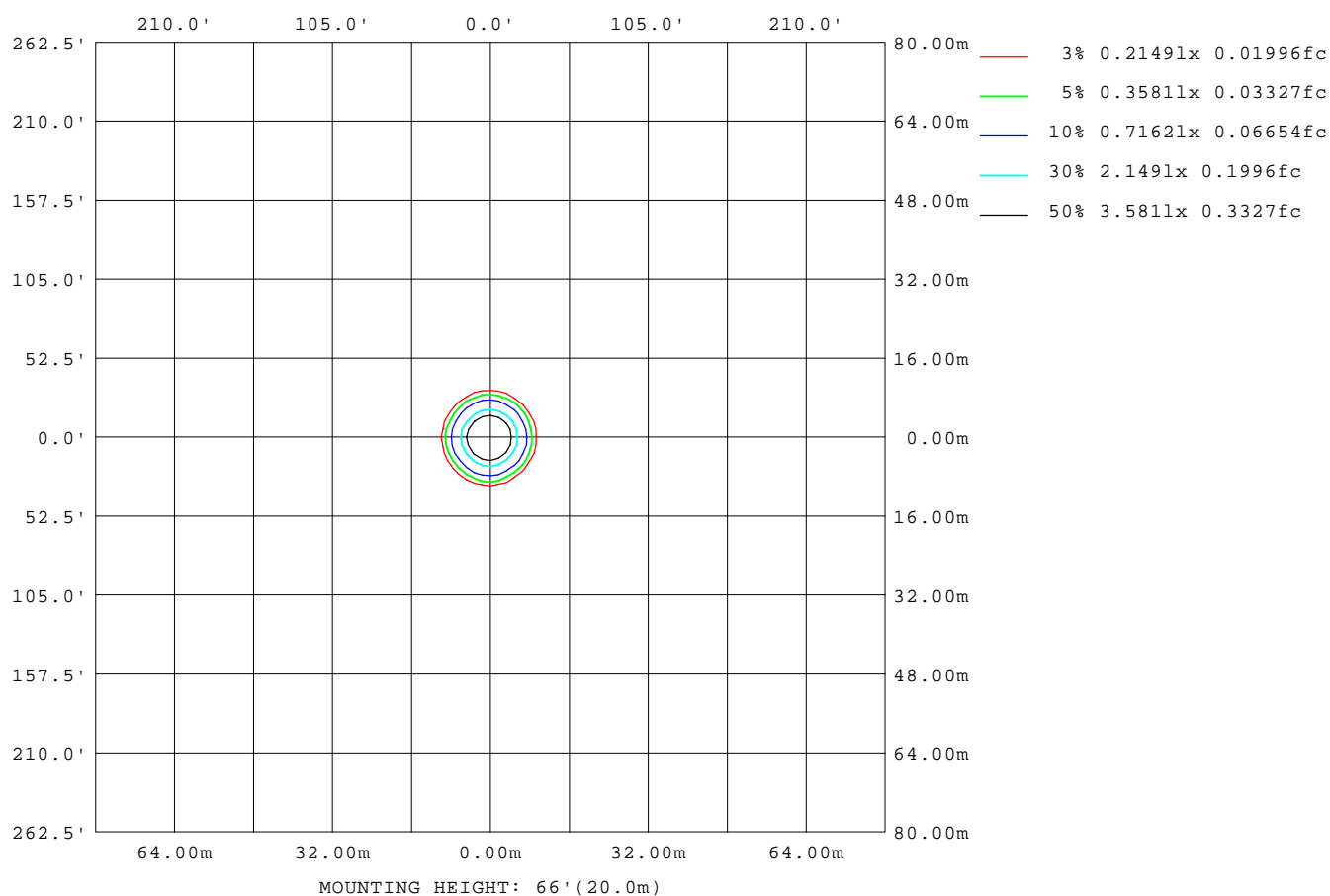
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3°C  
Operators: Zoe  
Test Date: 2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER: 500mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## LED Avg.L Report

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:

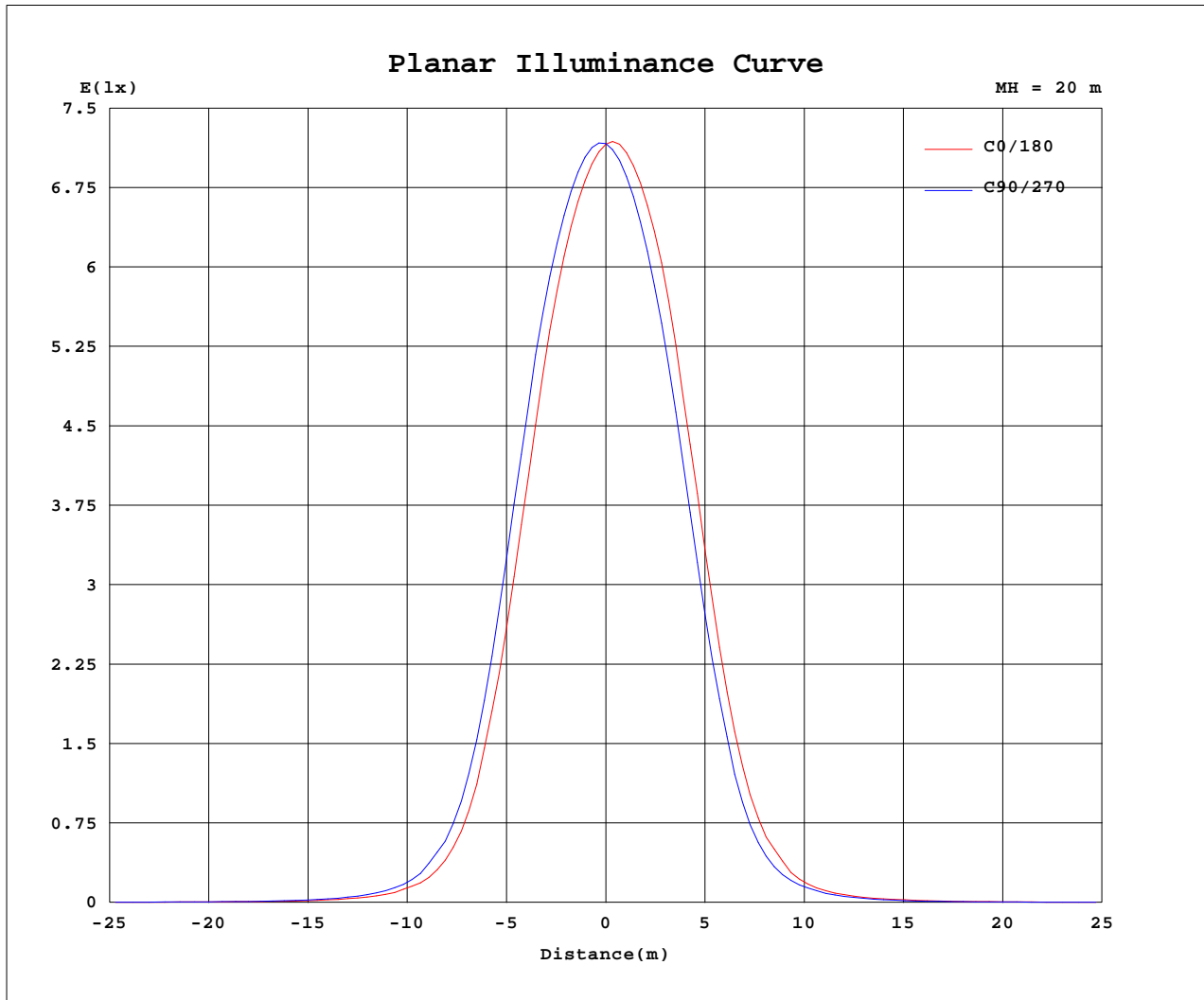
AvgL	cd/m2
L_0~180(65)av	5908
L_0~180(75)av	1114
L_0~180(85)av	1434
L_90~270(65)av	5871
L_90~270(75)av	979
L_90~270(85)av	568
L_45(65)av	6489
L_45(75)av	1846
L_45(85)av	548

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:Zoe  
Test Date:2022-11-3

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000F0U0A30G Ra:90  
LENS: PM-1084A 24R  
NO DRIVER:500mA  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3 °C  
 Operators: Zoe  
 Test Date: 2022-11-3

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.416  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: CMA1306-0000-000F0U0A30G Ra:90  
 LENS: PM-1084A 24R  
 NO DRIVER: 500mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:18.740V I:0.4998A P:9.3661W PF:1.0000 Freq:59.99Hz Lamp Flux:919.82x1 lm		
NAME: 2218.117-LEA-09B	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2211031111
MFR.: RISE	SUR.: 0.0016m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868	2868						
5	2585	2623	2670	2718	2742	2739	2752	2701	2650	2601	2589	2599						
10	1892	1971	2063	2168	2202	2184	2207	2104	2008	1940	1903	1926						
15	963	1040	1087	1235	1251	1215	1274	1119	1080	1020	982	977						
20	326	358	370	462	464	443	492	397	384	355	331	323						
25	101	113	122	148	145	143	153	128	121	113	108	105						
30	40.1	44.0	49.6	57.2	58.0	56.8	56.3	50.8	48.0	44.5	44.1	42.1						
35	19.2	21.8	23.8	25.9	27.8	27.2	25.9	24.8	23.0	20.3	21.7	20.7						
40	10.9	12.3	13.8	13.5	16.3	15.4	13.7	14.0	12.4	10.5	11.7	12.0						
45	8.02	8.16	9.01	8.94	10.4	9.42	8.84	8.69	7.71	7.43	8.07	7.88						
50	6.20	6.72	7.17	7.11	7.50	7.38	6.86	6.65	6.12	5.54	6.08	6.40						
55	5.42	5.93	6.19	6.00	6.40	6.36	5.80	5.68	5.22	4.76	5.21	5.58						
60	5.06	5.31	5.59	5.47	5.76	5.64	5.16	5.05	4.62	4.42	4.61	4.93						
65	3.78	4.39	4.78	4.60	4.97	4.72	4.21	4.21	3.84	3.34	3.77	4.07						
70	2.03	2.63	2.90	2.73	3.22	2.95	2.57	2.54	2.23	1.74	2.06	2.31						
75	0.41	0.62	0.89	0.47	1.11	1.02	0.51	0.74	0.59	0.34	0.40	0.46						
80	0.25	0.21	0.20	0.21	0.22	0.23	0.28	0.21	0.19	0.18	0.17	0.19						
85	0.19	0.10	0.08	0.09	0.09	0.10	0.21	0.10	0.06	0.06	0.06	0.08						
90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
95	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
100	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						
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						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
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