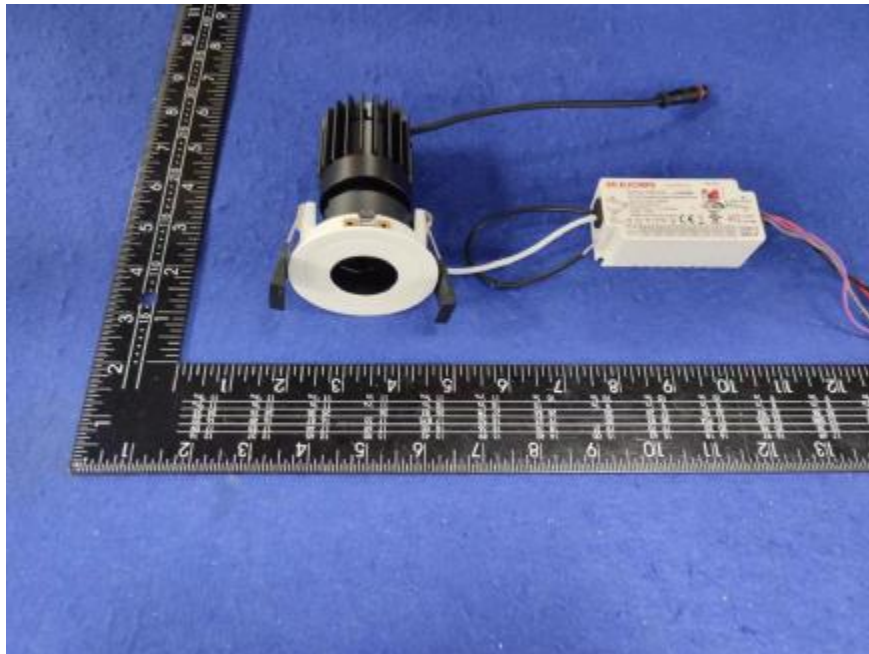


### Luminaire Photograph



Light Output Ratio:	54.2%	
Luminaire Power:	12.24 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.55	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

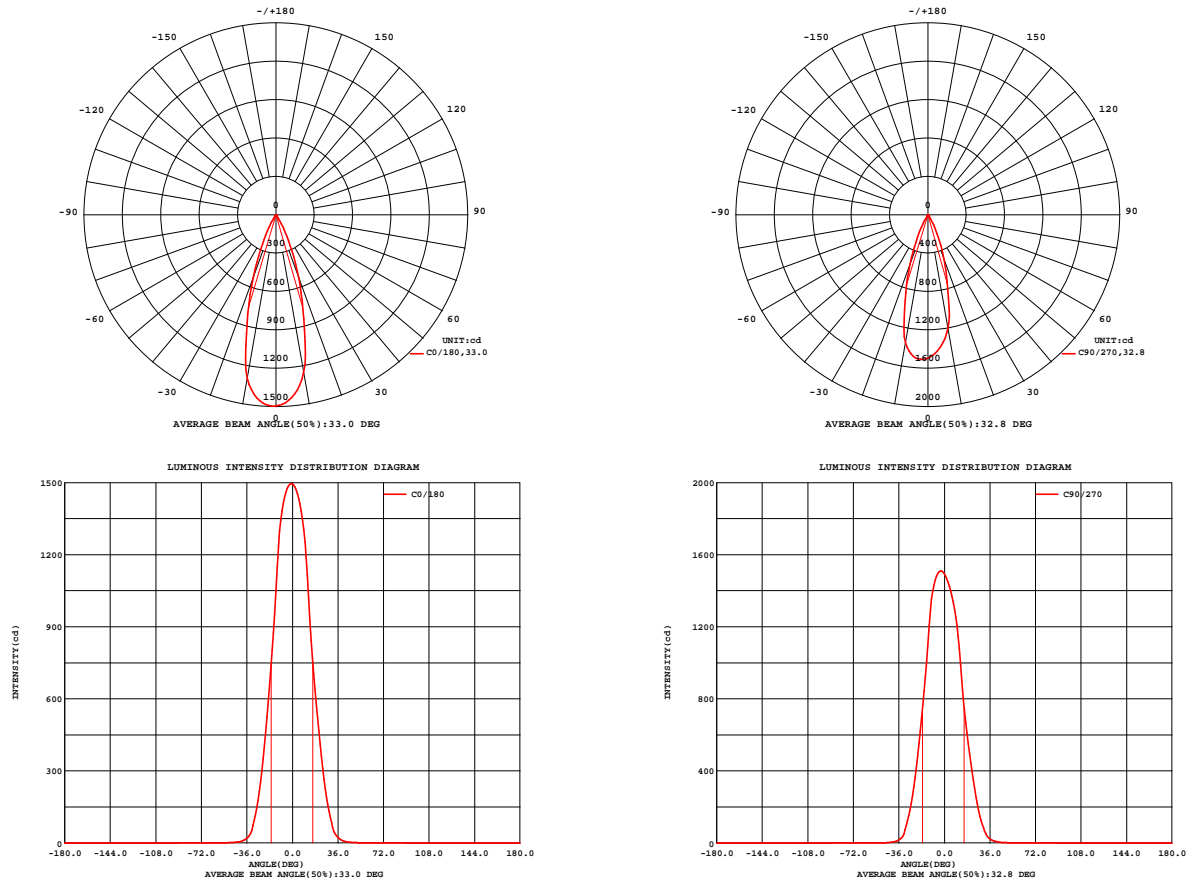


Fig. C0/C180

Fig. C90/C270

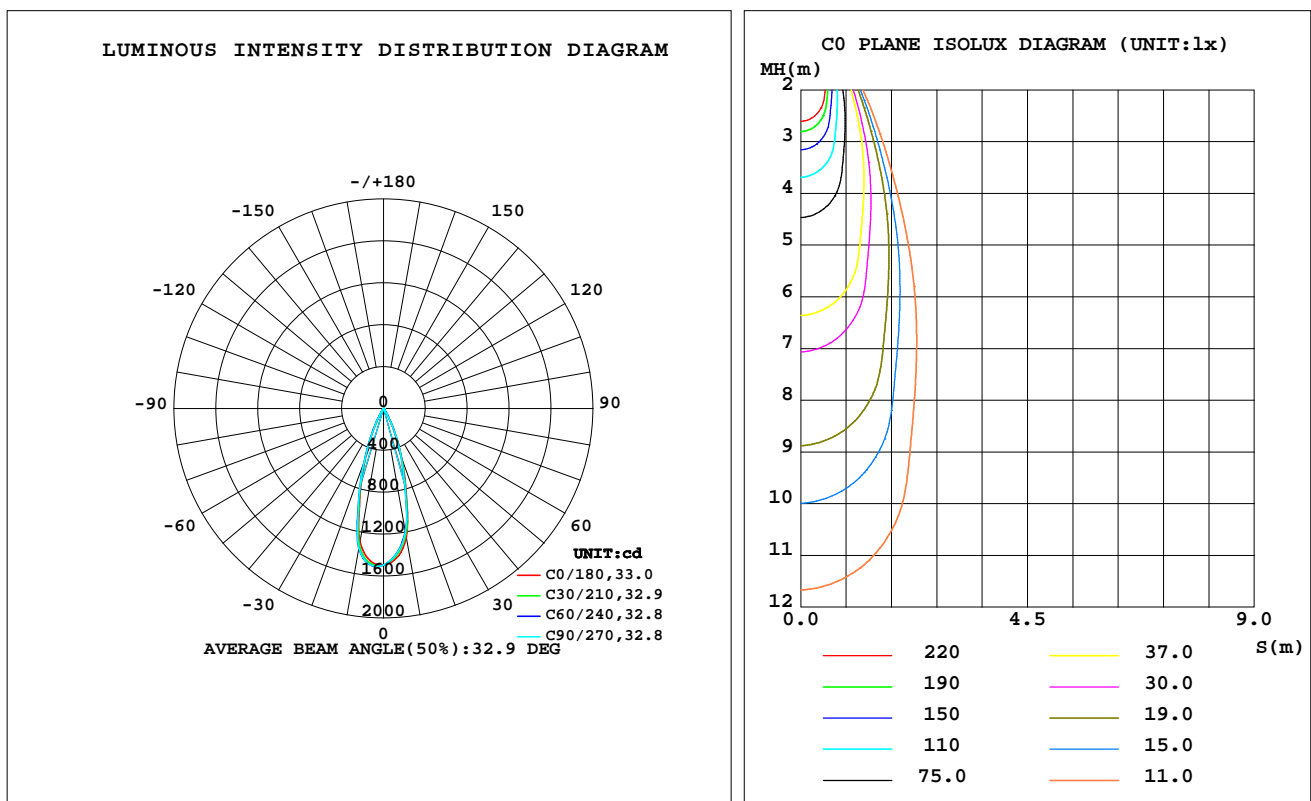
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-9

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra: 90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 42.47 lm/W			
MODEL	CREE	I <sub>max</sub> (cd)	1510	S/MH(C0/180)	0.55
NOMINAL POWER(W)	12	LOR(%)	54.2	S/MH(C90/270)	0.55
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	519.91	η UP,DN(C0-180)	0.0,26.5
NOMINAL FLUX(lm)	959.178	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,27.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	120	η down(%)	54.2	CIBSE SHR MAX	0.55



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
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	1252	1213	1206	1248	1297	1345	1355	1311	0- 10	132.9	132.9	25.6,13.9
20	522.0	502.0	495.9	512.8	525.9	542.1	551.4	539.9	10- 20	239.0	371.9	71.5,38.8
30	106.3	104.8	101.7	102.0	94.43	91.76	95.37	98.54	20- 30	123.0	494.8	95.2,51.6
40	9.408	9.862	9.307	9.321	7.653	6.474	6.294	7.076	30- 40	21.34	516.2	99.3,53.8
50	1.640	1.784	1.733	1.691	1.482	0.9931	0.8459	1.105	40- 50	2.577	518.8	99.8,54.1
60	0.5043	0.5483	0.5715	0.5690	0.5109	0.4005	0.3584	0.4207	50- 60	0.7500	519.5	99.9,54.2
70	0.1393	0.1509	0.1588	0.1628	0.1499	0.1203	0.1187	0.1226	60- 70	0.2757	519.8	100,54.2
80	0.0530	0.0513	0.0570	0.0507	0.0528	0.0398	0.0414	0.0406	70- 80	0.0897	519.9	100,54.2
90	0	0	0	0	0	0	0	0	80- 90	0.0253	519.9	100,54.2
100	0	0	0	0	0	0	0	0	90-100	0	519.9	100,54.2
110	0	0	0	0	0	0	0	0	100-110	0	519.9	100,54.2
120	0	0	0	0	0	0	0	0	110-120	0	519.9	100,54.2
130	0	0	0	0	0	0	0	0	120-130	0	519.9	100,54.2
140	0	0	0	0	0	0	0	0	130-140	0	519.9	100,54.2
150	0	0	0	0	0	0	0	0	140-150	0	519.9	100,54.2
160	0	0	0	0	0	0	0	0	150-160	0	519.9	100,54.2
170	0	0	0	0	0	0	0	0	160-170	0	519.9	100,54.2
180	0	0	0	0	0	0	0	0	170-180	0	519.9	100,54.2
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz  
Lamp Flux:959.178x1 lm

NAME: 2318.121-LEA-13

TYPE:

WEIGHT:

SPEC.: 3000K

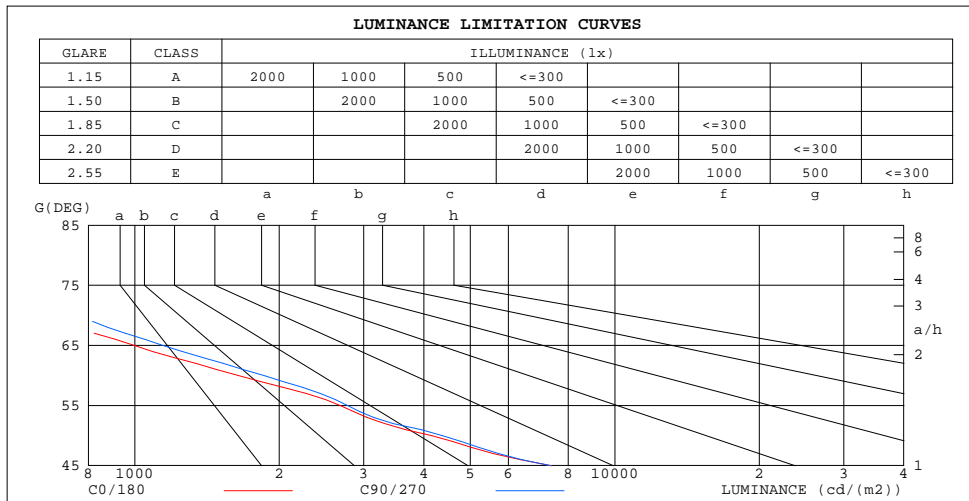
DIM.:

SERIAL No.: 2312091438

MFR.: RISE

SUR.: 0.00061544m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz  
Lamp Flux:959.178x1 lm

NAME: 2318.121-LEA-13

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

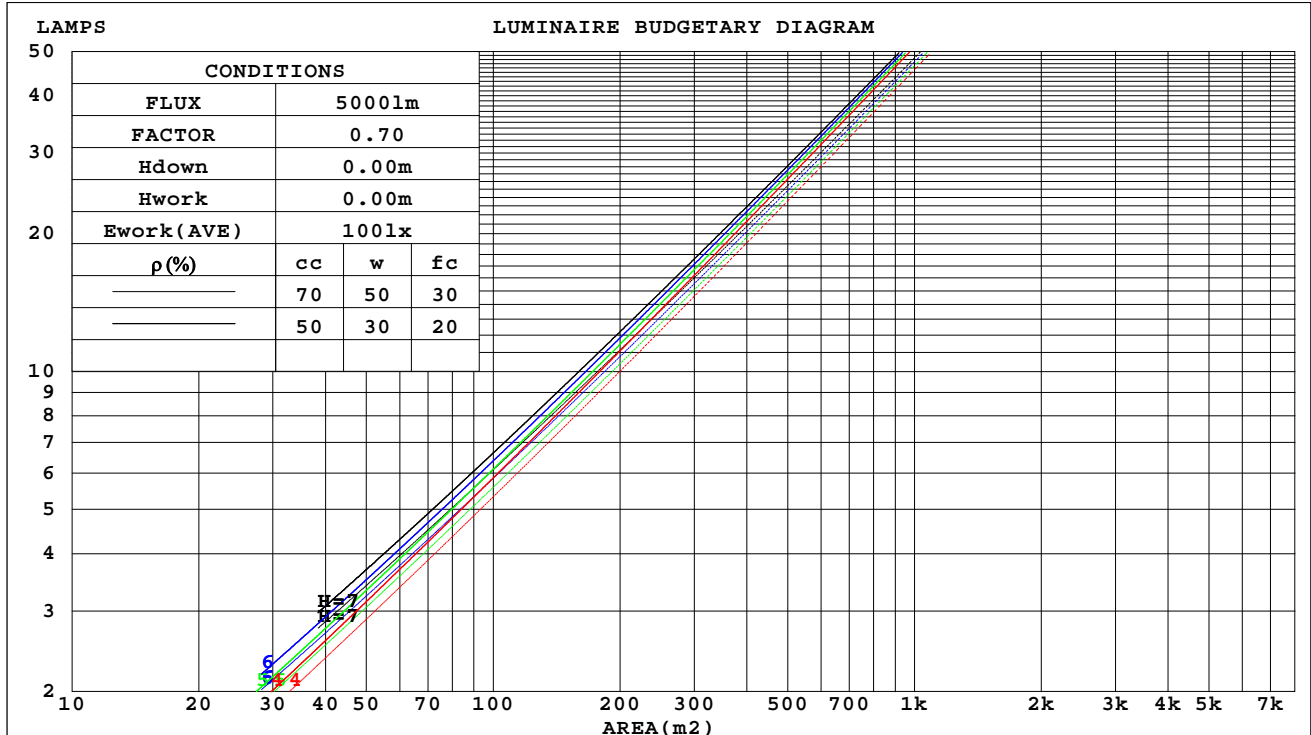
SERIAL No.: 2312091438

MFR.: RISE

SUR.: 0.00061544m2

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	.65	.65	.65	.63	.63	.63	.60	.60	.60	.58	.58	.58	.55	.55	.55	.54
1.0	.61	.60	.59	.60	.59	.58	.58	.57	.56	.56	.55	.55	.54	.53	.53	.52
2.0	.58	.56	.55	.57	.55	.54	.55	.54	.53	.54	.53	.52	.52	.51	.51	.50
3.0	.55	.53	.51	.54	.53	.51	.53	.52	.50	.52	.51	.49	.51	.50	.49	.48
4.0	.53	.50	.49	.52	.50	.48	.51	.49	.48	.50	.49	.47	.49	.48	.47	.46
5.0	.51	.48	.46	.50	.48	.46	.49	.47	.46	.48	.47	.45	.48	.46	.45	.44
6.0	.49	.46	.44	.48	.46	.44	.47	.45	.44	.47	.45	.44	.46	.45	.43	.43
7.0	.47	.44	.43	.46	.44	.42	.46	.44	.42	.45	.43	.42	.45	.43	.42	.41
8.0	.45	.43	.41	.45	.42	.41	.44	.42	.41	.44	.42	.41	.43	.42	.40	.40
9.0	.43	.41	.39	.43	.41	.39	.43	.41	.39	.42	.40	.39	.42	.40	.39	.38
10.0	.42	.40	.38	.42	.40	.38	.41	.39	.38	.41	.39	.38	.41	.39	.38	.37



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

### WEC AND CCEC

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	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	.078	.044	.014	.075	.043	.014	.068	.039	.012	.062	.036	.011	.056	.032	.010	
2.0	.073	.040	.012	.070	.039	.012	.064	.036	.011	.059	.033	.010	.055	.031	.010	
3.0	.068	.036	.011	.066	.035	.011	.061	.033	.010	.057	.031	.010	.053	.029	.009	
4.0	.064	.033	.010	.062	.033	.010	.058	.031	.009	.055	.029	.009	.051	.028	.008	
5.0	.061	.031	.009	.059	.030	.009	.056	.029	.009	.053	.028	.008	.050	.027	.008	
6.0	.058	.029	.008	.056	.029	.008	.054	.027	.008	.051	.026	.008	.048	.025	.008	
7.0	.055	.027	.008	.054	.027	.008	.051	.026	.007	.049	.025	.007	.047	.024	.007	
8.0	.053	.026	.007	.052	.025	.007	.049	.025	.007	.047	.024	.007	.045	.023	.007	
9.0	.051	.025	.007	.050	.024	.007	.048	.024	.007	.046	.023	.007	.044	.022	.006	
10.0	.049	.023	.006	.048	.023	.006	.046	.023	.006	.044	.022	.006	.043	.022	.006	

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	.103	.103	.103	.088	.088	.088	.060	.060	.060	.035	.035	.035	.011	.011	.011		
1.0	.092	.085	.080	.078	.073	.069	.054	.050	.048	.031	.029	.028	.010	.009	.009		
2.0	.082	.072	.063	.070	.062	.055	.048	.043	.038	.028	.025	.022	.009	.008	.007		
3.0	.074	.061	.051	.064	.053	.044	.044	.037	.031	.025	.021	.018	.008	.007	.006		
4.0	.068	.053	.042	.058	.046	.037	.040	.032	.026	.023	.019	.015	.007	.006	.005		
5.0	.062	.047	.035	.053	.040	.031	.037	.028	.022	.021	.017	.013	.007	.005	.004		
6.0	.058	.041	.030	.049	.036	.026	.034	.025	.018	.020	.015	.011	.006	.005	.004		
7.0	.054	.037	.025	.046	.032	.022	.032	.022	.016	.019	.013	.009	.006	.004	.003		
8.0	.050	.033	.022	.043	.029	.019	.030	.020	.013	.017	.012	.008	.006	.004	.003		
9.0	.047	.030	.019	.041	.026	.016	.028	.018	.012	.016	.011	.007	.005	.004	.002		
10.0	.045	.028	.016	.039	.024	.014	.027	.017	.010	.016	.010	.006	.005	.003	.002		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm										
NAME: 2318.121-LEA-13					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2312091438		
MFR.: RISE					SUR.: 0.00061544m2			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	12.9	13.6	13.1	13.7	13.9	12.9	13.6	13.1	13.7	13.9
3H	12.7	13.4	12.9	13.5	13.7	12.7	13.4	13.0	13.6	13.8
4H	12.6	13.3	12.9	13.5	13.7	12.6	13.3	12.9	13.5	13.7
6H	12.5	13.1	12.8	13.4	13.6	12.6	13.2	12.8	13.4	13.6
8H	12.5	13.1	12.8	13.3	13.6	12.5	13.1	12.8	13.3	13.6
12H	12.5	13.0	12.8	13.3	13.5	12.5	13.0	12.8	13.3	13.5
4H 2H	12.6	13.3	12.9	13.5	13.7	12.6	13.3	12.9	13.5	13.7
3H	12.5	13.0	12.8	13.3	13.5	12.5	13.0	12.8	13.3	13.6
4H	12.4	12.9	12.7	13.2	13.5	12.4	12.9	12.7	13.2	13.5
6H	12.3	12.7	12.6	13.0	13.4	12.3	12.7	12.7	13.1	13.4
8H	12.2	12.6	12.6	13.0	13.3	12.2	12.7	12.6	13.0	13.4
12H	12.2	12.5	12.6	12.9	13.3	12.2	12.6	12.6	12.9	13.3
8H 4H	12.2	12.6	12.6	13.0	13.3	12.2	12.7	12.6	13.0	13.4
6H	12.1	12.5	12.5	12.8	13.3	12.1	12.5	12.6	12.9	13.3
8H	12.1	12.4	12.5	12.8	13.2	12.1	12.4	12.5	12.8	13.2
12H	12.0	12.3	12.5	12.7	13.2	12.0	12.3	12.5	12.7	13.2
12H 4H	12.2	12.5	12.6	12.9	13.3	12.2	12.6	12.6	12.9	13.3
6H	12.1	12.4	12.5	12.8	13.2	12.1	12.4	12.5	12.8	13.2
8H	12.0	12.3	12.5	12.7	13.2	12.0	12.3	12.5	12.7	13.2
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.0 / - 9.6					+ 4.2 / - 9.3				
1.5H	+ 6.4 / - 7.3					+ 6.6 / - 7.3				
2.0H	+ 4.6 / - 4.6					+ 4.5 / - 4.3				

CIE Pub.117, 959.2 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -0.1)  
Area: 0.00061544 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

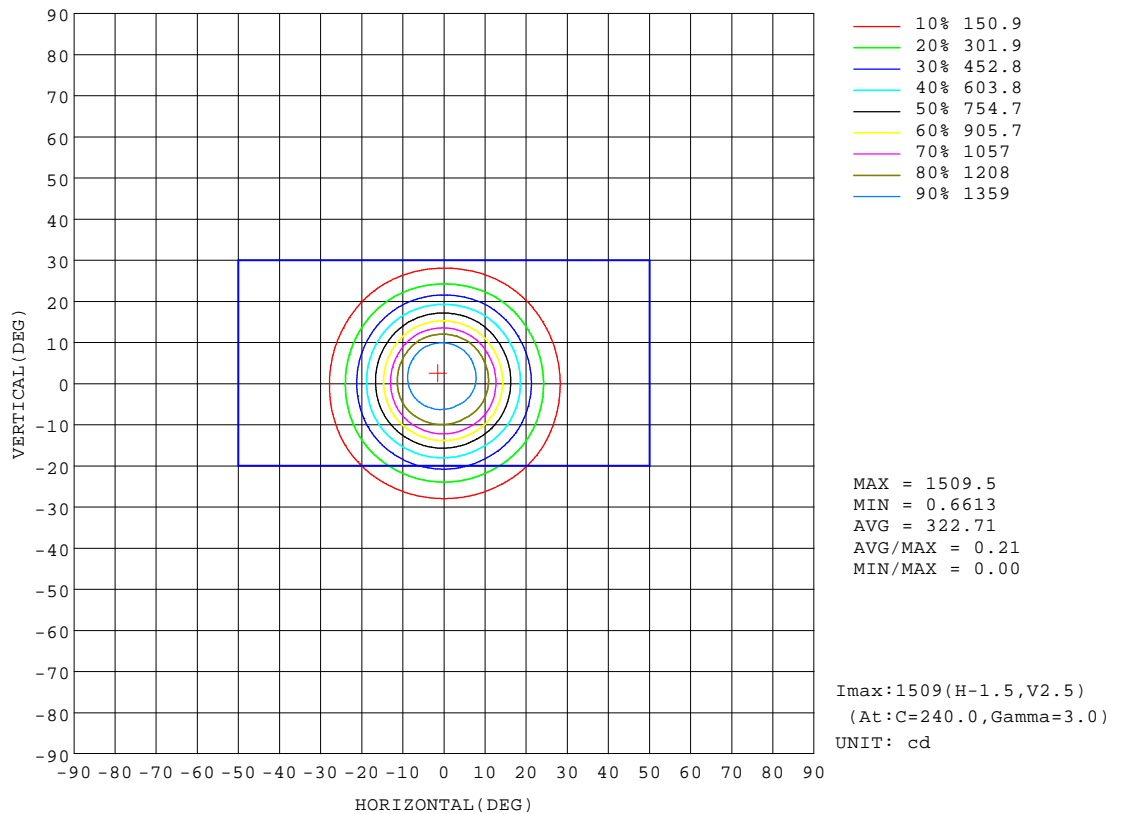
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	46	44	49	46	44	49	46	44	43
0.80	53	50	49	53	50	49	52	50	48	47
1.00	55	52	51	55	52	51	54	52	50	48
1.25	57	55	53	57	54	53	56	54	52	50
1.50	58	56	55	58	56	54	57	55	54	51
2.00	60	58	56	59	57	56	57	56	55	52
2.50	60	58	57	59	58	57	58	57	56	52
3.00	61	59	58	60	59	57	58	57	56	53
4.00	62	61	60	61	60	59	59	58	57	54
5.00	63	62	61	62	61	60	59	59	58	54
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℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

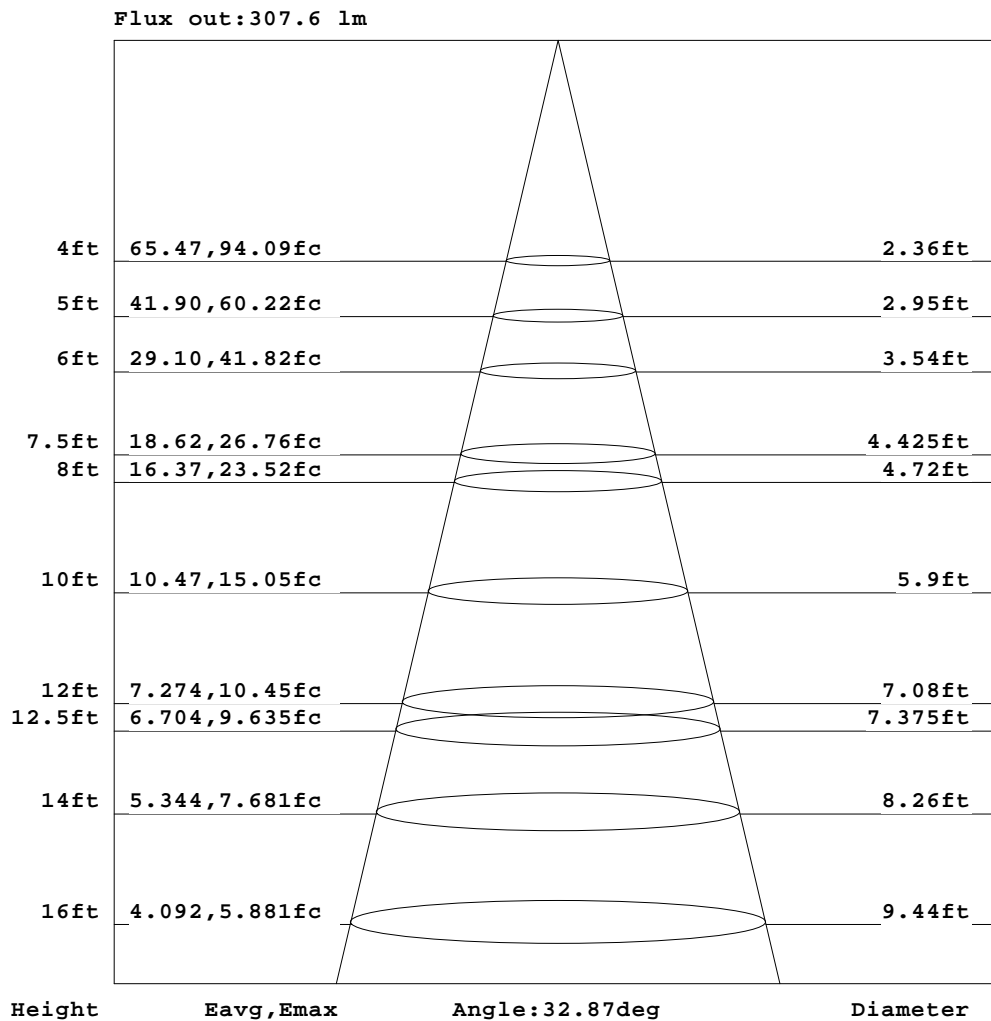


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## AAI Figure

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:



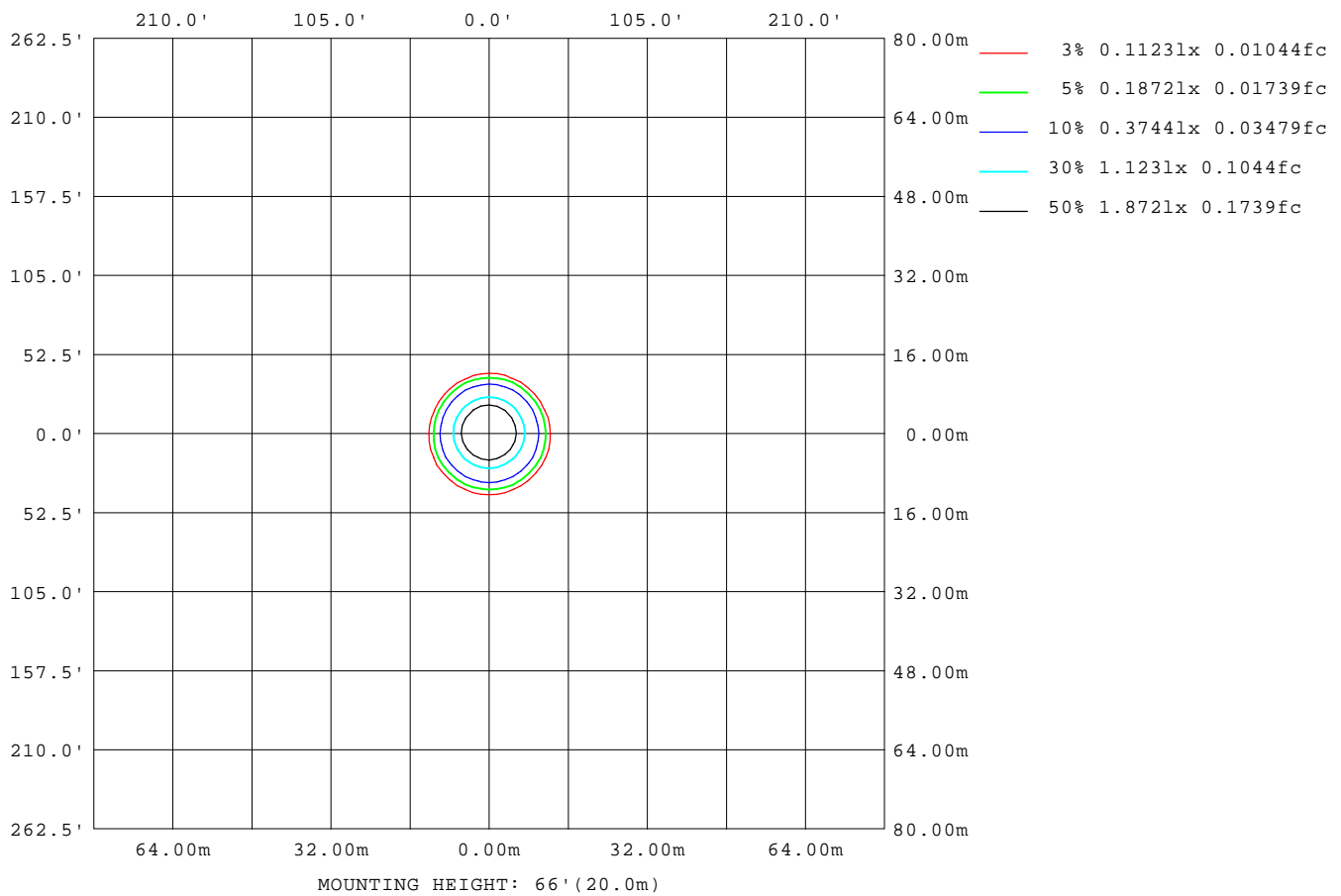
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
LENS: PM-1084B 36R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

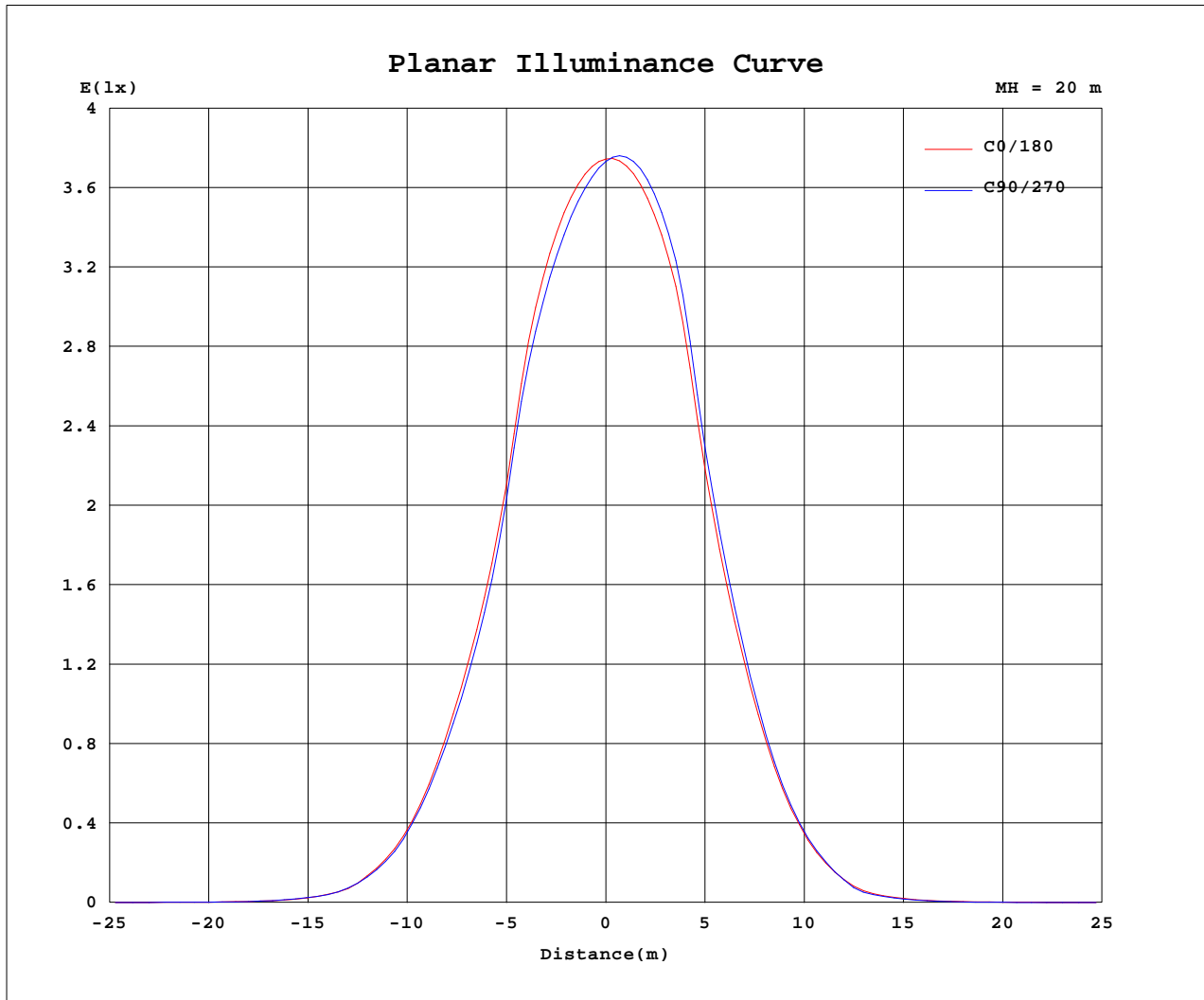
AvgL	cd/m2
L_0~180(65)av	1017
L_0~180(75)av	536
L_0~180(85)av	453
L_90~270(65)av	1032
L_90~270(75)av	501
L_90~270(85)av	423
L_45(65)av	1005
L_45(75)av	501
L_45(85)av	335

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CMA1306-0000-000N0U0A30G Ra:90  
LENS:PM-1084B 36R  
DRIVER:PUP10A-1WMC-350 260mA  
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: 2023-12-9

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: CMA1306-0000-000N0U0A30G Ra:90  
 LENS: PM-1084B 36R  
 DRIVER: PUP10A-1WMC-350 260mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.28V I:0.1026A P:12.241W PF:0.9902 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091438
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1494	1494	1494	1494	1494	1494	1494	1494	1494	1494	1494	1494						
5	1434	1410	1395	1399	1413	1438	1460	1482	1499	1497	1483	1458						
10	1252	1227	1199	1206	1228	1268	1297	1330	1360	1355	1334	1289						
15	843	827	803	808	826	858	877	900	930	924	908	865						
20	522	512	492	496	504	521	526	534	550	551	552	528						
25	266	267	256	257	255	262	254	253	263	264	269	262						
30	106	107	102	102	101	103	94.4	89.0	94.5	95.4	98.2	98.9						
35	30.0	31.9	30.6	29.8	30.0	29.4	25.3	22.5	22.5	22.6	23.9	26.0						
40	9.41	9.94	9.78	9.31	9.66	8.99	7.65	6.56	6.39	6.29	6.71	7.44						
45	3.21	3.46	3.28	3.21	3.18	3.17	2.77	2.23	1.96	1.89	2.08	2.56						
50	1.64	1.80	1.77	1.73	1.72	1.66	1.48	1.11	0.88	0.85	0.97	1.24						
55	0.94	0.99	0.98	0.98	0.98	0.98	0.91	0.67	0.51	0.49	0.56	0.72						
60	0.50	0.54	0.56	0.57	0.57	0.56	0.51	0.43	0.37	0.36	0.39	0.45						
65	0.26	0.27	0.29	0.30	0.30	0.30	0.27	0.23	0.23	0.24	0.24	0.23						
70	0.14	0.15	0.16	0.16	0.16	0.16	0.15	0.12	0.12	0.12	0.12	0.12						
75	0.08	0.09	0.09	0.09	0.09	0.09	0.09	0.07	0.07	0.07	0.07	0.07						
80	0.05	0.05	0.05	0.06	0.05	0.05	0.05	0.04	0.04	0.04	0.04	0.04						
85	0.02	0.02	0.02	0.03	0.02	0.02	0.03	0.01	0.01	0.02	0.02	0.01						
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  
Test Speed: HIGH  
Temperature:25.3℃  
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Test Date:2023-12-9

γ Range: 0 - 180DEG  
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