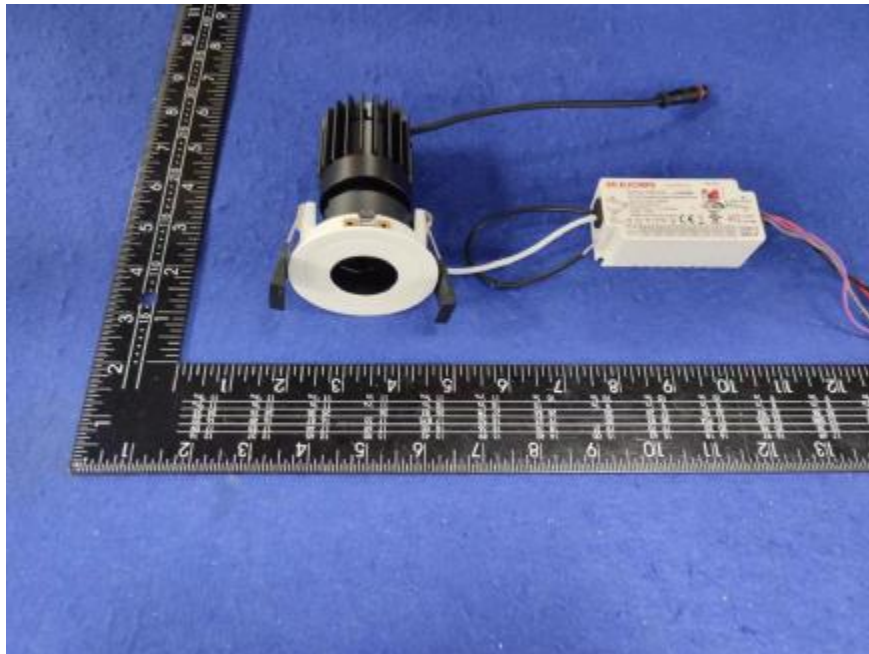


## Luminaire Photograph



Light Output Ratio:	39.5%	
Luminaire Power:	12.21 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: 2023-12-9

Range: 0 - 180DEG  
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-1084 15R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

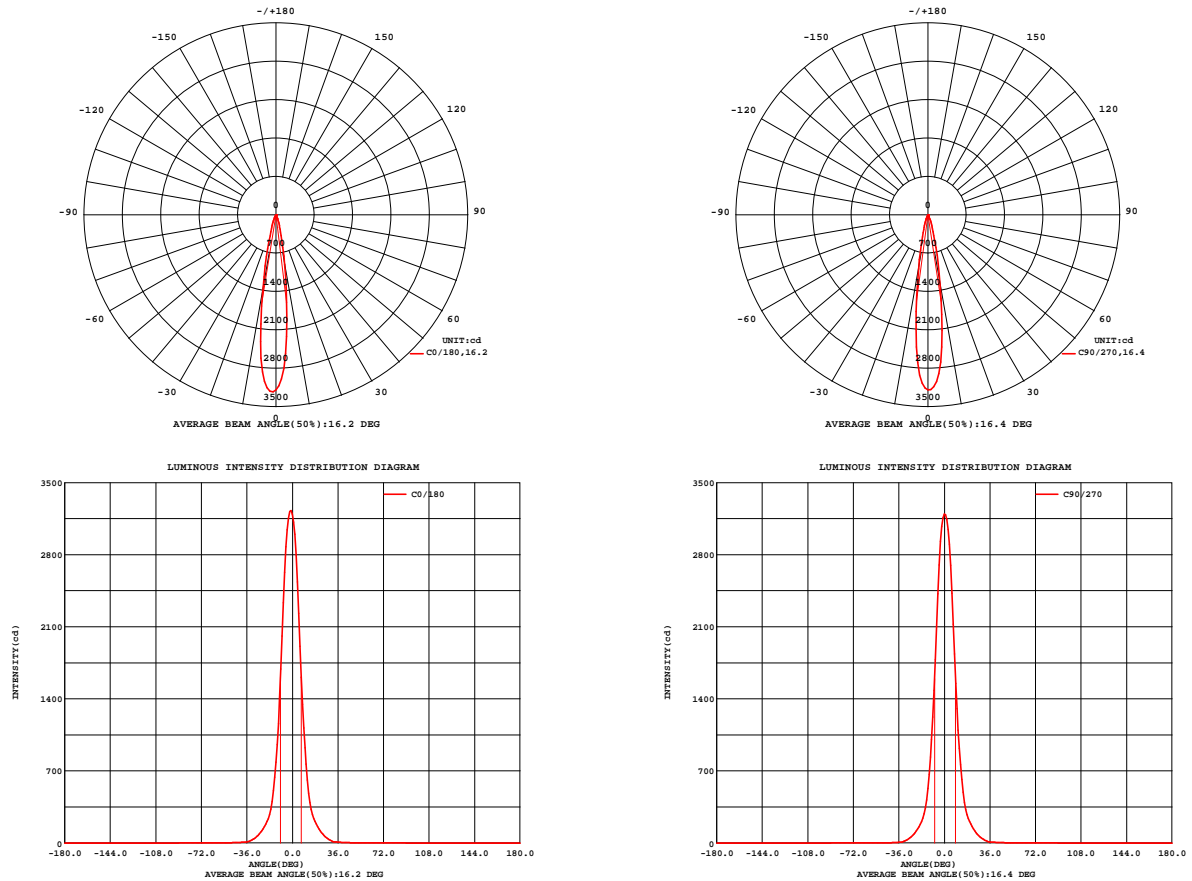


Fig. C0/C180

Fig. C90/C270

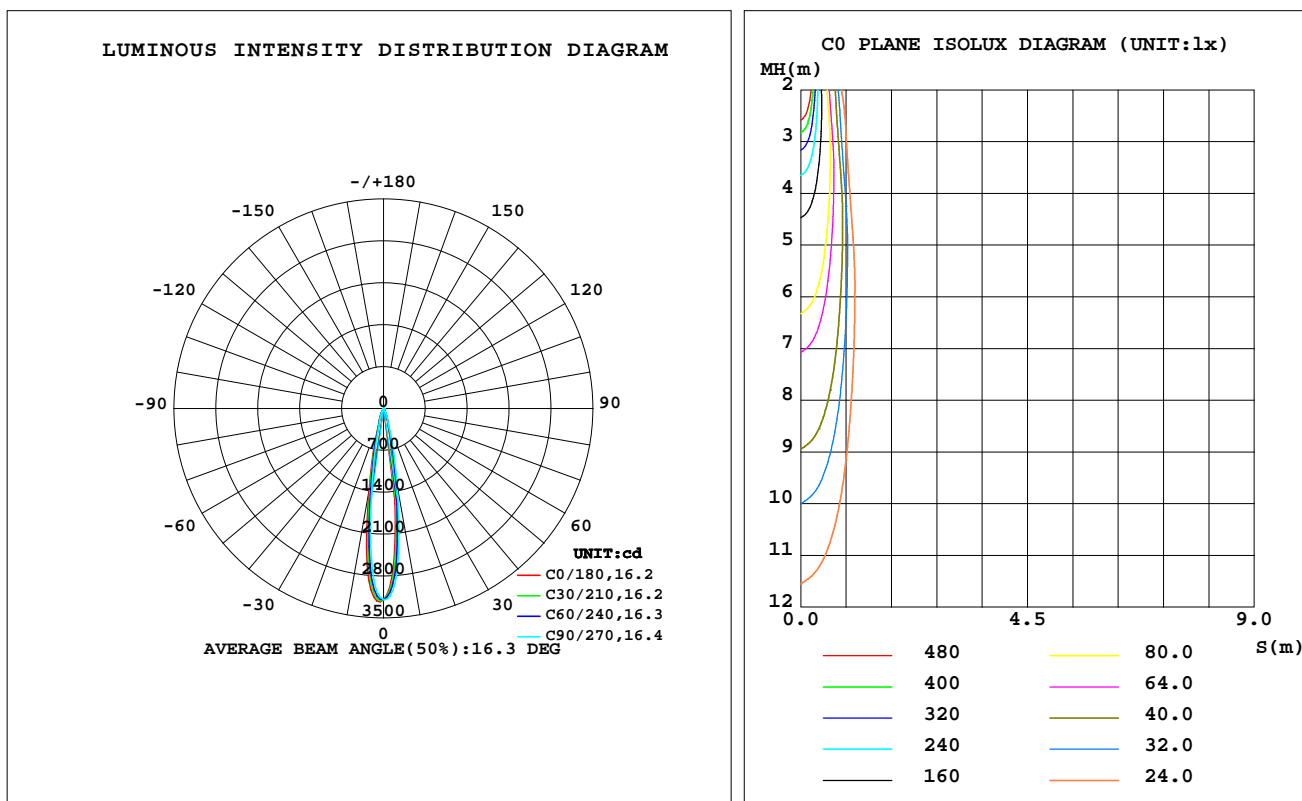
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-9

Range: 0 - 180DEG  
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-1084 15R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 31.06 lm/W			
MODEL	CREE	I <sub>max</sub> (cd)	3232	S/MH(C0/180)	0.32
NOMINAL POWER(W)	12	LOR(%)	39.5	S/MH(C90/270)	0.26
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	379.15	UP,DN(C0-180)	0.0,20.7
NOMINAL FLUX(lm)	959.178	CIE CLASS	DIRECT	UP,DN(C180-360)	0.0,18.8
LAMPS INSIDE	1	up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	120	down(%)	39.5	CIBSE SHR MAX	0.30



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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## ZONAL FLUX DIAGRAM

### ZONAL FLUX DIAGRAM:

	C0	C45	C90	C135	C180	C225	C270	C315		zone	total	%lum,lamp
10	925.5	1093	1305	1447	1403	1207	1006	907.3	0- 10	194.7	194.7	51.3,20.3
20	161.2	188.1	210.1	218.2	209.0	181.4	158.5	149.9	10- 20	129.7	324.3	85.5,33.8
30	26.42	35.13	42.97	46.69	43.38	34.58	26.53	23.55	20- 30	42.03	366.4	96.6,38.2
40	5.399	6.030	6.579	7.077	6.662	4.789	3.854	4.251	30- 40	8.514	374.9	98.9,39.1
50	1.740	2.128	2.429	2.606	2.472	1.570	1.125	1.267	40- 50	2.637	377.5	99.6,39.4
60	0.5798	0.6496	0.7927	0.9436	0.9456	0.6558	0.5218	0.5437	50- 60	1.052	378.6	99.8,39.5
70	0.1685	0.1782	0.2185	0.2771	0.2860	0.2175	0.1853	0.1650	60- 70	0.4088	379.0	100,39.5
80	0.0691	0.0636	0.0735	0.0861	0.0946	0.0694	0.0638	0.0576	70- 80	0.1342	379.1	100,39.5
90	0	0	0	0	0	0	0	0	80- 90	0.0360	379.2	100,39.5
100	0	0	0	0	0	0	0	0	90-100	0	379.2	100,39.5
110	0	0	0	0	0	0	0	0	100-110	0	379.2	100,39.5
120	0	0	0	0	0	0	0	0	110-120	0	379.2	100,39.5
130	0	0	0	0	0	0	0	0	120-130	0	379.2	100,39.5
140	0	0	0	0	0	0	0	0	130-140	0	379.2	100,39.5
150	0	0	0	0	0	0	0	0	140-150	0	379.2	100,39.5
160	0	0	0	0	0	0	0	0	150-160	0	379.2	100,39.5
170	0	0	0	0	0	0	0	0	160-170	0	379.2	100,39.5
180	0	0	0	0	0	0	0	0	170-180	0	379.2	100,39.5
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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

### LUMINANCE LIMITATION CURVES

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz  
Lamp Flux:959.178x1 lm

NAME: 2318.121-LEA-13

TYPE:

WEIGHT:

SPEC.: 3000K

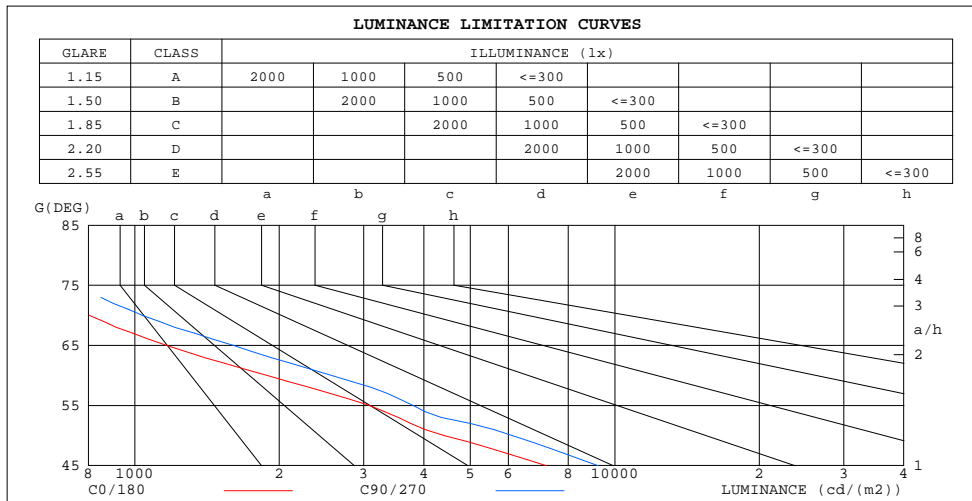
DIM.:

SERIAL No.: 2312091436

MFR.: RISE

SUR.: 0.00061544m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	521	768
80	648	686
75	658	761
70	803	1036
65	1165	1604
60	1890	2570
55	3085	3803
50	4412	6126
45	7208	9232

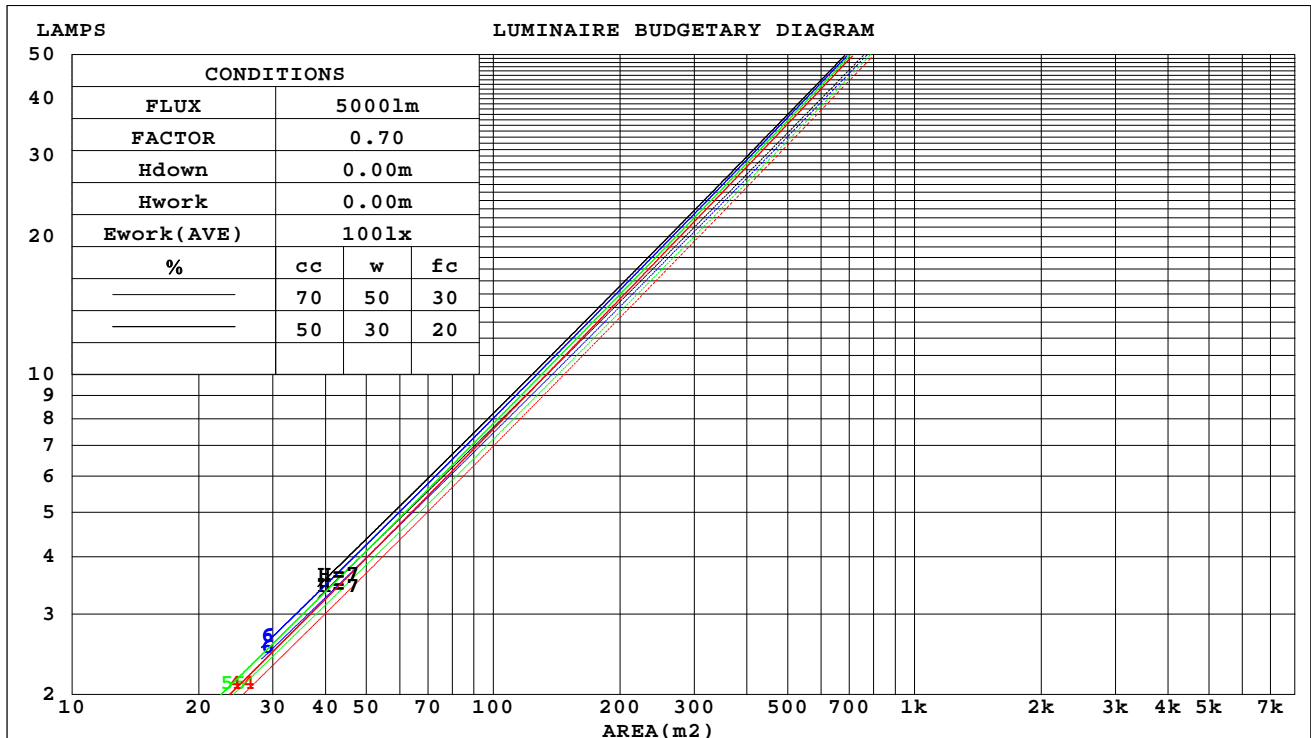
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-9

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio															
	Coefficients of Utilization(CU)															
0.0	.47	.47	.47	.46	.46	.46	.44	.44	.44	.42	.42	.42	.40	.40	.40	.40
1.0	.45	.44	.44	.44	.43	.43	.42	.42	.42	.41	.41	.40	.40	.39	.39	.39
2.0	.43	.42	.41	.42	.41	.41	.41	.40	.40	.40	.39	.39	.39	.39	.38	.38
3.0	.41	.40	.39	.41	.40	.39	.40	.39	.38	.39	.38	.38	.38	.38	.37	.37
4.0	.40	.39	.38	.40	.38	.37	.39	.38	.37	.38	.37	.37	.38	.37	.36	.36
5.0	.39	.37	.36	.39	.37	.36	.38	.37	.36	.37	.36	.36	.37	.36	.35	.35
6.0	.38	.36	.35	.38	.36	.35	.37	.36	.35	.37	.36	.35	.36	.35	.35	.34
7.0	.37	.35	.34	.37	.35	.34	.36	.35	.34	.36	.35	.34	.36	.35	.34	.34
8.0	.36	.35	.34	.36	.35	.34	.36	.34	.33	.35	.34	.33	.35	.34	.33	.33
9.0	.35	.34	.33	.35	.34	.33	.35	.34	.33	.35	.33	.33	.34	.33	.33	.32
10.0	.35	.33	.32	.34	.33	.32	.34	.33	.32	.34	.33	.32	.34	.33	.32	.32



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

```

Range: 0 - 180DEG
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:CMAL306-0000-000N0U0A30G Ra:90
          LENS:PM-1084 15R
          DRIVER:PUP10A-1WMC-350 260mA
          30minutes warm-up

```

### WEC AND CCEC

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

cc	80%			70%			50%			30%			10%			0	
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
fc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.050	.028	.009	.047	.027	.009	.042	.024	.008	.038	.022	.007	.033	.019	.006		
2.0	.045	.025	.008	.043	.024	.007	.039	.022	.007	.036	.020	.006	.032	.018	.006		
3.0	.042	.022	.007	.040	.022	.006	.037	.020	.006	.034	.019	.006	.031	.017	.005		
4.0	.039	.020	.006	.038	.020	.006	.035	.018	.006	.032	.017	.005	.030	.016	.005		
5.0	.037	.019	.005	.035	.018	.005	.033	.017	.005	.031	.016	.005	.029	.015	.005		
6.0	.034	.017	.005	.033	.017	.005	.031	.016	.005	.029	.015	.004	.028	.015	.004		
7.0	.032	.016	.005	.032	.016	.004	.030	.015	.004	.028	.014	.004	.027	.014	.004		
8.0	.031	.015	.004	.030	.015	.004	.028	.014	.004	.027	.014	.004	.026	.013	.004		
9.0	.029	.014	.004	.029	.014	.004	.027	.013	.004	.026	.013	.004	.025	.013	.004		
10.0	.028	.013	.004	.027	.013	.004	.026	.013	.004	.025	.012	.004	.024	.012	.003		

cc	80%			70%			50%			30%			10%			0
w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.075	.075	.075	.064	.064	.064	.044	.044	.044	.025	.025	.025	.008	.008	.008	
1.0	.066	.062	.059	.057	.054	.051	.039	.037	.035	.022	.021	.020	.007	.007	.007	
2.0	.059	.052	.047	.050	.045	.041	.034	.031	.028	.020	.018	.017	.006	.006	.005	
3.0	.053	.045	.039	.045	.039	.033	.031	.027	.023	.018	.016	.014	.006	.005	.005	
4.0	.047	.039	.032	.041	.033	.028	.028	.023	.020	.016	.014	.012	.005	.004	.004	
5.0	.043	.034	.027	.037	.029	.023	.025	.020	.016	.015	.012	.010	.005	.004	.003	
6.0	.039	.030	.023	.034	.026	.020	.023	.018	.014	.014	.011	.008	.004	.003	.003	
7.0	.036	.026	.019	.031	.023	.017	.021	.016	.012	.012	.009	.007	.004	.003	.002	
8.0	.033	.024	.017	.029	.020	.015	.020	.014	.010	.012	.008	.006	.004	.003	.002	
9.0	.031	.021	.015	.027	.018	.013	.019	.013	.009	.011	.008	.005	.003	.003	.002	
10.0	.029	.019	.013	.025	.017	.011	.017	.012	.008	.010	.007	.005	.003	.002	.002	

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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm											
NAME: 2318.121-LEA-13						TYPE:		WEIGHT:			
SPEC.: 3000K						DIM.:		SERIAL No.: 2312091436			
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	2H	7.2	7.7	7.4	7.9	8.0	9.1	9.6	9.3	9.8	9.9
	3H	7.1	7.6	7.3	7.8	8.0	9.0	9.5	9.2	9.7	9.9
	4H	7.0	7.6	7.3	7.8	8.0	8.9	9.4	9.2	9.6	9.8
	6H	7.0	7.5	7.3	7.7	7.9	8.9	9.3	9.1	9.6	9.8
	8H	7.0	7.4	7.2	7.7	7.9	8.8	9.3	9.1	9.5	9.8
	12H	6.9	7.4	7.2	7.6	7.9	8.8	9.2	9.1	9.5	9.8
4H	2H	7.1	7.6	7.3	7.8	8.0	8.9	9.4	9.2	9.6	9.8
	3H	7.0	7.4	7.3	7.7	8.0	8.8	9.3	9.1	9.5	9.8
	4H	6.9	7.3	7.3	7.6	7.9	8.7	9.2	9.1	9.5	9.8
	6H	6.9	7.2	7.2	7.6	7.9	8.7	9.0	9.0	9.4	9.7
	8H	6.8	7.2	7.2	7.5	7.9	8.6	9.0	9.0	9.3	9.7
	12H	6.8	7.1	7.2	7.5	7.8	8.6	8.9	9.0	9.3	9.7
8H	4H	6.8	7.1	7.2	7.5	7.8	8.6	9.0	9.0	9.3	9.7
	6H	6.7	7.0	7.1	7.4	7.8	8.5	8.8	8.9	9.2	9.6
	8H	6.7	6.9	7.1	7.4	7.8	8.5	8.7	8.9	9.1	9.6
	12H	6.6	6.9	7.1	7.3	7.8	8.4	8.7	8.9	9.1	9.6
12H	4H	6.7	7.1	7.1	7.4	7.8	8.5	8.9	8.9	9.2	9.6
	6H	6.7	6.9	7.1	7.3	7.8	8.5	8.7	8.9	9.1	9.6
	8H	6.6	6.9	7.1	7.3	7.8	8.4	8.6	8.9	9.1	9.5
Variations with the observer position at spacings(CIE Pub.117):											
S = 1.0H	+ 2.0 / - 4.6					+ 2.4 / - 4.2					
1.5H	+ 3.1 / - 3.1					+ 3.6 / - 3.5					
2.0H	+ 3.9 / - 4.2					+ 4.3 / - 4.6					

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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

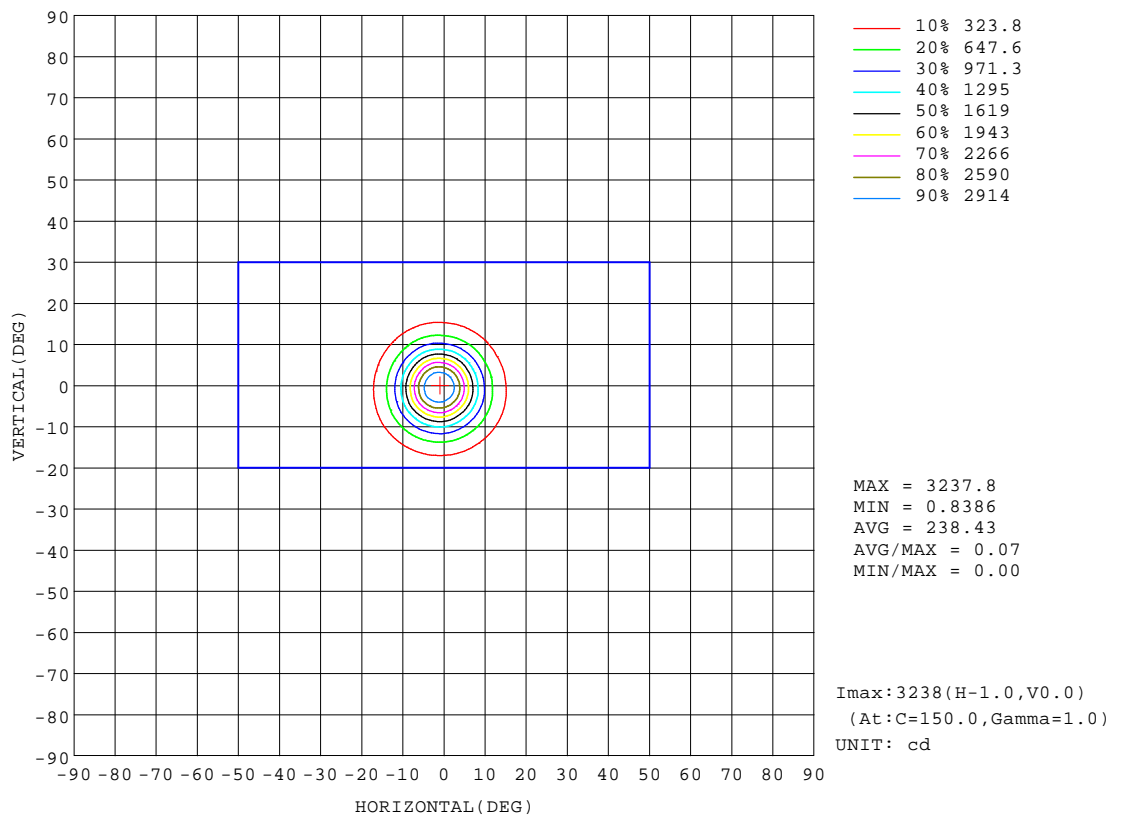
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	36	34	32	36	34	32	35	33	32	31
0.80	39	37	35	38	36	35	38	36	35	34
1.00	40	38	37	40	38	37	39	38	37	35
1.25	42	40	39	41	40	38	40	39	38	37
1.50	43	41	40	42	41	39	41	40	39	37
2.00	43	42	41	43	41	40	42	41	40	38
2.50	44	43	42	43	42	41	42	41	40	38
3.00	45	43	42	44	43	42	43	42	41	39
4.00	45	44	44	44	44	43	43	42	42	39
5.00	46	45	44	45	44	44	43	43	42	40
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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

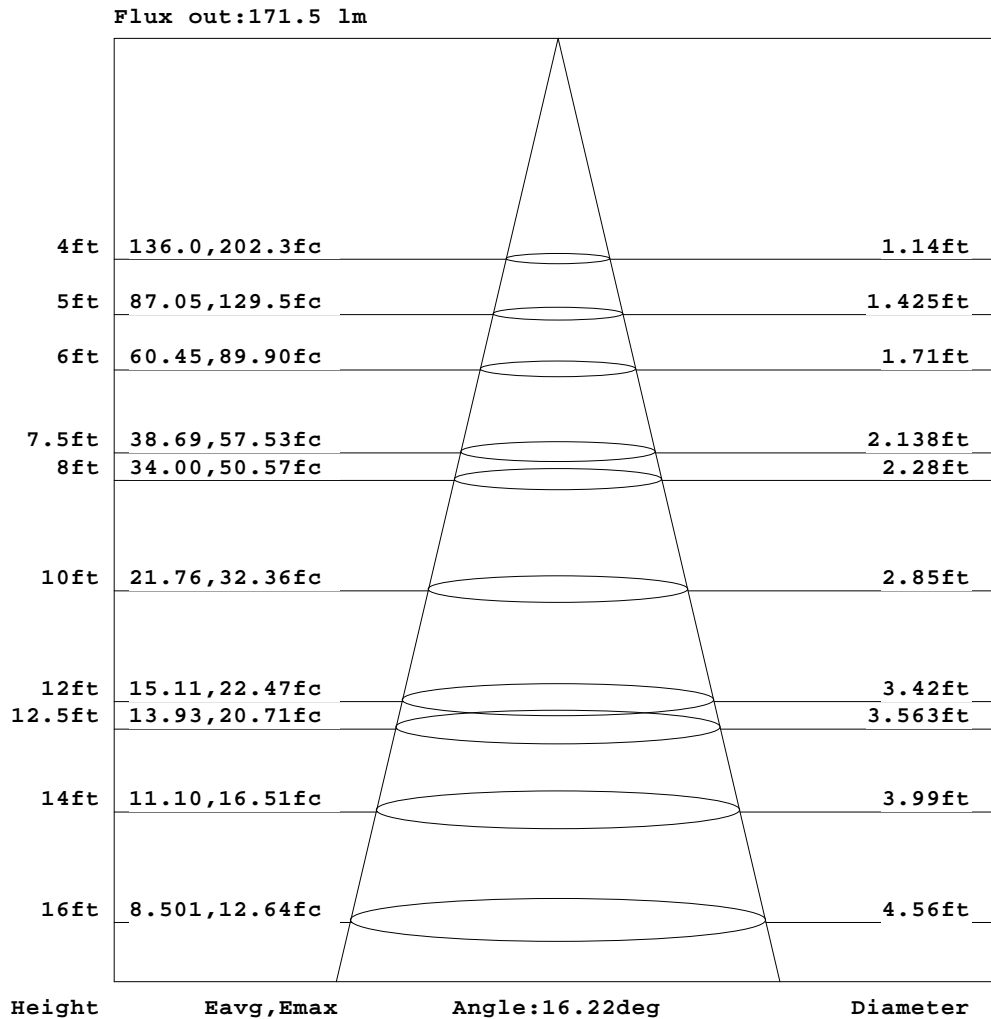


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-9

Range: 0 - 180DEG  
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-1084 15R  
DRIVER: PUP10A-1WMC-350 260mA  
30minutes warm-up

## AAI Figure

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:



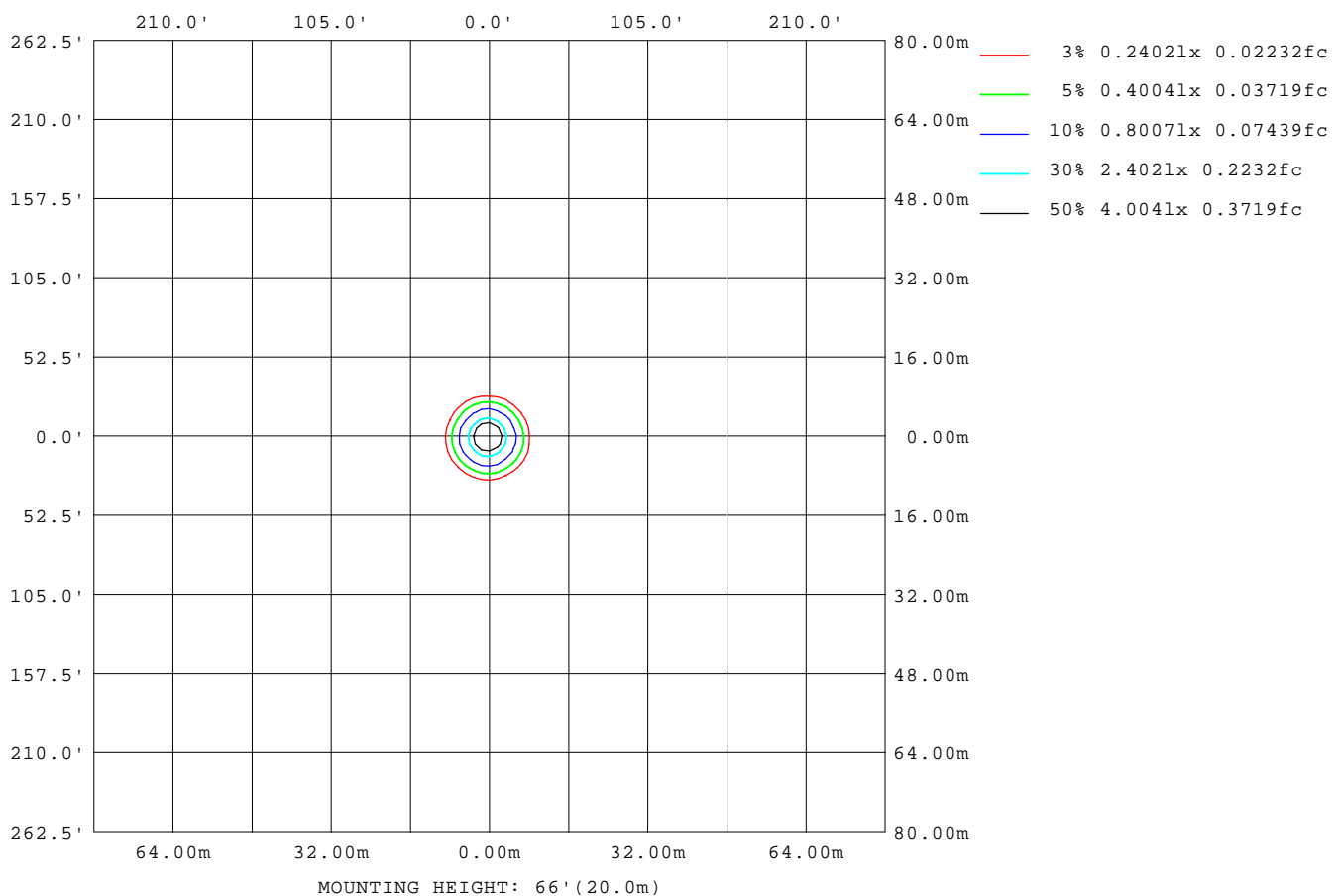
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
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

Range: 0 - 180DEG  
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-1084 15R  
DRIVER:PUP10A-1WMC-350 260mA  
30minutes warm-up

## LED Avg.L Report

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

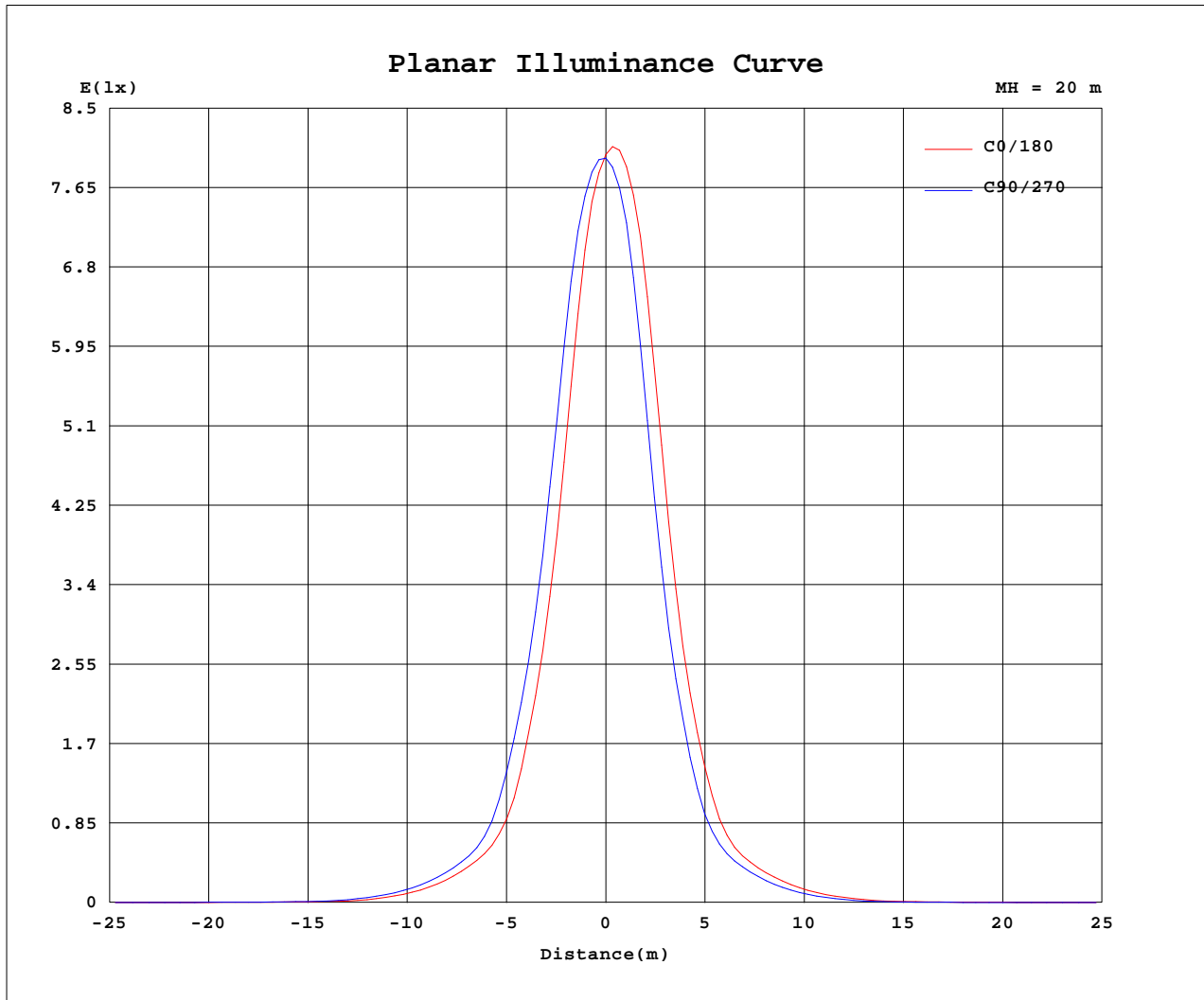
AvgL	cd/m2
L_0~180(65)av	1585
L_0~180(75)av	832
L_0~180(85)av	680
L_90~270(65)av	1489
L_90~270(75)av	715
L_90~270(85)av	594
L_45(65)av	1502
L_45(75)av	740
L_45(85)av	496

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

Range: 0 - 180DEG  
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-1084 15R  
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

Range: 0 - 180DEG  
 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-1084 15R  
 DRIVER: PUP10A-1WMC-350 260mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:120.15V I:0.1025A P:12.206W PF:0.9894 Freq:59.98Hz Lamp Flux:959.178x1 lm		
NAME: 2318.121-LEA-13	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312091436
MFR.: RISE	SUR.: 0.00061544m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	3194	3194	3194	3194	3194	3194	3194	3194	3194	3194	3194	3194						
5	2230	2360	2514	2695	2836	2917	2876	2754	2613	2420	2269	2191						
10	926	1037	1148	1305	1416	1477	1403	1263	1151	1006	922	893						
15	326	372	418	492	545	562	507	433	387	339	317	304						
20	161	182	194	210	216	220	209	189	174	158	152	148						
25	72.5	84.4	92.7	102	107	110	103	92.0	82.3	72.2	67.5	65.1						
30	26.4	32.5	37.7	43.0	46.0	47.3	43.4	37.3	31.8	26.5	24.2	22.9						
35	9.43	10.3	10.9	12.4	14.2	15.0	13.3	10.3	8.31	7.26	7.34	7.93						
40	5.40	5.87	6.19	6.58	6.97	7.18	6.66	5.27	4.30	3.85	4.03	4.48						
45	3.13	3.53	3.83	4.03	4.27	4.42	4.07	3.11	2.43	2.13	2.30	2.58						
50	1.74	2.01	2.24	2.43	2.52	2.69	2.47	1.81	1.33	1.12	1.17	1.37						
55	1.09	1.15	1.22	1.35	1.47	1.57	1.49	1.07	0.80	0.72	0.76	0.89						
60	0.58	0.62	0.68	0.79	0.90	0.98	0.95	0.73	0.58	0.52	0.53	0.55						
65	0.30	0.32	0.36	0.42	0.49	0.54	0.52	0.43	0.39	0.36	0.31	0.29						
70	0.17	0.17	0.19	0.22	0.26	0.29	0.29	0.24	0.20	0.19	0.17	0.16						
75	0.10	0.10	0.11	0.12	0.14	0.16	0.16	0.13	0.11	0.11	0.10	0.09						
80	0.07	0.06	0.07	0.07	0.08	0.09	0.09	0.07	0.06	0.06	0.06	0.06						
85	0.03	0.02	0.02	0.04	0.04	0.05	0.05	0.03	0.02	0.02	0.02	0.02						
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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Test Date:2023-12-9

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