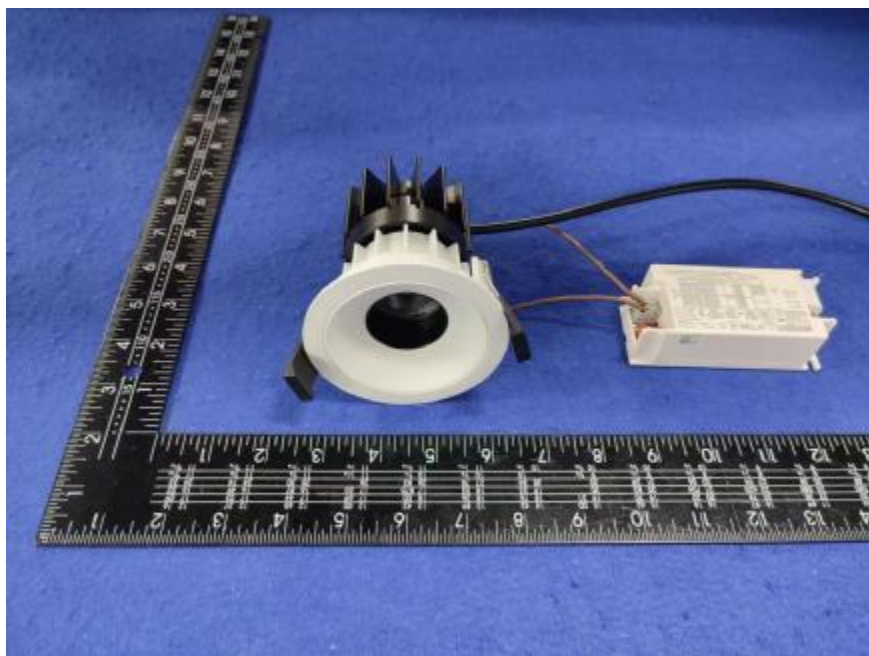


### Luminaire Photograph



Light Output Ratio:	71.3%	
Luminaire Power:	13.83 W	
SHR Nominal:	0.75	Calculated using the TM5
SHR Maximum:	0.80	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-4

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: CLU028-1204C4-303H5M3-F1 Ra:90  
LENS: PM-1082C 50R  
DRIVER: IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

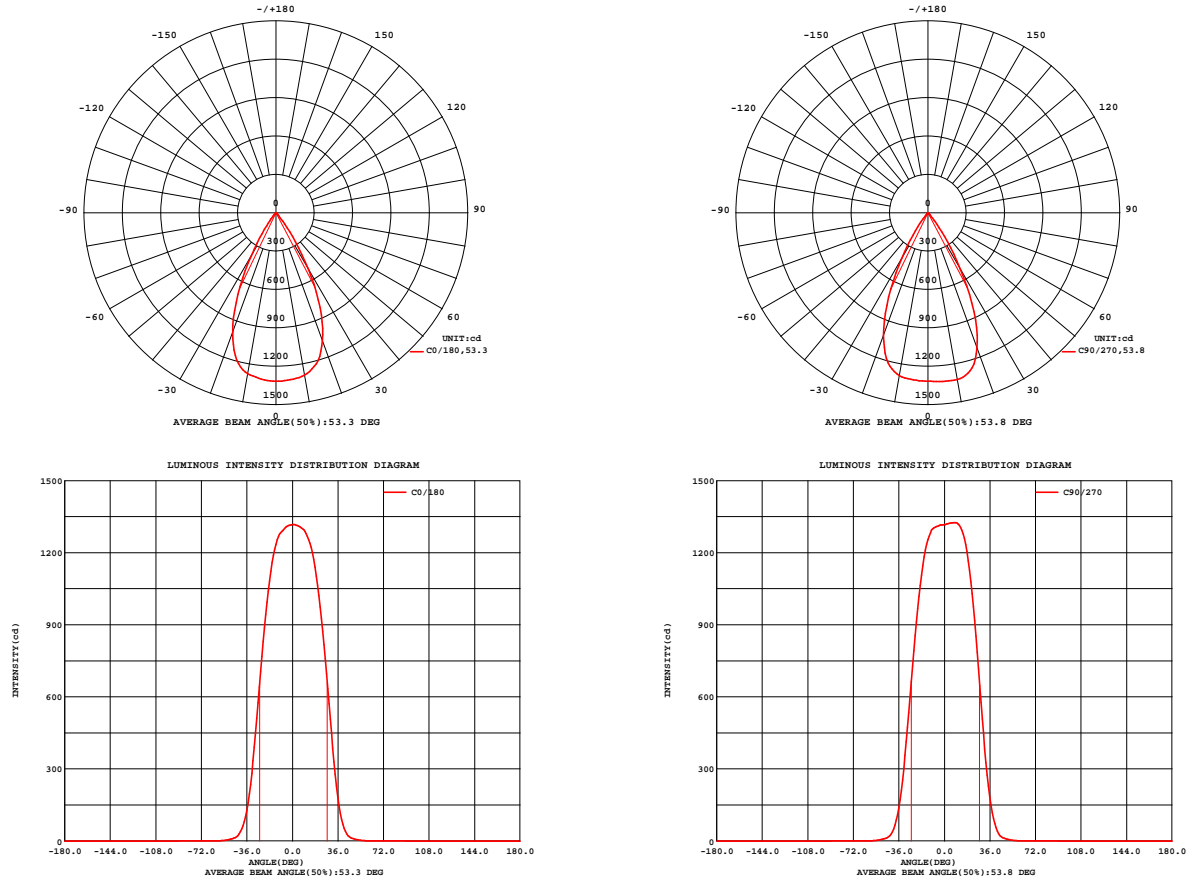


Fig. C0/C180

Fig. C90/C270

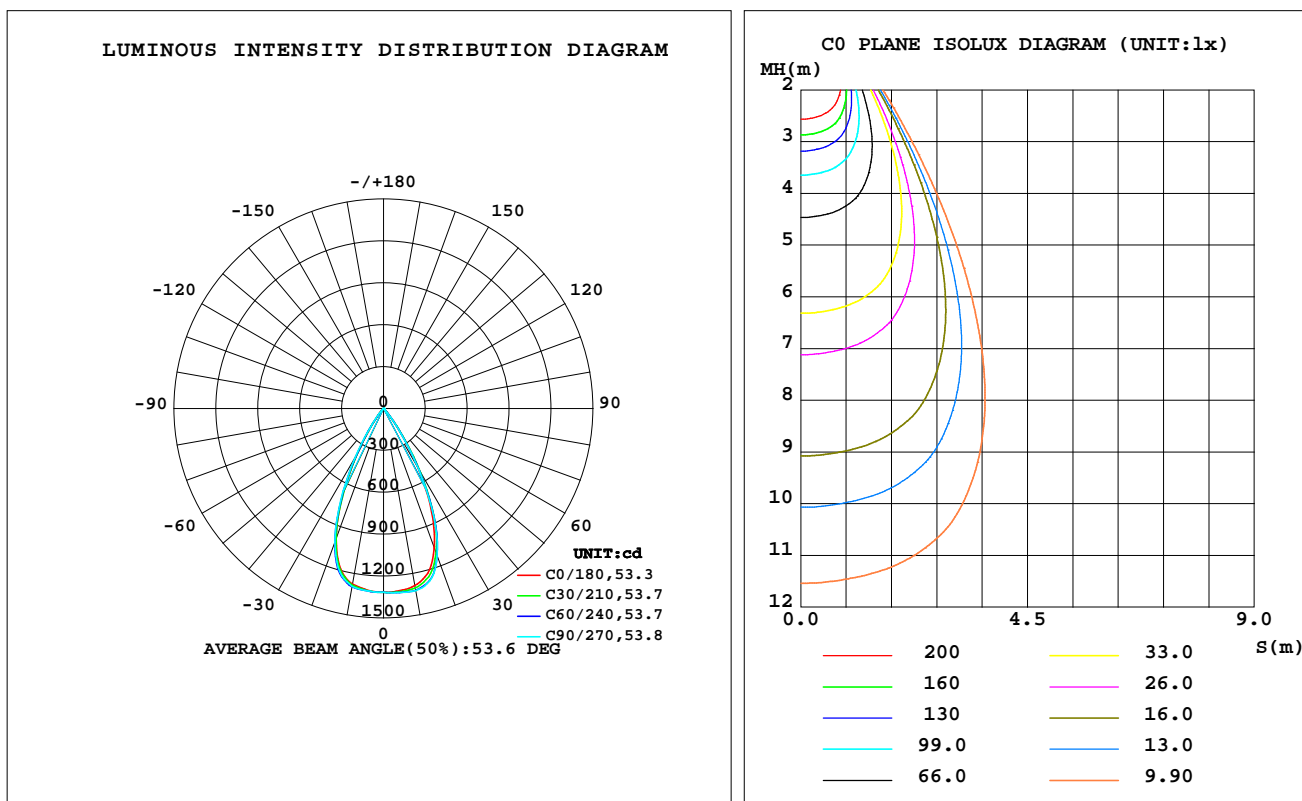
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-4

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: CLU028-1204C4-303H5M3-F1 Ra: 90  
LENS: PM-1082C 50R  
DRIVER: IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 69.36 lm/W			
MODEL	CITIZEN	I <sub>max</sub> (cd)	1325	S/MH(C0/180)	0.77
NOMINAL POWER(W)	14	LOR(%)	71.3	S/MH(C90/270)	0.78
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	959.00	η UP,DN(C0-180)	0.0,37.5
NOMINAL FLUX(lm)	1345.45	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,33.8
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	220	η down(%)	71.3	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
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	1288	1314	1324	1294	1277	1291	1294	1275	0- 10	124.7	124.7	13,9.27
20	1064	1112	1125	1060	992.6	1011	1018	1007	10- 20	337.8	462.6	48.2,34.4
30	507.5	523.9	508.7	462.7	389.8	390.7	413.1	439.4	20- 30	346.4	808.9	84.4,60.1
40	69.47	73.70	72.04	64.74	50.26	48.17	50.12	54.03	30- 40	131.2	940.1	98,69.9
50	6.607	6.481	6.742	6.691	5.635	5.486	5.476	5.458	40- 50	16.17	956.3	99.7,71.1
60	0.7944	0.8087	0.8279	0.7895	0.6996	0.7329	0.7581	0.7153	50- 60	2.216	958.5	100,71.2
70	0.1558	0.1503	0.1507	0.1421	0.1326	0.1343	0.1438	0.1331	60- 70	0.3719	958.9	100,71.3
80	0.0449	0.0361	0.0394	0.0365	0.0381	0.0310	0.0369	0.0340	70- 80	0.0701	959.0	100,71.3
90	0	0	0	0	0	0	0	0	80- 90	0.0253	959.0	100,71.3
100	0	0	0	0	0	0	0	0	90-100	0	959.0	100,71.3
110	0	0	0	0	0	0	0	0	100-110	0	959.0	100,71.3
120	0	0	0	0	0	0	0	0	110-120	0	959.0	100,71.3
130	0	0	0	0	0	0	0	0	120-130	0	959.0	100,71.3
140	0	0	0	0	0	0	0	0	130-140	0	959.0	100,71.3
150	0	0	0	0	0	0	0	0	140-150	0	959.0	100,71.3
160	0	0	0	0	0	0	0	0	150-160	0	959.0	100,71.3
170	0	0	0	0	0	0	0	0	160-170	0	959.0	100,71.3
180	0	0	0	0	0	0	0	0	170-180	0	959.0	100,71.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

$\gamma$  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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz  
Lamp Flux:1345.45x1 lm

NAME: 2318.110-ACOT-70

TYPE:

WEIGHT:

SPEC.: 3000K

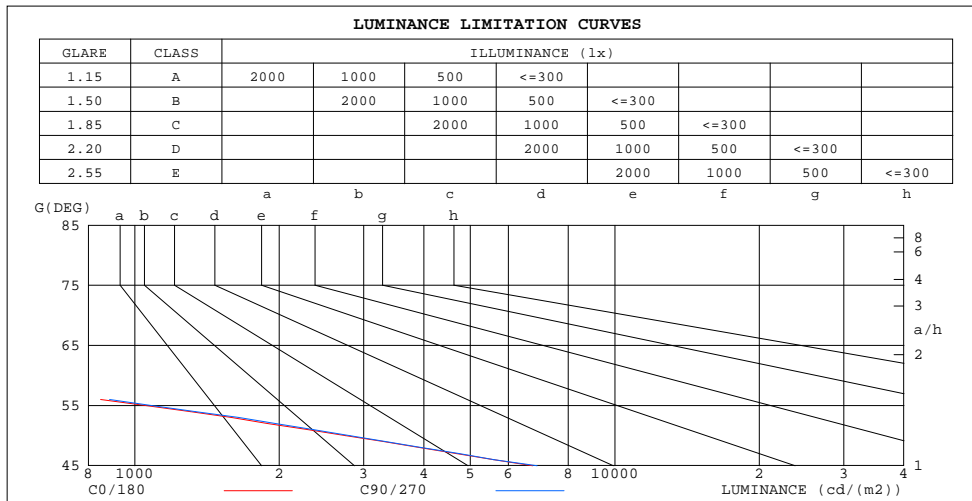
DIM.:

SERIAL No.: 2312041417

MFR.: RISE

SUR.: 0.003737385m2

Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz  
Lamp Flux:1345.45x1 lm

NAME: 2318.110-ACOT-70

TYPE:

WEIGHT:

SPEC.: 3000K

DIM.:

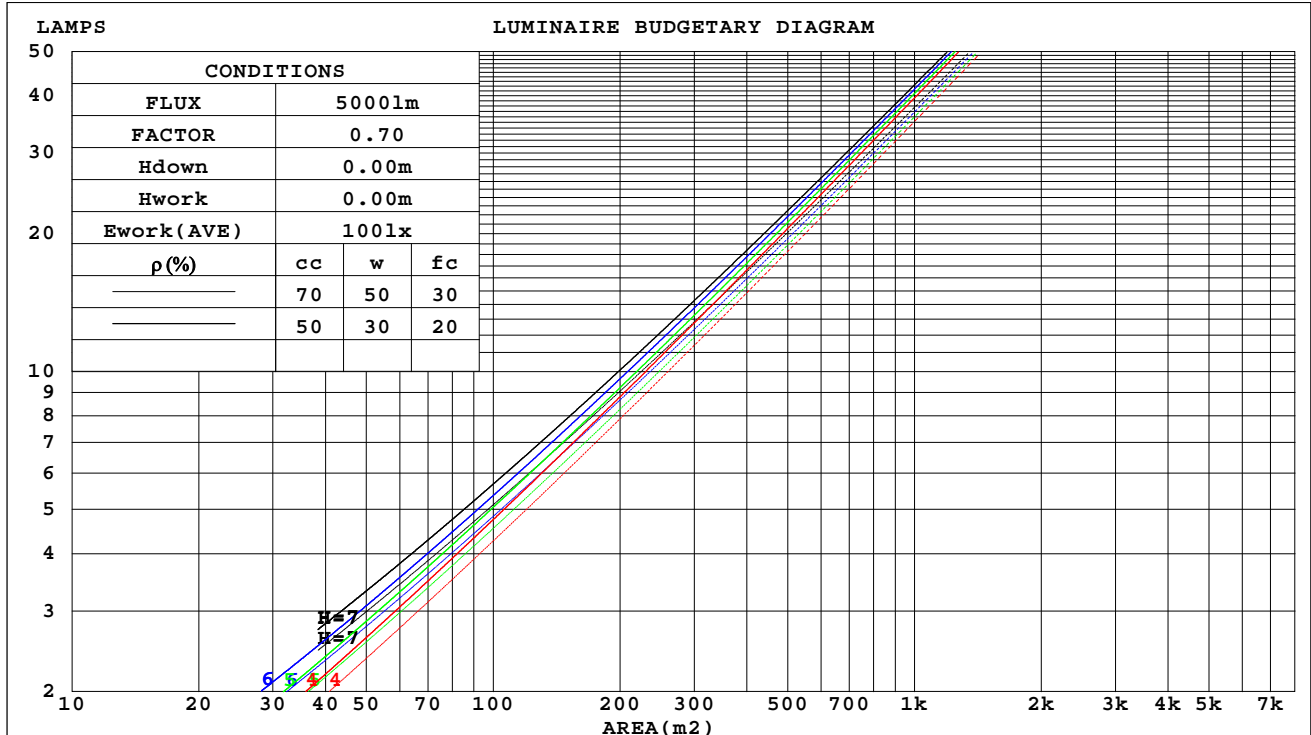
SERIAL No.: 2312041417

MFR.: RISE

SUR.: 0.003737385m2

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	.85	.85	.85	.83	.83	.83	.79	.79	.79	.76	.76	.76	.73	.73	.73	.71
1.0	.79	.78	.76	.78	.76	.75	.75	.74	.73	.72	.72	.71	.70	.69	.69	.67
2.0	.75	.72	.70	.73	.71	.69	.71	.69	.67	.69	.67	.66	.67	.66	.65	.64
3.0	.70	.67	.64	.69	.66	.64	.67	.65	.63	.66	.64	.62	.64	.62	.61	.60
4.0	.66	.63	.60	.65	.62	.60	.64	.61	.59	.62	.60	.58	.61	.59	.58	.56
5.0	.63	.59	.56	.62	.58	.56	.61	.58	.55	.59	.57	.55	.58	.56	.54	.53
6.0	.59	.55	.53	.59	.55	.52	.58	.54	.52	.57	.54	.52	.56	.53	.51	.50
7.0	.56	.52	.50	.56	.52	.49	.55	.51	.49	.54	.51	.49	.53	.51	.49	.48
8.0	.53	.49	.47	.53	.49	.47	.52	.49	.46	.51	.48	.46	.51	.48	.46	.45
9.0	.51	.47	.44	.50	.47	.44	.50	.46	.44	.49	.46	.44	.49	.46	.44	.43
10.0	.48	.45	.42	.48	.44	.42	.47	.44	.42	.47	.44	.42	.46	.44	.42	.41



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

$\gamma$  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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

### WEC AND CCEC

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	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	.117	.066	.021	.112	.064	.020	.103	.059	.019	.095	.055	.018	.087	.051	.016	
2.0	.111	.061	.019	.107	.059	.018	.100	.055	.017	.093	.052	.016	.086	.049	.015	
3.0	.105	.056	.017	.102	.055	.016	.096	.052	.016	.090	.049	.015	.084	.047	.014	
4.0	.100	.052	.015	.097	.051	.015	.092	.049	.015	.087	.047	.014	.082	.045	.014	
5.0	.096	.049	.014	.093	.048	.014	.088	.046	.014	.084	.044	.013	.080	.043	.013	
6.0	.091	.046	.013	.089	.045	.013	.085	.044	.013	.081	.042	.012	.078	.041	.012	
7.0	.087	.043	.012	.086	.043	.012	.082	.041	.012	.079	.040	.012	.075	.039	.012	
8.0	.084	.041	.012	.082	.040	.011	.079	.039	.011	.076	.038	.011	.073	.038	.011	
9.0	.081	.039	.011	.079	.039	.011	.076	.038	.011	.073	.037	.011	.071	.036	.010	
10.0	.078	.037	.010	.076	.037	.010	.074	.036	.010	.071	.035	.010	.069	.035	.010	

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	.136	.136	.136	.116	.116	.116	.079	.079	.079	.045	.045	.045	.015	.015	.015	
1.0	.121	.112	.104	.104	.096	.090	.071	.066	.062	.041	.038	.036	.013	.012	.012	
2.0	.110	.094	.082	.094	.081	.071	.064	.056	.049	.037	.033	.029	.012	.011	.009	
3.0	.100	.081	.065	.086	.070	.057	.059	.048	.040	.034	.028	.023	.011	.009	.008	
4.0	.093	.070	.053	.080	.061	.046	.055	.042	.032	.032	.025	.019	.010	.008	.006	
5.0	.086	.062	.044	.074	.054	.038	.051	.037	.027	.030	.022	.016	.010	.007	.005	
6.0	.081	.055	.037	.069	.048	.032	.048	.033	.023	.028	.020	.013	.009	.006	.004	
7.0	.076	.050	.031	.065	.043	.027	.045	.030	.019	.026	.018	.011	.008	.006	.004	
8.0	.072	.045	.027	.062	.039	.023	.043	.027	.016	.025	.016	.010	.008	.005	.003	
9.0	.068	.041	.023	.059	.036	.020	.041	.025	.014	.024	.015	.009	.008	.005	.003	
10.0	.065	.038	.020	.056	.033	.018	.039	.023	.013	.023	.014	.007	.007	.005	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm										
NAME: 2318.110-ACOT-70					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2312041417		
MFR.: RISE					SUR.: 0.003737385m2			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	16.5	17.4	16.7	17.5	17.7	16.3	17.1	16.5	17.3	17.5
3H	16.3	17.1	16.6	17.3	17.5	16.1	16.9	16.4	17.1	17.3
4H	16.3	17.0	16.5	17.2	17.4	16.0	16.8	16.3	17.0	17.2
6H	16.2	16.9	16.5	17.1	17.3	15.9	16.6	16.2	16.9	17.1
8H	16.1	16.8	16.4	17.0	17.3	15.9	16.6	16.2	16.8	17.1
12H	16.1	16.7	16.4	17.0	17.3	15.9	16.5	16.2	16.8	17.0
4H 2H	16.3	17.0	16.5	17.2	17.4	16.0	16.8	16.3	17.0	17.2
3H	16.1	16.7	16.4	17.0	17.3	15.9	16.5	16.2	16.8	17.0
4H	16.0	16.6	16.3	16.9	17.2	15.8	16.3	16.1	16.6	16.9
6H	15.9	16.4	16.3	16.7	17.1	15.7	16.2	16.0	16.5	16.9
8H	15.8	16.3	16.2	16.7	17.0	15.6	16.1	16.0	16.4	16.8
12H	15.8	16.2	16.2	16.6	17.0	15.6	16.0	16.0	16.4	16.8
8H 4H	15.8	16.3	16.2	16.7	17.0	15.6	16.1	16.0	16.4	16.8
6H	15.7	16.1	16.2	16.5	16.9	15.5	15.9	15.9	16.3	16.7
8H	15.7	16.0	16.1	16.4	16.9	15.5	15.8	15.9	16.2	16.7
12H	15.6	15.9	16.1	16.3	16.8	15.4	15.7	15.9	16.1	16.6
12H 4H	15.8	16.2	16.2	16.6	17.0	15.6	16.0	16.0	16.4	16.8
6H	15.7	16.0	16.1	16.4	16.9	15.5	15.8	15.9	16.2	16.7
8H	15.6	15.9	16.1	16.3	16.8	15.4	15.7	15.9	16.1	16.6
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 4.2 / -20.8					+ 4.4 / -20.5				
1.5H	+ 6.9 / -16.5					+ 7.0 / -16.5				
2.0H	+ 7.1 / -12.3					+ 7.3 / -12.3				

CIE Pub.117, 1345 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 1.0)  
Area: 0.00373738 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:

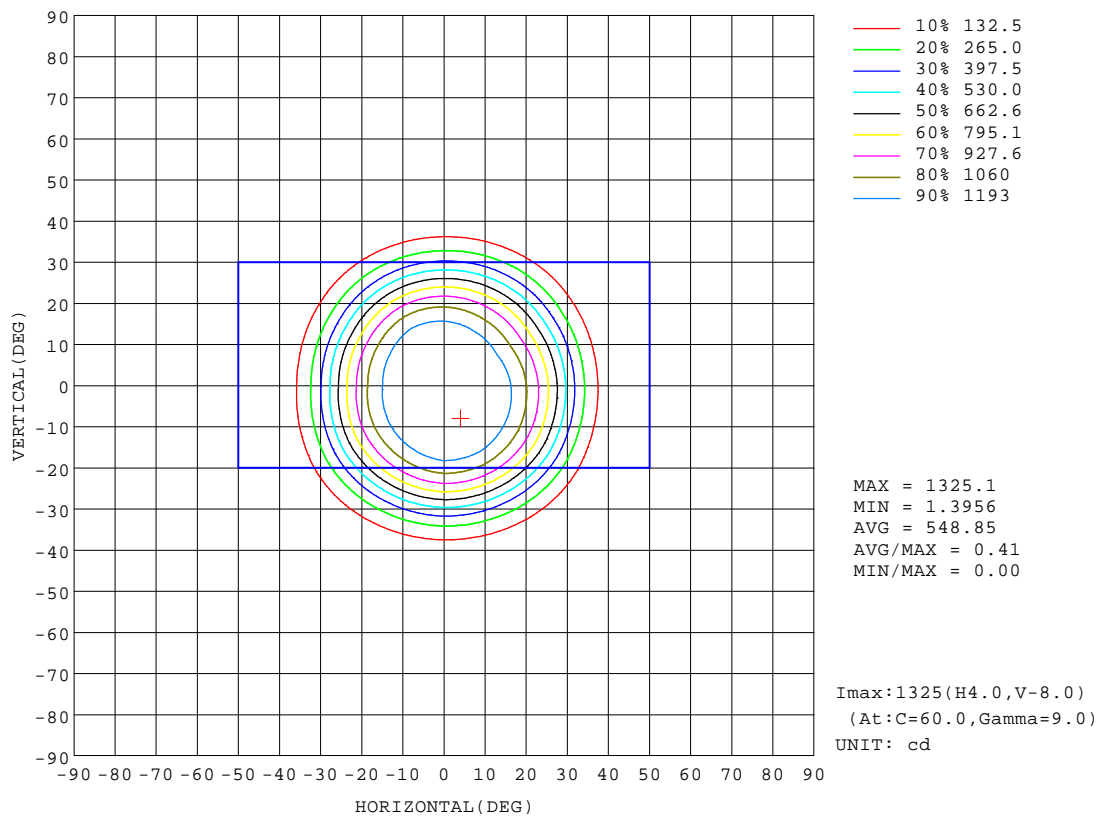
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	64	60	58	64	60	58	64	60	58	55
0.80	69	66	63	69	65	63	68	65	63	60
1.00	72	69	66	72	68	66	71	68	66	63
1.25	75	71	69	74	71	69	73	70	68	66
1.50	77	73	71	76	73	71	74	72	70	67
2.00	78	75	73	77	75	73	75	73	72	68
2.50	79	77	75	78	76	74	76	74	73	69
3.00	80	78	76	79	77	75	77	75	74	69
4.00	82	80	78	80	79	77	78	76	75	70
5.00	82	81	80	81	80	79	78	77	76	71
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:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:

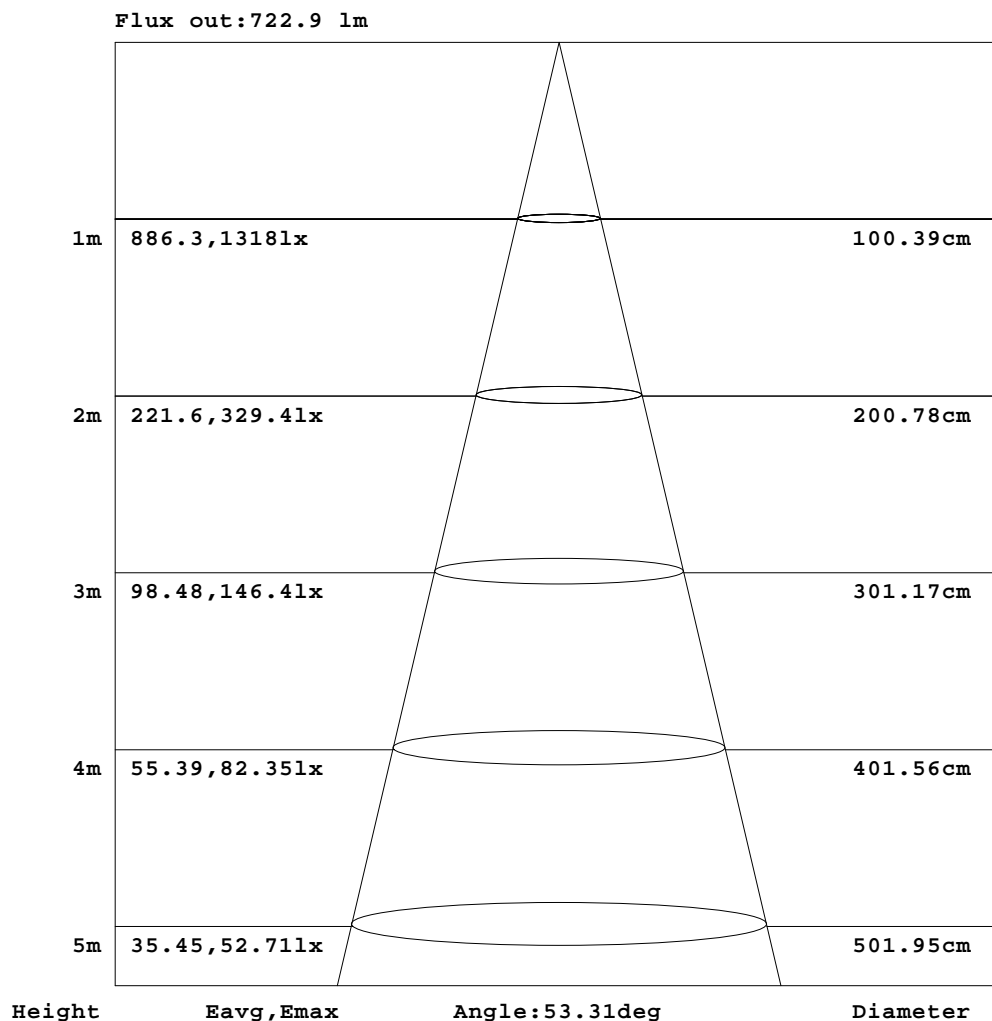


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## AAI Figure

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:



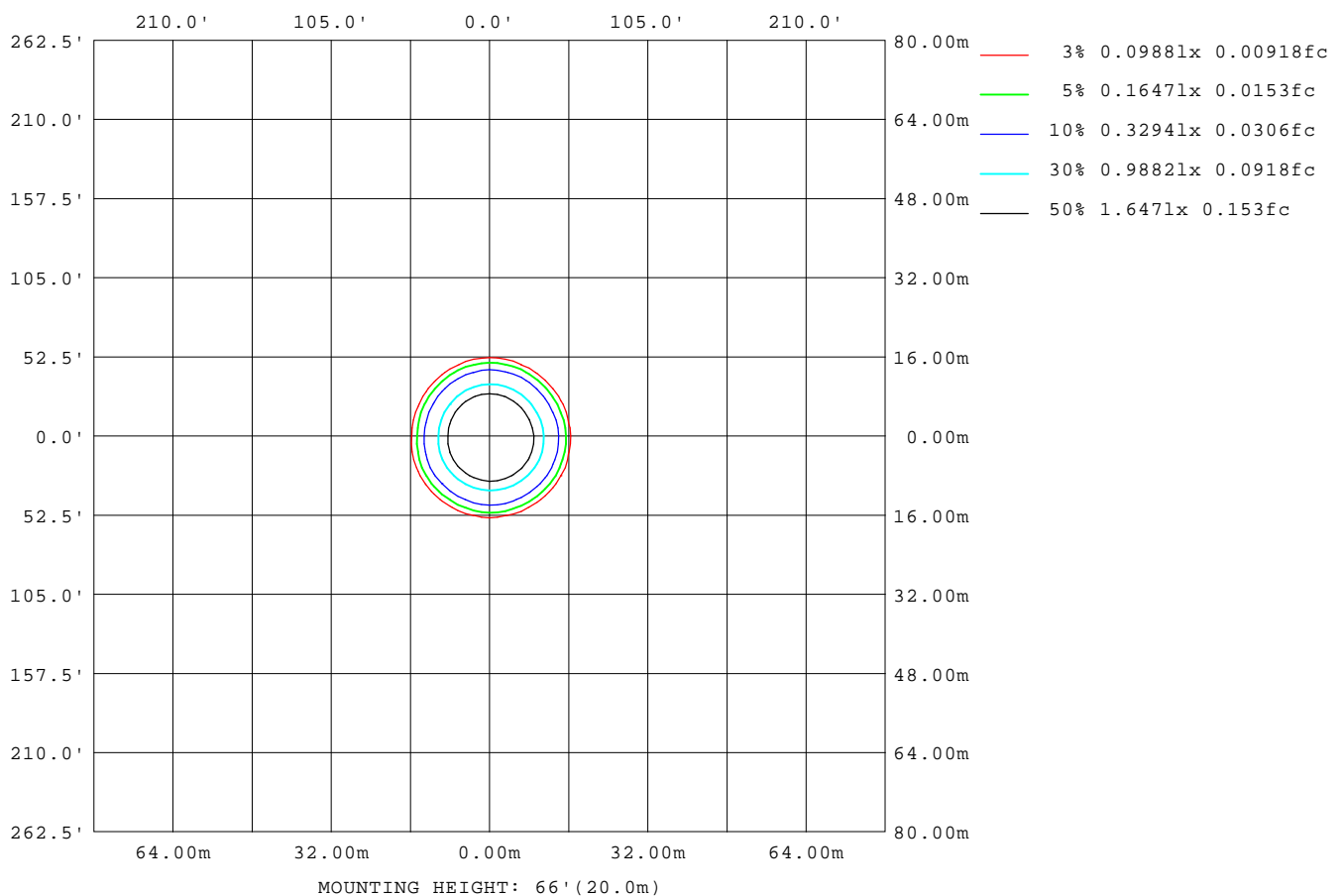
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2023-12-4

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: CLU028-1204C4-303H5M3-F1 Ra: 90  
LENS: PM-1082C 50R  
DRIVER: IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3 °C  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
30minutes warm-up

## LED Avg.L Report

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:

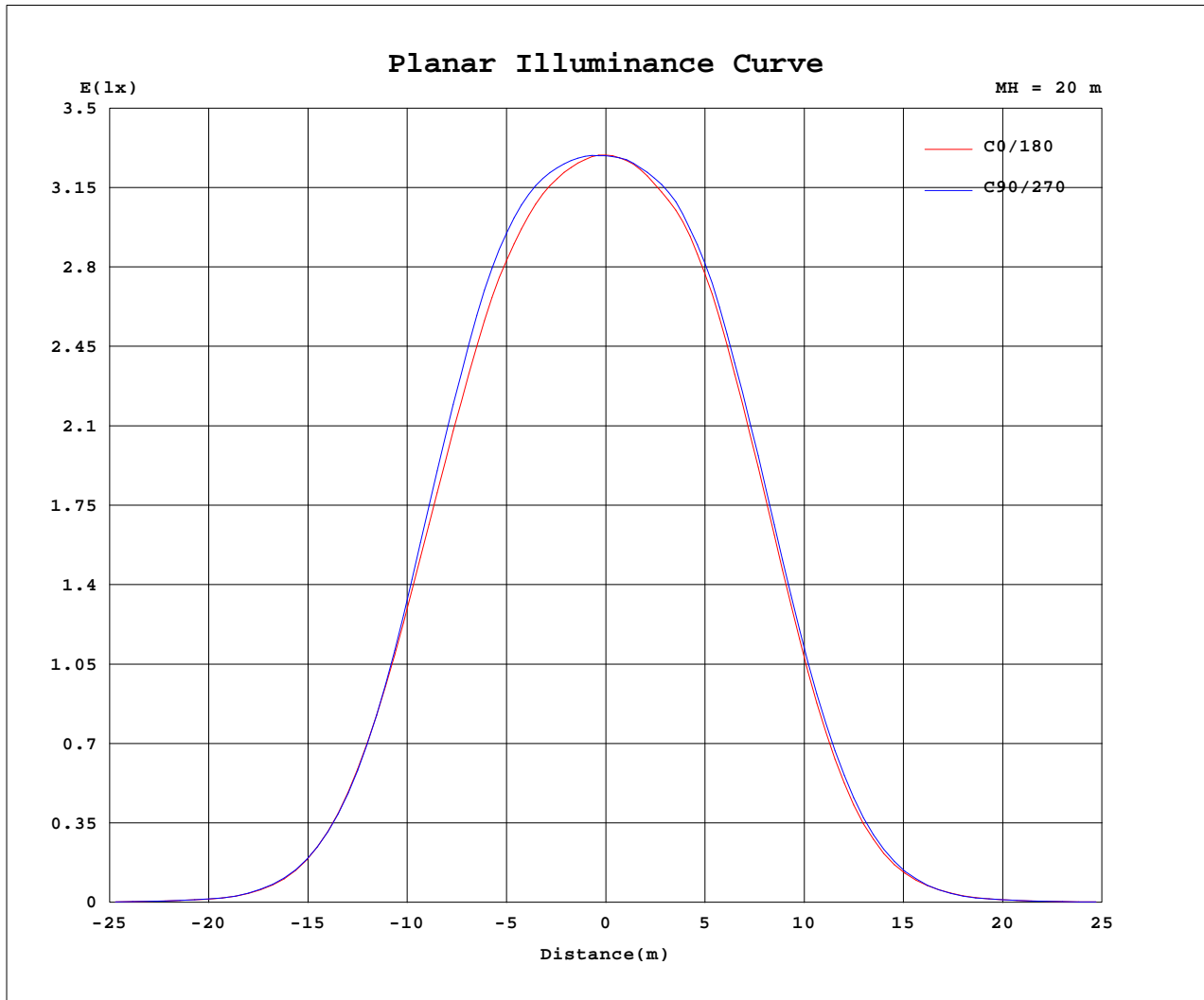
AvgL	cd/m2
L_0~180(65)av	213
L_0~180(75)av	59
L_0~180(85)av	83
L_90~270(65)av	223
L_90~270(75)av	56
L_90~270(85)av	83
L_45(65)av	213
L_45(75)av	51
L_45(85)av	64

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

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:CLU028-1204C4-303H5M3-F1 Ra:90  
LENS:PM-1082C 50R  
DRIVER:IT FIT 20/220-240/500 CS 350mA  
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: 2023-12-4

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: CLU028-1204C4-303H5M3-F1 Ra:90  
 LENS: PM-1082C 50R  
 DRIVER: IT FIT 20/220-240/500 CS 350mA  
 30minutes warm-up

## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.23V I:0.0647A P:13.827W PF:0.9681 Freq:49.99Hz Lamp Flux:1345.45x1 lm		
NAME: 2318.110-ACOT-70	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2312041417
MFR.: RISE	SUR.: 0.003737385m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317	1317						
5	1310	1316	1323	1323	1317	1311	1306	1309	1312	1310	1305	1305						
10	1288	1305	1323	1324	1302	1286	1277	1285	1298	1294	1278	1273						
15	1222	1248	1275	1278	1243	1217	1189	1197	1220	1212	1195	1191						
20	1064	1100	1124	1125	1078	1043	993	998	1024	1018	1006	1007						
25	817	857	858	853	812	775	704	698	720	728	738	752						
30	508	533	515	509	474	451	390	382	399	413	429	450						
35	227	243	230	227	205	197	158	153	161	171	179	191						
40	69.5	73.7	73.7	72.0	66.2	63.2	50.3	47.5	48.9	50.1	50.7	57.3						
45	17.8	18.4	17.3	18.2	17.6	18.0	14.6	14.2	14.2	14.5	14.5	15.4						
50	6.61	6.58	6.38	6.74	6.65	6.73	5.64	5.53	5.44	5.48	5.28	5.64						
55	2.26	2.18	2.18	2.32	2.29	2.22	1.86	1.88	1.95	1.96	1.94	1.93						
60	0.79	0.80	0.82	0.83	0.80	0.78	0.70	0.71	0.76	0.76	0.72	0.71						
65	0.36	0.36	0.36	0.36	0.35	0.34	0.31	0.31	0.34	0.34	0.32	0.32						
70	0.16	0.15	0.15	0.15	0.14	0.14	0.13	0.13	0.14	0.14	0.13	0.13						
75	0.06	0.06	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05	0.05						
80	0.04	0.04	0.03	0.04	0.04	0.04	0.04	0.03	0.03	0.04	0.03	0.03						
85	0.03	0.02	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.03	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  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2023-12-4

γ Range: 0 - 180DEG  
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