

### Luminaire Photograph



Light Output Ratio:	71.8%	
Luminaire Power:	28.61 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.60	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-9-20

$\gamma$  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: CLU038-1205C4-303H5M3-F1 CRI: 90  
LENS: PM-1083A 24R  
DRIVER: BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

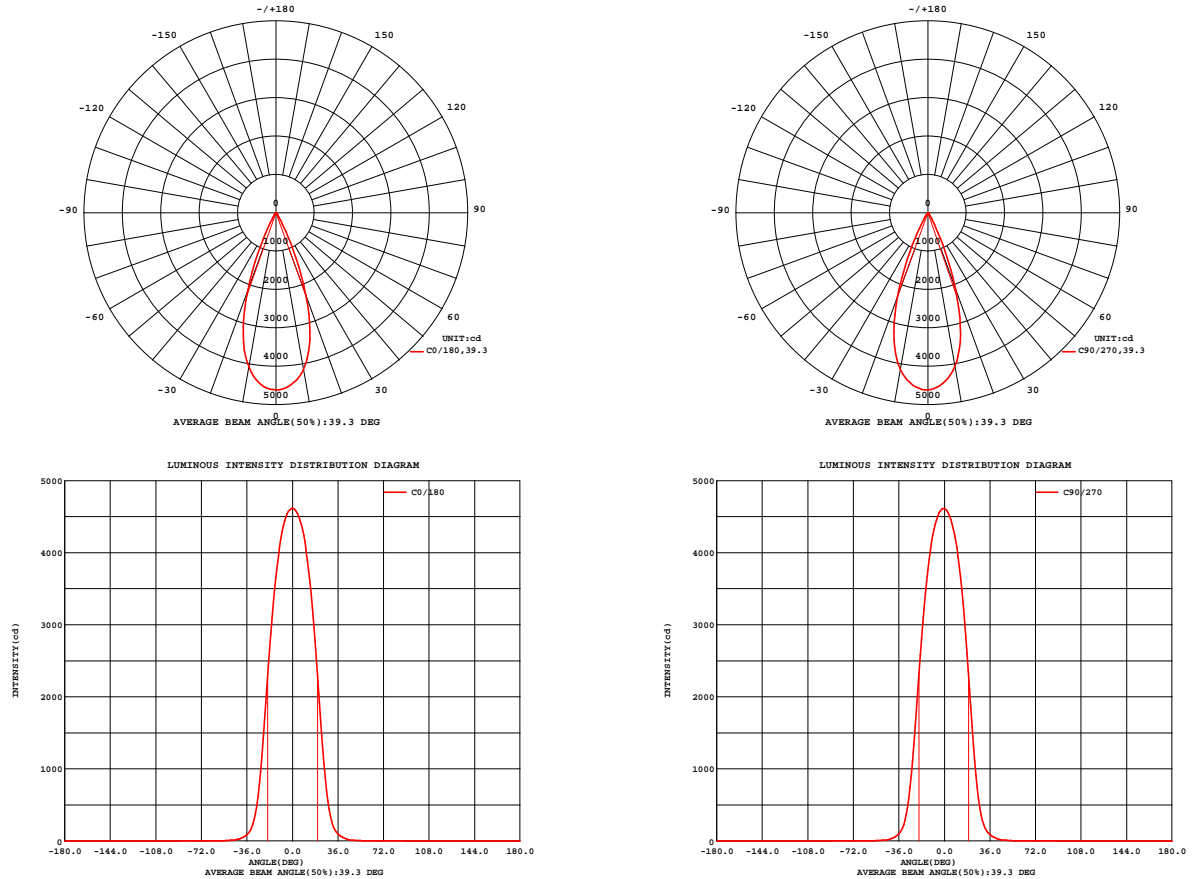


Fig. C0/C180

Fig. C90/C270

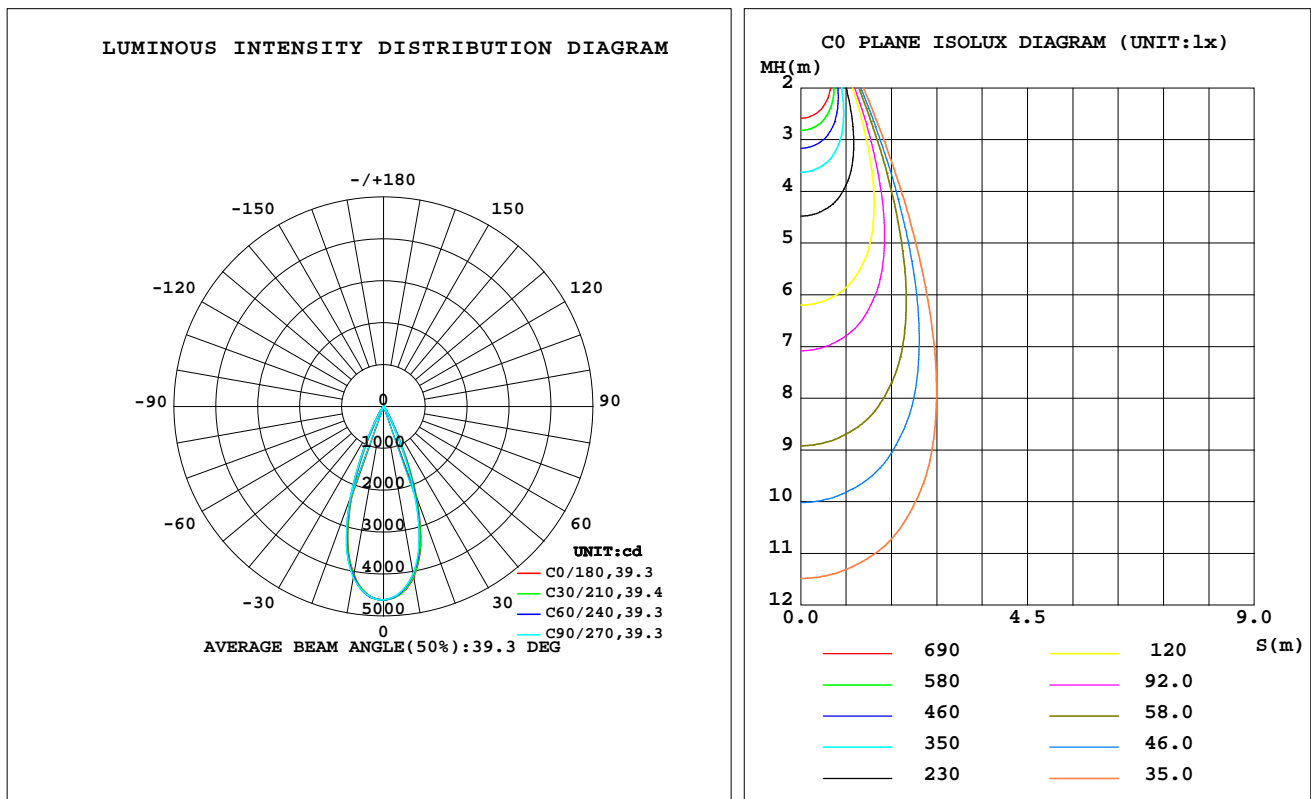
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-9-20

$\gamma$  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: CLU038-1205C4-303H5M3-F1 CRI: 90  
LENS: PM-1083A 24R  
DRIVER: BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 66.51 lm/W			
MODEL	CITIZEN	I <sub>max</sub> (cd)	4616	S/MH(C0/180)	0.59
NOMINAL POWER(W)	28	LOR(%)	71.8	S/MH(C90/270)	0.61
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	1902.5	η UP,DN(C0-180)	0.0,35.2
NOMINAL FLUX(lm)	2648.05	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.0,36.6
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220.7	η down(%)	71.8	CIBSE SHR MAX	0.60



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
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	4146	4095	4061	4013	4079	4111	4147	4110	0- 10	416.0	416.0	21.9,15.7
20	2286	2191	2097	2055	2165	2265	2330	2293	10- 20	899.9	1316	69.2,49.7
30	348.5	324.8	288.6	277.1	302.1	346.6	364.9	360.3	20- 30	483.1	1799	94.6,67.9
40	49.19	49.21	45.29	41.13	41.57	45.84	46.59	47.53	30- 40	83.39	1882	98.9,71.1
50	8.511	8.011	7.850	7.413	7.864	8.254	8.165	8.447	40- 50	14.89	1897	99.7,71.6
60	2.242	2.156	2.132	2.048	1.993	2.053	2.117	2.168	50- 60	3.724	1901	99.9,71.8
70	0.4882	0.4365	0.4227	0.4064	0.4333	0.4672	0.5033	0.4931	60- 70	1.168	1902	100,71.8
80	0.1612	0.1342	0.1452	0.1323	0.1491	0.1392	0.1562	0.1425	70- 80	0.2466	1902	100,71.8
90	0	0	0	0	0	0	0	0	80- 90	0.0887	1903	100,71.8
100	0	0	0	0	0	0	0	0	90-100	0	1903	100,71.8
110	0	0	0	0	0	0	0	0	100-110	0	1903	100,71.8
120	0	0	0	0	0	0	0	0	110-120	0	1903	100,71.8
130	0	0	0	0	0	0	0	0	120-130	0	1903	100,71.8
140	0	0	0	0	0	0	0	0	130-140	0	1903	100,71.8
150	0	0	0	0	0	0	0	0	140-150	0	1903	100,71.8
160	0	0	0	0	0	0	0	0	150-160	0	1903	100,71.8
170	0	0	0	0	0	0	0	0	160-170	0	1903	100,71.8
180	0	0	0	0	0	0	0	0	170-180	0	1903	100,71.8
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

$\gamma$  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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz  
Lamp Flux:2648.05x1 lm

NAME: 2318.165-ACOT-72

TYPE:

WEIGHT:

SPEC.: 3000K

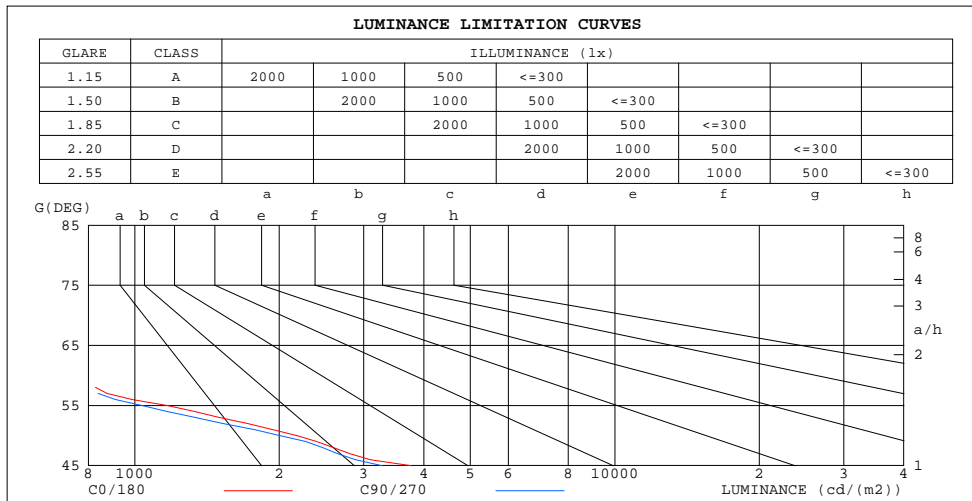
DIM.:

SERIAL No.: 2409201203

MFR.: RISE

SUR.: 0.00607904m2

Shielding Angle:



LUMINANCE cd/(m2)		
G(180)	C0/180	C90/270
85	192	166
80	153	138
75	149	136
70	235	203
65	468	433
60	738	702
55	1170	1036
50	2178	2009
45	3770	3279

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

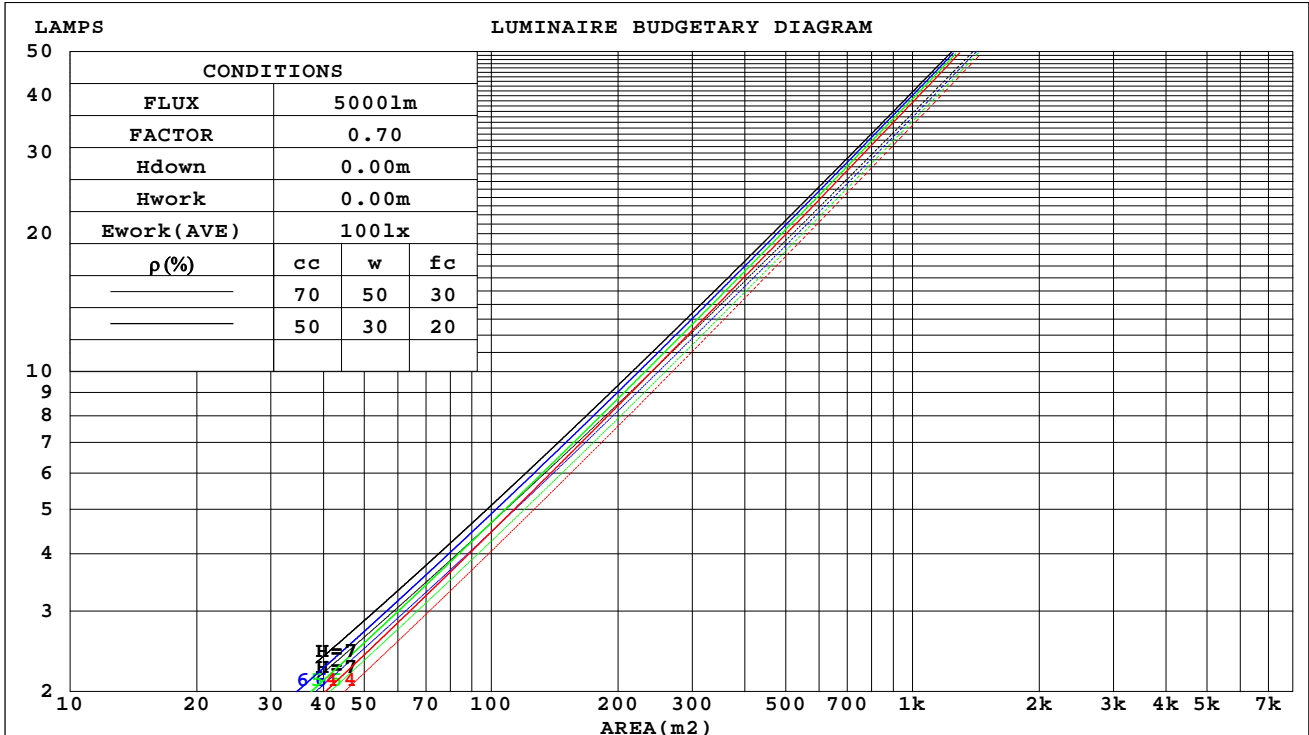
γ Range: 0 - 180DEG  
γ Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.00.461  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz  
Lamp Flux:2648.05x1 lm

NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

pcc	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															



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

### WEC AND CCEC

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	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	.106	.060	.019	.101	.058	.018	.092	.053	.017	.084	.048	.016	.076	.044	.014		
2.0	.099	.054	.017	.095	.052	.016	.088	.049	.015	.081	.045	.014	.075	.042	.013		
3.0	.093	.050	.015	.090	.048	.014	.084	.045	.014	.078	.043	.013	.073	.040	.012		
4.0	.088	.046	.013	.085	.045	.013	.080	.042	.013	.075	.040	.012	.070	.038	.012		
5.0	.083	.042	.012	.081	.042	.012	.076	.040	.012	.072	.038	.011	.068	.036	.011		
6.0	.079	.040	.011	.077	.039	.011	.073	.038	.011	.070	.036	.011	.066	.035	.010		
7.0	.076	.037	.011	.074	.037	.010	.070	.036	.010	.067	.034	.010	.064	.033	.010		
8.0	.072	.035	.010	.071	.035	.010	.068	.034	.010	.065	.033	.009	.062	.032	.009		
9.0	.070	.034	.009	.068	.033	.009	.065	.032	.009	.063	.032	.009	.061	.031	.009		
10.0	.067	.032	.009	.066	.032	.009	.063	.031	.009	.061	.030	.009	.059	.030	.008		

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	.137	.137	.137	.117	.117	.117	.080	.080	.080	.046	.046	.046	.015	.015	.015	
1.0	.121	.113	.106	.104	.097	.091	.071	.067	.063	.041	.039	.037	.013	.012	.012	
2.0	.109	.095	.084	.093	.082	.072	.064	.057	.051	.037	.033	.030	.012	.011	.010	
3.0	.099	.081	.068	.085	.070	.059	.058	.049	.041	.034	.029	.024	.011	.009	.008	
4.0	.090	.071	.055	.077	.061	.048	.053	.042	.034	.031	.025	.020	.010	.008	.007	
5.0	.083	.062	.046	.071	.053	.040	.049	.037	.028	.028	.022	.017	.009	.007	.006	
6.0	.077	.055	.039	.066	.047	.034	.046	.033	.024	.027	.020	.014	.009	.006	.005	
7.0	.072	.049	.033	.062	.043	.029	.043	.030	.020	.025	.018	.012	.008	.006	.004	
8.0	.068	.044	.028	.058	.038	.025	.040	.027	.018	.023	.016	.010	.008	.005	.003	
9.0	.064	.040	.025	.055	.035	.022	.038	.025	.015	.022	.015	.009	.007	.005	.003	
10.0	.060	.037	.022	.052	.032	.019	.036	.023	.013	.021	.013	.008	.007	.004	.003	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## UGR(Unified Glare Rating) Table

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm										
NAME: 2318.165-ACOT-72					TYPE:			WEIGHT:		
SPEC.: 3000K					DIM.:			SERIAL No.: 2409201203		
MFR.: RISE					SUR.: 0.00607904m2			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	6.1	6.9	6.3	7.0	7.2	5.4	6.2	5.6	6.3	6.5
3H	6.0	6.7	6.2	6.9	7.0	5.3	6.0	5.5	6.1	6.3
4H	5.9	6.5	6.2	6.8	7.0	5.2	5.8	5.5	6.1	6.3
6H	5.8	6.4	6.1	6.7	6.9	5.1	5.7	5.4	6.0	6.2
8H	5.8	6.4	6.1	6.6	6.9	5.1	5.7	5.4	5.9	6.2
12H	5.7	6.3	6.0	6.6	6.8	5.0	5.6	5.3	5.9	6.1
4H 2H	5.9	6.6	6.2	6.8	7.0	5.2	5.9	5.5	6.1	6.3
3H	5.7	6.3	6.1	6.6	6.8	5.0	5.6	5.4	5.9	6.1
4H	5.6	6.2	6.0	6.5	6.8	5.0	5.5	5.3	5.8	6.1
6H	5.5	6.0	5.9	6.3	6.7	4.9	5.3	5.2	5.6	6.0
8H	5.5	5.9	5.9	6.3	6.6	4.8	5.2	5.2	5.6	5.9
12H	5.4	5.8	5.8	6.2	6.6	4.7	5.1	5.2	5.5	5.9
8H 4H	5.5	5.9	5.9	6.3	6.6	4.8	5.2	5.2	5.6	5.9
6H	5.4	5.7	5.8	6.1	6.5	4.7	5.0	5.1	5.4	5.8
8H	5.3	5.6	5.8	6.1	6.5	4.6	4.9	5.1	5.4	5.8
12H	5.3	5.5	5.7	6.0	6.4	4.6	4.8	5.0	5.3	5.7
12H 4H	5.4	5.8	5.8	6.2	6.6	4.7	5.1	5.1	5.5	5.9
6H	5.3	5.6	5.8	6.1	6.5	4.6	4.9	5.1	5.4	5.8
8H	5.3	5.5	5.7	6.0	6.4	4.6	4.8	5.0	5.3	5.7
Variations with the observer position at spacings(CIE Pub.117):										
S = 1.0H	+ 3.7 / -11.4					+ 3.5 / -11.1				
1.5H	+ 6.1 / - 9.0					+ 5.9 / - 9.2				
2.0H	+ 5.5 / - 5.3					+ 4.9 / - 5.1				

CIE Pub.117, 2648 lm Total Lamp Luminous Flux Correct (8log(F/F0) = 3.4)  
Area: 0.00607904 m2

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

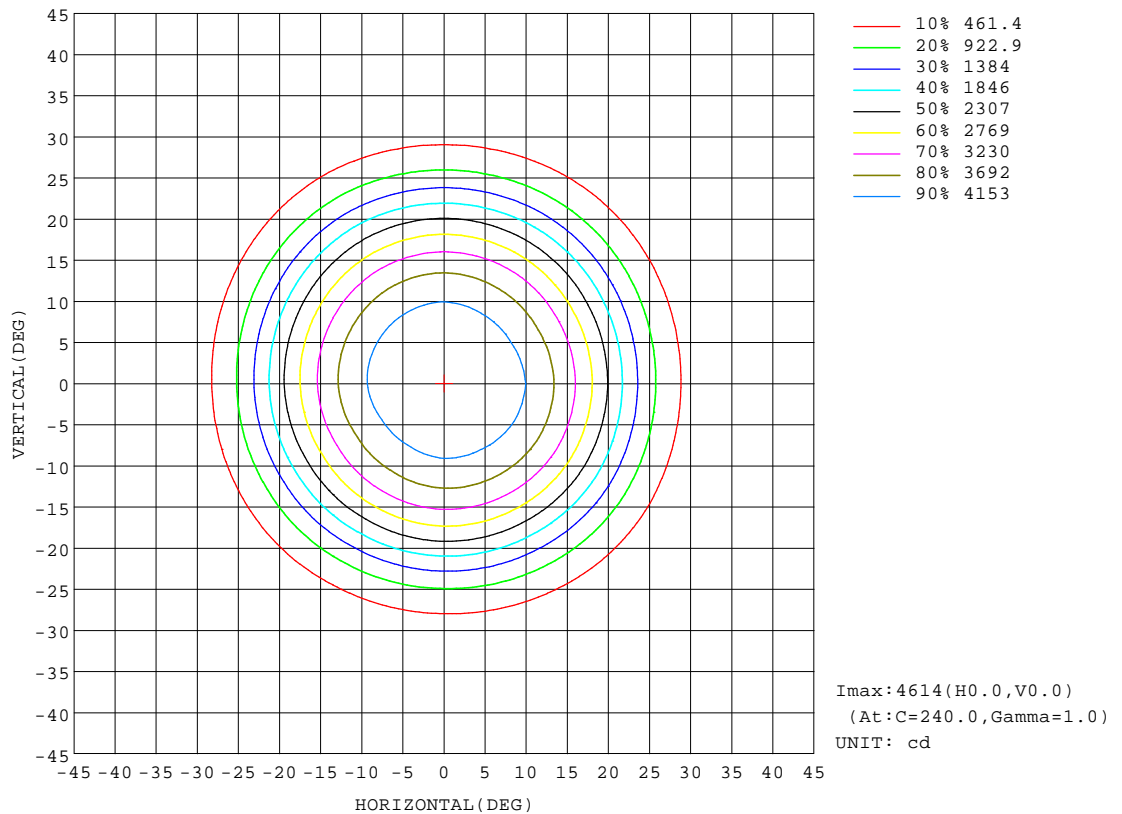
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	65	61	59	65	61	59	64	61	59	56
0.80	70	67	64	70	66	64	69	66	64	61
1.00	73	69	67	72	69	67	71	69	67	64
1.25	76	72	70	75	72	70	74	71	69	66
1.50	77	74	72	76	74	72	75	73	71	68
2.00	79	76	74	78	75	74	76	74	72	69
2.50	80	77	76	79	77	75	77	75	74	69
3.00	81	79	77	80	78	76	77	76	75	70
4.00	82	80	79	81	79	78	78	77	76	71
5.00	83	82	81	82	80	79	79	78	77	72
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:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

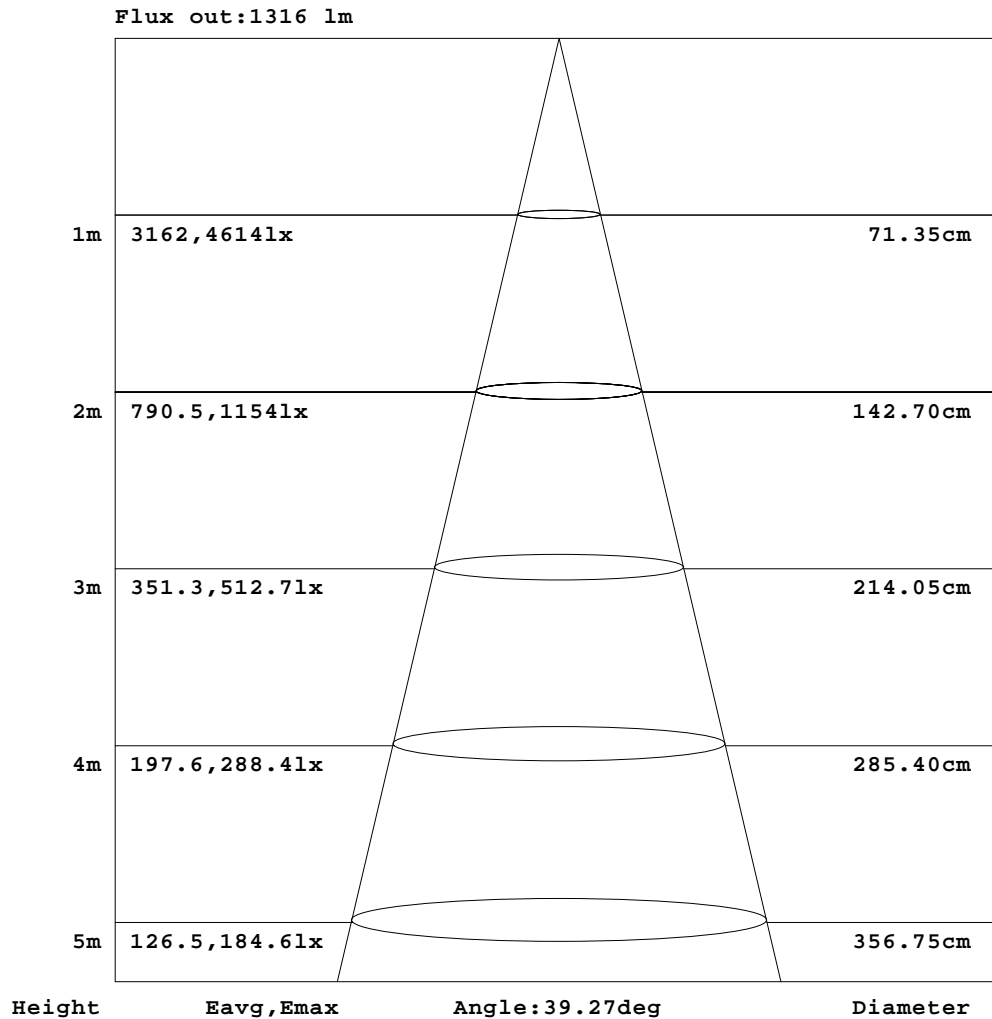


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## AAI Figure

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:



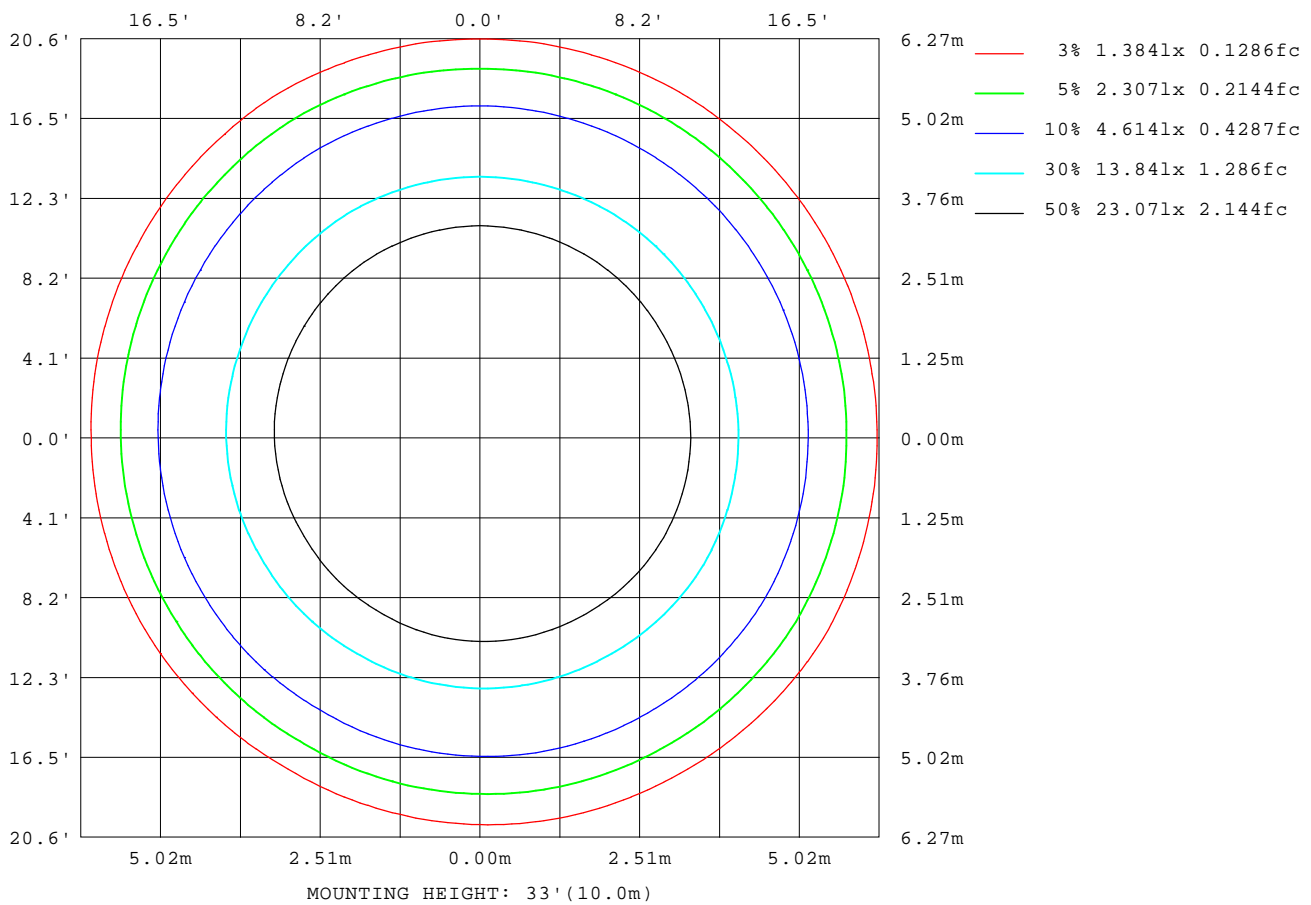
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3 °C  
Operators: zoe  
Test Date: 2024-9-20

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: CLU038-1205C4-303H5M3-F1 CRI: 90  
LENS: PM-1083A 24R  
DRIVER: BK-PBL040E-A1000AS 700mA  
30minutes warm-up

### LED Avg.L Report

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

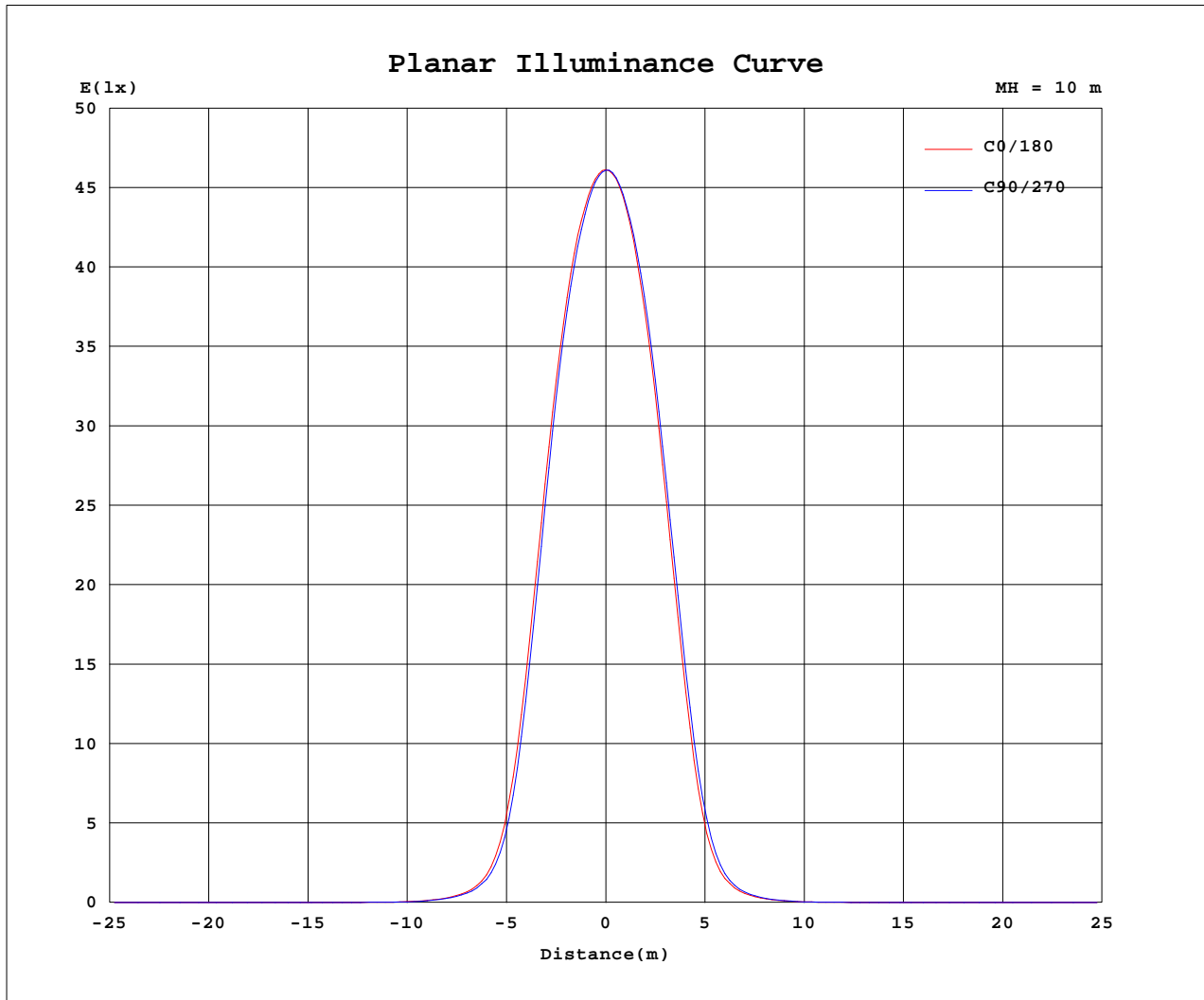
AvgL	cd/m2
L_0~180(65)av	444
L_0~180(75)av	145
L_0~180(85)av	180
L_90~270(65)av	446
L_90~270(75)av	138
L_90~270(85)av	175
L_45(65)av	440
L_45(75)av	132
L_45(85)av	138

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
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: 2024-9-20

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: CLU038-1205C4-303H5M3-F1 CRI: 90  
 LENS: PM-1083A 24R  
 DRIVER: BK-PBL040E-A1000AS 700mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.10V I:0.1330A P:28.606W PF:0.9747 Freq:49.99Hz Lamp Flux:2648.05x1 lm		
NAME: 2318.165-ACOT-72	TYPE:	WEIGHT:
SPEC.: 3000K	DIM.:	SERIAL No.: 2409201203
MFR.: RISE	SUR.: 0.00607904m2	Shielding Angle:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4614	4614	4613	4611	4609	4609	4614	4614	4613	4611	4609	4609						
5	4500	4499	4479	4464	4455	4464	4493	4505	4521	4510	4497	4503						
10	4146	4117	4072	4061	4013	4012	4079	4098	4123	4147	4116	4105						
15	3425	3394	3330	3294	3238	3228	3312	3357	3409	3429	3410	3389						
20	2286	2239	2144	2097	2044	2066	2165	2229	2301	2330	2306	2280						
25	1063	1039	956	909	882	898	961	1029	1103	1114	1104	1079						
30	348	341	309	289	272	282	302	330	364	365	364	357						
35	123	124	115	109	101	102	105	112	123	122	123	123						
40	49.2	50.3	48.1	45.3	41.7	40.6	41.6	44.1	47.6	46.6	47.0	48.1						
45	16.2	15.5	14.8	14.1	13.3	12.9	14.0	15.0	16.1	15.7	15.9	16.1						
50	8.51	7.99	8.04	7.85	7.56	7.27	7.86	8.06	8.45	8.16	8.47	8.42						
55	4.08	3.94	3.57	3.61	3.47	3.56	3.56	3.45	3.82	3.93	3.99	4.05						
60	2.24	2.18	2.14	2.13	2.08	2.01	1.99	2.02	2.08	2.12	2.13	2.20						
65	1.20	1.15	1.11	1.11	1.08	1.06	1.08	1.11	1.16	1.18	1.19	1.20						
70	0.49	0.45	0.42	0.42	0.41	0.41	0.43	0.45	0.48	0.50	0.50	0.49						
75	0.23	0.21	0.21	0.21	0.21	0.20	0.22	0.21	0.21	0.22	0.21	0.22						
80	0.16	0.14	0.13	0.15	0.13	0.13	0.15	0.14	0.14	0.16	0.14	0.14						
85	0.10	0.07	0.08	0.09	0.07	0.07	0.09	0.07	0.08	0.10	0.08	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  
Test Speed: HIGH  
Temperature:25.3℃  
Operators:zoe  
Test Date:2024-9-20

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:CLU038-1205C4-303H5M3-F1 CRI:90  
LENS:PM-1083A 24R  
DRIVER:BK-PBL040E-A1000AS 700mA  
30minutes warm-up