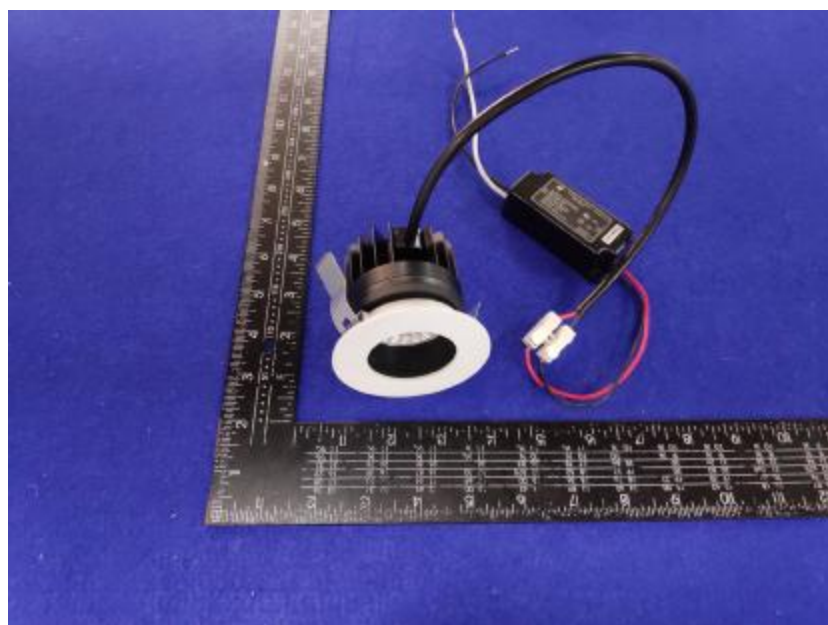


## Luminaire Photograph



Light Output Ratio:	43.1%	
Luminaire Power:	10.37 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.65	fine grid method.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: GUO  
Test Date: 2019-10-14

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CLU028-1202C4-303H5M3-F1 Ra:90  
LENS: PM-1035B 30R+CLEAR GLASS  
DRIVER: LP12W-48-C0250 250mA  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

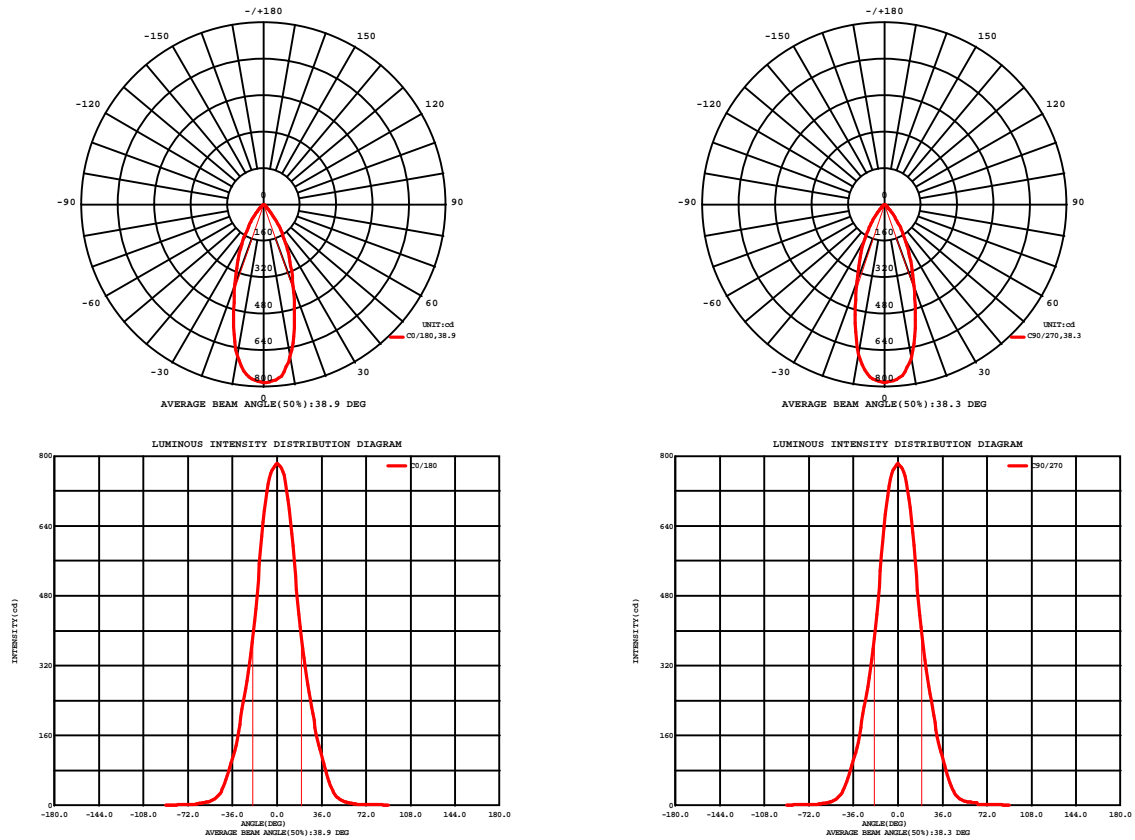


Fig. C0/C180

Fig. C90/C270

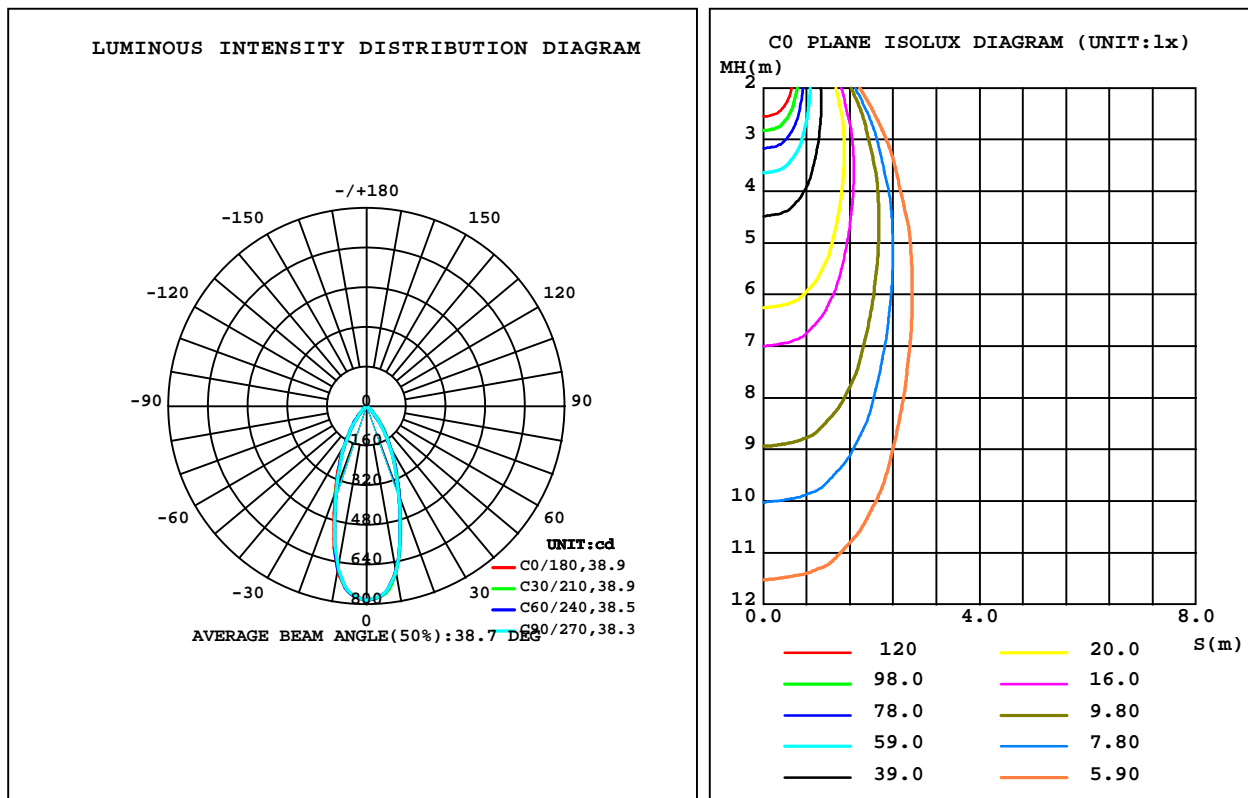
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: GUO  
Test Date: 2019-10-14

Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity: 65.0%  
Test Distance: 3.160m [K=1.0000]  
Remarks: LAMP: CLU028-1202C4-303H5M3-F1 Ra: 90  
LENS: PM-1035B 30R+CLEAR GLASS  
DRIVER: LP12W-48-C0250 250mA  
30minutes warm-up

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 43.82 lm/W			
MODEL	CITIZEN	I <sub>max</sub> (cd)	782.5	S/MH(C0/180)	0.62
NOMINAL POWER(W)	10	LOR(%)	43.1	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	454.59	h UP,DN(C0-180)	0.0,22.1
NOMINAL FLUX(lm)	1055.1	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,21.0
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	220	h down(%)	43.1	CIBSE SHR MAX	0.65



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

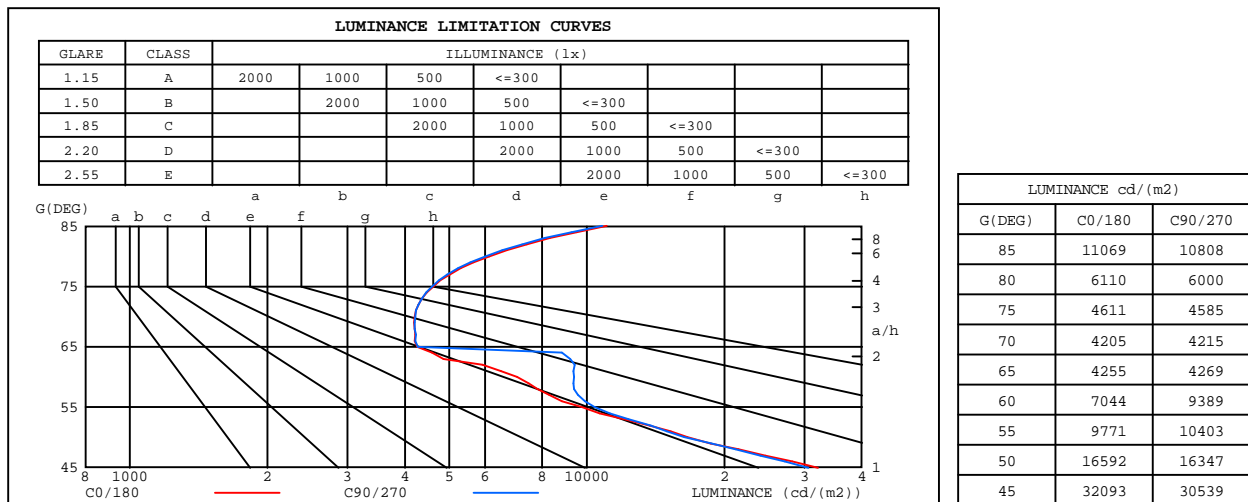
g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	677.4	681.5	682.2	680.7	674.3	670.3	666.0	669.3	0- 10	69.91	69.91	15.4,6.63
20	383.1	388.7	382.2	378.7	372.3	361.6	358.2	368.1	10- 20	142.9	212.9	46.8,20.2
30	195.1	197.6	189.8	189.0	185.3	179.1	177.6	184.2	20- 30	123.8	336.6	74,31.9
40	73.90	74.70	69.88	69.34	67.67	64.32	63.55	66.91	30- 40	75.23	411.8	90.6,39
50	16.20	18.21	15.97	16.74	15.68	14.72	13.97	14.85	40- 50	27.22	439.1	96.6,41.6
60	5.349	7.718	7.135	8.012	6.199	5.434	4.970	4.820	50- 60	8.737	447.8	98.5,42.4
70	2.184	2.187	2.191	2.143	2.137	2.173	2.146	2.135	60- 70	3.567	451.4	99.3,42.8
80	1.611	1.619	1.583	1.517	1.491	1.532	1.573	1.575	70- 80	1.908	453.3	99.7,43
90	0.0107	0.0078	0.0113	0.1049	0.1519	0.0830	0.0098	0.0055	80- 90	1.314	454.6	100,43.1
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

## LUMINANCE LIMITATION CURVES

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:



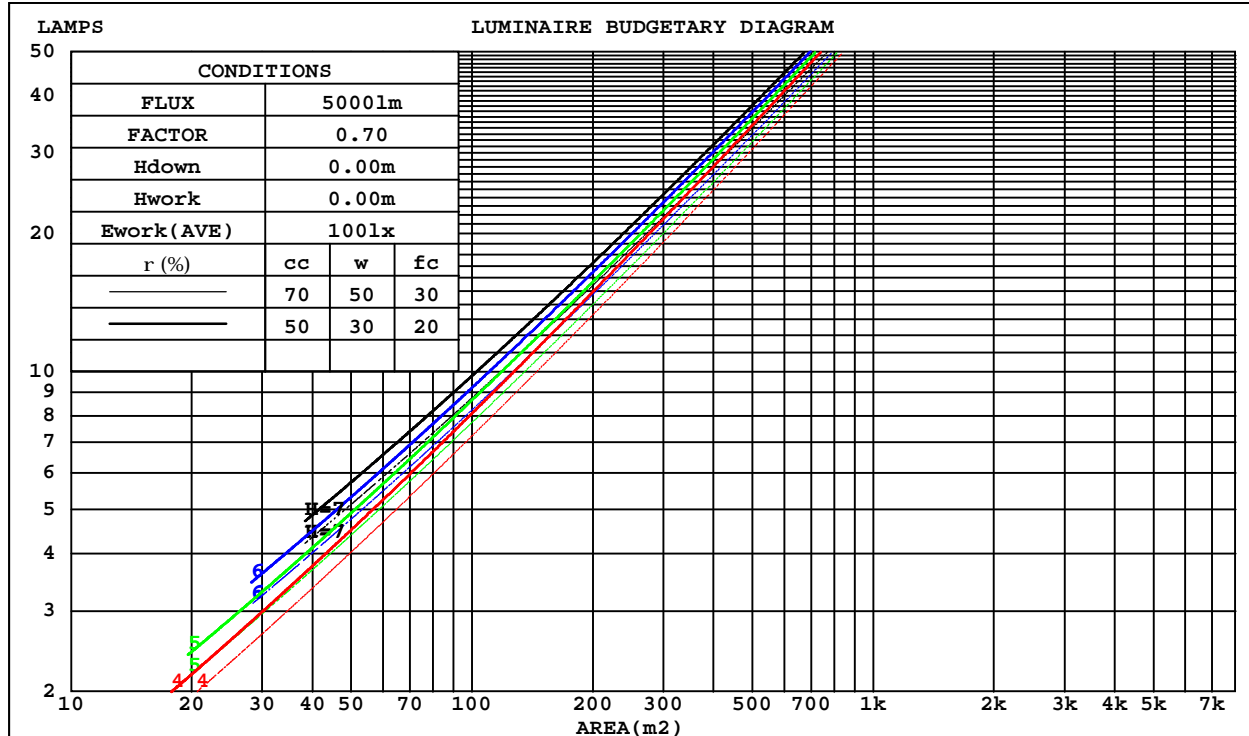
C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:GUO  
 Test Date:2019-10-14

G Range: 0 - 90DEG  
 G Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.160m [K=1.0000]  
 Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
 LENS:PM-1035B 30R+CLEAR GLASS  
 DRIVER:LP12W-48-C0250 250mA  
 30minutes warm-up

## CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.51	.51	.51	.50	.50	.50	.48	.48	.48	.46	.46	.46	.44	.44	.44	.43
1.0	.48	.47	.46	.47	.46	.45	.45	.44	.44	.43	.43	.42	.42	.42	.41	.40
2.0	.45	.43	.41	.44	.42	.41	.42	.41	.40	.41	.40	.39	.40	.39	.38	.38
3.0	.42	.40	.38	.41	.39	.38	.40	.38	.37	.39	.38	.36	.38	.37	.36	.35
4.0	.39	.37	.35	.39	.36	.35	.38	.36	.34	.37	.35	.34	.36	.35	.34	.33
5.0	.37	.34	.33	.36	.34	.32	.36	.34	.32	.35	.33	.32	.34	.33	.32	.31
6.0	.35	.32	.30	.34	.32	.30	.34	.32	.30	.33	.31	.30	.33	.31	.30	.29
7.0	.33	.30	.29	.33	.30	.29	.32	.30	.28	.31	.30	.28	.31	.29	.28	.27
8.0	.31	.29	.27	.31	.29	.27	.30	.28	.27	.30	.28	.27	.30	.28	.27	.26
9.0	.30	.27	.26	.29	.27	.25	.29	.27	.25	.29	.27	.25	.28	.26	.25	.25
10.0	.28	.26	.24	.28	.26	.24	.28	.26	.24	.27	.25	.24	.27	.25	.24	.23



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

### WEC AND CCEC

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.076	.043	.014	.074	.042	.013	.068	.039	.012	.063	.036	.012	.058	.034	.011	
2.0	.072	.040	.012	.070	.039	.012	.065	.036	.011	.061	.034	.011	.057	.032	.010	
3.0	.069	.036	.011	.067	.036	.011	.063	.034	.010	.059	.032	.010	.056	.031	.010	
4.0	.065	.034	.010	.063	.033	.010	.060	.032	.009	.057	.030	.009	.054	.029	.009	
5.0	.062	.031	.009	.060	.031	.009	.057	.030	.009	.055	.029	.009	.052	.028	.008	
6.0	.059	.029	.008	.057	.029	.008	.055	.028	.008	.052	.027	.008	.050	.026	.008	
7.0	.056	.028	.008	.055	.027	.008	.052	.027	.008	.050	.026	.008	.048	.025	.007	
8.0	.053	.026	.007	.052	.026	.007	.050	.025	.007	.048	.025	.007	.047	.024	.007	
9.0	.051	.025	.007	.050	.024	.007	.048	.024	.007	.047	.023	.007	.045	.023	.007	
10.0	.049	.023	.007	.048	.023	.006	.046	.023	.006	.045	.022	.006	.043	.022	.006	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.082	.082	.082	.070	.070	.070	.048	.048	.048	.028	.028	.028	.009	.009	.009	
1.0	.074	.068	.062	.063	.058	.054	.043	.040	.037	.025	.023	.022	.008	.007	.007	
2.0	.067	.057	.049	.057	.049	.042	.039	.034	.029	.023	.020	.017	.007	.006	.006	
3.0	.062	.049	.039	.053	.042	.034	.036	.029	.024	.021	.017	.014	.007	.006	.005	
4.0	.057	.043	.031	.049	.037	.027	.034	.026	.019	.020	.015	.011	.006	.005	.004	
5.0	.053	.038	.026	.046	.032	.023	.032	.023	.016	.018	.013	.009	.006	.004	.003	
6.0	.050	.033	.022	.043	.029	.019	.030	.020	.013	.017	.012	.008	.006	.004	.003	
7.0	.047	.030	.018	.041	.026	.016	.028	.018	.011	.016	.011	.007	.005	.004	.002	
8.0	.045	.027	.016	.038	.024	.014	.027	.017	.010	.015	.010	.006	.005	.003	.002	
9.0	.042	.025	.014	.036	.022	.012	.025	.015	.008	.015	.009	.005	.005	.003	.002	
10.0	.040	.023	.012	.035	.020	.010	.024	.014	.007	.014	.008	.004	.005	.003	.001	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

UGR(Unified Glare Rating) Table

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm										
NAME: 1618.116					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:191014001		
MFR.: RISE					SUR.:0.00151976m2			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	19.9	20.8	20.1	21.0	21.1	19.7	20.6	19.9	20.8	20.9
3H	19.8	20.6	20.0	20.8	21.0	19.6	20.4	19.8	20.6	20.8
4H	19.7	20.5	20.0	20.8	21.0	19.5	20.3	19.8	20.6	20.8
6H	19.7	20.5	20.0	20.7	21.0	19.5	20.3	19.8	20.5	20.8
8H	19.7	20.5	20.1	20.7	21.0	19.5	20.3	19.9	20.5	20.8
12H	19.8	20.5	20.1	20.8	21.0	19.6	20.3	19.9	20.6	20.8
4H 2H	19.7	20.5	20.0	20.7	21.0	19.5	20.3	19.8	20.5	20.8
3H	19.6	20.3	20.0	20.6	20.9	19.4	20.1	19.8	20.4	20.7
4H	19.6	20.3	20.0	20.5	20.9	19.4	20.1	19.8	20.4	20.7
6H	19.7	20.2	20.0	20.6	20.9	19.5	20.0	19.8	20.4	20.7
8H	19.7	20.2	20.1	20.6	21.0	19.5	20.0	19.9	20.4	20.8
12H	19.8	20.3	20.3	20.7	21.1	19.7	20.1	20.1	20.5	20.9
8H 4H	19.5	20.0	19.9	20.4	20.8	19.3	19.9	19.7	20.2	20.6
6H	19.6	20.1	20.1	20.4	20.9	19.4	19.9	19.9	20.3	20.7
8H	19.8	20.1	20.2	20.5	21.0	19.6	19.9	20.0	20.4	20.8
12H	20.0	20.3	20.5	20.8	21.2	19.8	20.1	20.3	20.6	21.0
12H 4H	19.5	20.0	19.9	20.3	20.7	19.3	19.8	19.7	20.1	20.5
6H	19.6	20.0	20.1	20.4	20.9	19.4	19.8	19.9	20.2	20.7
8H	19.8	20.1	20.3	20.5	21.0	19.6	19.9	20.1	20.4	20.8
Variations with the observer position at spacings:										
S = 1.0H	+ 2.3 / - 4.5					+ 2.3 / - 4.1				
1.5H	+ 4.0 / - 3.6					+ 4.1 / - 3.3				
2.0H	+ 3.5 / - 2.3					+ 3.3 / - 1.6				

CIE Pub.117, 1055 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 0.2$ )

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up



### UTILIZATION FACTORS TABLE

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

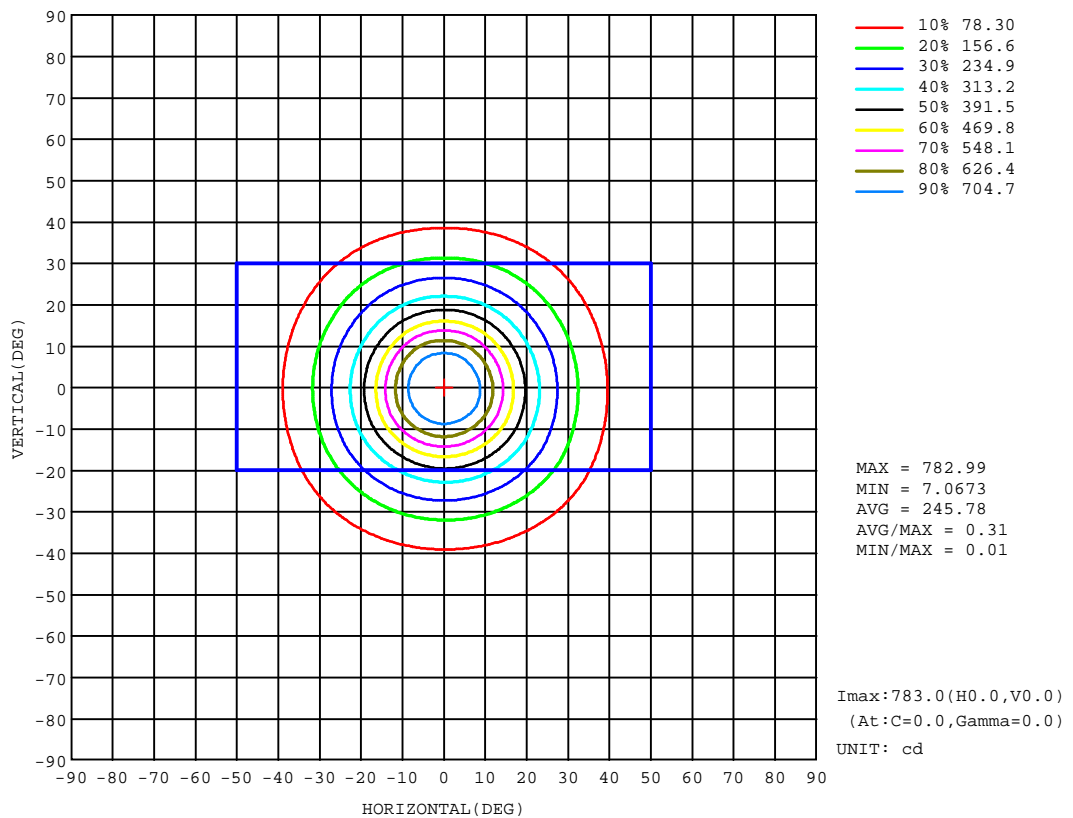
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	37	34	32	37	34	32	36	34	32	31
0.80	40	38	36	40	37	36	39	37	36	34
1.00	42	40	38	42	40	38	41	39	38	36
1.25	44	42	40	44	41	40	43	41	40	38
1.50	45	43	42	45	43	41	44	42	41	39
2.00	47	45	43	46	44	43	45	43	42	40
2.50	47	46	44	47	45	44	45	44	43	40
3.00	48	46	45	47	46	45	46	45	44	41
4.00	49	48	47	48	47	46	46	46	45	42
5.00	49	48	48	48	48	47	47	46	46	42
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:25.3DEG  
 Operators:GUO  
 Test Date:2019-10-14

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65.0%  
 Test Distance:3.160m [K=1.0000]  
 Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
 LENS:PM-1035B 30R+CLEAR GLASS  
 DRIVER:LP12W-48-C0250 250mA  
 30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

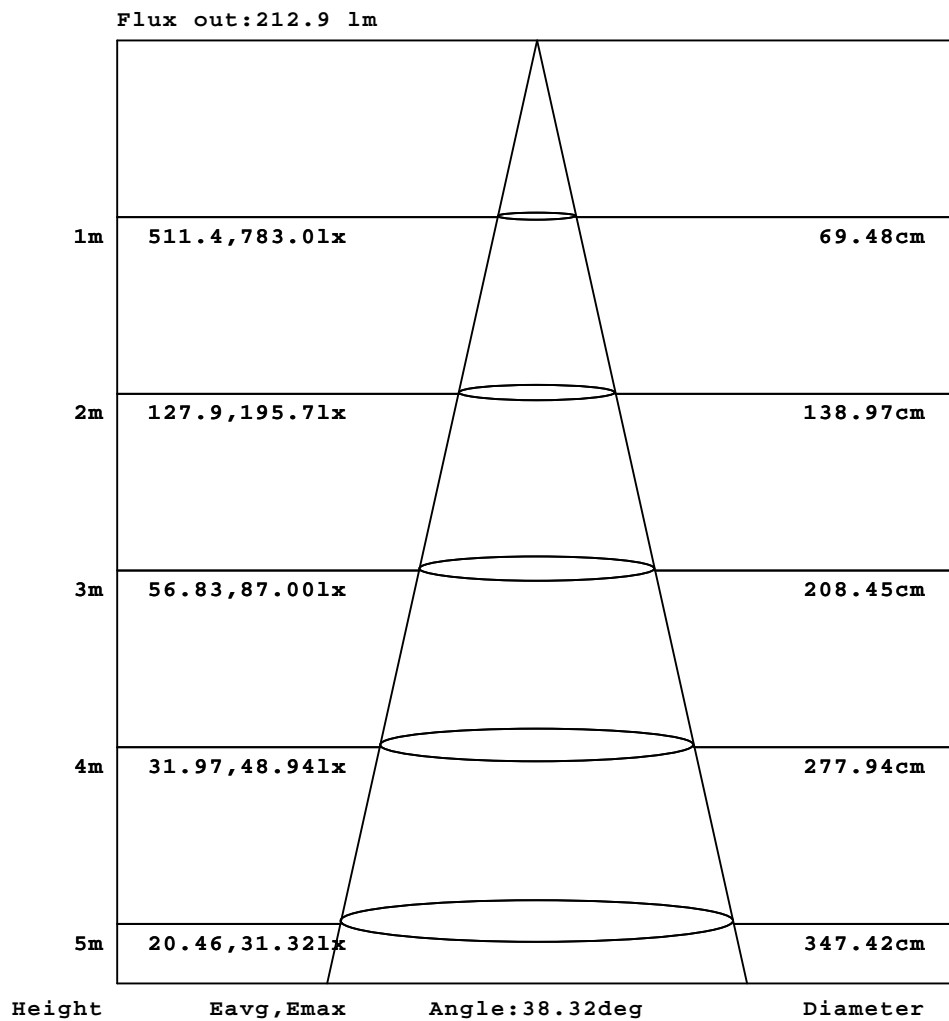


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

## AAI Figure

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:



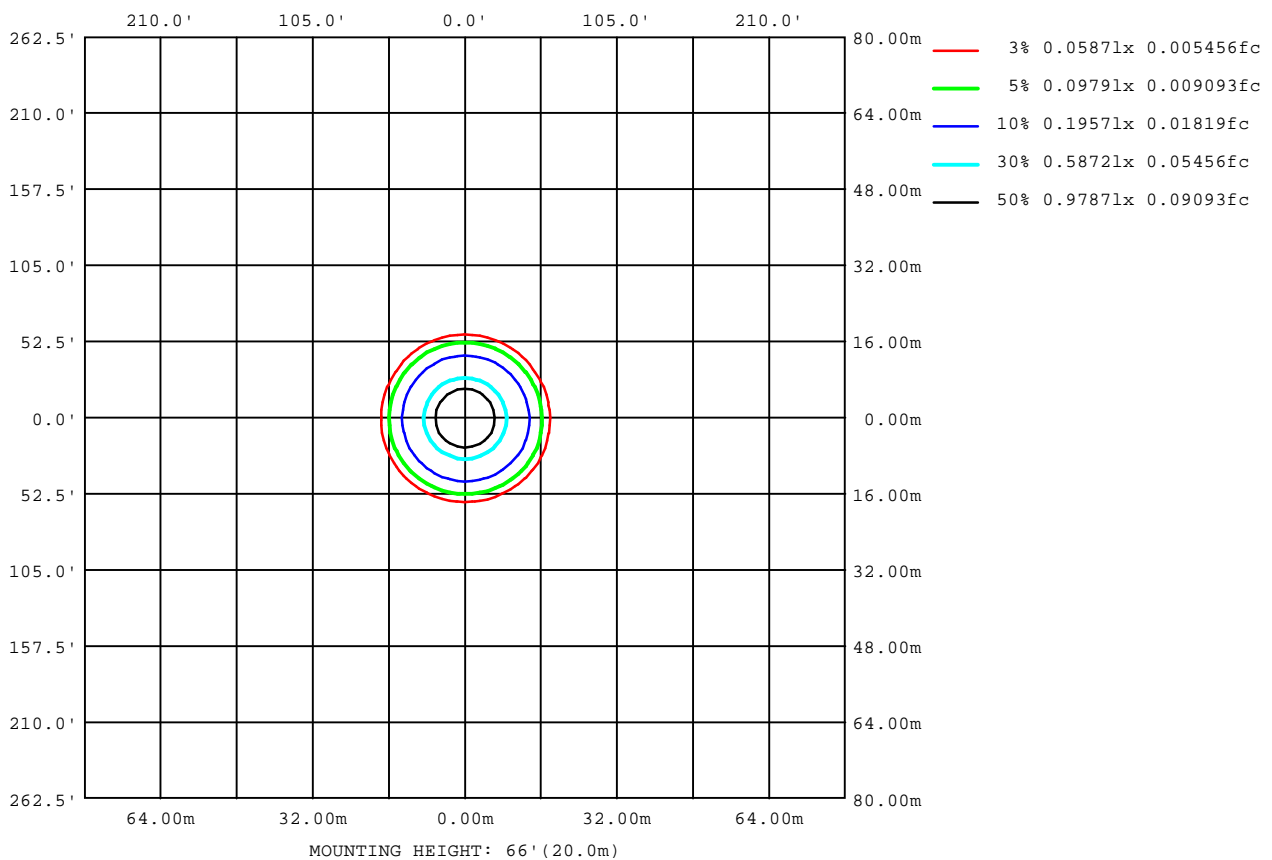
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

## ISOLUX DIAGRAM

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

## LED Avg.L Report

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1x1 lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

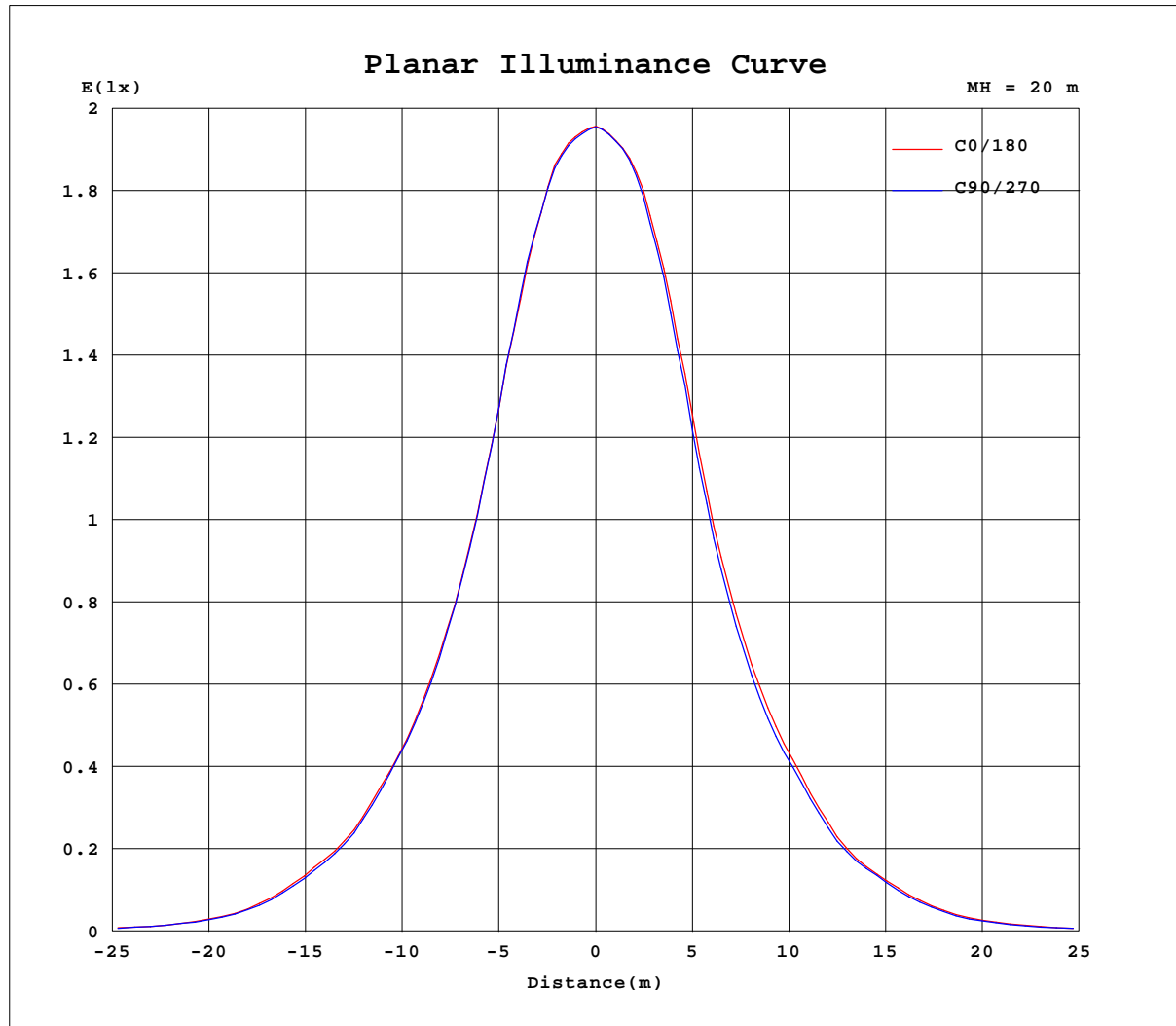
AvgL	cd/m2
L_0~180(65)av	5128
L_0~180(75)av	4497
L_0~180(85)av	10630
L_90~270(65)av	4234
L_90~270(75)av	4554
L_90~270(85)av	10839
L_45(65)av	4618
L_45(75)av	4511
L_45(85)av	10707

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:GUO  
Test Date:2019-10-14

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65.0%  
Test Distance:3.160m [K=1.0000]  
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90  
LENS:PM-1035B 30R+CLEAR GLASS  
DRIVER:LP12W-48-C0250 250mA  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: GUO  
 Test Date: 2019-10-14

deg Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65.0%  
 Test Distance: 3.160m [K=1.0000]  
 Remarks: LAMP: CLU028-1202C4-303H5M3-F1 Ra:90  
 LENS: PM-1035B 30R+CLEAR GLASS  
 DRIVER: LP12W-48-C0250 250mA  
 30minutes warm-up



## LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.18V I:0.0490A P:10.375W PF:0.9590 Freq:49.99Hz Lamp Flux:1055.1xl lm		
NAME: 1618.116	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:191014001
MFR.: RISE	SUR.:0.00151976m2	Shielding Angle:

Table--1

UNIT: cd

[illegible]

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: GUO  
Test Date: 2019-10-14

```

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:3.160m [K=1.0000]
Remarks: LAMP:CLU028-1202C4-303H5M3-F1 Ra:90
          LENS:PM-1035B 30R+CLEAR GLASS
          DRIVER:LP12W-48-C0250 250mA
          30minutes warm-up

```