

### Luminaire Photograph

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Light Output Ratio:	51.1%	
Luminaire Power:	46.79 W	
SHR Nominal:	0.50	Calculated using the TM5
SHR Maximum:	0.70	fine grid method.

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C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Lirongtong  
Test Date: 2017-06-12

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity: 65.0%  
Test Distance: 2.500m [K=1.0438]  
Remarks: LAMP: CLU038-1205C4-303H5M3-F1 Ra: 90  
DRIVER: LCI42W 1050mA TEC SR  
REFLECTOR: GR92-60 60R  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

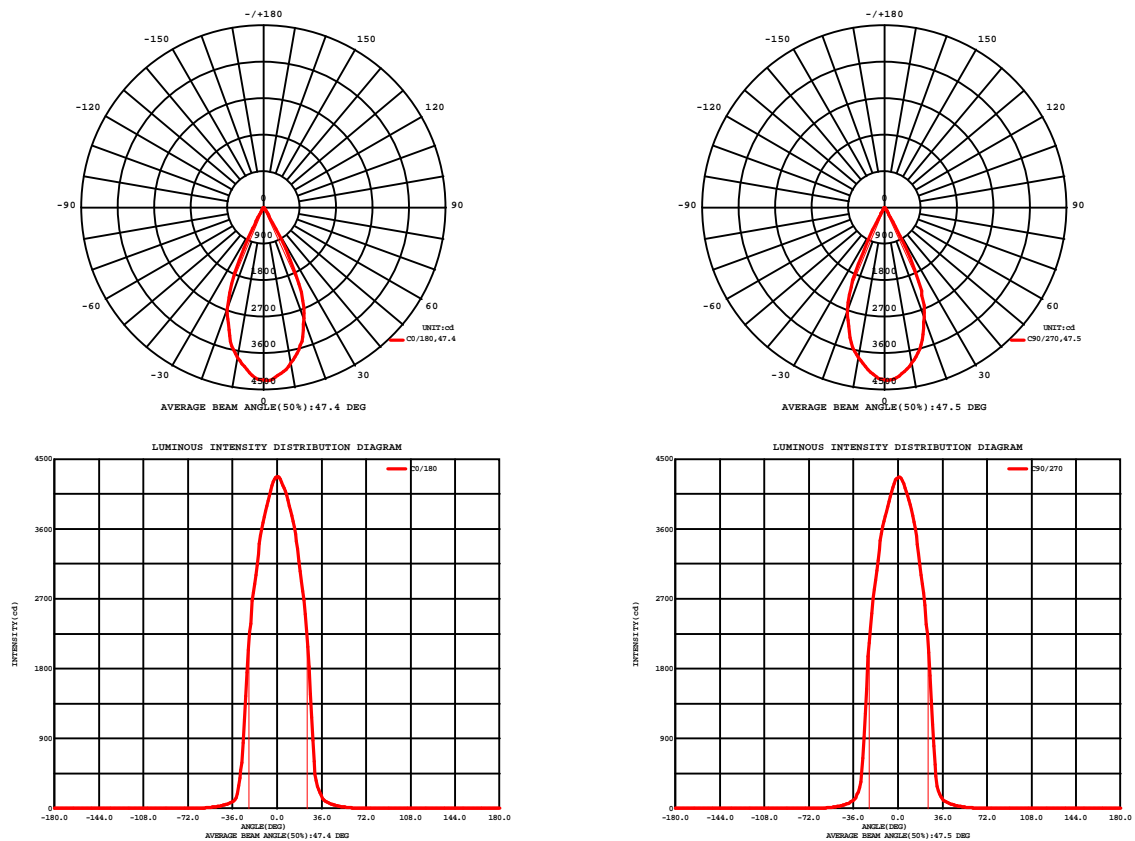


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: Lirongtong  
Test Date: 2017-06-12

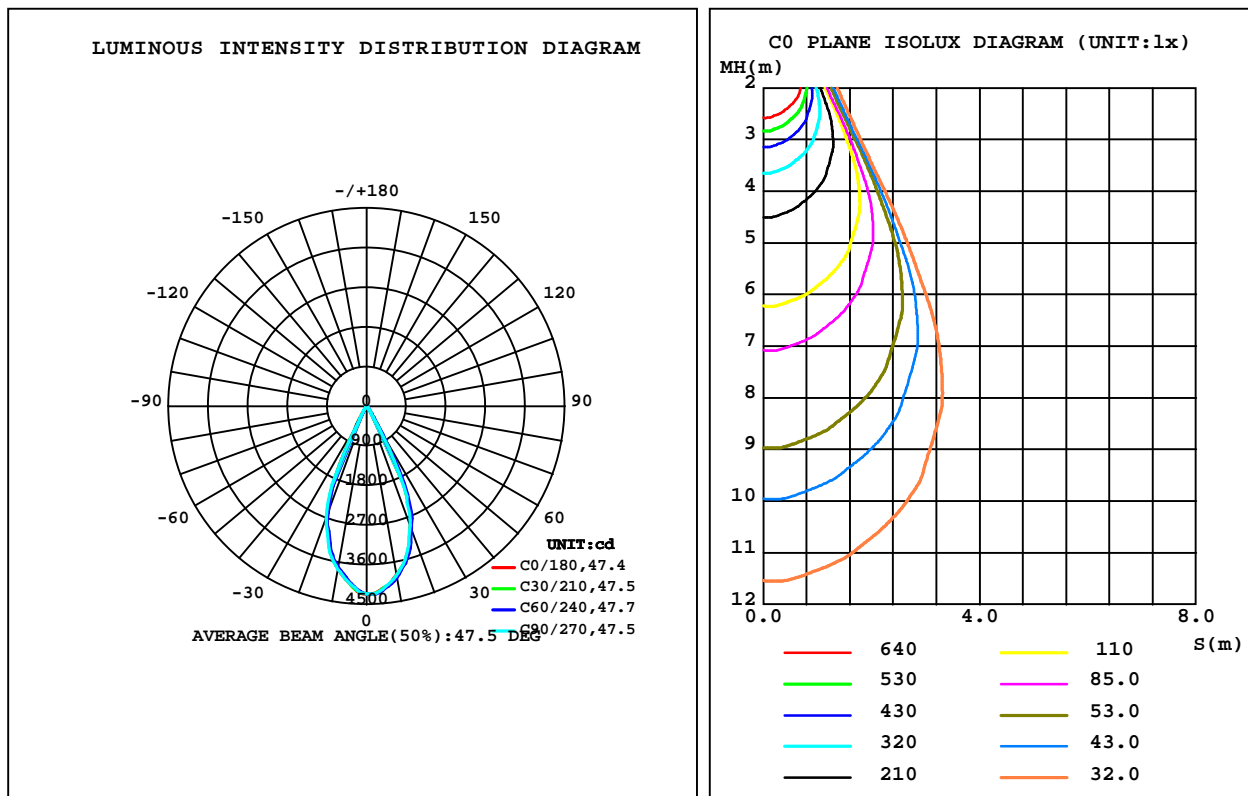
Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity: 65.0%  
Test Distance: 2.500m [K=1.0438]  
Remarks: LAMP: CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER: LCI42W 1050mA TEC SR  
REFLECTOR: GR92-60 60R  
30minutes warm-up

# RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

## LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.77 lm/W			
MODEL	CITIZEN	Imax(cd)	4272	S/MH(C0/180)	0.66
NOMINAL POWER(W)	45	LOR(%)	51.1	S/MH(C90/270)	0.67
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2235.1	h UP,DN(C0-180)	0.0,27.2
NOMINAL FLUX(lm)	4371.9	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,23.9
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	230.6	h down(%)	51.1	CIBSE SHR MAX	0.70



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:Lirongtong  
 Test Date:2017-06-12

g Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.0438]  
 Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
 DRIVER:LCI42W 1050mA TEC SR  
 REFLECTOR:GR92-60 60R  
 30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	3898	3933	3908	3850	3754	3738	3763	3813	0- 10	384.4	384.4	17.2,8.79
20	2922	2948	2887	2802	2673	2618	2696	2764	10- 20	939.2	1324	59.2,30.3
30	602.7	666.7	563.1	496.3	389.5	277.0	344.4	411.7	20- 30	748.3	2072	92.7,47.4
40	84.35	84.85	74.18	70.71	56.35	58.69	65.69	68.88	30- 40	109.7	2182	97.6,49.9
50	30.65	31.14	27.81	26.49	21.51	21.46	22.91	24.28	40- 50	34.22	2216	99.1,50.7
60	8.963	9.163	8.461	7.808	6.236	5.736	5.882	6.365	50- 60	13.35	2229	99.7,51
70	2.068	2.031	1.885	1.790	1.452	1.366	1.323	1.443	60- 70	3.823	2233	99.9,51.1
80	0.5716	0.5806	0.4890	0.4725	0.3907	0.3761	0.3994	0.4593	70- 80	0.9694	2234	99.9,51.1
90	0.1390	0.1120	0.1188	0.1106	0.1101	0.1322	0.1424	0.1135	80- 90	0.2831	2234	100,51.1
100	0.1253	0.0831	0.1057	0.1234	0.1190	0.1164	0.0946	0.1130	90-100	0.1158	2234	100,51.1
110	0.1203	0.0889	0.1086	0.1030	0.0737	0.1120	0.1020	0.1235	100-110	0.1168	2234	100,51.1
120	0.1285	0.1067	0.1178	0.1132	0.1110	0.1166	0.1646	0.1053	110-120	0.1106	2235	100,51.1
130	0.1202	0.1189	0.1172	0.1394	0.1463	0.1379	0.1491	0.1672	120-130	0.1099	2235	100,51.1
140	0.0895	0.1207	0.1269	0.1387	0.1413	0.1488	0.1760	0.1572	130-140	0.1053	2235	100,51.1
150	0.1586	0.1621	0.1539	0.1828	0.1885	0.2424	0.2280	0.2140	140-150	0.1020	2235	100,51.1
160	0.2048	0.1994	0.2238	0.1965	0.3734	0.3801	0.3613	0.3581	150-160	0.1090	2235	100,51.1
170	0.2680	0.2996	0.2974	0.2525	0.5759	0.6044	0.6204	0.6134	160-170	0.1026	2235	100,51.1
180	0.4118	0.4332	0.4779	0.4467	0.4575	0.4549	0.4232	0.4468	170-180	0.0422	2235	100,51.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Lirongtong  
Test Date:2017-06-12

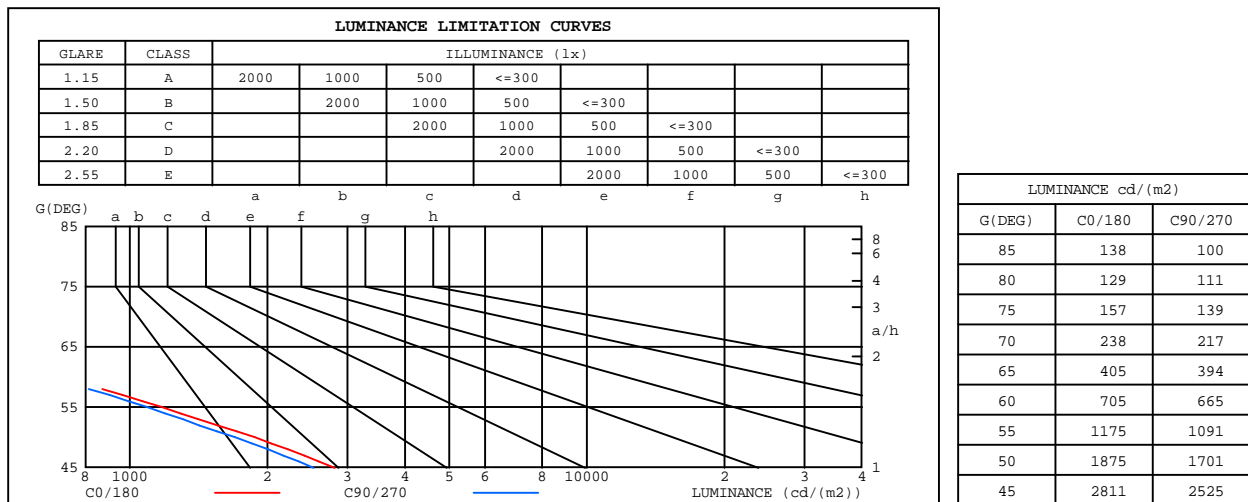
g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINANCE LIMITATION CURVES

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:



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Temperature:25.3DEG  
Operators:Lirongtong  
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G Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
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30minutes warm-up

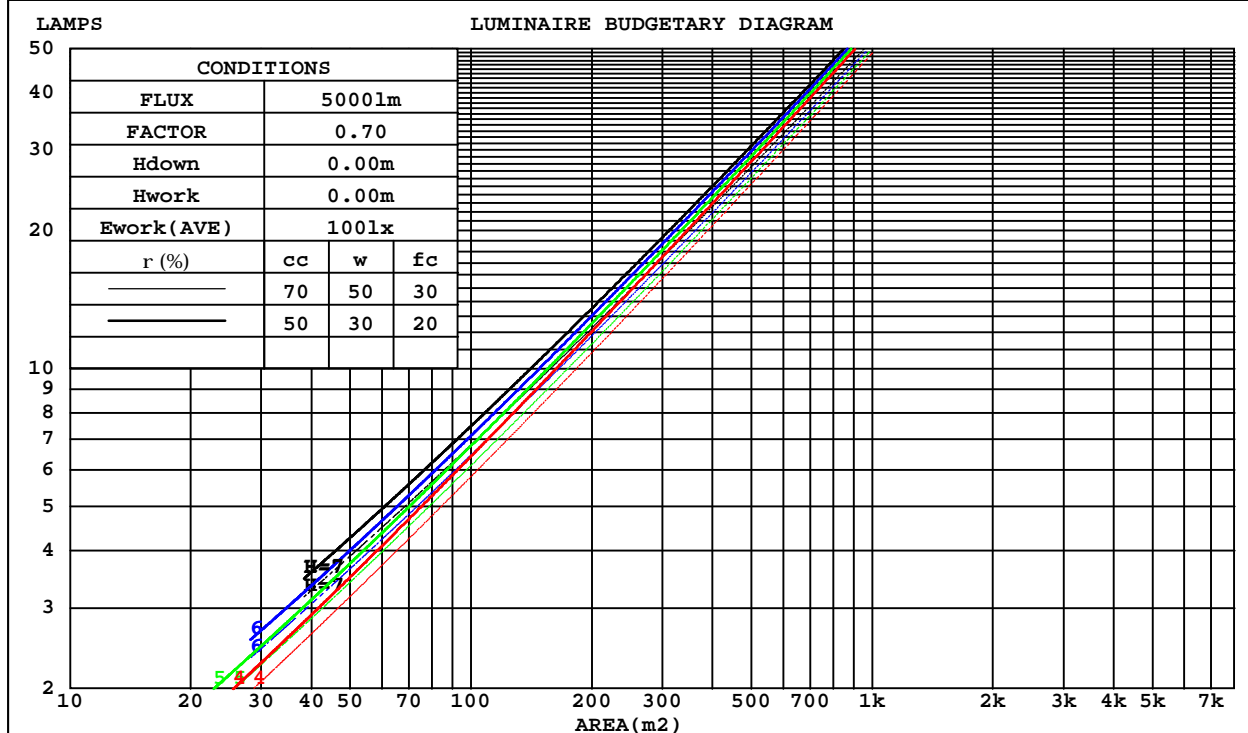


## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	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	.61	.61	.61	.59	.59	.59	.57	.57	.57	.54	.54	.54	.52	.52	.52	.51
1.0	.57	.56	.55	.56	.55	.54	.54	.53	.53	.52	.52	.51	.50	.50	.50	.49
2.0	.54	.52	.51	.53	.52	.50	.51	.50	.49	.50	.49	.48	.49	.48	.47	.46
3.0	.51	.49	.47	.50	.48	.47	.49	.47	.46	.48	.47	.45	.47	.46	.45	.44
4.0	.48	.46	.44	.48	.46	.44	.47	.45	.44	.46	.44	.43	.45	.44	.43	.42
5.0	.46	.44	.42	.46	.43	.42	.45	.43	.41	.44	.42	.41	.43	.42	.41	.40
6.0	.44	.41	.40	.44	.41	.39	.43	.41	.39	.42	.40	.39	.42	.40	.39	.38
7.0	.42	.39	.38	.42	.39	.38	.41	.39	.37	.40	.39	.37	.40	.38	.37	.36
8.0	.40	.38	.36	.40	.37	.36	.39	.37	.36	.39	.37	.35	.38	.37	.35	.35
9.0	.38	.36	.34	.38	.36	.34	.38	.36	.34	.37	.35	.34	.37	.35	.34	.33
10.0	.37	.34	.33	.37	.34	.33	.36	.34	.33	.36	.34	.33	.36	.34	.32	.32



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Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### WEC AND CCEC

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	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	.080	.045	.014	.076	.043	.014	.070	.040	.013	.064	.037	.012	.058	.034	.011															
2.0	.075	.041	.013	.072	.040	.012	.067	.037	.012	.062	.035	.011	.057	.032	.010															
3.0	.071	.038	.011	.068	.037	.011	.064	.035	.011	.060	.033	.010	.056	.031	.010															
4.0	.067	.035	.010	.065	.034	.010	.061	.032	.010	.057	.031	.009	.054	.029	.009															
5.0	.064	.032	.009	.062	.032	.009	.059	.030	.009	.055	.029	.009	.053	.028	.008															
6.0	.061	.030	.009	.059	.030	.009	.056	.029	.008	.053	.028	.008	.051	.027	.008															
7.0	.058	.029	.008	.057	.028	.008	.054	.027	.008	.052	.026	.008	.049	.026	.008															
8.0	.055	.027	.008	.054	.027	.008	.052	.026	.007	.050	.025	.007	.048	.025	.007															
9.0	.053	.026	.007	.052	.025	.007	.050	.025	.007	.048	.024	.007	.047	.024	.007															
10.0	.051	.025	.007	.050	.024	.007	.048	.024	.007	.047	.023	.007	.045	.023	.007															

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	.098	.098	.098	.083	.083	.083	.057	.057	.057	.033	.033	.033	.010	.010	.010	
1.0	.087	.081	.075	.074	.069	.065	.051	.048	.045	.029	.028	.026	.009	.009	.008	
2.0	.078	.068	.059	.067	.059	.051	.046	.040	.036	.027	.024	.021	.009	.008	.007	
3.0	.071	.058	.048	.061	.050	.041	.042	.035	.029	.024	.020	.017	.008	.007	.006	
4.0	.065	.050	.039	.056	.044	.034	.039	.030	.024	.022	.018	.014	.007	.006	.005	
5.0	.061	.044	.032	.052	.038	.028	.036	.027	.020	.021	.016	.012	.007	.005	.004	
6.0	.056	.039	.027	.048	.034	.024	.033	.024	.017	.019	.014	.010	.006	.005	.003	
7.0	.053	.035	.023	.045	.031	.020	.031	.021	.014	.018	.013	.008	.006	.004	.003	
8.0	.050	.032	.020	.043	.028	.017	.030	.020	.012	.017	.012	.007	.006	.004	.002	
9.0	.047	.029	.017	.041	.025	.015	.028	.018	.011	.016	.011	.006	.005	.003	.002	
10.0	.045	.027	.015	.039	.023	.013	.027	.016	.009	.016	.010	.006	.005	.003	.002	

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30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

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SPEC.:3000K					DIM.:			SERIAL No.:1706129307		
MFR.: RISE					SUR.:0.025434m2			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	2.8	3.6	3.0	3.7	3.9	2.6	3.4	2.8	3.5	3.7
3H	2.6	3.4	2.9	3.6	3.8	2.5	3.2	2.7	3.4	3.6
4H	2.6	3.3	2.8	3.5	3.7	2.4	3.1	2.7	3.3	3.5
6H	2.5	3.1	2.8	3.4	3.6	2.3	3.0	2.6	3.2	3.4
8H	2.4	3.1	2.7	3.3	3.6	2.3	2.9	2.6	3.2	3.4
12H	2.4	3.0	2.7	3.3	3.5	2.2	2.8	2.5	3.1	3.4
4H 2H	2.6	3.3	2.9	3.5	3.7	2.4	3.1	2.7	3.3	3.5
3H	2.5	3.1	2.8	3.3	3.6	2.3	2.9	2.6	3.2	3.4
4H	2.4	2.9	2.7	3.2	3.5	2.2	2.8	2.6	3.1	3.4
6H	2.3	2.8	2.7	3.1	3.4	2.1	2.6	2.5	2.9	3.3
8H	2.2	2.7	2.6	3.0	3.4	2.1	2.5	2.5	2.9	3.2
12H	2.2	2.6	2.6	3.0	3.4	2.0	2.4	2.4	2.8	3.2
8H 4H	2.2	2.7	2.6	3.0	3.4	2.1	2.5	2.5	2.9	3.2
6H	2.1	2.5	2.6	2.9	3.3	2.0	2.3	2.4	2.7	3.2
8H	2.1	2.4	2.5	2.8	3.3	1.9	2.3	2.4	2.7	3.1
12H	2.0	2.3	2.5	2.8	3.2	1.9	2.2	2.3	2.6	3.1
12H 4H	2.2	2.6	2.6	3.0	3.3	2.0	2.4	2.4	2.8	3.2
6H	2.1	2.4	2.5	2.8	3.3	1.9	2.2	2.4	2.7	3.1
8H	2.0	2.3	2.5	2.7	3.2	1.9	2.1	2.3	2.6	3.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.9 / - 5.1					+ 2.2 / - 5.0				
1.5H	+ 4.0 / - 3.8					+ 2.9 / - 2.9				
2.0H	+ 4.3 / - 5.6					+ 3.9 / - 4.8				

CIE Pub.117, 4372 lm Total Lamp Luminous Flux Correct ( $8\log(F/F_0) = 5.1$ )

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30minutes warm-up



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### UTILIZATION FACTORS TABLE

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MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

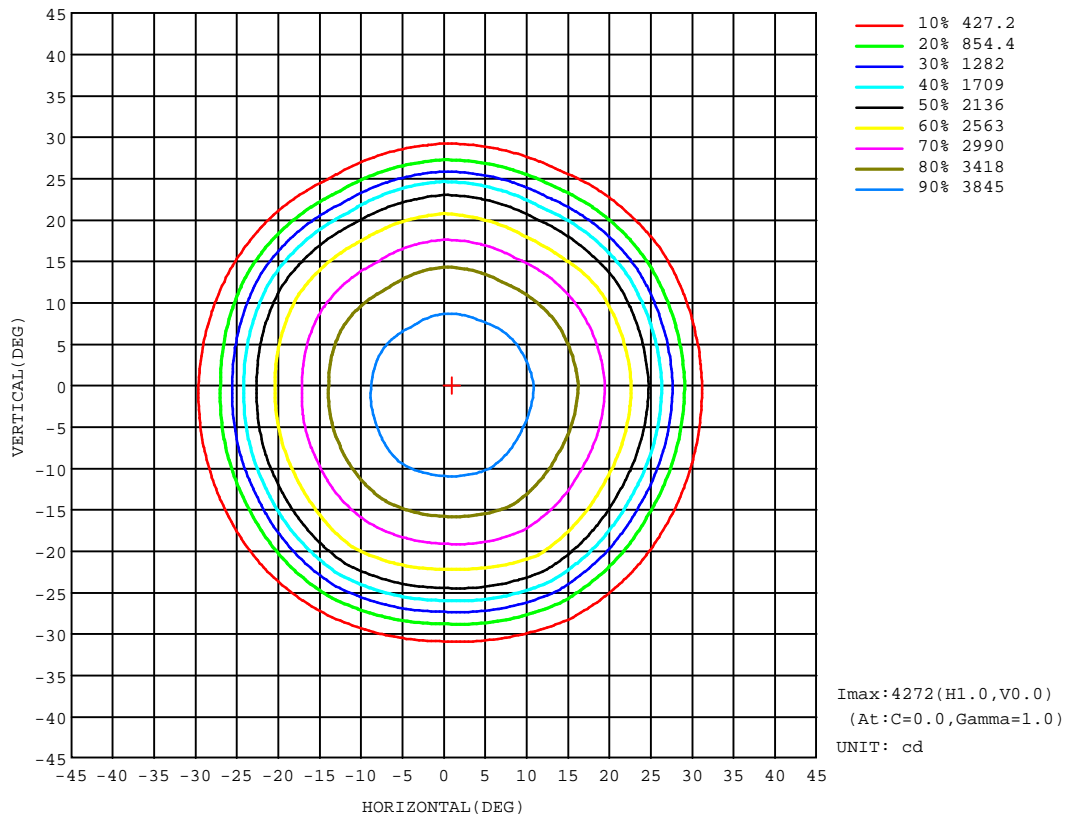
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	46	43	41	46	43	41	45	43	41	39
0.80	50	47	45	49	47	45	49	46	45	43
1.00	52	49	47	51	49	47	50	49	47	45
1.25	54	51	49	53	51	49	52	50	49	47
1.50	55	53	51	54	52	51	53	51	50	48
2.00	56	54	53	55	53	52	54	52	51	49
2.50	57	55	54	56	54	53	54	53	52	49
3.00	57	56	55	57	55	54	55	54	53	50
4.00	58	57	56	57	56	55	56	55	54	50
5.00	59	58	57	58	57	56	56	55	55	51
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG  
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g Range: 0 - 180DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity:65.0%  
 Test Distance:2.500m [K=1.0438]  
 Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
 DRIVER:LCI42W 1050mA TEC SR  
 REFLECTOR:GR92-60 60R  
 30minutes warm-up

## ISOCANDELA DIAGRAM

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

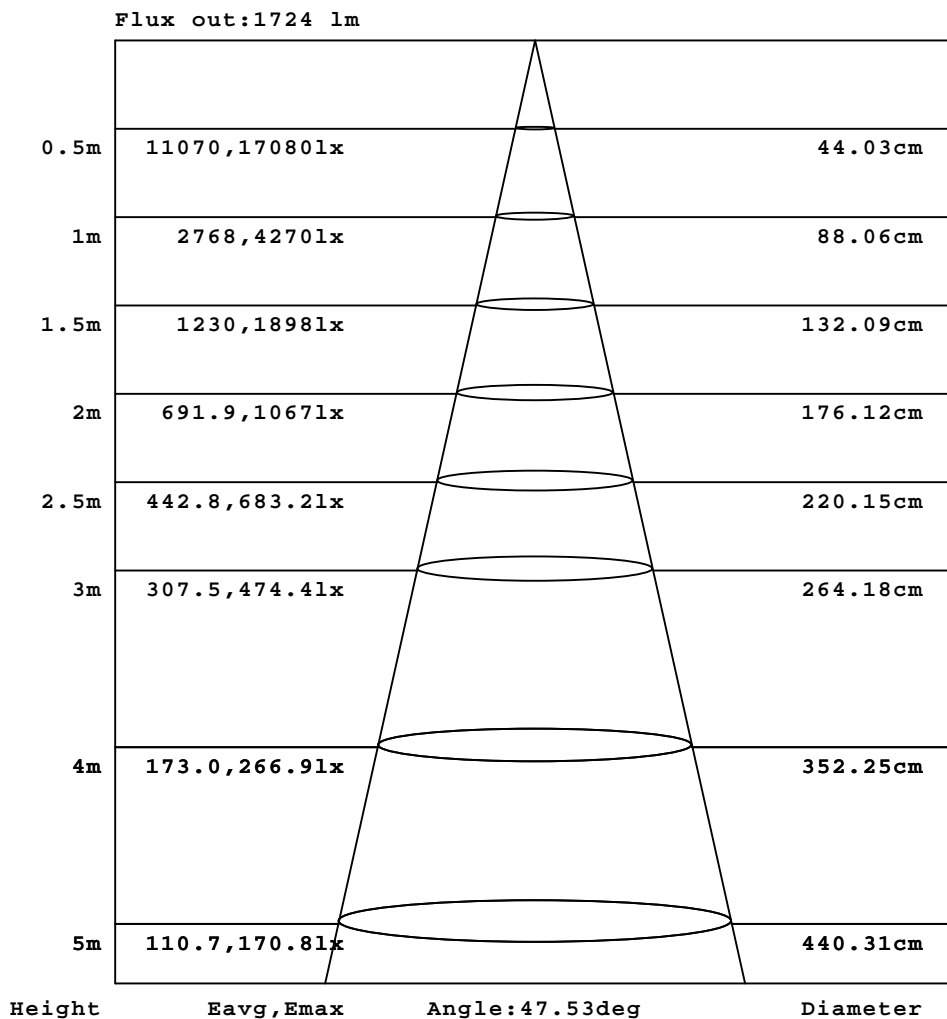


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Lirongtong  
Test Date:2017-06-12

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up

## AAI Figure

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	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:Lirongtong  
Test Date:2017-06-12

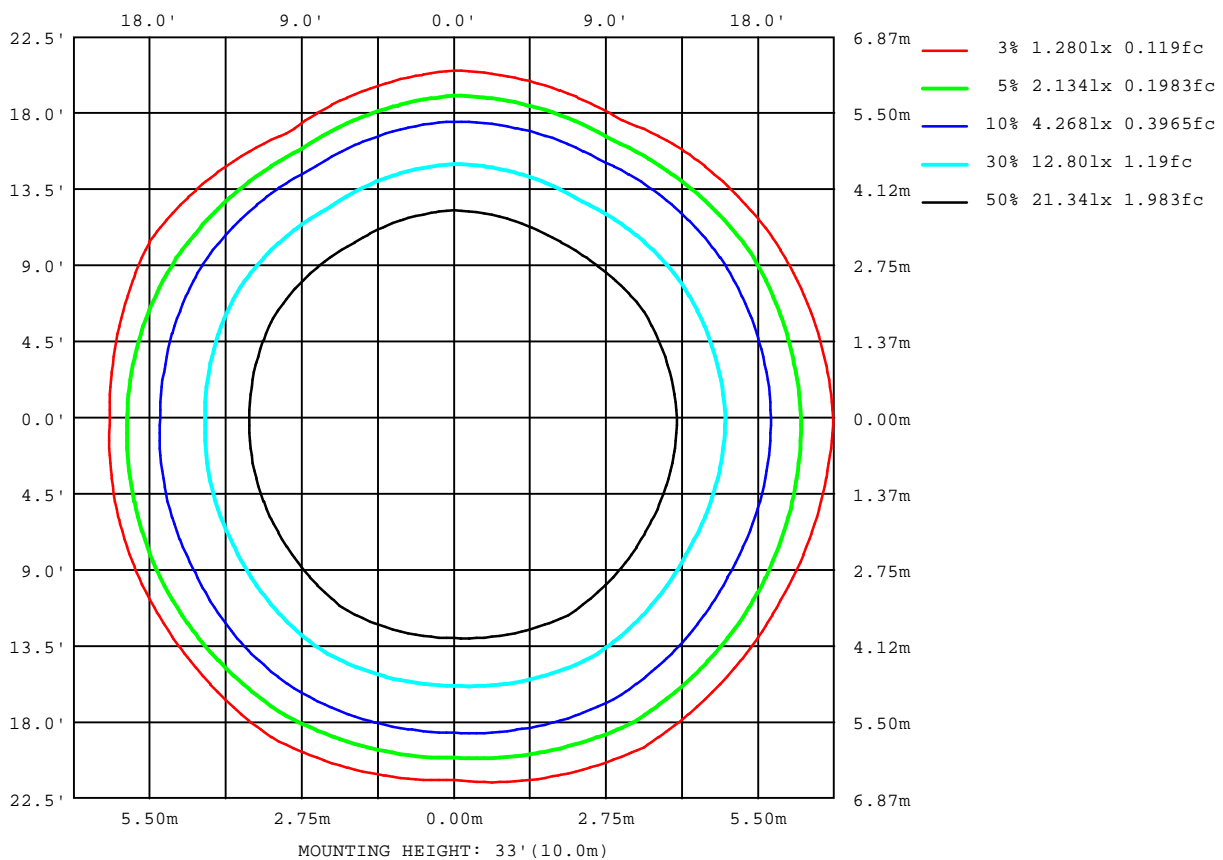
g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOLUX DIAGRAM

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Lirongtong  
Test Date:2017-06-12

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up

## LED Avg.L Report

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

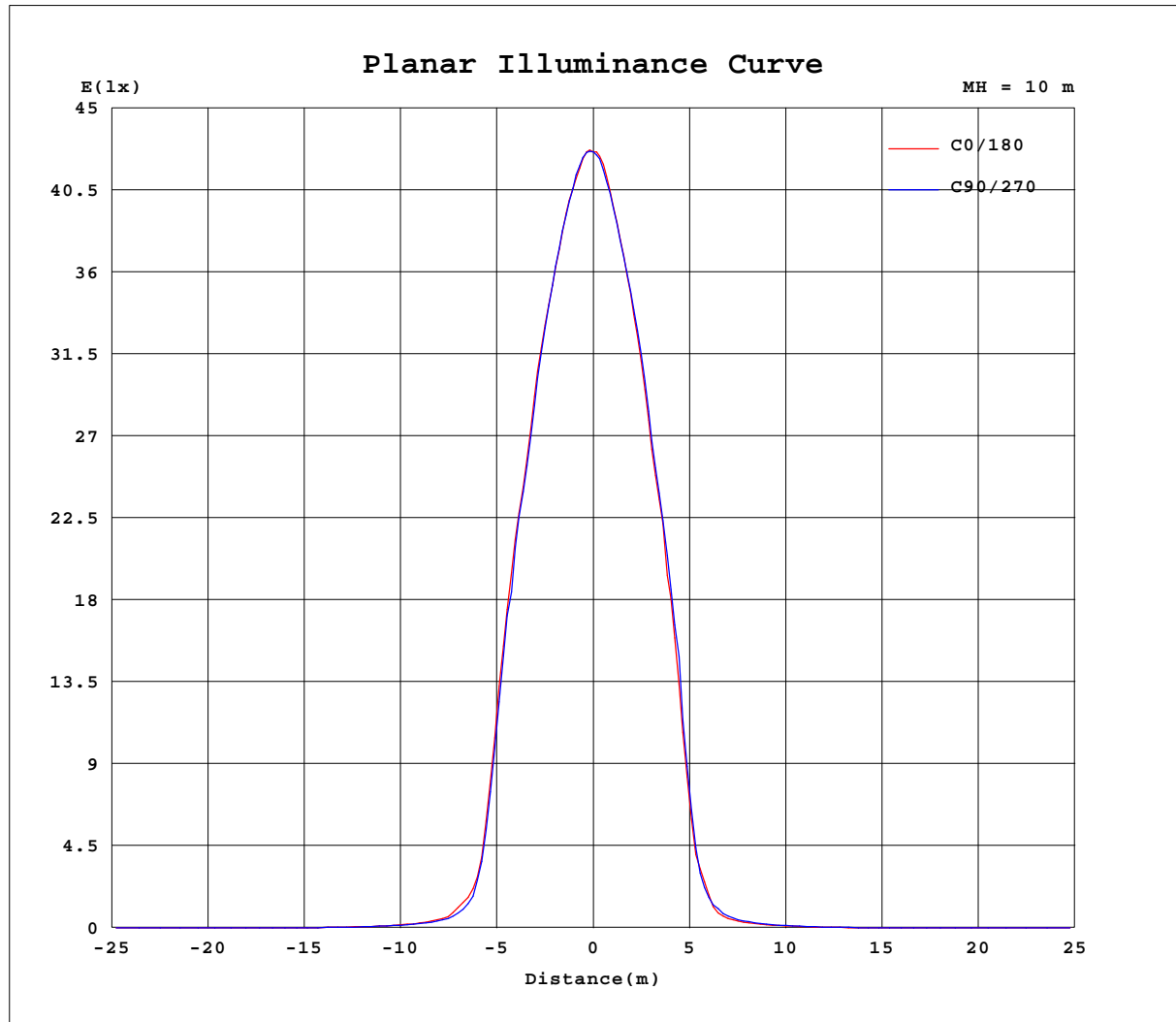
AvgL	cd/m2
L_0~180(65)av	354
L_0~180(75)av	138
L_0~180(85)av	114
L_90~270(65)av	332
L_90~270(75)av	121
L_90~270(85)av	98
L_45(65)av	333
L_45(75)av	130
L_45(85)av	110

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Lirongtong  
Test Date:2017-06-12

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: Lirongtong  
 Test Date: 2017-06-12

deg Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
 Humidity: 65.0%  
 Test Distance: 2.500m [K=1.0438]  
 Remarks: LAMP: CLU038-1205C4-303H5M3-F1 Ra:90  
 DRIVER: LCI42W 1050mA TEC SR  
 REFLECTOR: GR92-60 60R  
 30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.49V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH60-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129307
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

Table--1

UNIT: cd

C(°) g (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	4261	4259	4256	4260	4261	4258	4261	4259	4256	4260	4261	4258						
5	4161	4161	4201	4181	4177	4127	4090	4082	4048	4078	4076	4127						
10	3898	3908	3958	3908	3897	3803	3754	3753	3723	3763	3779	3848						
15	3531	3521	3579	3504	3473	3366	3280	3305	3231	3333	3338	3466						
20	2922	2917	2979	2887	2858	2747	2673	2670	2566	2696	2693	2835						
25	2081	2046	2225	2007	1997	1620	1443	1495	1287	1538	1513	1923						
30	603	601	732	563	550	443	389	326	228	344	326	498						
35	206	159	208	150	169	116	97.7	111	94.5	120	109	168						
40	84.3	79.2	90.5	74.2	77.4	64.0	56.4	61.4	56.0	65.7	60.2	77.5						
45	50.5	48.3	54.0	45.4	47.2	40.3	36.3	39.1	34.5	40.1	37.3	46.8						
50	30.6	28.9	33.3	27.8	29.3	23.7	21.5	23.3	19.6	22.9	21.3	27.3						
55	17.1	16.2	18.9	15.9	16.8	13.1	12.1	13.0	10.3	12.2	11.4	14.9						
60	8.96	8.40	9.93	8.46	8.97	6.64	6.24	6.62	4.85	5.88	5.41	7.32						
65	4.35	4.05	4.74	4.23	4.59	3.32	3.26	3.42	2.40	2.90	2.66	3.55						
70	2.07	1.88	2.18	1.89	2.07	1.51	1.45	1.57	1.16	1.32	1.26	1.62						
75	1.03	0.94	1.12	0.91	1.04	0.76	0.78	0.81	0.65	0.67	0.67	0.85						
80	0.57	0.55	0.61	0.49	0.53	0.41	0.39	0.43	0.32	0.40	0.40	0.52						
85	0.31	0.27	0.30	0.22	0.29	0.21	0.20	0.23	0.18	0.21	0.21	0.25						
90	0.14	0.08	0.14	0.12	0.12	0.10	0.11	0.12	0.15	0.14	0.09	0.13						
95	0.09	0.08	0.12	0.11	0.11	0.08	0.09	0.10	0.11	0.11	0.09	0.10						
100	0.13	0.07	0.09	0.11	0.10	0.14	0.12	0.11	0.12	0.09	0.12	0.10						
105	0.14	0.07	0.10	0.11	0.11	0.12	0.09	0.11	0.14	0.13	0.10	0.12						
110	0.12	0.07	0.11	0.11	0.10	0.10	0.07	0.12	0.11	0.10	0.14	0.11						
115	0.13	0.12	0.13	0.12	0.10	0.10	0.08	0.12	0.11	0.11	0.09	0.13						
120	0.13	0.12	0.10	0.12	0.09	0.14	0.11	0.10	0.14	0.16	0.09	0.12						
125	0.09	0.11	0.15	0.14	0.16	0.12	0.15	0.12	0.12	0.13	0.13	0.11						
130	0.12	0.12	0.12	0.12	0.13	0.15	0.15	0.13	0.14	0.15	0.18	0.16						
135	0.13	0.14	0.12	0.12	0.13	0.13	0.10	0.12	0.15	0.15	0.12	0.15						
140	0.09	0.10	0.14	0.13	0.12	0.15	0.14	0.15	0.15	0.18	0.15	0.16						
145	0.14	0.16	0.14	0.19	0.13	0.17	0.17	0.16	0.19	0.17	0.15	0.16						
150	0.16	0.17	0.15	0.15	0.18	0.18	0.19	0.23	0.25	0.23	0.23	0.20						
155	0.19	0.16	0.20	0.21	0.18	0.18	0.28	0.29	0.29	0.27	0.28	0.29						
160	0.20	0.20	0.20	0.22	0.20	0.19	0.37	0.37	0.39	0.36	0.38	0.34						
165	0.22	0.26	0.26	0.27	0.24	0.24	0.49	0.50	0.51	0.49	0.51	0.49						
170	0.27	0.30	0.30	0.30	0.23	0.28	0.58	0.60	0.61	0.62	0.62	0.60						
175	0.33	0.30	0.26	0.27	0.24	0.30	0.56	0.55	0.55	0.58	0.58	0.61						
180	0.41	0.44	0.43	0.48	0.45	0.44	0.46	0.46	0.45	0.42	0.42	0.47						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:Lirongtong  
Test Date:2017-06-12

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203  
Humidity:65.0%  
Test Distance:2.500m [K=1.0438]  
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90  
DRIVER:LCI42W 1050mA TEC SR  
REFLECTOR:GR92-60 60R  
30minutes warm-up