

Luminaire Photograph



Light Output Ratio:	52.1%	
Luminaire Power:	46.79 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: 25.3DEG
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: GR92-38 38R
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

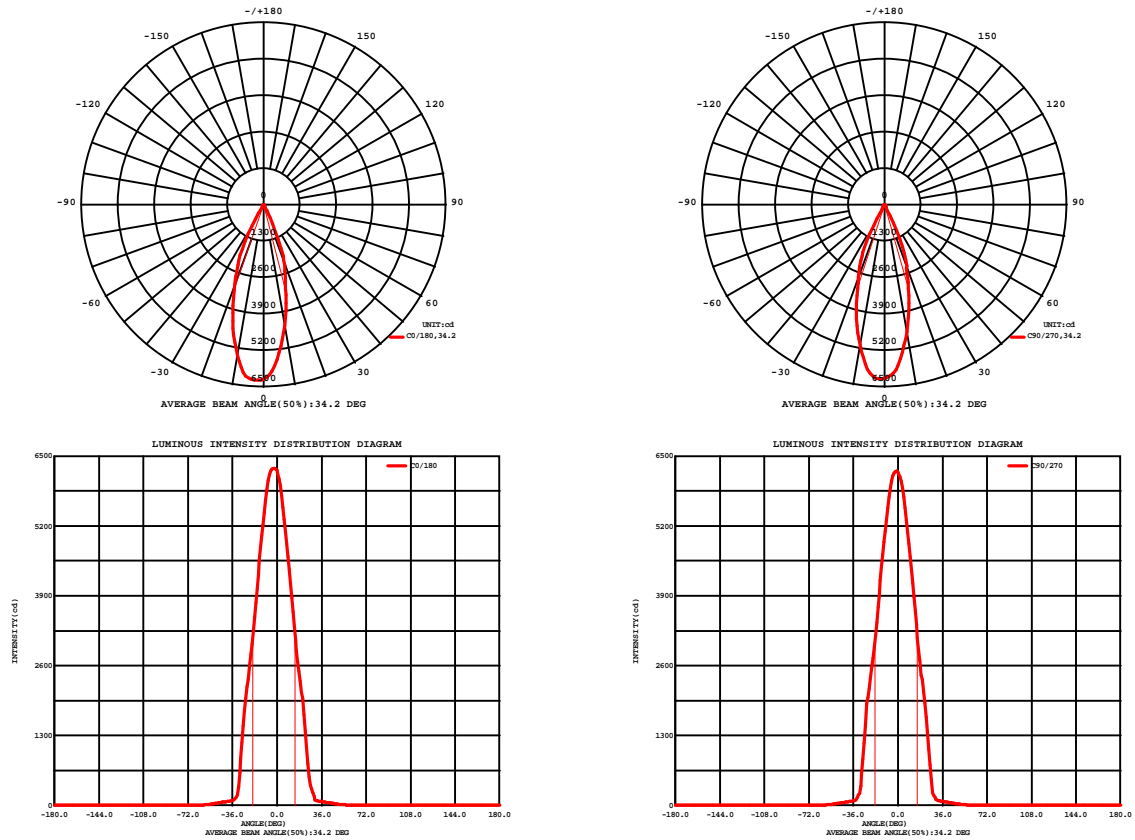


Fig. C0/C180

Fig. C90/C270

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

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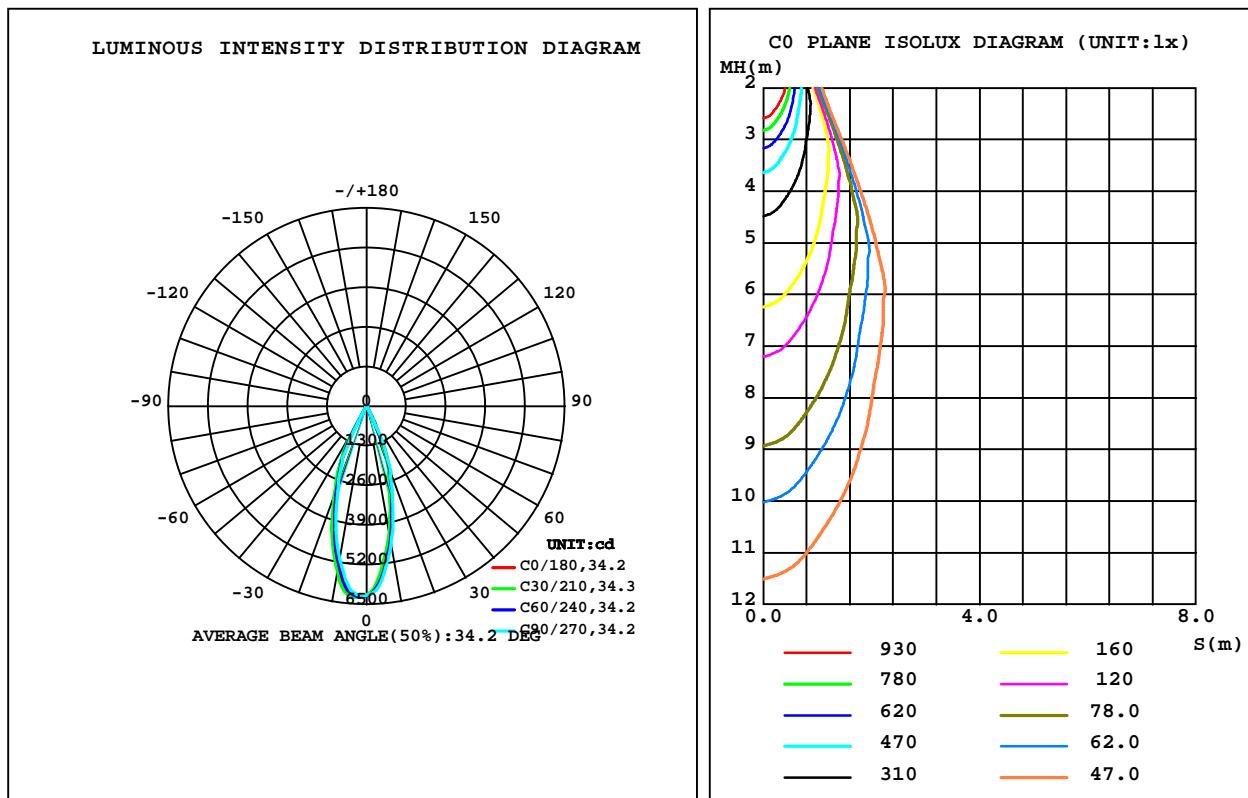


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.65 lm/W			
MODEL	CITIZEN	Imax(cd)	6273	S/MH(C0/180)	0.64
NOMINAL POWER(W)	45	LOR(%)	52.1	S/MH(C90/270)	0.60
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	2276.5	h UP,DN(C0-180)	0.0,23.8
NOMINAL FLUX(lm)	4371.9	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,28.3
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.50
TEST VOLTAGE(V)	231.3	h down(%)	52.1	CIBSE SHR MAX	0.60



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:GR92-38 38R
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	4381	4368	4626	5153	5446	5426	5105	4607	0- 10	528.7	528.7	23.2,12.1
20	2106	2099	2335	2739	3011	3013	2748	2312	10- 20	1008	1537	67.5,35.2
30	167.0	127.7	146.5	374.7	611.8	616.0	357.8	155.2	20- 30	611.7	2149	94.4,49.1
40	58.70	59.63	62.55	72.29	72.86	71.62	68.56	61.00	30- 40	70.73	2219	97.5,50.8
50	23.13	21.99	24.17	33.74	36.99	38.19	32.72	24.81	40- 50	36.68	2256	99.1,51.6
60	5.558	4.819	5.297	8.265	9.827	10.28	8.677	6.102	50- 60	14.63	2271	99.7,51.9
70	1.248	1.062	1.146	1.718	2.120	2.249	2.013	1.392	60- 70	3.746	2274	99.9,52
80	0.3443	0.3030	0.3402	0.4875	0.5645	0.5797	0.5276	0.3794	70- 80	0.9321	2275	100,52
90	0.1233	0.0999	0.0942	0.1036	0.0870	0.1421	0.1486	0.0941	80- 90	0.2680	2276	100,52.1
100	0.0897	0.0956	0.0882	0.0963	0.1298	0.1146	0.1127	0.1012	90-100	0.1068	2276	100,52.1
110	0.0541	0.0854	0.1177	0.0918	0.0980	0.0797	0.0954	0.0929	100-110	0.1059	2276	100,52.1
120	0.1095	0.1144	0.0919	0.1303	0.1096	0.1135	0.1330	0.1233	110-120	0.1021	2276	100,52.1
130	0.0897	0.1171	0.1243	0.1114	0.1078	0.1160	0.1089	0.1183	120-130	0.1004	2276	100,52.1
140	0.1186	0.1314	0.1297	0.1263	0.0936	0.1357	0.1340	0.1435	130-140	0.0982	2276	100,52.1
150	0.1216	0.1709	0.1351	0.1466	0.1921	0.1674	0.1904	0.1957	140-150	0.0891	2276	100,52.1
160	0.2072	0.1969	0.2224	0.1641	0.3669	0.3737	0.3391	0.3865	150-160	0.1013	2276	100,52.1
170	0.2570	0.2741	0.2751	0.2575	0.7569	0.7757	0.8055	0.7743	160-170	0.1149	2276	100,52.1
180	0.5665	0.5594	0.5402	0.5103	0.5998	0.5471	0.5771	0.5163	170-180	0.0504	2277	100,52.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

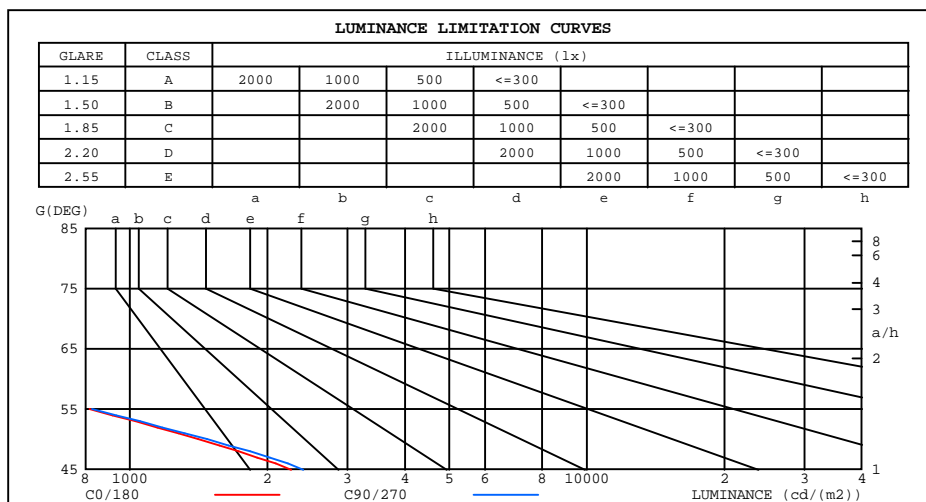
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Lirongtong
Test Date:2017-06-12

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:GR92-38 38R
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	75	80
80	78	77
75	98	89
70	144	132
65	251	222
60	437	417
55	817	829
50	1415	1478
45	2257	2396

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
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 G Interval: 1.0DEG
 Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
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 30minutes warm-up

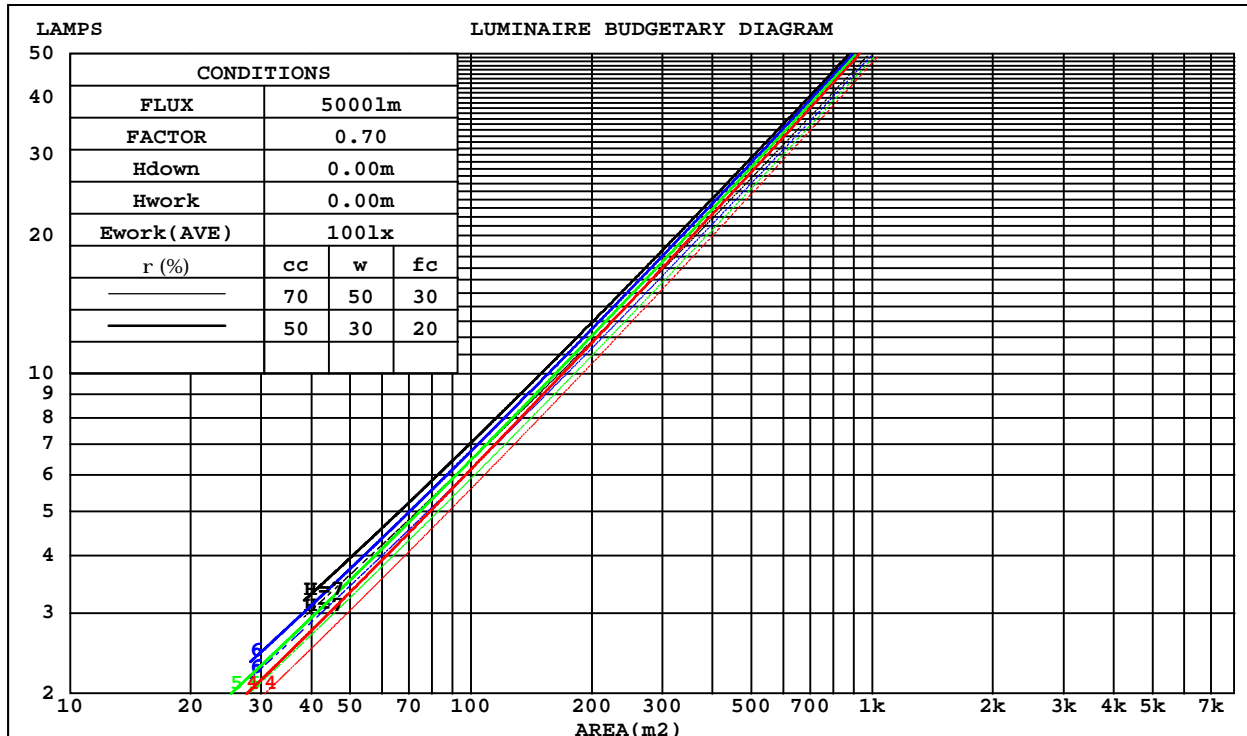


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
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
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Coefficients of Utilization(CU)												
0.0	.62	.62	.62	.61	.61	.61	.58	.58	.58	.55	.55	.55	.53	.53	.53	.52
1.0	.58	.57	.56	.57	.56	.56	.55	.55	.54	.53	.53	.52	.52	.51	.51	.50
2.0	.55	.54	.52	.54	.53	.52	.53	.52	.51	.51	.50	.49	.50	.49	.48	.48
3.0	.53	.51	.49	.52	.50	.49	.51	.49	.48	.49	.48	.47	.48	.47	.46	.46
4.0	.50	.48	.46	.50	.48	.46	.49	.47	.45	.48	.46	.45	.47	.45	.44	.44
5.0	.48	.46	.44	.48	.45	.44	.47	.45	.43	.46	.44	.43	.45	.44	.43	.42
6.0	.46	.44	.42	.46	.43	.42	.45	.43	.41	.44	.42	.41	.44	.42	.41	.40
7.0	.44	.42	.40	.44	.41	.40	.43	.41	.40	.43	.41	.39	.42	.40	.39	.39
8.0	.42	.40	.38	.42	.40	.38	.42	.40	.38	.41	.39	.38	.41	.39	.38	.37
9.0	.41	.38	.37	.41	.38	.37	.40	.38	.37	.40	.38	.37	.39	.38	.36	.36
10.0	.39	.37	.35	.39	.37	.35	.39	.37	.35	.38	.37	.35	.38	.36	.35	.35



C Range: 0 - 360DEG
C Interval: 30.0DEG
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Interval: 1.0DEG
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Test Distance:2.500m [K=1.0438]
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90
DRIVER:LCI42W 1050mA TEC SR
REFLECTOR:GR92-38 38R
30minutes warm-up



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WEC AND CCEC

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NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
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	.077	.044	.014	.074	.042	.013	.067	.039	.012	.062	.035	.011	.056	.032	.010	
2.0	.073	.040	.012	.070	.038	.012	.064	.036	.011	.059	.033	.010	.055	.031	.010	
3.0	.068	.036	.011	.066	.035	.011	.061	.033	.010	.057	.031	.010	.053	.029	.009	
4.0	.064	.033	.010	.062	.033	.010	.058	.031	.009	.055	.029	.009	.052	.028	.009	
5.0	.061	.031	.009	.059	.030	.009	.056	.029	.009	.053	.028	.008	.050	.027	.008	
6.0	.058	.029	.008	.056	.028	.008	.054	.027	.008	.051	.026	.008	.048	.025	.008	
7.0	.055	.027	.008	.054	.027	.008	.051	.026	.007	.049	.025	.007	.047	.024	.007	
8.0	.053	.026	.007	.052	.025	.007	.049	.025	.007	.047	.024	.007	.045	.023	.007	
9.0	.051	.024	.007	.050	.024	.007	.048	.024	.007	.046	.023	.007	.044	.022	.006	
10.0	.049	.023	.006	.048	.023	.006	.046	.023	.006	.044	.022	.006	.043	.021	.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	.099	.099	.099	.085	.085	.085	.058	.058	.058	.033	.033	.033	.011	.011	.011	
1.0	.088	.082	.077	.076	.071	.066	.052	.049	.046	.030	.028	.027	.010	.009	.009	
2.0	.079	.069	.061	.068	.060	.053	.047	.041	.037	.027	.024	.021	.009	.008	.007	
3.0	.072	.059	.049	.062	.051	.043	.042	.035	.030	.024	.021	.018	.008	.007	.006	
4.0	.066	.051	.040	.056	.044	.035	.039	.031	.025	.022	.018	.015	.007	.006	.005	
5.0	.061	.045	.033	.052	.039	.029	.036	.027	.021	.021	.016	.012	.007	.005	.004	
6.0	.056	.040	.028	.048	.035	.025	.033	.024	.017	.019	.014	.010	.006	.005	.003	
7.0	.052	.036	.024	.045	.031	.021	.031	.022	.015	.018	.013	.009	.006	.004	.003	
8.0	.049	.032	.021	.042	.028	.018	.029	.020	.013	.017	.012	.008	.006	.004	.003	
9.0	.046	.029	.018	.040	.026	.016	.028	.018	.011	.016	.011	.007	.005	.003	.002	
10.0	.044	.027	.016	.038	.023	.014	.026	.017	.010	.015	.010	.006	.005	.003	.002	

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C Interval: 30.0DEG
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Operators:Lirongtong
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DRIVER:LCI42W 1050mA TEC SR
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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.:1706129306		
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	-2.2	-1.5	-2.0	-1.3	-1.2	-1.6	-0.8	-1.3	-0.7	-0.5
3H	-2.3	-1.6	-2.1	-1.4	-1.3	-1.7	-1.0	-1.4	-0.8	-0.6
4H	-2.4	-1.7	-2.1	-1.5	-1.3	-1.7	-1.1	-1.5	-0.9	-0.7
6H	-2.5	-1.9	-2.2	-1.6	-1.4	-1.8	-1.2	-1.5	-1.0	-0.7
8H	-2.5	-1.9	-2.2	-1.7	-1.4	-1.9	-1.3	-1.6	-1.0	-0.8
12H	-2.5	-2.0	-2.2	-1.7	-1.5	-1.9	-1.3	-1.6	-1.1	-0.8
4H 2H	-2.4	-1.7	-2.1	-1.5	-1.3	-1.7	-1.1	-1.5	-0.9	-0.7
3H	-2.5	-1.9	-2.2	-1.6	-1.4	-1.9	-1.3	-1.5	-1.0	-0.8
4H	-2.6	-2.0	-2.2	-1.7	-1.4	-1.9	-1.4	-1.6	-1.1	-0.8
6H	-2.6	-2.2	-2.3	-1.9	-1.5	-2.0	-1.6	-1.7	-1.2	-0.9
8H	-2.7	-2.3	-2.3	-1.9	-1.5	-2.1	-1.6	-1.7	-1.3	-0.9
12H	-2.7	-2.3	-2.3	-2.0	-1.6	-2.1	-1.7	-1.7	-1.4	-1.0
8H 4H	-2.7	-2.3	-2.3	-1.9	-1.6	-2.1	-1.7	-1.7	-1.3	-0.9
6H	-2.8	-2.4	-2.4	-2.0	-1.6	-2.2	-1.8	-1.8	-1.4	-1.0
8H	-2.8	-2.5	-2.4	-2.1	-1.7	-2.2	-1.9	-1.8	-1.5	-1.1
12H	-2.9	-2.6	-2.4	-2.2	-1.7	-2.3	-2.0	-1.8	-1.6	-1.1
12H 4H	-2.7	-2.4	-2.3	-2.0	-1.6	-2.1	-1.7	-1.7	-1.4	-1.0
6H	-2.8	-2.5	-2.4	-2.1	-1.7	-2.2	-1.9	-1.8	-1.5	-1.1
8H	-2.9	-2.6	-2.4	-2.2	-1.7	-2.3	-2.0	-1.8	-1.6	-1.1
Variations with the observer position at spacings:										
S = 1.0H	+ 2.1 / - 5.6					+ 2.2 / - 5.6				
1.5H	+ 2.4 / - 5.0					+ 2.4 / - 4.1				
2.0H	+ 5.3 / - 7.7					+ 4.9 / - 7.1				

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

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REFLECTOR:GR92-38 38R
30minutes warm-up

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UTILIZATION FACTORS TABLE

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SPEC.:3000K	DIM.:	SERIAL No.:1706129306
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

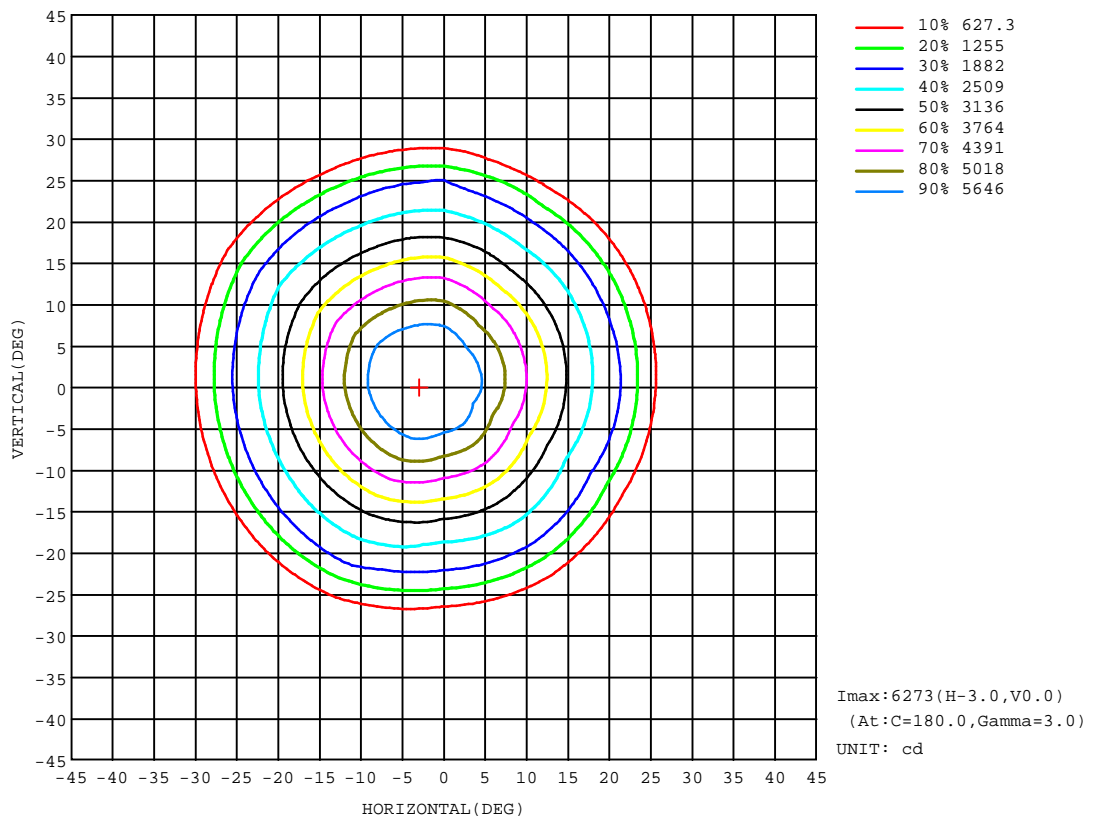
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	47	44	42	47	44	42	46	44	42	40
0.80	51	48	46	50	48	46	50	47	46	44
1.00	53	50	48	52	50	48	51	50	48	46
1.25	55	52	50	54	52	50	53	51	50	48
1.50	56	54	52	55	53	52	54	52	51	49
2.00	57	55	53	56	54	53	55	53	52	50
2.50	58	56	55	57	55	54	55	54	53	50
3.00	59	57	56	58	56	55	56	55	54	51
4.00	60	58	57	58	57	56	57	56	55	51
5.00	60	59	58	59	58	57	57	56	56	52
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: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:GR92-38 38R
 30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

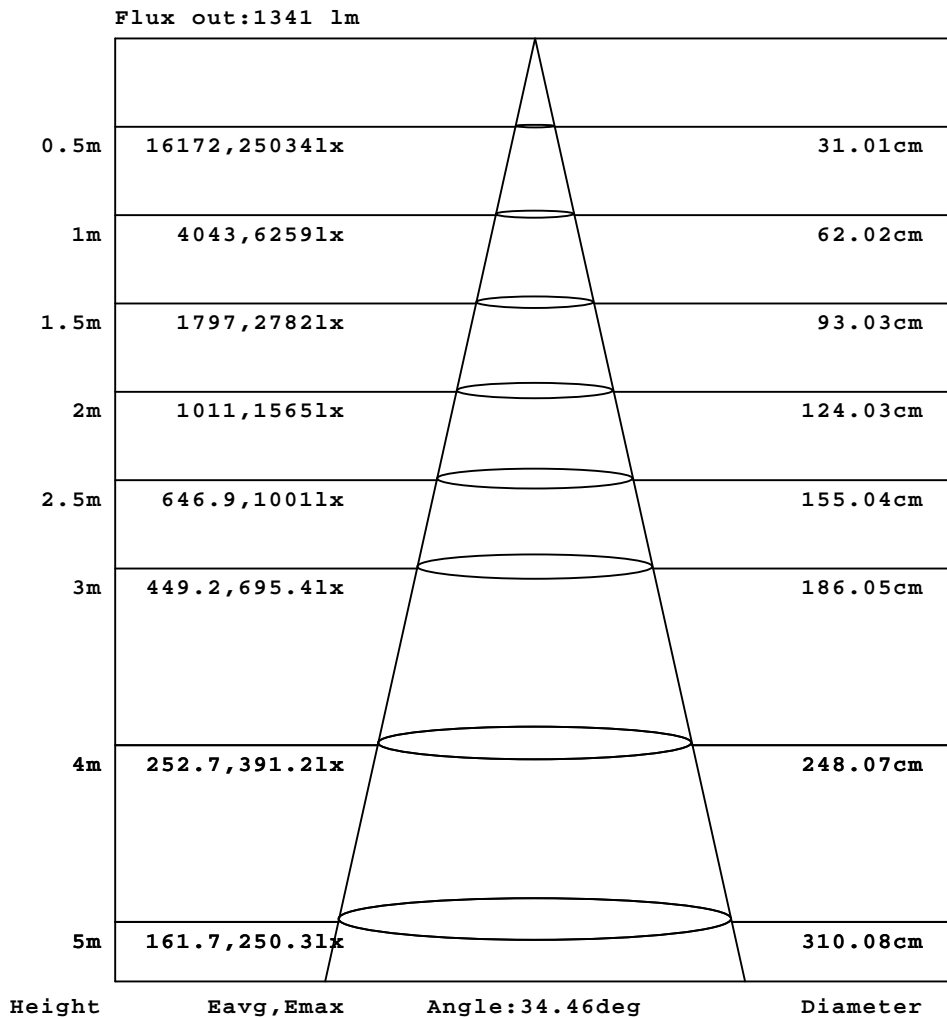


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Lirongtong
Test Date:2017-06-12

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:GR92-38 38R
30minutes warm-up

AAI Figure

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
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

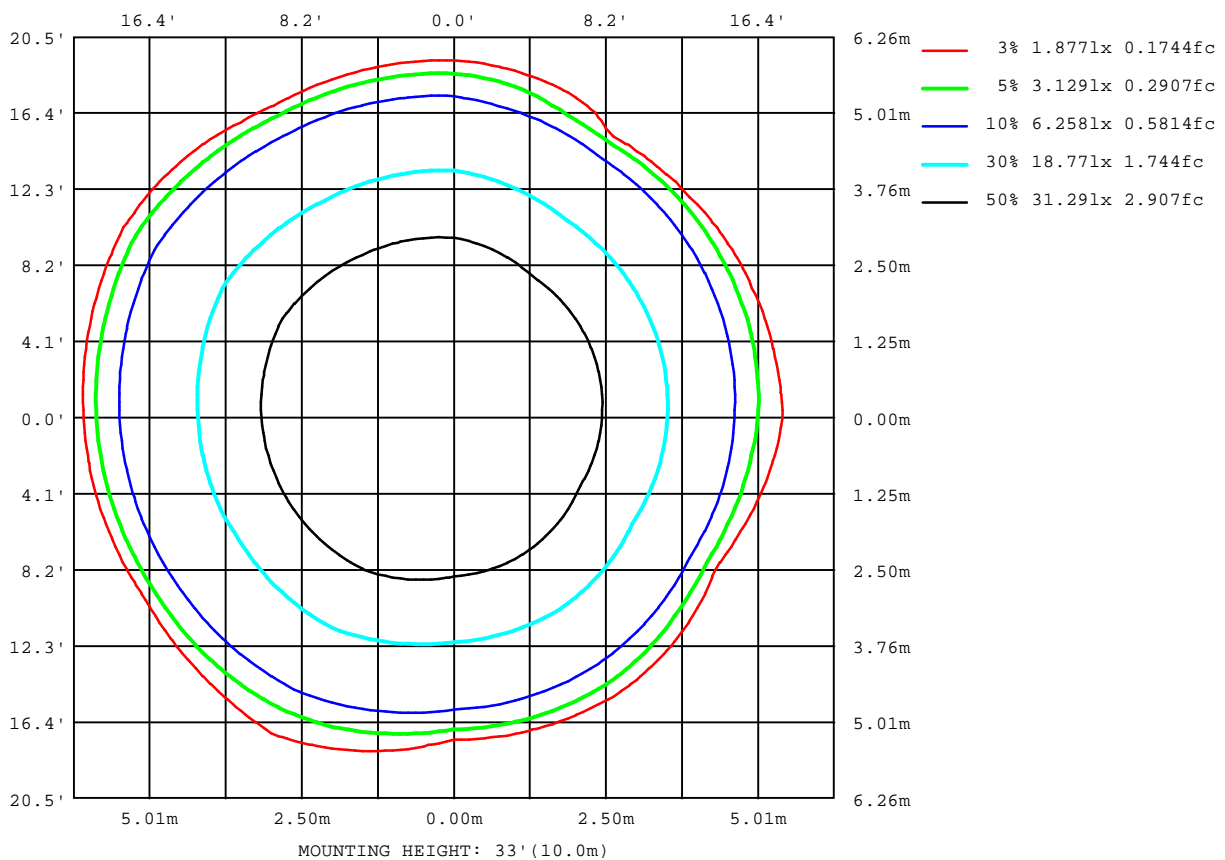
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.0438]
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90
DRIVER:LCI42W 1050mA TEC SR
REFLECTOR:GR92-38 38R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
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:GR92-38 38R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

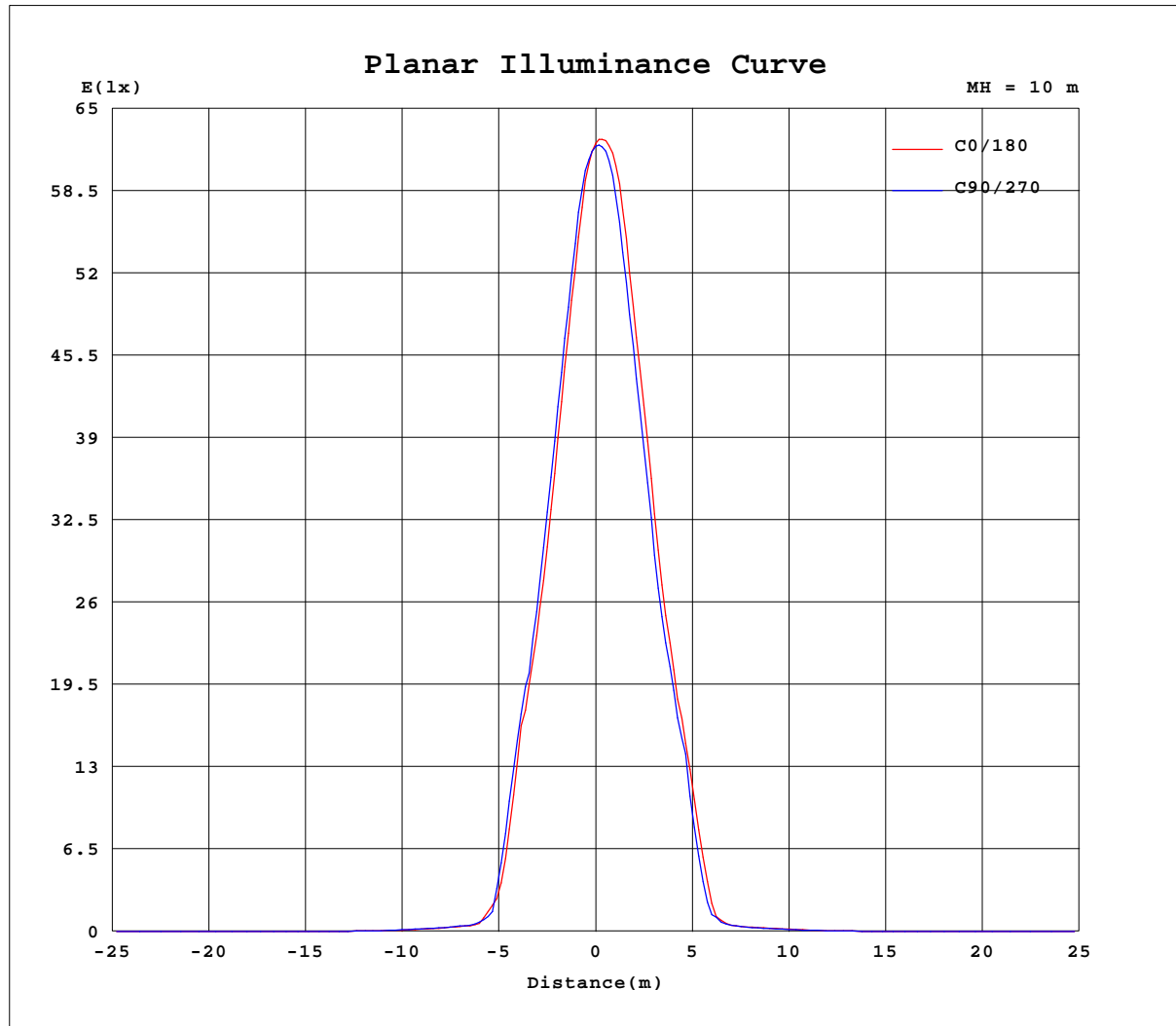
AvgL	cd/m2
L_0~180(65)av	338
L_0~180(75)av	129
L_0~180(85)av	113
L_90~270(65)av	315
L_90~270(75)av	117
L_90~270(85)av	105
L_45(65)av	323
L_45(75)av	123
L_45(85)av	107

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:GR92-38 38R
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

Beam Range: 0 - 180DEG
 Beam 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: GR92-38 38R
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.52V I:0.2034A P:46.790W PF:0.9544 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH38-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129306
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	6227	6201	6214	6200	6206	6213	6227	6201	6214	6200	6206	6213						
5	5547	5441	5649	5748	6008	6112	6220	6254	6155	6042	5739	5629						
10	4381	4245	4491	4626	5049	5257	5446	5548	5304	5105	4700	4513						
15	3076	2974	3188	3366	3821	4066	4300	4426	4131	3932	3434	3247						
20	2106	1984	2214	2335	2659	2819	3011	3138	2888	2748	2383	2241						
25	779	635	889	1042	1580	1793	1999	2125	1900	1886	1191	983						
30	167	105	150	146	366	384	612	790	442	358	161	149						
35	74.8	73.6	82.0	80.8	96.3	92.5	97.3	126	88.7	91.1	80.6	75.0						
40	58.7	55.8	63.5	62.6	72.9	71.7	72.9	75.6	67.6	68.6	62.5	59.5						
45	40.6	36.2	43.1	43.1	53.4	54.0	56.2	60.4	51.6	51.3	43.1	42.3						
50	23.1	19.6	24.4	24.2	33.5	33.9	37.0	42.4	34.0	32.7	24.8	24.8						
55	11.9	9.38	12.1	12.1	17.4	17.9	19.9	23.5	18.4	17.7	12.9	13.1						
60	5.56	4.31	5.32	5.30	7.94	8.59	9.83	11.7	8.87	8.68	5.99	6.21						
65	2.69	1.94	2.38	2.39	3.63	4.02	4.58	5.40	4.33	4.37	2.93	3.16						
70	1.25	0.96	1.17	1.15	1.59	1.85	2.12	2.51	1.99	2.01	1.34	1.44						
75	0.65	0.53	0.64	0.59	0.81	0.90	1.04	1.17	0.96	0.96	0.71	0.75						
80	0.34	0.28	0.33	0.34	0.46	0.52	0.56	0.65	0.51	0.53	0.37	0.39						
85	0.17	0.15	0.18	0.18	0.27	0.28	0.33	0.35	0.27	0.29	0.18	0.22						
90	0.12	0.09	0.11	0.09	0.12	0.09	0.09	0.16	0.13	0.15	0.10	0.09						
95	0.09	0.09	0.06	0.09	0.10	0.10	0.11	0.09	0.07	0.07	0.12	0.10						
100	0.09	0.12	0.07	0.09	0.10	0.09	0.13	0.10	0.13	0.11	0.09	0.11						
105	0.10	0.11	0.11	0.13	0.08	0.13	0.05	0.10	0.09	0.11	0.10	0.06						
110	0.05	0.08	0.09	0.12	0.09	0.09	0.10	0.09	0.07	0.10	0.12	0.07						
115	0.10	0.07	0.05	0.11	0.10	0.12	0.07	0.10	0.10	0.09	0.13	0.07						
120	0.11	0.10	0.13	0.09	0.10	0.16	0.11	0.11	0.11	0.13	0.11	0.14						
125	0.11	0.10	0.12	0.11	0.07	0.12	0.11	0.07	0.11	0.14	0.14	0.09						
130	0.09	0.12	0.11	0.12	0.09	0.13	0.11	0.11	0.12	0.11	0.13	0.11						
135	0.11	0.13	0.12	0.12	0.11	0.13	0.13	0.14	0.14	0.12	0.16	0.09						
140	0.12	0.14	0.12	0.13	0.15	0.11	0.09	0.14	0.13	0.13	0.15	0.14						
145	0.14	0.12	0.12	0.12	0.11	0.15	0.12	0.12	0.12	0.15	0.16	0.13						
150	0.12	0.17	0.18	0.14	0.16	0.14	0.19	0.16	0.17	0.19	0.21	0.18						
155	0.17	0.17	0.17	0.18	0.18	0.19	0.24	0.26	0.29	0.26	0.32	0.33						
160	0.21	0.20	0.19	0.22	0.18	0.14	0.37	0.31	0.43	0.34	0.39	0.38						
165	0.24	0.29	0.26	0.21	0.23	0.23	0.59	0.58	0.61	0.58	0.65	0.62						
170	0.26	0.29	0.26	0.28	0.24	0.27	0.76	0.79	0.76	0.81	0.77	0.78						
175	0.30	0.32	0.31	0.26	0.27	0.31	0.72	0.72	0.76	0.73	0.75	0.72						
180	0.57	0.59	0.52	0.54	0.54	0.48	0.60	0.55	0.55	0.58	0.55	0.49						

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:GR92-38 38R
30minutes warm-up