

Luminaire Photograph



Light Output Ratio:	54.1%	
Luminaire Power:	46.79 W	
SHR Nominal:	0.00	Calculated using the TM5
SHR Maximum:	1.00	fine grid method.

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: GR92-24 24R
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

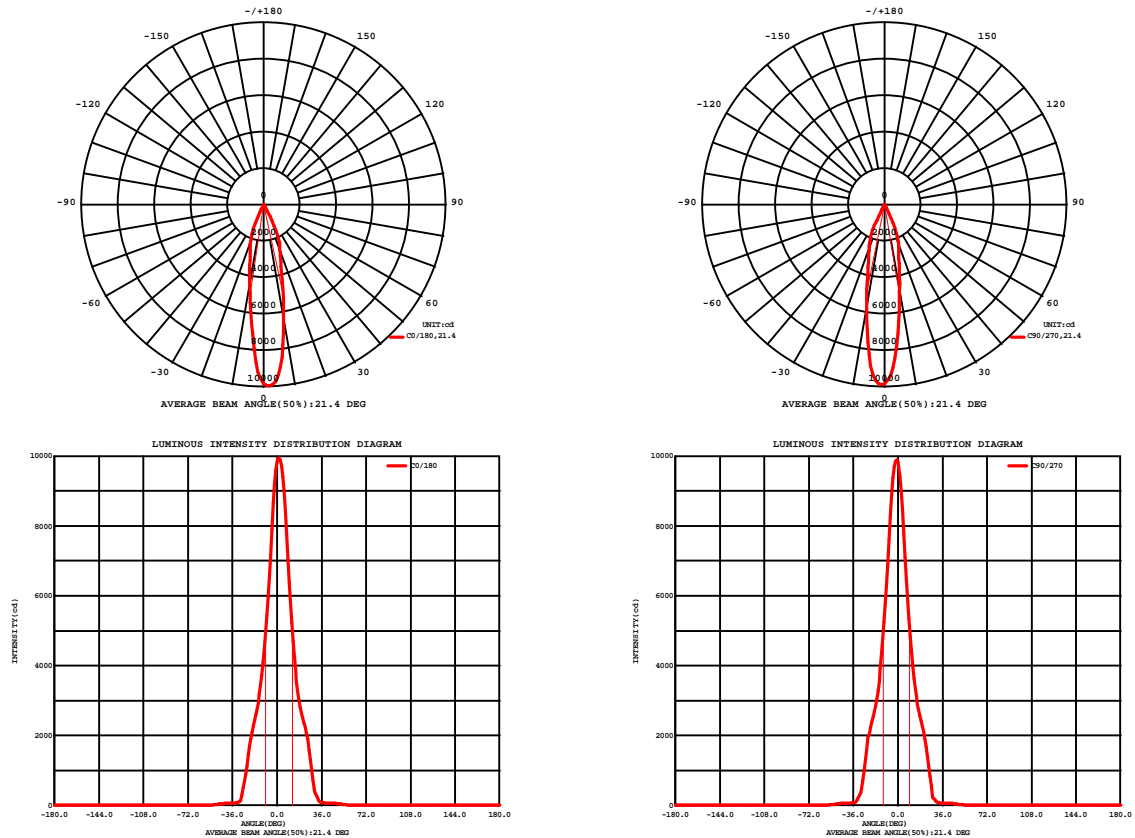


Fig. C0/C180

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
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30minutes warm-up

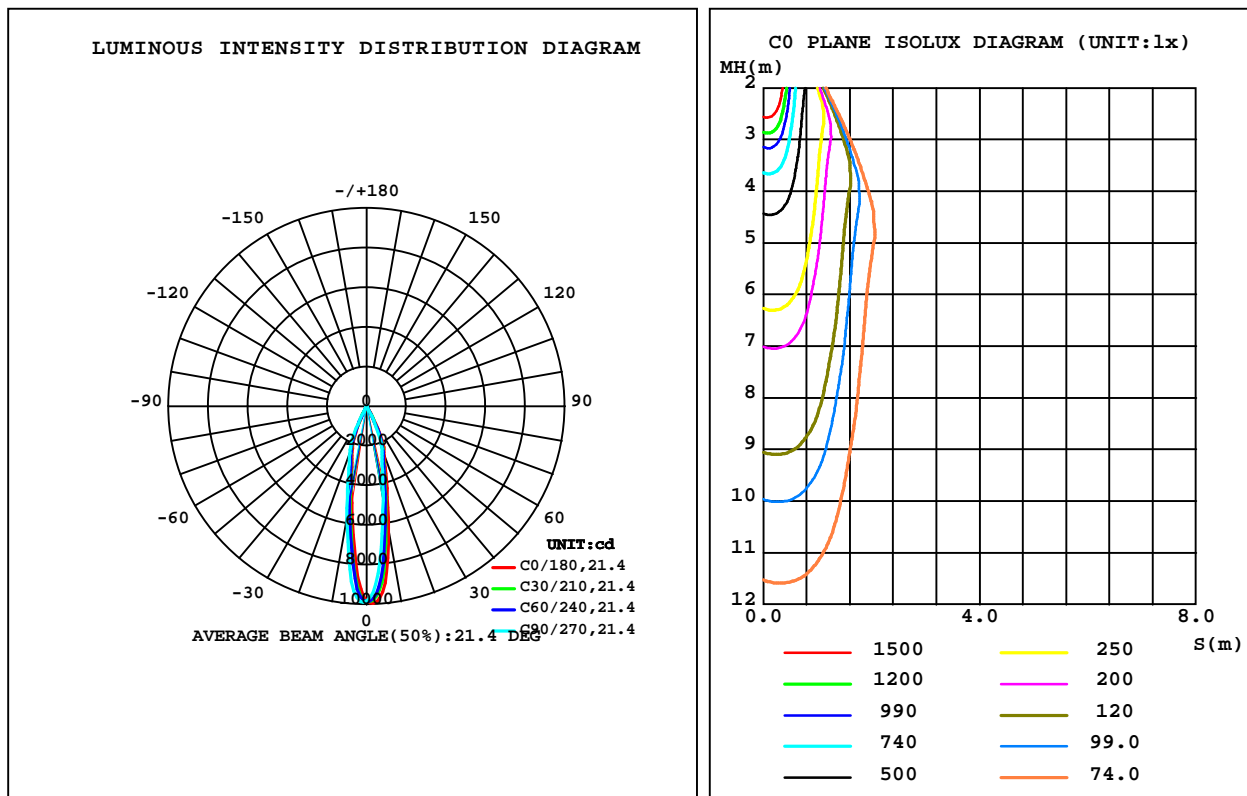


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 50.58 lm/W			
MODEL	CITIZEN	Imax(cd)	9945	S/MH(C0/180)	0.31
NOMINAL POWER(W)	45	LOR(%)	54.1	S/MH(C90/270)	0.39
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	2366.9	h UP,DN(C0-180)	0.0,26.7
NOMINAL FLUX(lm)	4371.9	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,27.4
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	230.6	h down(%)	54.1	CIBSE SHR MAX	1.00



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:GR92-24 24R
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	6369	5626	4848	4587	4476	4988	5773	6188	0- 10	693.6	693.6	29.3,15.9
20	2640	2425	2269	2173	2103	2341	2521	2621	10- 20	962.4	1656	70,37.9
30	463.1	330.6	149.1	128.9	112.7	203.7	375.4	358.4	20- 30	583.6	2240	94.6,51.2
40	66.77	59.57	59.80	57.52	58.59	58.80	62.22	63.90	30- 40	64.98	2305	97.4,52.7
50	47.74	40.30	32.07	29.59	25.81	32.11	40.73	44.14	40- 50	40.20	2345	99.1,53.6
60	9.731	8.215	6.336	6.137	4.900	5.709	7.384	8.792	50- 60	16.41	2361	99.8,54
70	2.154	1.814	1.324	1.361	1.022	1.218	1.594	2.009	60- 70	3.720	2365	99.9,54.1
80	0.5720	0.4689	0.3965	0.3705	0.2902	0.3542	0.4543	0.5436	70- 80	0.8989	2366	100,54.1
90	0.1155	0.1053	0.0780	0.0783	0.0559	0.0874	0.1213	0.1286	80- 90	0.2521	2366	100,54.1
100	0.1058	0.0827	0.0845	0.0645	0.0903	0.0903	0.0987	0.0876	90-100	0.1005	2366	100,54.1
110	0.0703	0.0682	0.0704	0.0986	0.0582	0.0957	0.1124	0.0714	100-110	0.0924	2366	100,54.1
120	0.0896	0.1207	0.1043	0.0840	0.1206	0.0941	0.1184	0.0917	110-120	0.0932	2366	100,54.1
130	0.0943	0.1015	0.0865	0.1224	0.1000	0.1183	0.1522	0.1237	120-130	0.0929	2366	100,54.1
140	0.1011	0.1275	0.0998	0.1213	0.1235	0.1227	0.1174	0.1333	130-140	0.0919	2366	100,54.1
150	0.0876	0.1395	0.1164	0.1404	0.1642	0.1849	0.1962	0.1514	140-150	0.0834	2367	100,54.1
160	0.1755	0.1779	0.1999	0.1979	0.4775	0.4110	0.3634	0.3795	150-160	0.0978	2367	100,54.1
170	0.2784	0.2905	0.3020	0.2733	0.9736	0.9777	0.9789	1.018	160-170	0.1301	2367	100,54.1
180	0.4981	0.5142	0.5589	0.5636	0.5180	0.5054	0.5425	0.5869	170-180	0.0579	2367	100,54.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

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Operators:Lirongtong
Test Date:2017-06-12

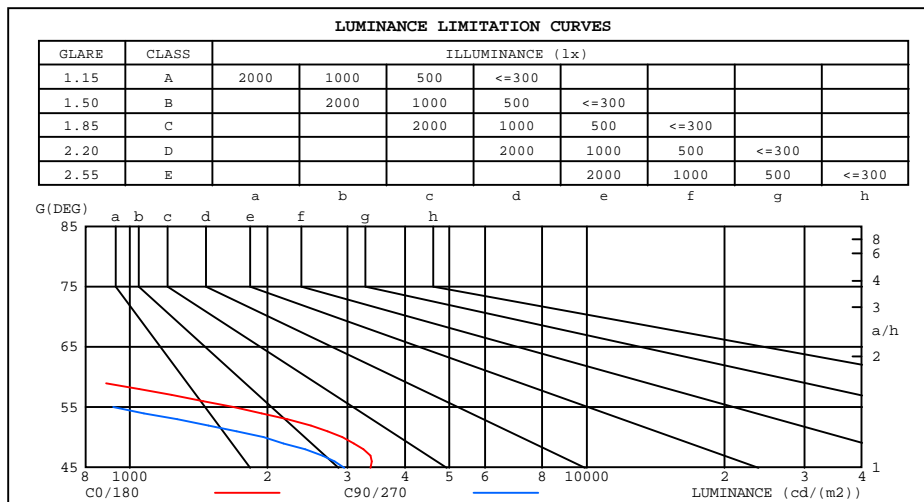
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.0438]
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90
DRIVER:LCI42W 1050mA TEC SR
REFLECTOR:GR92-24 24R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:



LUMINANCE cd/(m2)		
G(DEG)	C0/180	C90/270
85	130	87
80	130	90
75	157	106
70	248	152
65	454	270
60	765	498
55	1690	919
50	2920	1962
45	3365	2953

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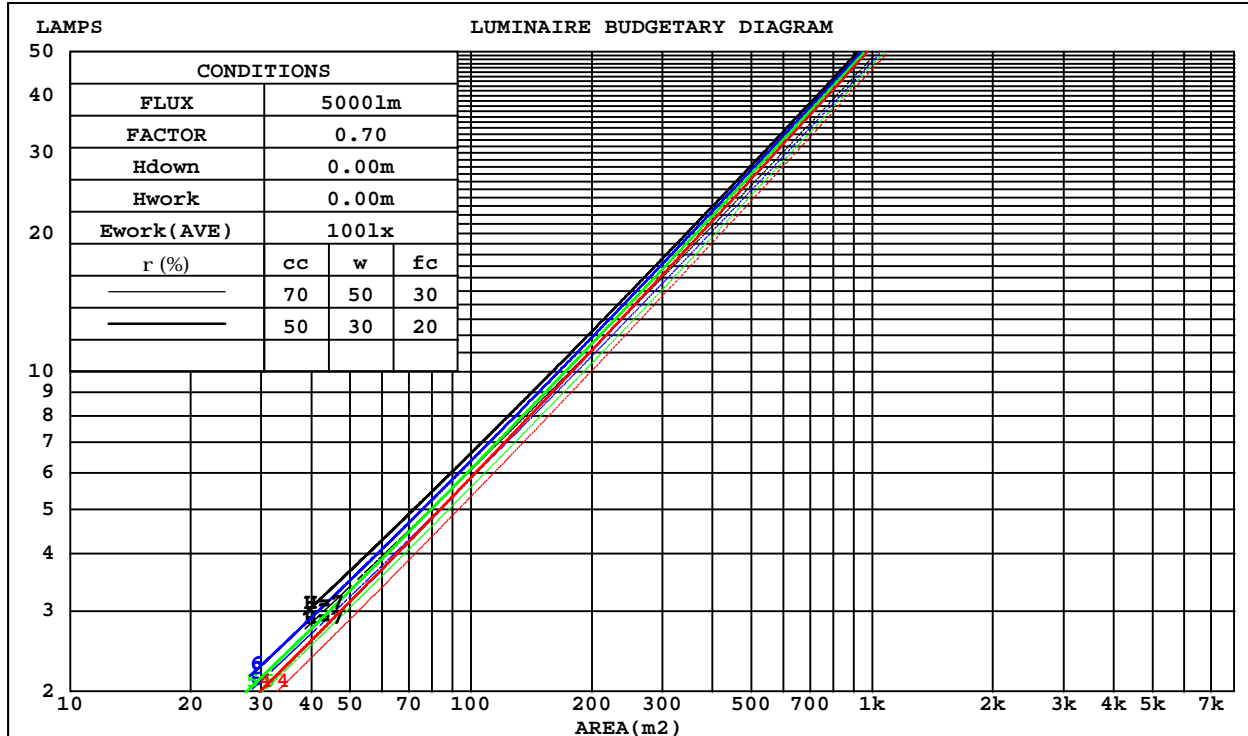


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
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SPEC.:3000K	DIM.:	SERIAL No.:1706129305
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	.64	.64	.64	.63	.63	.63	.60	.60	.60	.58	.58	.58	.55	.55	.55	.54
1.0	.61	.60	.59	.60	.59	.58	.58	.57	.56	.56	.55	.54	.54	.53	.53	.52
2.0	.58	.56	.55	.57	.55	.54	.55	.54	.53	.54	.53	.52	.52	.51	.51	.50
3.0	.55	.53	.51	.54	.52	.51	.53	.51	.50	.52	.50	.49	.51	.50	.49	.48
4.0	.53	.50	.49	.52	.50	.48	.51	.49	.48	.50	.48	.47	.49	.48	.47	.46
5.0	.50	.48	.46	.50	.48	.46	.49	.47	.46	.48	.47	.45	.48	.46	.45	.44
6.0	.49	.46	.44	.48	.46	.44	.47	.45	.44	.47	.45	.44	.46	.45	.43	.43
7.0	.47	.44	.43	.46	.44	.42	.46	.44	.42	.45	.43	.42	.45	.43	.42	.41
8.0	.45	.43	.41	.45	.42	.41	.44	.42	.41	.44	.42	.41	.43	.42	.40	.40
9.0	.44	.41	.40	.43	.41	.39	.43	.41	.39	.42	.41	.39	.42	.40	.39	.39
10.0	.42	.40	.38	.42	.40	.38	.42	.39	.38	.41	.39	.38	.41	.39	.38	.37



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Humidity:65.0%
Test Distance:2.500m [K=1.0438]
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90
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REFLECTOR:GR92-24 24R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
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	.078	.044	.014	.075	.043	.014	.068	.039	.012	.062	.036	.011	.056	.032	.010	
2.0	.073	.040	.012	.070	.039	.012	.065	.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	.034	.010	.062	.033	.010	.058	.031	.009	.055	.029	.009	.051	.028	.008	
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	.053	.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	.051	.025	.007	.049	.025	.007	.047	.024	.007	.045	.023	.007	
9.0	.050	.024	.007	.049	.024	.007	.047	.023	.007	.045	.023	.007	.044	.022	.006	
10.0	.048	.023	.006	.047	.023	.006	.046	.022	.006	.044	.022	.006	.042	.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	.103	.103	.103	.088	.088	.088	.060	.060	.060	.035	.035	.035	.011	.011	.011	
1.0	.092	.085	.080	.078	.073	.069	.054	.050	.048	.031	.029	.028	.010	.009	.009	
2.0	.082	.072	.063	.070	.062	.055	.048	.043	.038	.028	.025	.022	.009	.008	.007	
3.0	.074	.062	.051	.064	.053	.045	.044	.037	.031	.025	.022	.018	.008	.007	.006	
4.0	.068	.053	.042	.058	.046	.037	.040	.032	.026	.023	.019	.015	.007	.006	.005	
5.0	.062	.047	.035	.053	.040	.031	.037	.028	.022	.021	.017	.013	.007	.005	.004	
6.0	.058	.041	.030	.049	.036	.026	.034	.025	.018	.020	.015	.011	.006	.005	.004	
7.0	.054	.037	.025	.046	.032	.022	.032	.022	.016	.019	.013	.009	.006	.004	.003	
8.0	.050	.033	.022	.043	.029	.019	.030	.020	.013	.017	.012	.008	.006	.004	.003	
9.0	.047	.030	.019	.041	.026	.017	.028	.019	.012	.016	.011	.007	.005	.004	.002	
10.0	.045	.028	.017	.038	.024	.015	.027	.017	.010	.016	.010	.006	.005	.003	.002	

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DRIVER:LCI42W 1050mA TEC SR
REFLECTOR:GR92-24 24R
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

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NAME: 1618.163-WH24-BHCTF05					TYPE:			WEIGHT:			
SPEC.:3000K					DIM.:			SERIAL No.:1706129305			
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	1.4	2.1	1.6	2.3	2.4	-0.2	0.5	0.0	0.7	0.8	
	3H	1.3	2.0	1.6	2.2	2.4	-0.3	0.4	-0.0	0.6	0.8
	4H	1.3	1.9	1.5	2.1	2.3	-0.4	0.3	-0.1	0.5	0.7
	6H	1.2	1.8	1.5	2.0	2.2	-0.4	0.2	-0.1	0.4	0.6
	8H	1.1	1.7	1.4	1.9	2.2	-0.5	0.1	-0.2	0.3	0.6
	12H	1.1	1.6	1.4	1.9	2.2	-0.5	0.0	-0.2	0.3	0.6
4H	2H	1.3	1.9	1.5	2.1	2.3	-0.3	0.4	-0.0	0.6	0.8
	3H	1.2	1.7	1.5	2.0	2.2	-0.4	0.2	-0.1	0.4	0.7
	4H	1.1	1.6	1.4	1.9	2.2	-0.5	0.0	-0.1	0.3	0.6
	6H	1.0	1.4	1.4	1.8	2.1	-0.5	-0.1	-0.2	0.2	0.6
	8H	0.9	1.4	1.3	1.7	2.1	-0.6	-0.2	-0.2	0.2	0.5
	12H	0.9	1.3	1.3	1.6	2.0	-0.6	-0.3	-0.2	0.1	0.5
8H	4H	0.9	1.4	1.3	1.7	2.1	-0.6	-0.2	-0.2	0.2	0.5
	6H	0.8	1.2	1.3	1.6	2.0	-0.7	-0.4	-0.3	0.0	0.5
	8H	0.8	1.1	1.2	1.5	1.9	-0.7	-0.4	-0.3	-0.0	0.4
	12H	0.7	1.0	1.2	1.4	1.9	-0.8	-0.5	-0.3	-0.1	0.4
12H	4H	0.9	1.3	1.3	1.6	2.0	-0.7	-0.3	-0.2	0.1	0.5
	6H	0.8	1.1	1.2	1.5	1.9	-0.7	-0.4	-0.3	-0.0	0.4
	8H	0.7	1.0	1.2	1.4	1.9	-0.8	-0.5	-0.3	-0.1	0.4
Variations with the observer position at spacings:											
S = 1.0H		+ 1.7 / - 3.5				+ 2.0 / - 4.7					
1.5H		+ 1.3 / - 3.6				+ 1.4 / - 2.5					
2.0H		+ 4.1 / - 7.4				+ 4.4 / - 6.7					

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

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REFLECTOR:GR92-24 24R
30minutes warm-up

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UTILIZATION FACTORS TABLE

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NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

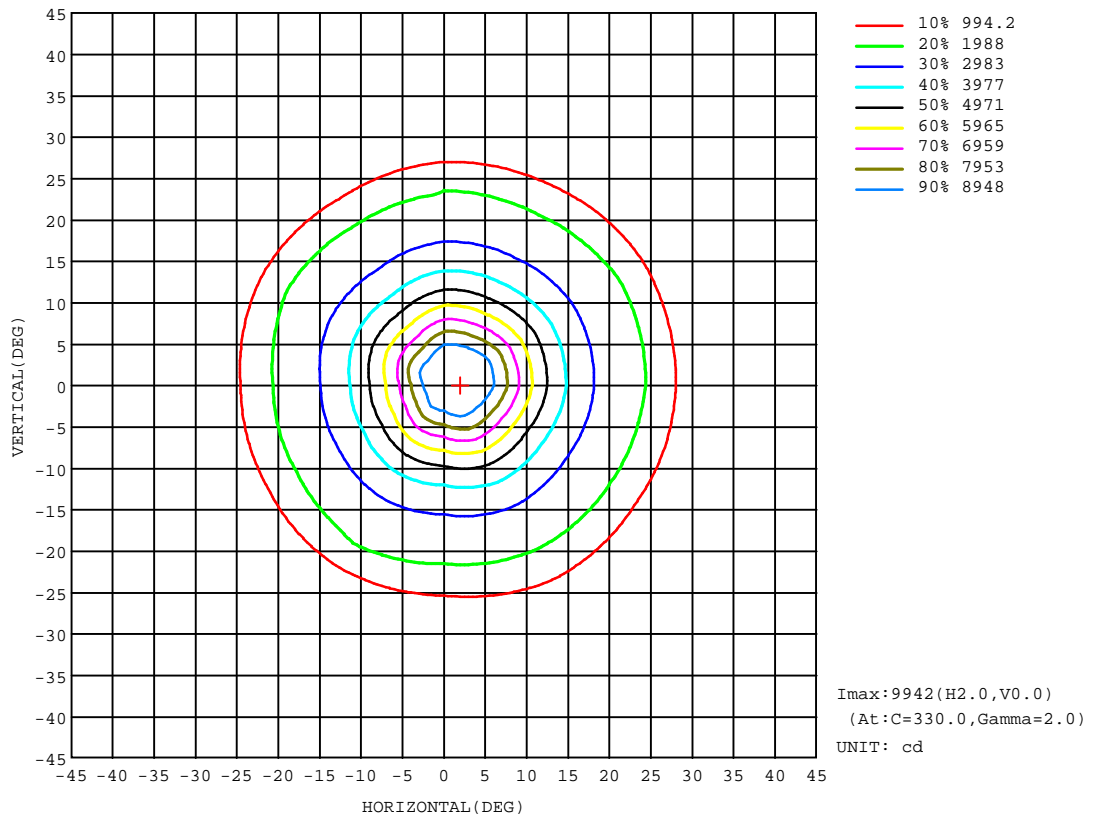
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	45	44	48	45	44	48	45	43	42
0.80	53	50	48	52	49	48	52	49	47	46
1.00	55	52	50	54	52	50	53	51	50	48
1.25	57	54	52	56	54	52	55	53	52	50
1.50	58	56	54	57	55	54	56	54	53	51
2.00	59	57	56	59	57	55	57	56	54	52
2.50	60	58	57	59	58	56	58	56	55	52
3.00	61	59	58	60	58	57	58	57	56	53
4.00	62	61	59	61	60	59	59	58	57	53
5.00	63	61	61	61	60	60	59	59	58	54
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

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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:GR92-24 24R
 30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

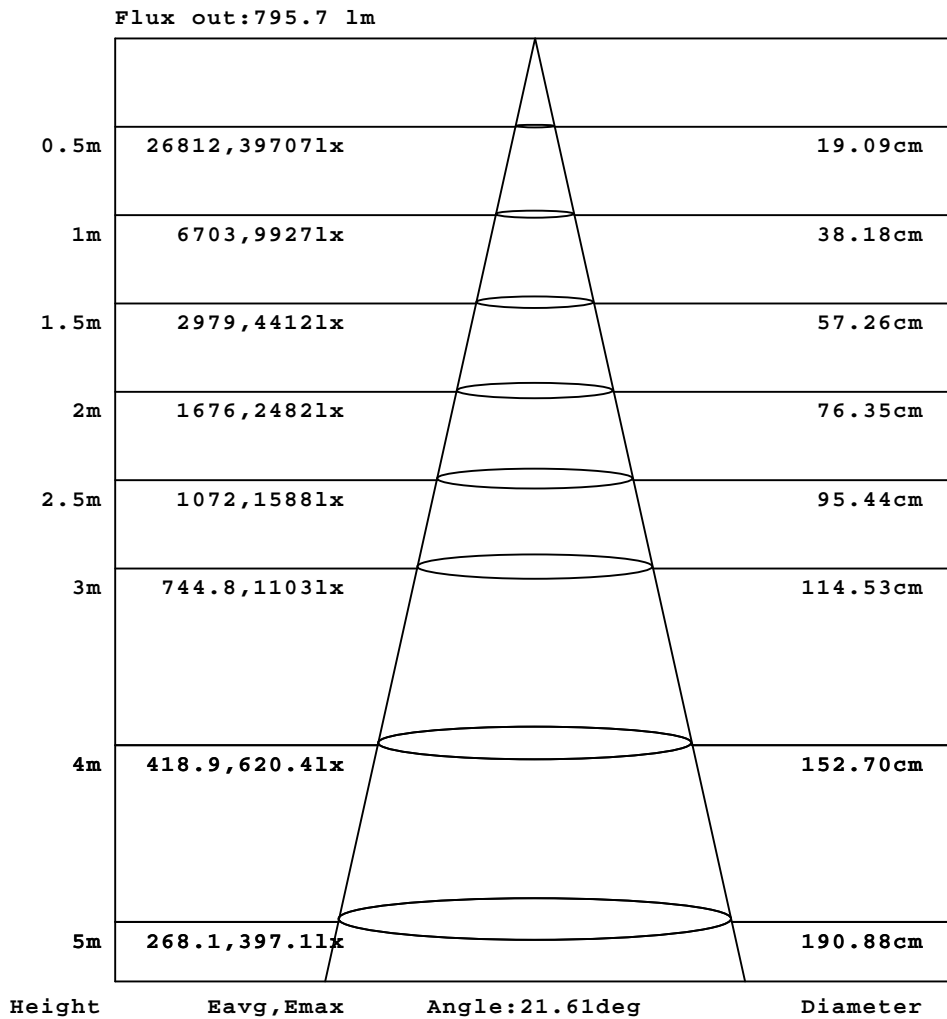


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Lirongtong
Test Date:2017-06-12

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:GR92-24 24R
30minutes warm-up

AAI Figure

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
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

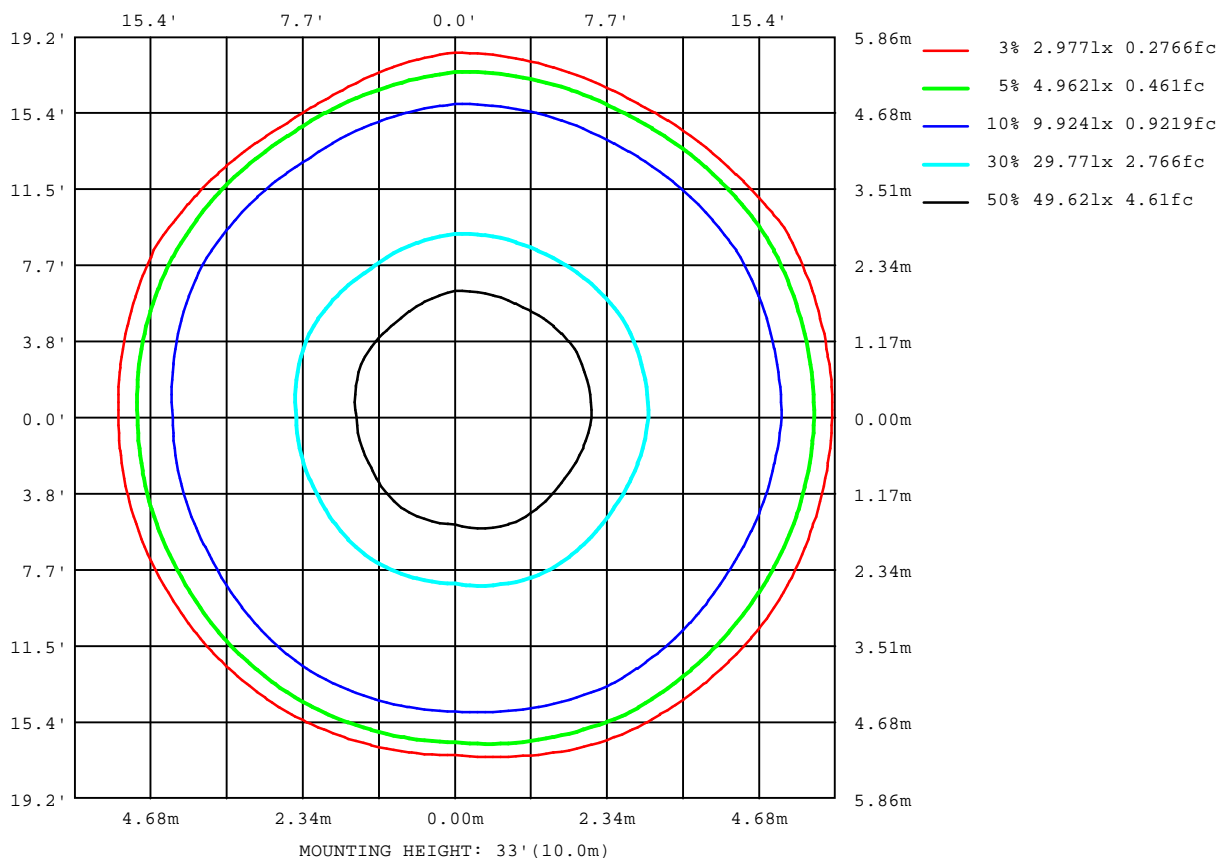
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-R3000(2M2D) SYSTEM V1.0.203
Humidity:65.0%
Test Distance:2.500m [K=1.0438]
Remarks: LAMP:CLU038-1205C4-303H5M3-F1 Ra:90
DRIVER:LCI42W 1050mA TEC SR
REFLECTOR:GR92-24 24R
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
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:GR92-24 24R
30minutes warm-up

LED Avg.L Report

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
MFR.: RISE	SUR.:0.025434m2	Shielding Angle:

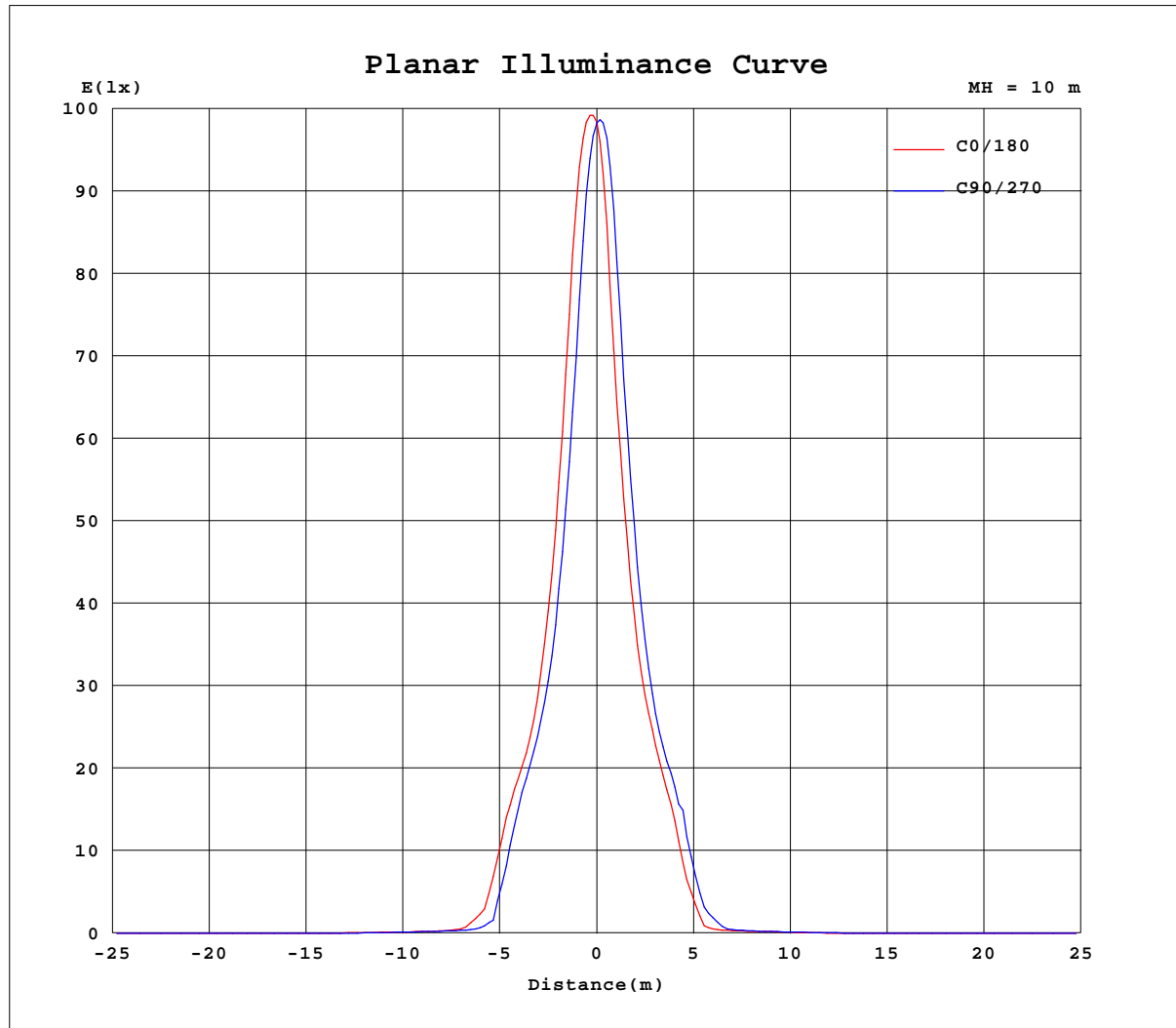
AvgL	cd/m2
L_0~180(65)av	329
L_0~180(75)av	121
L_0~180(85)av	100
L_90~270(65)av	300
L_90~270(75)av	111
L_90~270(85)av	103
L_45(65)av	330
L_45(75)av	121
L_45(85)av	96

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:GR92-24 24R
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: GR92-24 24R
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.47V I:0.2034A P:46.790W PF:0.9548 Freq:50.00Hz Lamp Flux:4371.9x1 lm		
NAME: 1618.163-WH24-BHCTF05	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1706129305
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	9834	9868	9846	9828	9864	9793	9834	9868	9846	9828	9864	9793						
5	9397	8919	8625	7775	7676	7104	7172	7851	8035	8894	9124	9492						
10	6369	5739	5513	4848	4751	4423	4476	4900	5076	5773	5940	6435						
15	3890	3535	3423	3107	3079	2937	2958	3158	3209	3565	3669	3943						
20	2640	2393	2457	2269	2259	2087	2103	2323	2359	2521	2565	2677						
25	1899	1588	1454	1107	1055	866	880	1128	1187	1580	1653	1927						
30	463	418	243	149	148	110	113	256	152	375	219	497						
35	99.3	79.4	80.7	72.9	69.3	63.6	66.3	75.3	71.9	86.6	80.4	99.1						
40	66.8	59.8	59.4	59.8	57.1	57.9	58.6	59.7	57.8	62.2	61.0	66.8						
45	60.5	58.6	57.2	53.1	52.4	47.4	47.5	52.8	51.8	57.3	57.8	60.6						
50	47.7	39.9	40.8	32.1	32.9	26.3	25.8	32.9	31.3	40.7	40.2	48.1						
55	24.7	18.5	19.6	13.4	14.2	10.5	9.88	13.5	12.7	19.3	18.7	25.6						
60	9.73	8.05	8.38	6.34	6.79	5.48	4.90	5.84	5.58	7.38	7.68	9.90						
65	4.88	3.98	4.33	2.91	3.41	2.53	2.20	2.78	2.57	3.55	3.73	4.93						
70	2.15	1.75	1.88	1.32	1.56	1.16	1.02	1.27	1.17	1.59	1.74	2.28						
75	1.03	0.82	0.93	0.70	0.79	0.61	0.56	0.64	0.63	0.76	0.86	1.07						
80	0.57	0.46	0.48	0.40	0.44	0.30	0.29	0.35	0.36	0.45	0.50	0.59						
85	0.29	0.21	0.24	0.19	0.20	0.14	0.16	0.19	0.16	0.26	0.27	0.30						
90	0.12	0.09	0.12	0.08	0.08	0.08	0.06	0.11	0.06	0.12	0.11	0.15						
95	0.10	0.07	0.10	0.07	0.10	0.10	0.10	0.10	0.10	0.12	0.08	0.09						
100	0.11	0.06	0.10	0.08	0.10	0.03	0.09	0.07	0.11	0.10	0.09	0.08						
105	0.07	0.07	0.10	0.11	0.08	0.08	0.09	0.10	0.06	0.09	0.08	0.10						
110	0.07	0.09	0.05	0.07	0.09	0.11	0.06	0.14	0.05	0.11	0.08	0.06						
115	0.11	0.09	0.09	0.05	0.10	0.09	0.09	0.10	0.14	0.11	0.08	0.12						
120	0.09	0.13	0.11	0.10	0.08	0.09	0.12	0.07	0.12	0.12	0.09	0.10						
125	0.11	0.11	0.14	0.10	0.09	0.10	0.10	0.13	0.09	0.11	0.10	0.10						
130	0.09	0.08	0.12	0.09	0.14	0.10	0.10	0.09	0.14	0.15	0.10	0.14						
135	0.12	0.12	0.13	0.10	0.13	0.13	0.10	0.12	0.12	0.14	0.14	0.13						
140	0.10	0.10	0.15	0.10	0.14	0.10	0.12	0.11	0.14	0.12	0.12	0.15						
145	0.13	0.10	0.12	0.14	0.13	0.12	0.13	0.13	0.11	0.17	0.13	0.12						
150	0.09	0.16	0.12	0.12	0.15	0.13	0.16	0.19	0.18	0.20	0.16	0.14						
155	0.13	0.14	0.18	0.20	0.13	0.20	0.28	0.26	0.27	0.25	0.25	0.24						
160	0.18	0.18	0.17	0.20	0.18	0.21	0.48	0.40	0.42	0.36	0.42	0.34						
165	0.22	0.20	0.25	0.26	0.24	0.25	0.84	0.72	0.75	0.66	0.72	0.65						
170	0.28	0.26	0.32	0.30	0.25	0.29	0.97	0.97	0.98	0.98	1.04	1.00						
175	0.24	0.26	0.31	0.28	0.24	0.28	0.74	0.83	0.80	0.88	0.89	0.96						
180	0.50	0.52	0.51	0.56	0.58	0.55	0.52	0.52	0.49	0.54	0.58	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
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:GR92-24 24R
30minutes warm-up