

Luminaire Photograph

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Light Output Ratio:	66.5%	
Luminaire Power:	5.874 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.35	fine grid method.

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C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: LIRONGTONG  
Test Date: 2017-08-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity: 65%  
Test Distance: 2.990m [K=1.0000]  
Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra: 80  
DC24V 4W  
30minutes warm-up

## LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

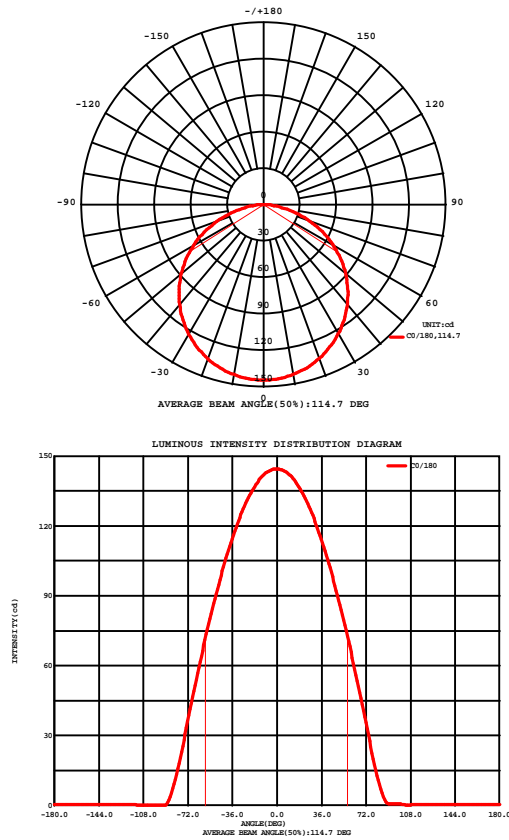


Fig. C0/C180

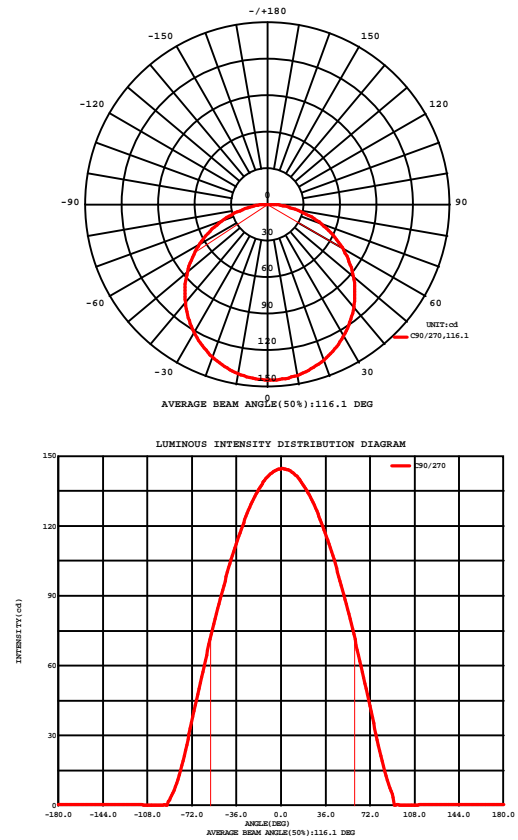


Fig. C90/C270

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: LIRONGTONG  
Test Date: 2017-08-22

Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity: 65%  
Test Distance: 2.990m [K=1.0000]  
Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra: 80  
DC24V 4W  
30minutes warm-up

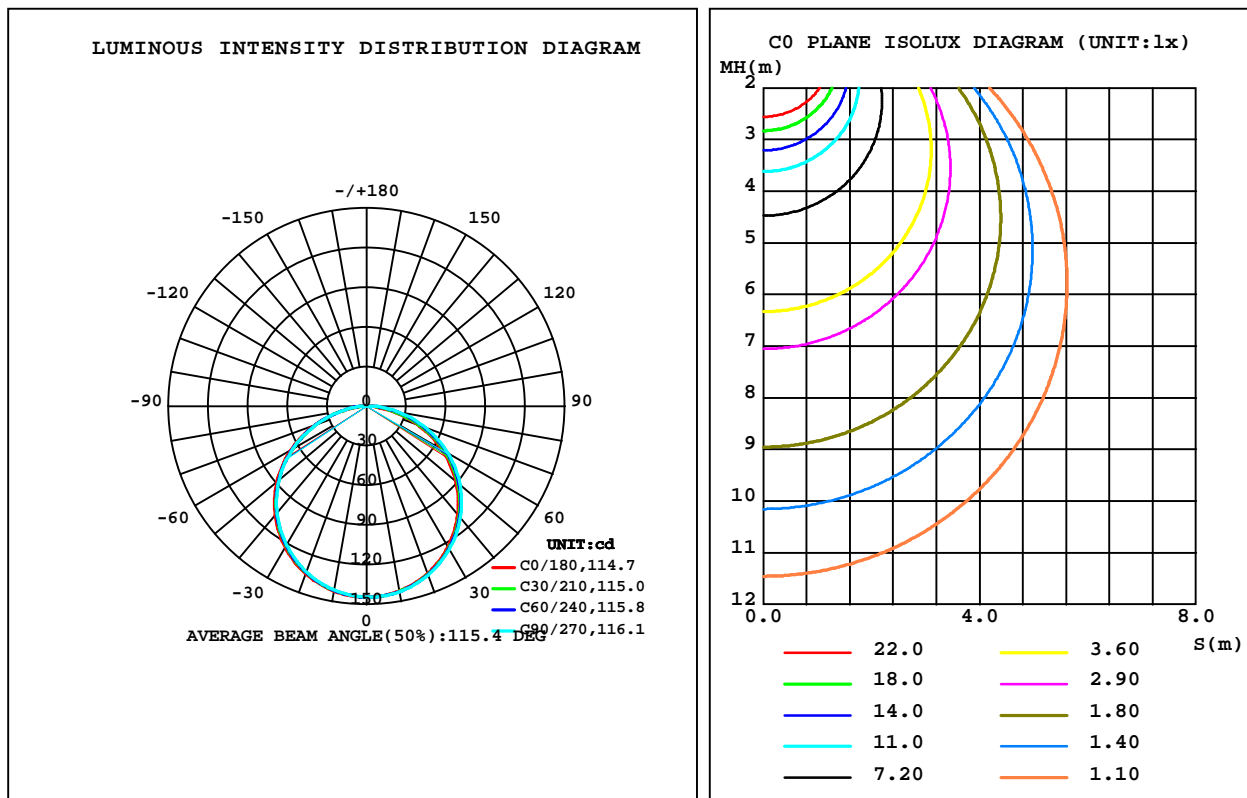


## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 73.02 lm/W			
MODEL	HONGLI	I <sub>max</sub> (cd)	144.5	S/MH(C0/180)	1.27
NOMINAL POWER(W)	4	LOR(%)	66.5	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	428.96	h UP,DN(C0-180)	0.2,33.9
NOMINAL FLUX(lm)	645.432	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.2,32.3
LAMPS INSIDE	1	h up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	h down(%)	66.1	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
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	142.0	142.5	142.7	142.6	142.1	141.6	141.4	141.5	0- 10	13.68	13.68	3.19,2.12
20	134.8	135.7	136.2	136.0	135.0	134.1	133.6	133.8	10- 20	39.25	52.93	12.3,8.2
30	123.1	124.5	125.2	124.9	123.4	122.1	121.3	121.7	20- 30	59.74	112.7	26.3,17.5
40	107.4	109.3	110.6	109.8	107.8	106.2	105.6	105.7	30- 40	72.57	185.2	43.2,28.7
50	88.15	90.74	92.45	91.33	88.65	86.97	86.46	86.36	40- 50	76.15	261.4	60.9,40.5
60	65.77	69.07	71.21	69.68	66.38	64.85	64.42	64.12	50- 60	69.91	331.3	77.2,51.3
70	40.72	44.40	47.60	44.81	41.27	40.58	40.44	39.75	60- 70	54.27	385.6	89.9,59.7
80	15.19	19.77	23.46	20.52	15.67	16.52	17.04	15.80	70- 80	31.64	417.2	97.3,64.6
90	0.6701	2.568	4.746	2.894	0.0736	1.550	2.401	1.492	80- 90	9.568	426.8	99.5,66.1
100	0.5906	0.1890	0.1761	0.1895	0.1531	0.1642	0.1764	0.1660	90-100	0.4818	427.3	99.6,66.2
110	0.2905	0.2689	0.2599	0.2519	0.2403	0.2456	0.2647	0.2572	100-110	0.2342	427.5	99.7,66.2
120	0.3691	0.3475	0.3467	0.3285	0.3176	0.3179	0.3407	0.3331	110-120	0.2959	427.8	99.7,66.3
130	0.4281	0.4039	0.4093	0.3820	0.3722	0.3586	0.4015	0.3793	120-130	0.3264	428.1	99.8,66.3
140	0.4502	0.4236	0.4335	0.4021	0.3952	0.3580	0.3873	0.3817	130-140	0.3066	428.4	99.9,66.4
150	0.4154	0.4104	0.4335	0.3838	0.3545	0.3377	0.3861	0.3668	140-150	0.2473	428.7	99.9,66.4
160	0.3562	0.3695	0.3882	0.3473	0.3014	0.3075	0.3532	0.3316	150-160	0.1691	428.8	100,66.4
170	0.3592	0.3617	0.3534	0.3429	0.3142	0.3098	0.3324	0.3378	160-170	0.0952	428.9	100,66.5
180	0.3812	0.3842	0.3808	0.3837	0.3834	0.3851	0.3798	0.3826	170-180	0.0336	429.0	100,66.5
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
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Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

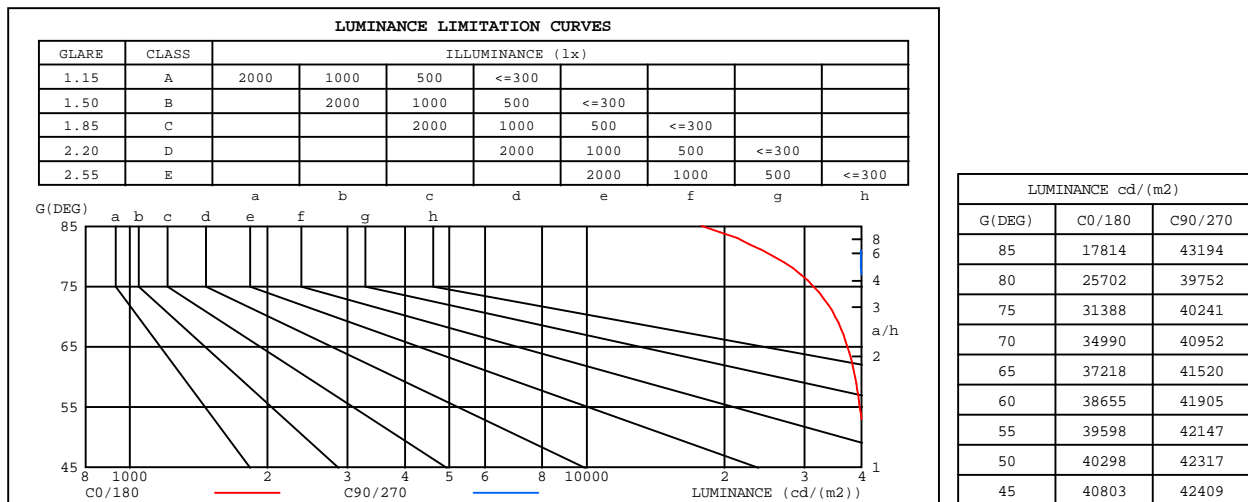
g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINANCE LIMITATION CURVES

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:



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G Interval: 1.0DEG  
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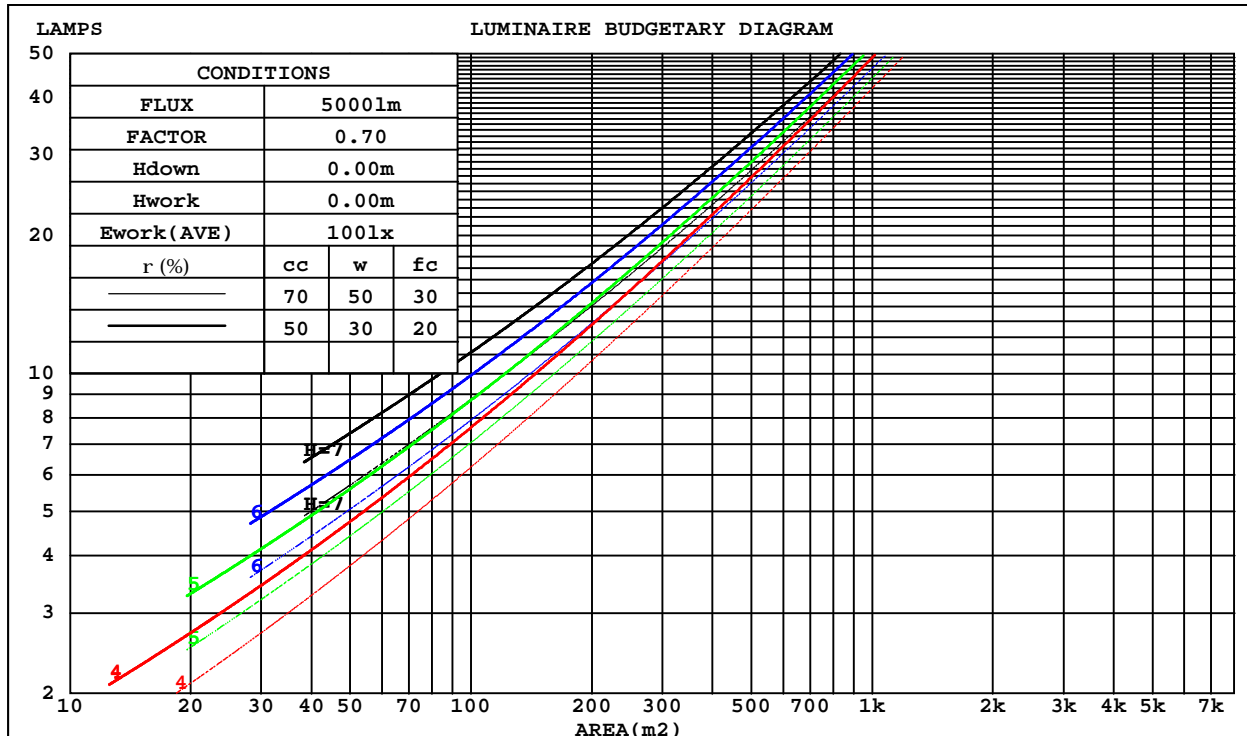


## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	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                      Coefficients of Utilization(CU)															
0.0	.79	.79	.79	.77	.77	.77	.74	.74	.74	.70	.70	.70	.68	.68	.68	.66
1.0	.69	.66	.63	.67	.64	.62	.64	.62	.60	.62	.60	.58	.59	.58	.56	.55
2.0	.60	.55	.51	.58	.54	.50	.56	.52	.49	.54	.51	.48	.52	.49	.47	.45
3.0	.52	.47	.42	.51	.46	.42	.49	.45	.41	.47	.43	.40	.45	.42	.40	.38
4.0	.46	.40	.36	.45	.40	.35	.44	.39	.35	.42	.38	.34	.40	.37	.34	.32
5.0	.41	.35	.31	.40	.35	.30	.39	.34	.30	.38	.33	.30	.36	.32	.29	.28
6.0	.37	.31	.27	.36	.31	.27	.35	.30	.26	.34	.29	.26	.33	.29	.26	.24
7.0	.34	.28	.24	.33	.27	.23	.32	.27	.23	.31	.26	.23	.30	.26	.23	.21
8.0	.31	.25	.21	.30	.25	.21	.29	.24	.21	.28	.24	.21	.28	.23	.20	.19
9.0	.28	.23	.19	.28	.22	.19	.27	.22	.19	.26	.22	.19	.25	.21	.18	.17
10.0	.26	.21	.17	.26	.20	.17	.25	.20	.17	.24	.20	.17	.24	.20	.17	.16



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Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### WEC AND CCEC

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	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	.211	.120	.038	.206	.117	.037	.197	.113	.036	.188	.109	.035	.181	.105	.034	
2.0	.197	.108	.033	.193	.106	.033	.185	.103	.032	.178	.100	.031	.171	.097	.030	
3.0	.182	.097	.029	.178	.095	.029	.171	.093	.028	.165	.090	.028	.158	.088	.027	
4.0	.168	.087	.026	.164	.086	.025	.158	.084	.025	.152	.082	.025	.147	.080	.024	
5.0	.155	.079	.023	.152	.078	.023	.146	.076	.022	.141	.074	.022	.136	.073	.022	
6.0	.143	.072	.021	.141	.071	.020	.136	.070	.020	.131	.068	.020	.127	.067	.020	
7.0	.133	.066	.019	.131	.065	.019	.126	.064	.018	.122	.063	.018	.118	.061	.018	
8.0	.124	.061	.017	.122	.060	.017	.118	.059	.017	.114	.058	.017	.111	.057	.017	
9.0	.116	.056	.016	.115	.056	.016	.111	.055	.016	.108	.054	.015	.104	.053	.015	
10.0	.109	.052	.015	.108	.052	.015	.104	.051	.014	.101	.050	.014	.098	.050	.014	

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	.129	.129	.129	.110	.110	.110	.075	.075	.075	.043	.043	.043	.014	.014	.014	
1.0	.123	.106	.092	.105	.091	.079	.072	.063	.054	.041	.036	.032	.013	.012	.010	
2.0	.118	.090	.067	.101	.078	.058	.069	.054	.041	.040	.031	.024	.013	.010	.008	
3.0	.112	.079	.052	.096	.068	.045	.066	.047	.031	.038	.028	.019	.012	.009	.006	
4.0	.107	.070	.041	.092	.060	.036	.063	.042	.025	.037	.025	.015	.012	.008	.005	
5.0	.102	.063	.034	.088	.054	.029	.061	.038	.021	.035	.022	.012	.011	.007	.004	
6.0	.098	.057	.028	.084	.050	.025	.058	.035	.018	.034	.020	.010	.011	.007	.003	
7.0	.093	.053	.025	.080	.046	.021	.055	.032	.015	.032	.019	.009	.010	.006	.003	
8.0	.089	.049	.022	.076	.042	.019	.053	.030	.013	.031	.018	.008	.010	.006	.003	
9.0	.085	.046	.019	.073	.040	.017	.051	.028	.012	.029	.016	.007	.010	.005	.002	
10.0	.081	.043	.018	.070	.037	.015	.048	.026	.011	.028	.015	.006	.009	.005	.002	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up

## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### UGR(Unified Glare Rating) Table

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm										
NAME: 1510.023B.3BTA					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:1708220077		
MFR.: RISE					SUR.:0.0034m2			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	27.3	28.8	27.5	29.0	29.2	27.5	29.1	27.8	29.3	29.5
3H	28.8	30.2	29.1	30.4	30.7	29.3	30.7	29.6	30.9	31.2
4H	29.3	30.7	29.7	31.0	31.2	30.0	31.4	30.3	31.6	31.9
6H	29.7	31.0	30.0	31.3	31.5	30.6	31.9	31.0	32.2	32.5
8H	29.8	31.0	30.1	31.3	31.6	30.9	32.1	31.2	32.4	32.7
12H	29.8	31.0	30.2	31.3	31.6	31.0	32.2	31.4	32.5	32.9
4H 2H	27.9	29.3	28.3	29.6	29.8	28.2	29.5	28.5	29.8	30.0
3H	29.6	30.8	30.0	31.1	31.4	30.1	31.3	30.4	31.6	31.9
4H	30.3	31.4	30.7	31.7	32.1	31.0	32.0	31.3	32.4	32.7
6H	30.8	31.8	31.2	32.1	32.5	31.7	32.7	32.1	33.0	33.4
8H	30.9	31.8	31.4	32.2	32.6	32.0	32.9	32.4	33.3	33.7
12H	31.0	31.8	31.4	32.2	32.6	32.3	33.1	32.7	33.5	33.9
8H 4H	30.7	31.6	31.1	31.9	32.3	31.2	32.1	31.6	32.5	32.9
6H	31.3	32.0	31.7	32.4	32.9	32.1	32.9	32.6	33.3	33.7
8H	31.5	32.2	32.0	32.6	33.1	32.6	33.2	33.0	33.7	34.1
12H	31.6	32.2	32.1	32.7	33.1	32.9	33.5	33.4	34.0	34.5
12H 4H	30.7	31.5	31.1	31.9	32.3	31.2	32.1	31.7	32.4	32.9
6H	31.4	32.0	31.8	32.5	32.9	32.2	32.9	32.7	33.3	33.8
8H	31.6	32.2	32.1	32.7	33.1	32.7	33.2	33.1	33.7	34.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H	+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H	+ 0.2 / - 0.4					+ 0.1 / - 0.3				

CIE Pub.117, 645.4 lm Total Lamp Luminous Flux Correct (8log(F/F0) = -1.5)

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### UTILIZATION FACTORS TABLE

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SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	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	38	30	25	37	30	25	36	29	25	21
0.80	44	36	32	44	36	31	42	36	31	26
1.00	50	42	37	49	42	37	48	43	37	32
1.25	55	48	43	54	47	42	52	46	42	37
1.50	58	51	47	57	51	46	55	49	45	40
2.00	63	57	52	61	56	52	59	54	51	46
2.50	65	60	56	64	59	55	61	57	54	48
3.00	68	63	59	66	62	58	63	60	57	51
4.00	70	66	63	69	65	62	66	63	60	54
5.00	72	69	66	70	67	65	67	65	63	56
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

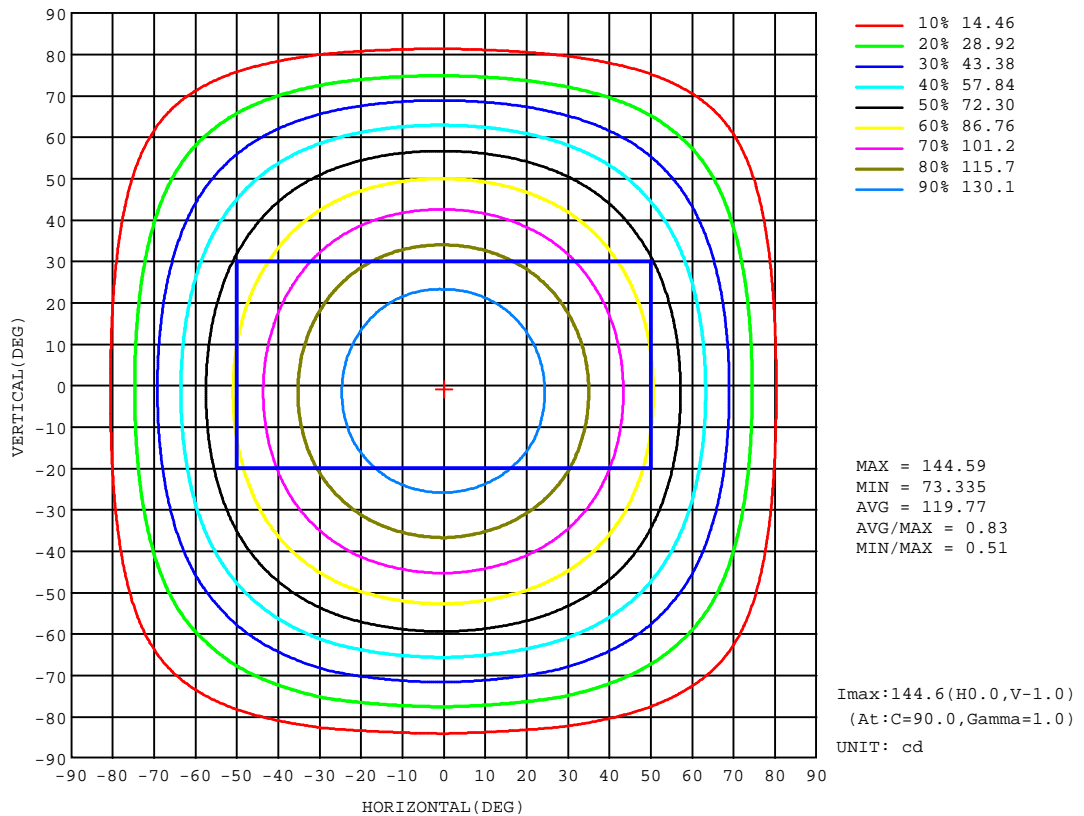
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 30minutes warm-up

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## ISOCANDELA DIAGRAM

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:

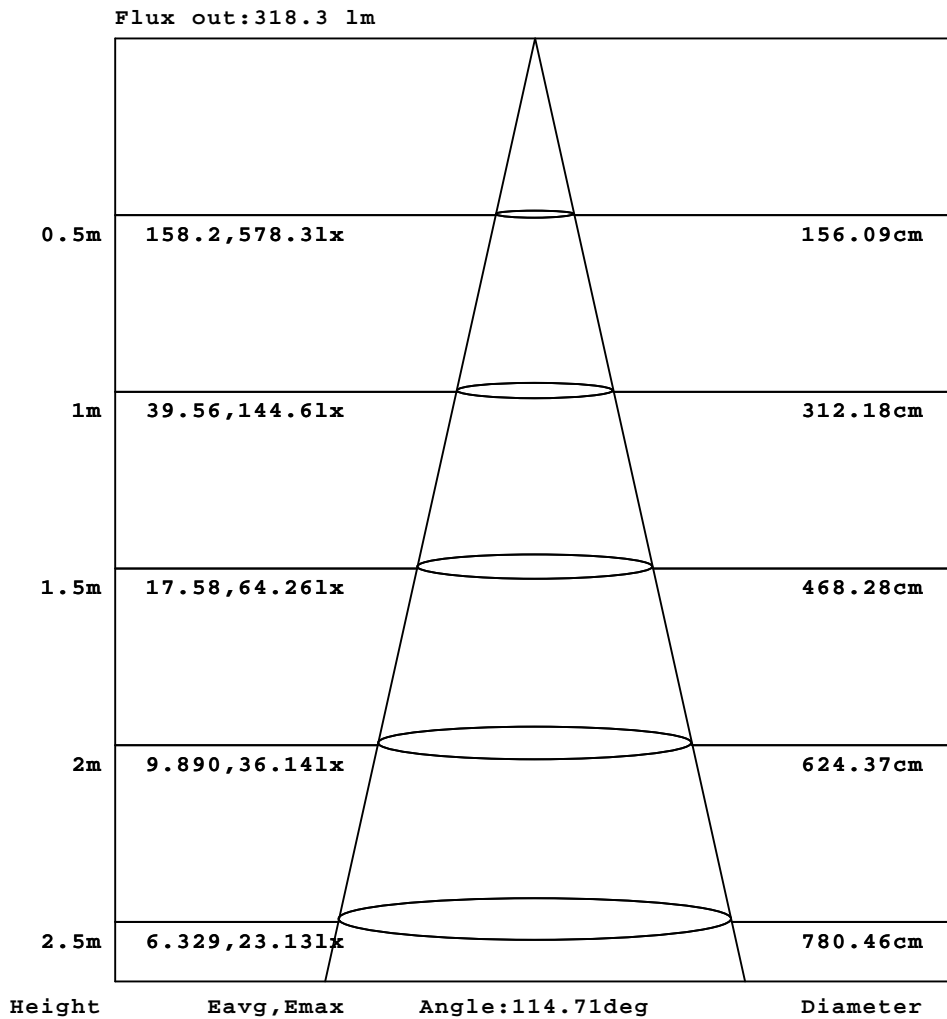


C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:LIRONGTONG  
 Test Date:2017-08-22

Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity:65%  
 Test Distance:2.990m [K=1.0000]  
 Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
 DC24V 4W  
 30minutes warm-up

## AAI Figure

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	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:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

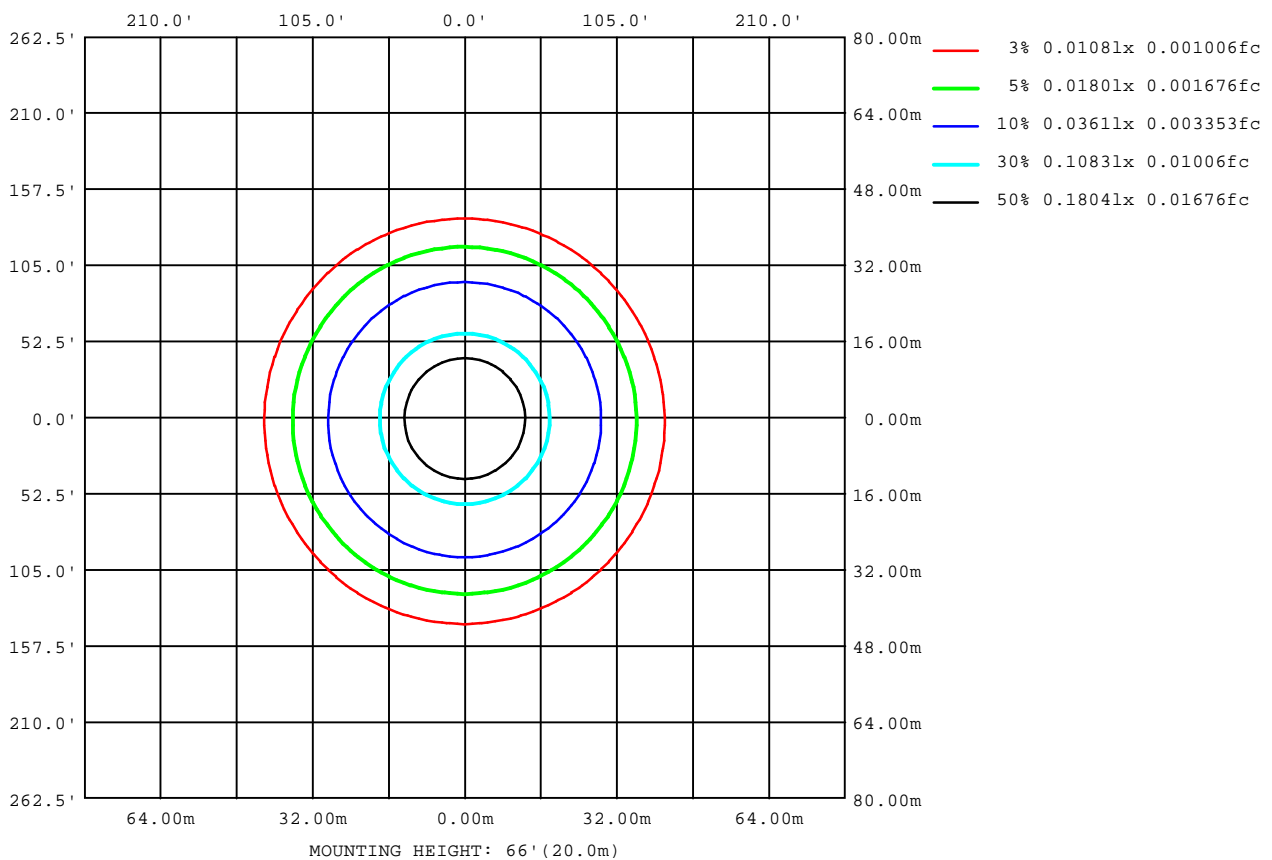
g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### ISOLUX DIAGRAM

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LED Avg.L Report

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:

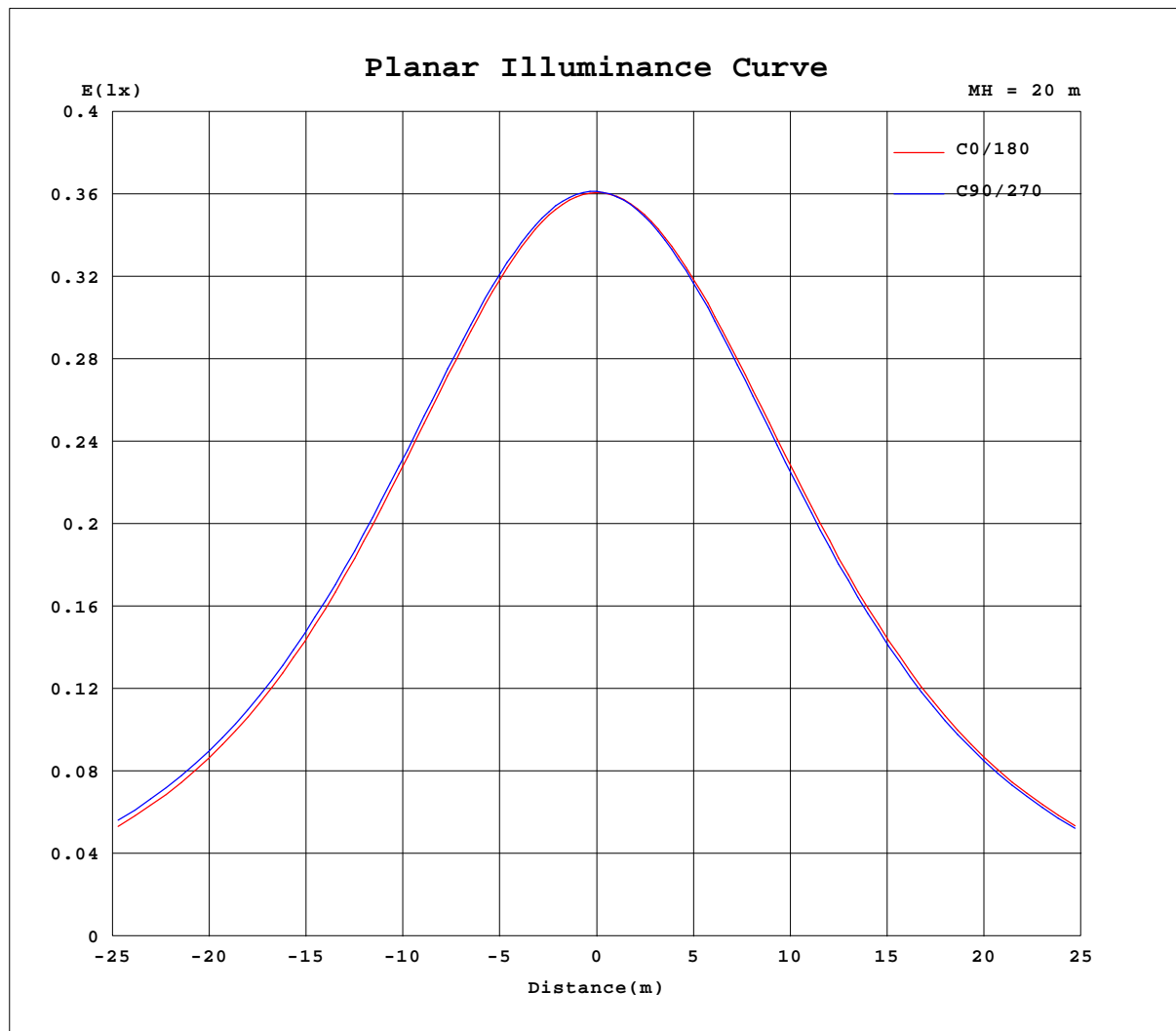
AvgL	cd/m2
L_0~180(65)av	37457
L_0~180(75)av	31654
L_0~180(85)av	17925
L_90~270(65)av	39036
L_90~270(75)av	36214
L_90~270(85)av	35040
L_45(65)av	38209
L_45(75)av	33969
L_45(85)av	28136

Standard: GB/T 29293-2012

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

g Range: 0 - 180DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up

## Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 30.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: LIRONGTONG  
 Test Date: 2017-08-22

deg Range: 0 - 180DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
 Humidity: 65%  
 Test Distance: 2.990m [K=1.0000]  
 Remarks: LAMP: HL-A-3014H421W-S1-08-HR3 Ra:80  
 DC24V 4W  
 30minutes warm-up



## RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

### LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:23.809V I:0.2467A P:5.8742W PF:1.0000 Freq:0Hz Lamp Flux:645.432x1 lm		
NAME: 1510.023B.3BTA	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1708220077
MFR.: RISE	SUR.:0.0034m2	Shielding Angle:

Table--1

UNIT: cd

C(°) g (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	144	144	144	144	144	144	144	144	144	144	144	144						
5	144	144	144	144	144	144	144	144	144	144	144	144						
10	142	142	143	143	143	143	142	142	142	141	141	142						
15	139	140	140	140	140	140	139	139	138	138	138	138						
20	135	136	136	136	136	136	135	134	134	134	134	134						
25	129	130	131	131	131	131	130	129	128	128	128	129						
30	123	124	125	125	125	125	123	122	122	121	121	122						
35	116	117	118	118	118	117	116	115	114	114	114	114						
40	107	109	110	111	110	109	108	106	106	106	105	106						
45	98.2	99.9	101	102	102	100	98.7	97.1	96.9	96.4	96.3	96.6						
50	88.1	90.0	91.4	92.4	92.1	90.6	88.6	87.0	87.0	86.5	86.3	86.4						
55	77.3	79.5	81.1	82.2	81.8	80.1	77.9	76.2	76.3	75.8	75.5	75.6						
60	65.8	68.1	70.0	71.2	70.7	68.6	66.4	64.8	64.9	64.4	64.1	64.1						
65	53.5	55.8	58.3	59.6	59.1	56.1	54.1	52.8	53.0	52.5	52.2	52.0						
70	40.7	42.5	46.3	47.6	47.0	42.6	41.3	40.4	40.8	40.4	39.9	39.6						
75	27.6	29.5	33.9	35.4	34.7	29.9	28.1	27.9	28.6	28.3	27.7	27.1						
80	15.2	17.6	21.9	23.5	22.6	18.4	15.7	16.0	17.1	17.0	16.4	15.2						
85	5.28	7.78	11.3	12.8	11.9	8.55	5.34	6.24	7.65	7.97	7.17	5.70						
90	0.67	1.42	3.71	4.75	4.10	1.69	0.07	1.19	1.91	2.40	1.92	1.06						
95	0.73	0.15	0.15	0.32	0.14	0.14	0.13	0.12	0.13	0.22	0.13	0.20						
100	0.59	0.20	0.18	0.18	0.17	0.20	0.15	0.16	0.17	0.18	0.17	0.16						
105	0.25	0.23	0.22	0.21	0.21	0.21	0.20	0.20	0.21	0.22	0.21	0.21						
110	0.29	0.27	0.26	0.26	0.25	0.25	0.24	0.24	0.25	0.26	0.26	0.26						
115	0.33	0.32	0.31	0.31	0.29	0.29	0.29	0.28	0.29	0.30	0.30	0.29						
120	0.37	0.35	0.35	0.35	0.33	0.33	0.32	0.31	0.32	0.34	0.34	0.33						
125	0.40	0.38	0.38	0.38	0.36	0.36	0.35	0.34	0.36	0.38	0.37	0.36						
130	0.43	0.40	0.40	0.41	0.39	0.38	0.37	0.35	0.36	0.40	0.38	0.38						
135	0.45	0.42	0.41	0.43	0.40	0.39	0.39	0.37	0.35	0.40	0.37	0.39						
140	0.45	0.42	0.43	0.43	0.41	0.40	0.40	0.36	0.35	0.39	0.37	0.39						
145	0.44	0.42	0.42	0.44	0.40	0.39	0.38	0.35	0.34	0.40	0.36	0.38						
150	0.42	0.40	0.42	0.43	0.40	0.37	0.35	0.34	0.34	0.39	0.36	0.37						
155	0.39	0.39	0.40	0.42	0.38	0.35	0.33	0.31	0.33	0.37	0.35	0.35						
160	0.36	0.36	0.38	0.39	0.37	0.33	0.30	0.29	0.33	0.35	0.34	0.32						
165	0.35	0.35	0.36	0.36	0.35	0.33	0.30	0.29	0.32	0.35	0.33	0.33						
170	0.36	0.37	0.35	0.35	0.35	0.34	0.31	0.30	0.32	0.33	0.33	0.35						
175	0.38	0.39	0.37	0.36	0.37	0.35	0.34	0.33	0.35	0.34	0.34	0.37						
180	0.38	0.38	0.38	0.38	0.38	0.39	0.38	0.39	0.38	0.38	0.38	0.39						

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25DEG  
Operators:LIRONGTONG  
Test Date:2017-08-22

g Range: 0 - 180DEG  
g Interval: 1.0DEG  
Test System:EVERFINE GO-SPEX500\_V1 SYSTEM V2.0.402  
Humidity:65%  
Test Distance:2.990m [K=1.0000]  
Remarks: LAMP:HL-A-3014H421W-S1-08-HR3 Ra:80  
DC24V 4W  
30minutes warm-up