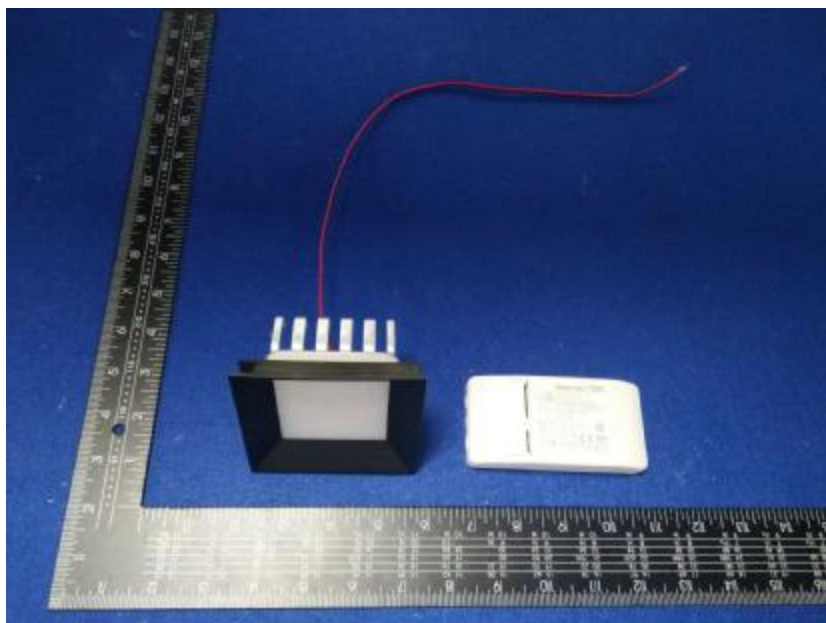


Luminaire Photograph



Light Output Ratio:	50.3%	
Luminaire Power:	13.17 W	
SHR Nominal:	1.25	Calculated using the TM5
SHR Maximum:	1.35	fine grid method.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LICHAOJIE
Test Date: 2018-09-25

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 2.990m [K=1.0000]
Remarks: LAMP: HL-AM-2835H421W-S1-08-HB Ra: 90
DRIVER: TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM

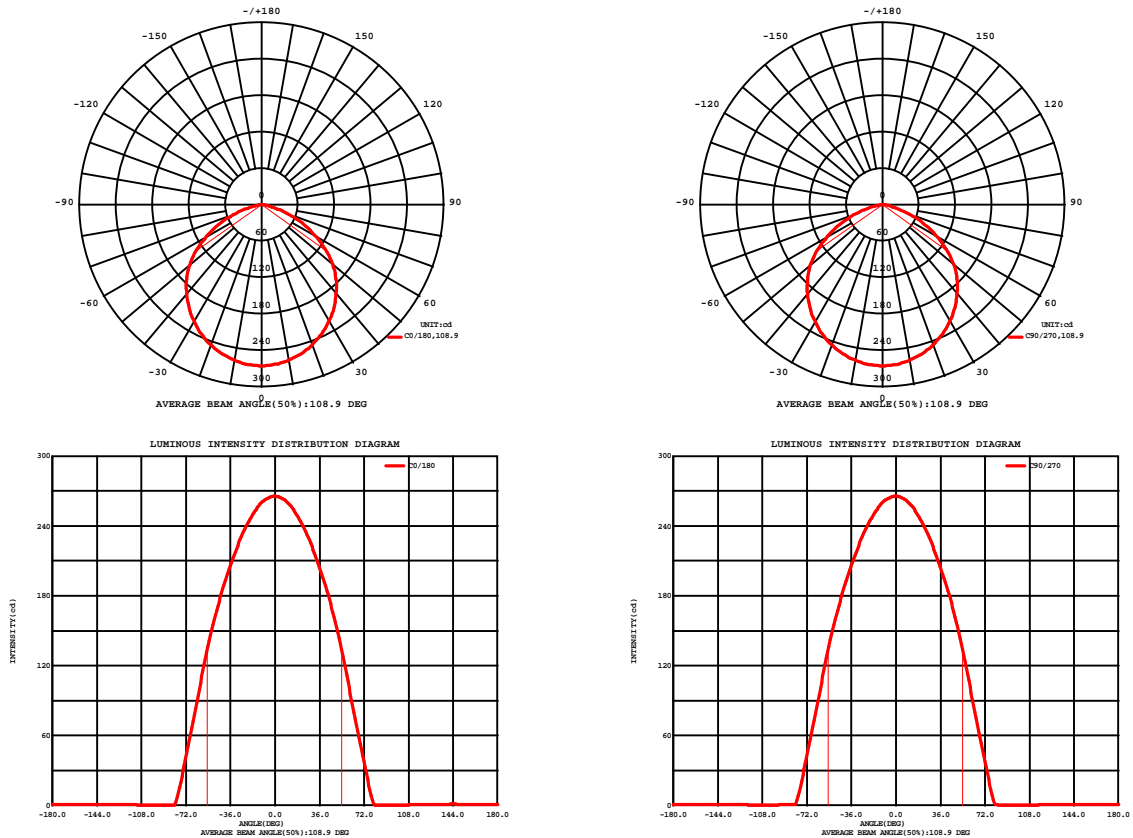


Fig. C0/C180

Fig. C90/C270

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: LICHAOJIE
Test Date: 2018-09-25

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity: 65.0%
Test Distance: 2.990m [K=1.0000]
Remarks: LAMP: HL-AM-2835H421W-S1-08-HB Ra: 90
DRIVER: TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

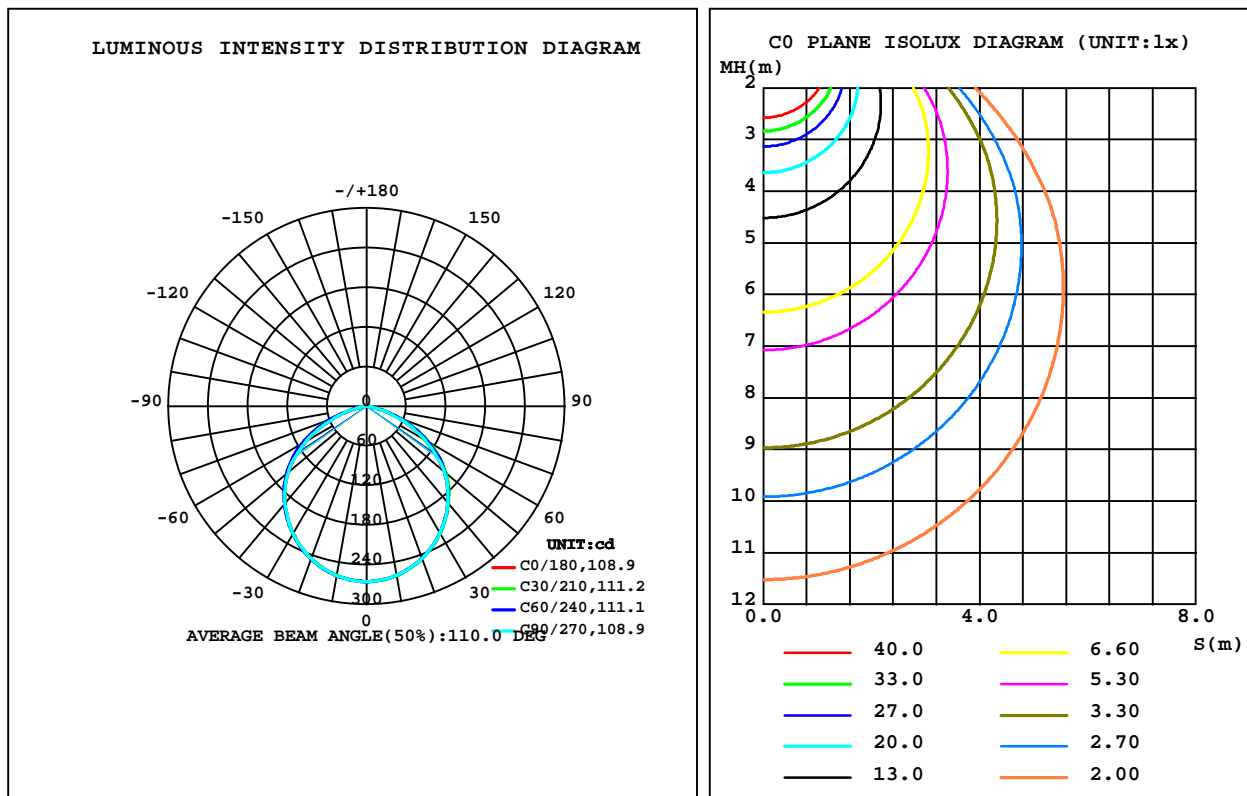


RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 53.34 lm/W			
MODEL	NICHIA	I _{max} (cd)	265.5	S/MH(C0/180)	1.25
NOMINAL POWER(W)	15	LOR(%)	50.3	S/MH(C90/270)	1.25
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	702.67	h UP,DN(C0-180)	0.1,24.9
NOMINAL FLUX(lm)	1397.9	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.1,25.1
LAMPS INSIDE	1	h up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230	h down(%)	50.0	CIBSE SHR MAX	1.35



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
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	260.2	260.2	260.3	260.6	260.5	260.5	260.6	260.1	0- 10	25.10	25.10	3.57,1.8
20	245.5	245.4	245.5	246.3	245.9	245.9	246.0	245.1	10- 20	71.71	96.81	13.8,6.93
30	222.2	222.4	222.3	223.6	222.9	223.2	223.0	222.0	20- 30	108.4	205.2	29.2,14.7
40	191.6	192.3	191.5	194.0	192.6	193.5	192.8	192.1	30- 40	130.4	335.6	47.8,24
50	153.2	155.8	153.4	157.9	155.2	157.7	155.3	155.7	40- 50	135.1	470.7	67,33.7
60	101.5	108.2	101.8	111.2	105.1	112.0	105.1	108.6	50- 60	118.9	589.6	83.9,42.2
70	47.82	53.46	48.15	56.15	50.76	57.80	51.66	53.49	60- 70	79.86	669.5	95.3,47.9
80	1.552	4.599	1.408	5.725	3.247	7.141	4.046	4.496	70- 80	28.50	698.0	99.3,49.9
90	0.3817	0.4928	0.4933	0.4898	0.3639	0.5933	0.6551	0.5665	80- 90	1.000	699.0	99.5,50
100	0.3778	0.3731	0.3121	0.3488	0.2003	0.3110	0.2679	0.3138	90-100	0.4239	699.4	99.5,50
110	0.6167	0.4687	0.4479	0.4447	0.5308	0.3954	0.3892	0.4129	100-110	0.3903	699.8	99.6,50.1
120	0.8297	0.6636	0.6251	0.6144	0.6496	0.5624	0.5618	0.6056	110-120	0.5395	700.3	99.7,50.1
130	0.7807	0.7854	0.7336	0.7182	0.6893	0.6632	0.6840	0.7543	120-130	0.6126	700.9	99.8,50.1
140	0.8992	0.9570	0.8947	0.8023	0.7714	0.7676	0.8750	0.9009	130-140	0.6061	701.5	99.8,50.2
150	1.051	0.7828	0.7904	0.7345	0.7689	0.6689	0.7011	0.7224	140-150	0.5298	702.1	99.9,50.2
160	0.7921	0.7252	0.8149	0.6923	0.8903	0.6394	0.9694	0.7740	150-160	0.3484	702.4	100,50.2
170	0.6654	0.6628	0.6468	0.6145	0.6084	0.5797	0.6081	0.6224	160-170	0.1931	702.6	100,50.3
180	0.7215	0.7262	0.6930	0.7143	0.7234	0.7267	0.6933	0.7137	170-180	0.0619	702.7	100,50.3
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

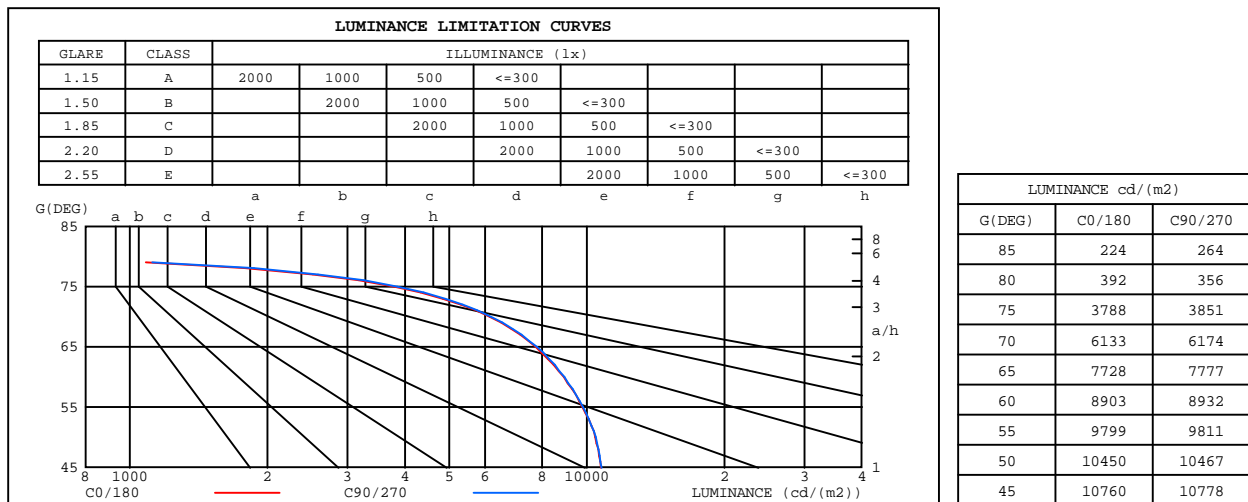
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINANCE LIMITATION CURVES

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:



C Range: 0 - 360°
 C Interval: 30.0°
 Test Speed: HIGH
 Temperature: 25.3°
 Operators: LICHAOJIE
 Test Date: 2018-09-25

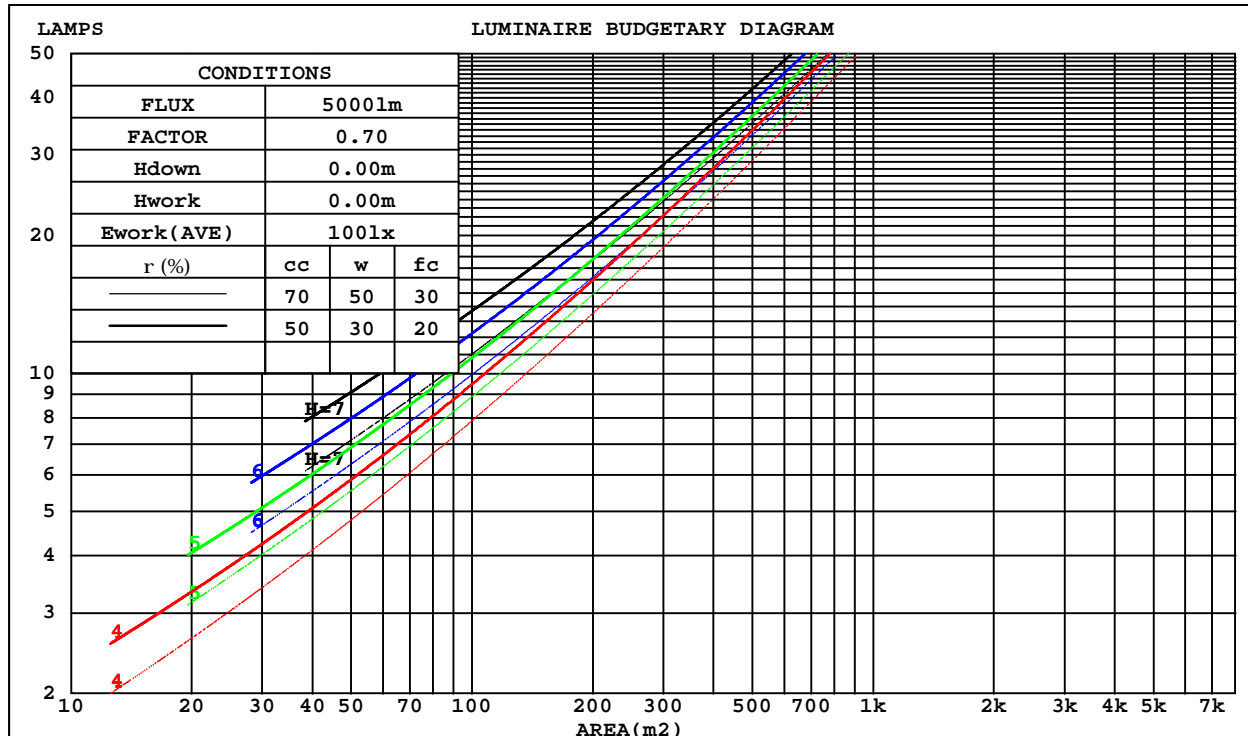
G Range: 0 - 180°
 G Interval: 1.0°
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 2.990m [K=1.0000]
 Remarks: LAMP: HL-AM-2835H421W-S1-08-HB Ra:90
 DRIVER: TRIDONIC 350MA
 +DIFFUSER
 30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9xl lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

rcc	80%			70%			50%			30%			10%			0
r w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r f c	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	.60	.60	.60	.58	.58	.58	.56	.56	.56	.53	.53	.53	.51	.51	.51	.50
1.0	.53	.51	.49	.52	.50	.49	.50	.48	.47	.48	.47	.46	.46	.45	.44	.43
2.0	.47	.43	.41	.46	.43	.40	.44	.41	.39	.42	.40	.38	.41	.39	.37	.36
3.0	.41	.37	.34	.40	.37	.34	.39	.36	.33	.37	.35	.33	.36	.34	.32	.31
4.0	.37	.32	.29	.36	.32	.29	.35	.31	.28	.33	.30	.28	.32	.30	.28	.27
5.0	.33	.28	.25	.32	.28	.25	.31	.27	.25	.30	.27	.24	.29	.26	.24	.23
6.0	.29	.25	.22	.29	.25	.22	.28	.24	.22	.27	.24	.21	.26	.23	.21	.20
7.0	.27	.22	.19	.26	.22	.19	.25	.22	.19	.25	.21	.19	.24	.21	.19	.18
8.0	.24	.20	.17	.24	.20	.17	.23	.20	.17	.23	.19	.17	.22	.19	.17	.16
9.0	.22	.18	.16	.22	.18	.15	.21	.18	.15	.21	.18	.15	.20	.17	.15	.14
10.0	.21	.17	.14	.20	.17	.14	.20	.16	.14	.19	.16	.14	.19	.16	.14	.13



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators: LICHIAOJIE
Test Date:2018-09-25

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g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
          DRIVER:TRIDONIC 350MA
          +DIFFUSER
          30minutes warm-up

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RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

WEC AND CCEC

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	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	.138	.079	.025	.135	.077	.024	.128	.073	.023	.122	.070	.023	.116	.067	.022															
2.0	.135	.074	.023	.132	.073	.022	.126	.070	.022	.120	.068	.021	.115	.065	.021															
3.0	.127	.068	.020	.125	.067	.020	.119	.065	.020	.115	.063	.019	.110	.061	.019															
4.0	.119	.062	.018	.117	.061	.018	.112	.059	.018	.108	.058	.017	.104	.056	.017															
5.0	.111	.057	.016	.109	.056	.016	.105	.055	.016	.101	.053	.016	.097	.052	.016															
6.0	.104	.052	.015	.102	.051	.015	.098	.050	.015	.095	.049	.014	.091	.048	.014															
7.0	.097	.048	.014	.095	.048	.014	.092	.047	.013	.089	.046	.013	.086	.045	.013															
8.0	.091	.044	.013	.089	.044	.012	.087	.043	.012	.084	.042	.012	.081	.042	.012															
9.0	.086	.041	.012	.084	.041	.012	.082	.040	.011	.079	.040	.011	.077	.039	.011															
10.0	.081	.039	.011	.079	.038	.011	.077	.038	.011	.075	.037	.011	.073	.037	.010															

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	.084	.084	.084	.057	.057	.057	.033	.033	.033	.010	.010	.010	
1.0	.091	.081	.071	.078	.069	.061	.054	.048	.042	.031	.028	.025	.010	.009	.008	
2.0	.087	.068	.053	.075	.059	.046	.051	.041	.032	.029	.024	.019	.009	.008	.006	
3.0	.083	.059	.041	.071	.051	.035	.049	.036	.025	.028	.021	.015	.009	.007	.005	
4.0	.079	.053	.032	.068	.046	.028	.047	.032	.020	.027	.019	.012	.009	.006	.004	
5.0	.076	.047	.026	.065	.041	.023	.045	.029	.016	.026	.017	.010	.008	.005	.003	
6.0	.072	.043	.022	.062	.037	.019	.043	.026	.014	.025	.015	.008	.008	.005	.003	
7.0	.069	.040	.019	.059	.034	.017	.041	.024	.012	.024	.014	.007	.008	.005	.002	
8.0	.066	.037	.017	.057	.032	.015	.039	.022	.010	.023	.013	.006	.007	.004	.002	
9.0	.063	.034	.015	.054	.030	.013	.038	.021	.009	.022	.012	.006	.007	.004	.002	
10.0	.060	.032	.014	.052	.028	.012	.036	.020	.008	.021	.012	.005	.007	.004	.002	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UGR(Unified Glare Rating) Table

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm										
NAME: 1800.007					TYPE:			WEIGHT:		
SPEC.:3000K					DIM.:			SERIAL No.:1809250615		
MFR.: RISE					SUR.:0.0228m2			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	19.7	21.2	20.0	21.4	21.6	19.7	21.1	19.9	21.3	21.5
3H	20.7	22.0	21.0	22.3	22.5	20.6	22.0	20.9	22.2	22.5
4H	20.8	22.1	21.2	22.4	22.6	20.8	22.1	21.1	22.3	22.6
6H	20.8	22.0	21.1	22.3	22.5	20.7	21.9	21.1	22.2	22.5
8H	20.7	21.9	21.1	22.2	22.5	20.7	21.8	21.0	22.1	22.4
12H	20.7	21.8	21.0	22.1	22.4	20.6	21.7	21.0	22.0	22.3
4H 2H	20.2	21.5	20.6	21.8	22.0	20.2	21.5	20.5	21.7	22.0
3H	21.3	22.4	21.7	22.7	23.1	21.3	22.4	21.6	22.7	23.0
4H	21.6	22.6	21.9	22.9	23.2	21.5	22.5	21.9	22.8	23.2
6H	21.5	22.4	21.9	22.8	23.1	21.5	22.3	21.9	22.7	23.1
8H	21.5	22.3	21.9	22.7	23.1	21.4	22.2	21.8	22.6	23.0
12H	21.4	22.2	21.9	22.6	23.0	21.4	22.1	21.8	22.5	22.9
8H 4H	21.6	22.4	22.0	22.8	23.2	21.5	22.4	22.0	22.7	23.1
6H	21.6	22.3	22.0	22.7	23.1	21.5	22.2	22.0	22.6	23.0
8H	21.5	22.1	22.0	22.6	23.0	21.5	22.1	21.9	22.5	23.0
12H	21.5	22.0	22.0	22.5	23.0	21.4	21.9	21.9	22.4	22.9
12H 4H	21.6	22.3	22.0	22.7	23.1	21.5	22.2	21.9	22.6	23.1
6H	21.6	22.1	22.0	22.6	23.0	21.5	22.1	22.0	22.5	23.0
8H	21.5	22.0	22.0	22.5	23.0	21.4	22.0	21.9	22.4	22.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.3 / - 0.4					+ 0.3 / - 0.4				
1.5H	+ 0.4 / - 0.6					+ 0.3 / - 0.6				
2.0H	+ 0.5 / - 0.6					+ 0.5 / - 0.6				

CIE Pub.117, 1398 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 1.2$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

UTILIZATION FACTORS TABLE

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

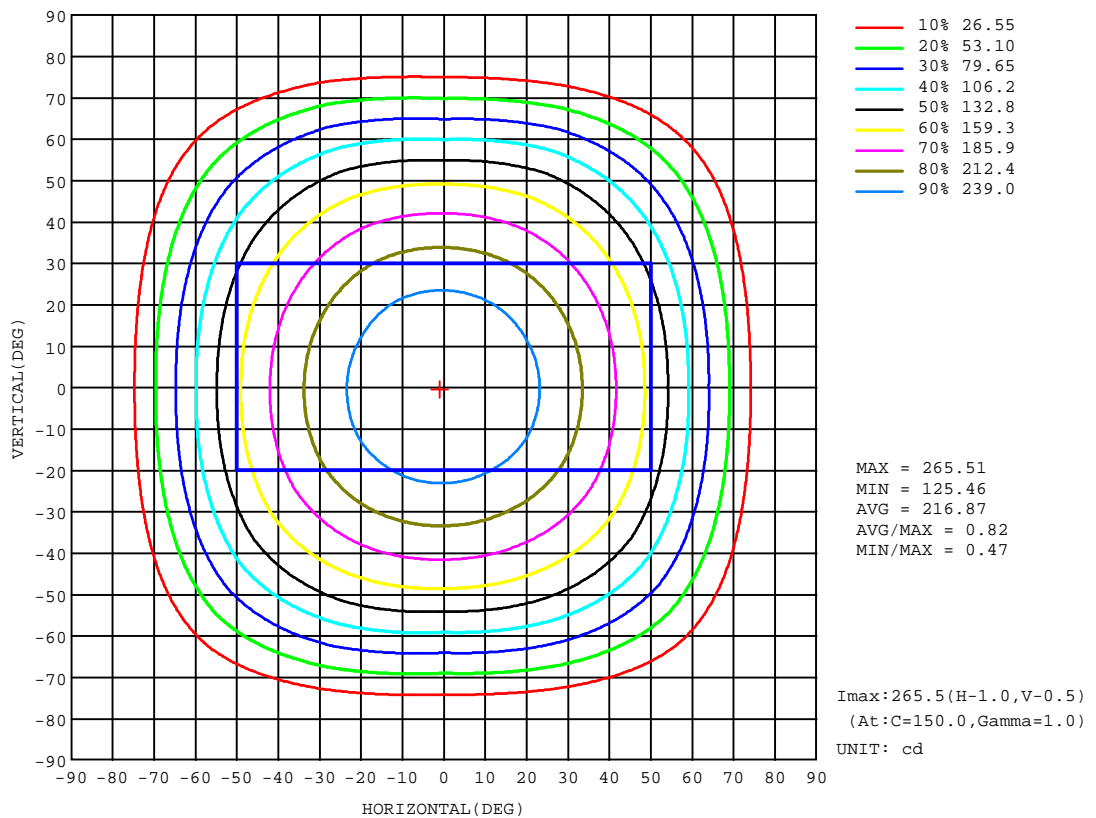
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	30	24	21	29	24	20	29	24	20	17
0.80	35	29	26	34	29	26	33	29	25	22
1.00	39	34	30	39	34	30	38	34	30	27
1.25	43	38	35	42	38	34	41	37	34	30
1.50	45	41	37	45	40	37	43	39	37	33
2.00	49	45	42	48	44	41	46	43	41	37
2.50	51	47	44	50	46	44	48	45	43	39
3.00	52	49	47	51	48	46	49	47	45	41
4.00	54	52	49	53	51	49	51	49	47	43
5.00	55	53	51	54	52	50	52	50	49	44
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:LICHAOJIE
 Test Date:2018-09-25

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity:65.0%
 Test Distance:2.990m [K=1.0000]
 Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
 DRIVER:TRIDONIC 350MA
 +DIFFUSER
 30minutes warm-up

ISOCANDELA DIAGRAM

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

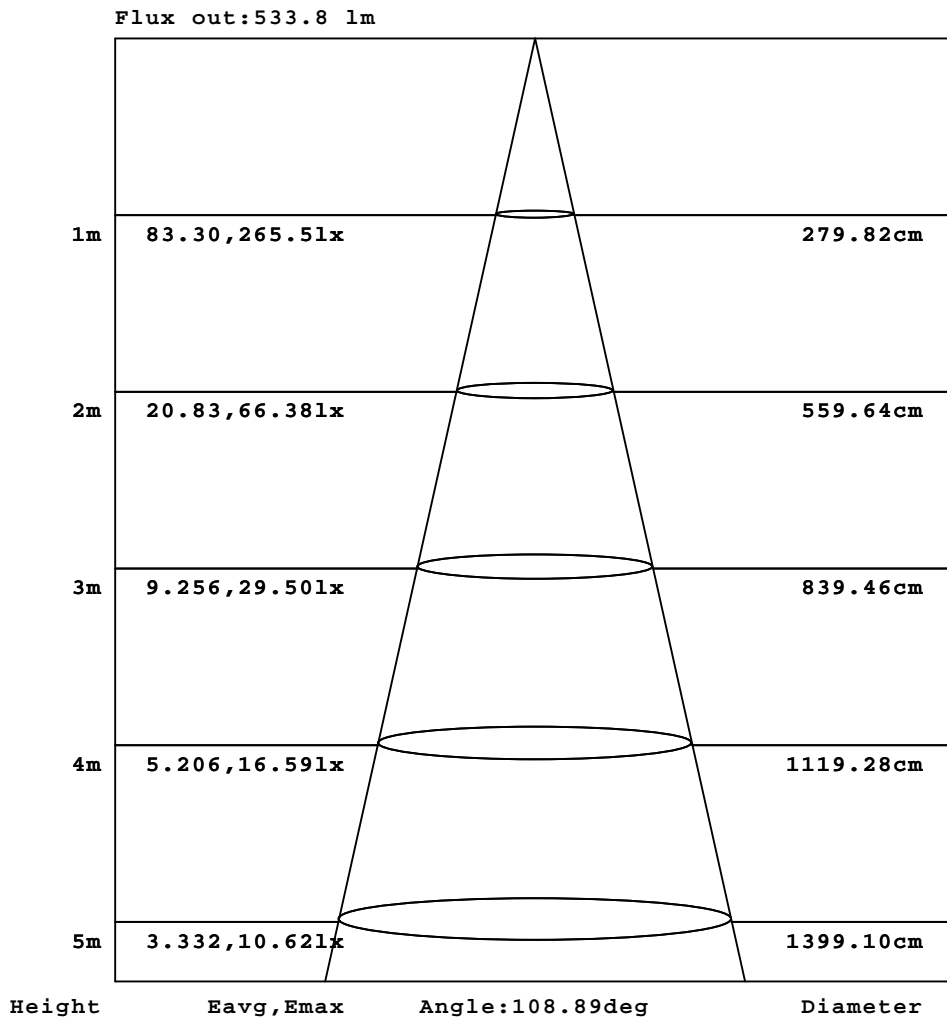


C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

AAI Figure

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	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:LICHAOJIE
Test Date:2018-09-25

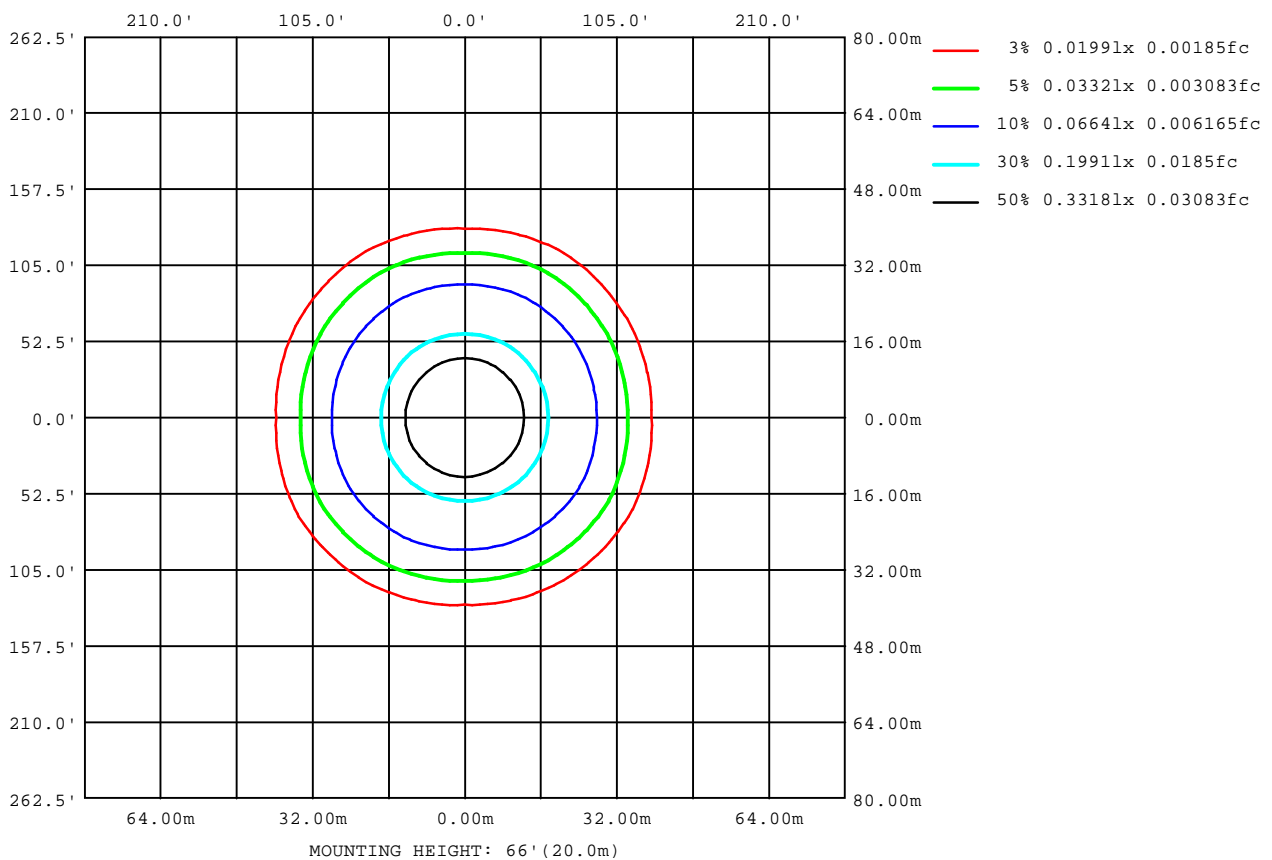
g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

ISOLUX DIAGRAM

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LED Avg.L Report

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

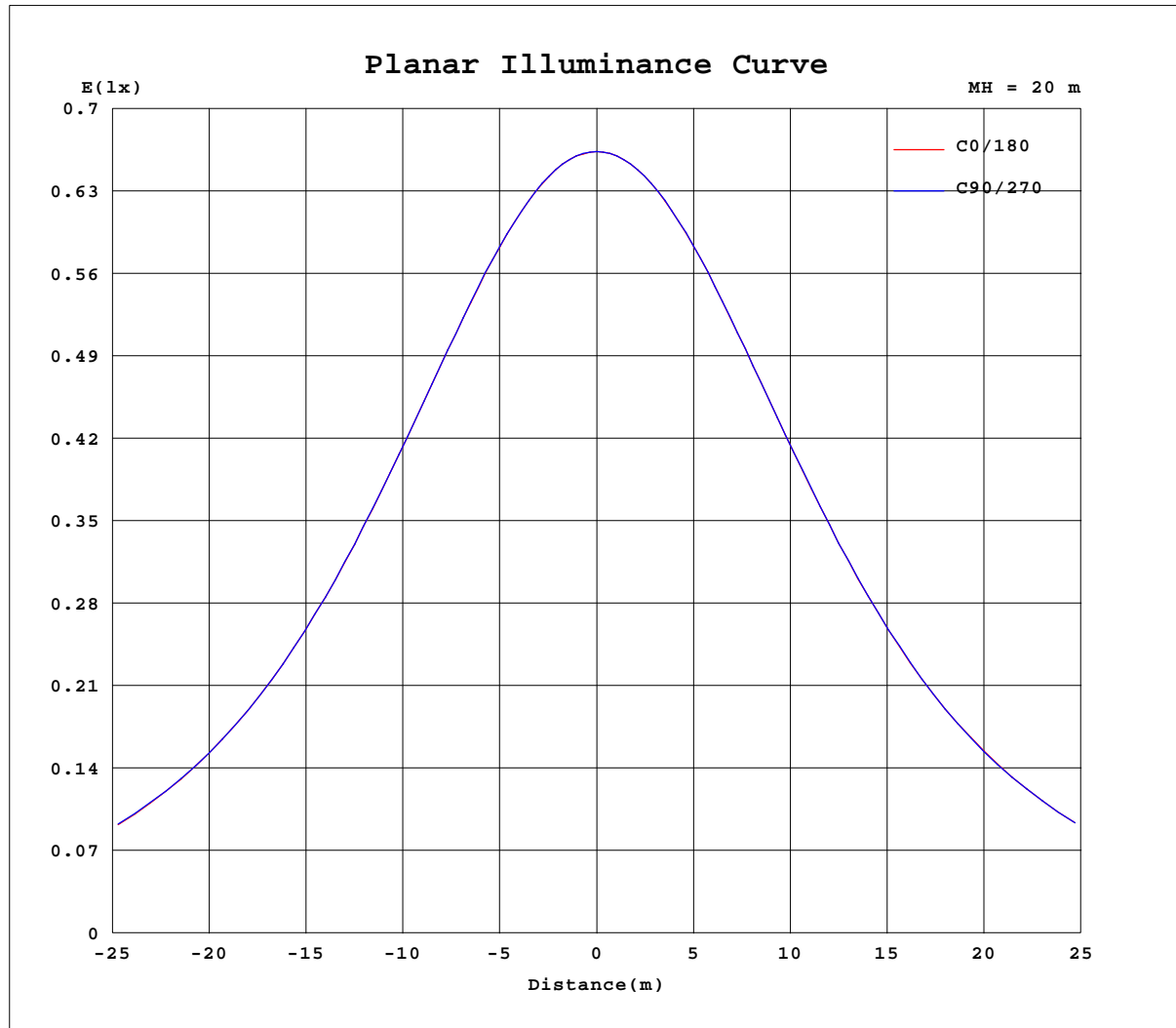
AvgL	cd/m2
L_0~180(65)av	7903
L_0~180(75)av	4017
L_0~180(85)av	209
L_90~270(65)av	7950
L_90~270(75)av	4127
L_90~270(85)av	318
L_45(65)av	8715
L_45(75)av	4710
L_45(85)av	304

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
Test Distance:2.990m [K=1.0000]
Remarks: LAMP:HL-AM-2835H421W-S1-08-HB Ra:90
DRIVER:TRIDONIC 350MA
+DIFFUSER
30minutes warm-up

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: LICHAOJIE
 Test Date: 2018-09-25

deg Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
 Humidity: 65.0%
 Test Distance: 2.990m [K=1.0000]
 Remarks: LAMP: HL-AM-2835H421W-S1-08-HB Ra:90
 DRIVER: TRIDONIC 350MA
 +DIFFUSER
 30minutes warm-up



RISE GONIOPHOTOMETERS SYSTEM TEST REPORT

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:229.84V I:0.0658A P:13.174W PF:0.8712 Freq:49.99Hz Lamp Flux:1397.9x1 lm		
NAME: 1800.007	TYPE:	WEIGHT:
SPEC.:3000K	DIM.:	SERIAL No.:1809250615
MFR.: RISE	SUR.:0.0228m2	Shielding Angle:

Table--1

UNIT: cd

C(°) g (°)	0	30	60	90	120	150	180	210	240	270	300	330						
0	265	265	265	265	265	265	265	265	265	265	265	265						
5	264	264	264	264	264	264	264	264	264	264	264	264						
10	260	260	260	260	260	261	260	260	261	261	260	260						
15	254	254	254	254	254	255	254	254	255	254	254	253						
20	245	246	245	245	246	247	246	245	246	246	245	245						
25	235	235	234	235	235	236	235	235	236	235	235	234						
30	222	223	222	222	223	224	223	223	224	223	222	222						
35	208	209	207	208	209	210	209	209	210	209	208	207						
40	192	193	192	191	193	195	193	193	194	193	193	192						
45	173	176	174	174	176	178	175	176	178	175	176	174						
50	153	157	155	153	157	159	155	157	159	155	157	155						
55	128	135	133	128	136	138	132	136	138	132	136	133						
60	101	109	107	102	110	113	105	111	113	105	111	106						
65	74.5	82.5	80.2	74.9	82.8	85.7	77.8	84.5	86.1	78.3	83.6	79.6						
70	47.8	54.3	52.7	48.2	55.1	57.1	50.8	56.8	58.8	51.7	54.8	52.2						
75	22.4	26.6	25.3	22.7	27.2	28.8	25.1	28.6	30.8	26.0	27.0	24.6						
80	1.55	5.02	4.18	1.41	5.13	6.32	3.25	6.66	7.62	4.05	5.33	3.66						
85	0.44	0.52	0.56	0.52	0.54	0.50	0.38	0.60	0.72	0.74	0.73	0.59						
90	0.38	0.47	0.52	0.49	0.51	0.47	0.36	0.54	0.65	0.66	0.63	0.50						
95	0.36	0.41	0.42	0.50	0.45	0.43	0.39	0.36	0.47	0.53	0.43	0.34						
100	0.38	0.26	0.49	0.31	0.47	0.23	0.20	0.21	0.41	0.27	0.40	0.23						
105	0.37	0.36	0.37	0.42	0.35	0.34	0.30	0.31	0.30	0.31	0.31	0.32						
110	0.62	0.47	0.47	0.45	0.45	0.44	0.53	0.40	0.39	0.39	0.41	0.42						
115	0.73	0.59	0.56	0.55	0.53	0.53	0.60	0.49	0.47	0.48	0.49	0.55						
120	0.83	0.69	0.64	0.63	0.61	0.62	0.65	0.57	0.55	0.56	0.57	0.64						
125	0.88	0.72	0.70	0.69	0.67	0.67	0.70	0.61	0.62	0.63	0.64	0.67						
130	0.78	0.77	0.80	0.73	0.72	0.72	0.69	0.66	0.67	0.68	0.76	0.75						
135	0.88	0.80	0.86	0.79	0.76	0.73	0.73	0.70	0.69	0.79	0.76	0.80						
140	0.90	0.99	0.92	0.89	0.82	0.79	0.77	0.79	0.75	0.87	0.81	0.99						
145	1.11	0.99	0.80	0.93	0.75	0.78	0.86	0.74	0.66	0.98	0.70	0.94						
150	1.05	0.79	0.77	0.79	0.73	0.74	0.77	0.69	0.65	0.70	0.70	0.75						
155	0.77	0.76	0.77	0.79	0.72	0.76	0.71	0.70	0.68	0.93	0.71	0.70						
160	0.79	0.71	0.74	0.81	0.72	0.66	0.89	0.56	0.72	0.97	0.91	0.63						
165	0.88	0.67	0.68	0.69	0.64	0.58	0.64	0.54	0.61	0.66	0.61	0.66						
170	0.67	0.68	0.64	0.65	0.62	0.60	0.61	0.57	0.59	0.61	0.60	0.65						
175	0.68	0.71	0.68	0.65	0.68	0.64	0.63	0.62	0.66	0.63	0.64	0.69						
180	0.72	0.73	0.72	0.69	0.71	0.72	0.72	0.73	0.72	0.69	0.71	0.72						

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:LICHAOJIE
Test Date:2018-09-25

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE GO-SPEX500_V1 SYSTEM V2.0.402
Humidity:65.0%
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DRIVER:TRIDONIC 350MA
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30minutes warm-up