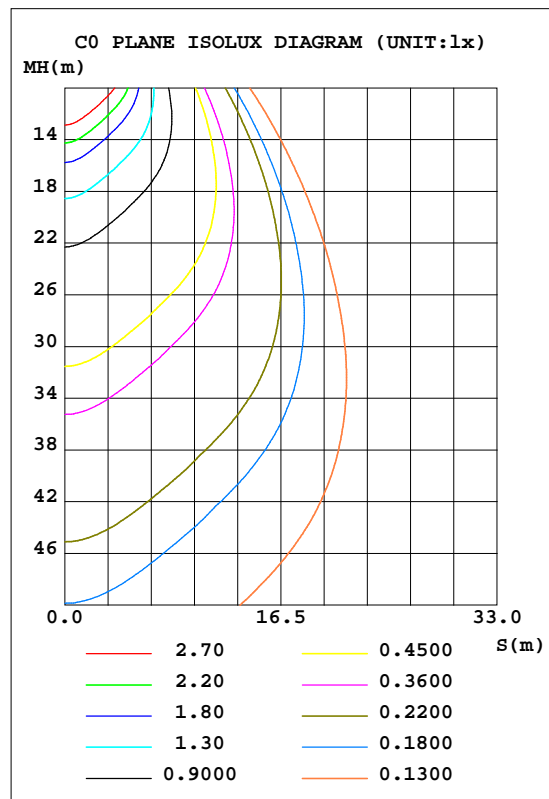
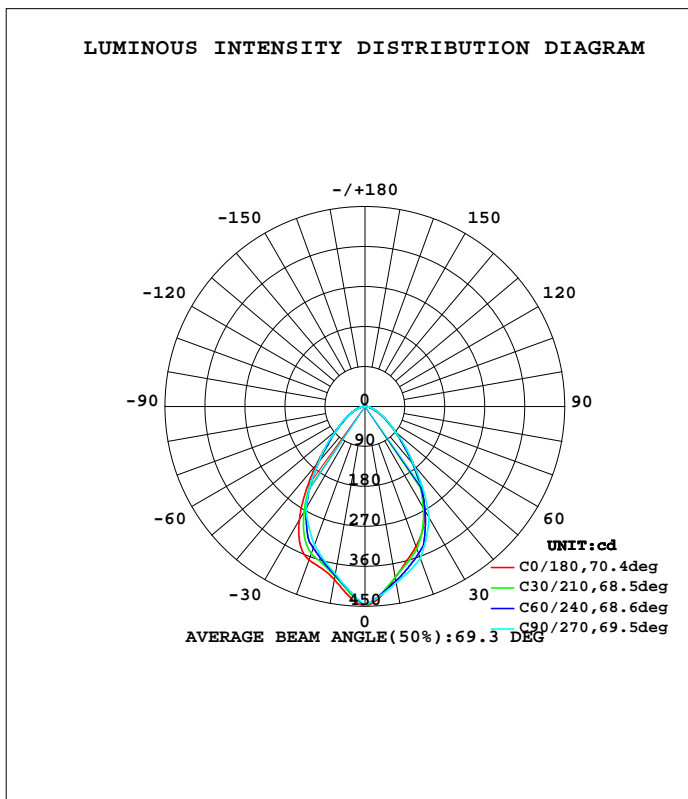


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 78.75 lm/W
MODEL	5RS045-4000K	I _{max} (cd)	447.7	S/MH(C0/180)	0.95	
NOMINAL POWER(W)	8	LOR(%)	100.0	S/MH(C90/270)	1.01	
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	639.57	h UP, DN(C0-180)	0.0, 51.2	
NOMINAL FLUX(lm)	639.566	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 48.8	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.00	
TEST VOLTAGE(V)	230.3	h down(%)	100.0	CIBSE SHR MAX	1.05	



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

deg Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
5	427.3	422.9	425.5	423.6	427.8	417.1	415.1	415.2	0- 5	10.31	10.31	1.61,1.61
10	391.3	394.9	403.4	399.1	396.1	387.1	382.6	380.1	5- 10	28.91	39.22	6.13,6.13
15	360.4	371.3	384.1	384.5	377.3	365.8	357.5	354.1	10- 15	44.94	84.16	13.2,13.2
20	335.7	344.4	364.7	371.7	367.8	342.4	332.4	331.0	15- 20	59.10	143.3	22.4,22.4
25	307.1	312.9	327.0	351.7	344.8	315.6	299.4	307.1	20- 25	70.35	213.6	33.4,33.4
30	268.8	267.1	289.3	305.3	296.5	269.9	266.3	270.9	25- 30	75.73	289.3	45.2,45.2
35	221.9	214.0	229.6	242.3	232.2	212.9	213.7	223.1	30- 35	73.87	363.2	56.8,56.8
40	171.4	164.6	169.8	181.4	169.8	158.9	161.0	174.0	35- 40	65.27	428.5	67,67
45	126.5	123.3	129.4	131.8	121.0	116.9	122.7	129.0	40- 45	53.79	482.3	75.4,75.4
50	91.59	89.39	89.00	92.08	86.67	82.91	84.35	91.33	45- 50	42.80	525.1	82.1,82.1
55	65.93	66.53	68.65	68.46	62.91	61.78	64.17	66.92	50- 55	33.25	558.3	87.3,87.3
60	46.59	47.78	48.30	48.94	45.45	44.47	44.00	46.40	55- 60	25.73	584.1	91.3,91.3
65	32.10	34.67	36.75	35.63	32.61	32.17	32.50	32.48	60- 65	19.33	603.4	94.3,94.3
70	21.31	24.24	25.19	25.08	22.87	22.38	20.99	21.65	65- 70	14.20	617.6	96.6,96.6
75	14.20	16.25	18.35	17.01	15.47	14.88	14.79	13.89	70- 75	9.985	627.6	98.1,98.1
80	8.970	10.67	11.50	11.07	9.768	9.250	8.586	8.541	75- 80	6.787	634.4	99.2,99.2
85	2.157	5.434	5.821	5.536	2.718	4.344	4.330	3.990	80- 85	3.939	638.3	99.8,99.8
90	0.0185	0.1914	0.1420	0.1235	0.0451	0.0741	0.0741	0.0865	85- 90	1.271	639.6	100,100
95									90- 95			
100									95-100			
105									100-105			
110									105-110			
115									110-115			
120									115-120			
125									120-125			
130									125-130			
135									130-135			
140									135-140			
145									140-145			
150									145-150			
155									150-155			
160									155-160			
165									160-165			
170									165-170			
175									170-175			
180									175-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

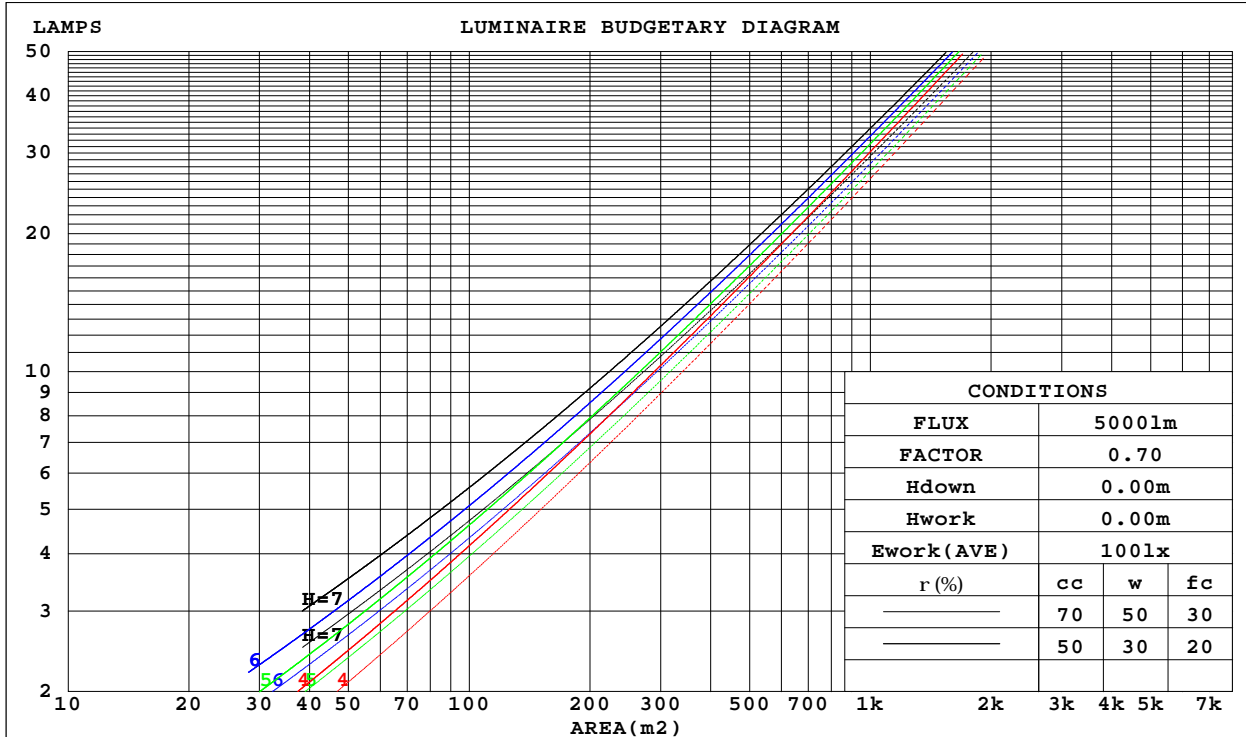
C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

r _{cc}	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 _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	1.00
1.0	1.08	1.04	1.01	1.05	1.02	.99	1.01	.99	.96	.97	.95	.94	.94	.92	.91	.89
2.0	.97	.92	.87	.95	.90	.86	.92	.88	.84	.89	.85	.82	.86	.83	.80	.78
3.0	.88	.81	.76	.86	.80	.75	.83	.78	.74	.81	.76	.73	.78	.75	.72	.70
4.0	.80	.73	.67	.79	.72	.67	.76	.70	.66	.74	.69	.65	.72	.68	.64	.62
5.0	.73	.65	.60	.72	.65	.60	.70	.64	.59	.68	.63	.58	.66	.62	.58	.56
6.0	.67	.59	.54	.66	.59	.54	.64	.58	.53	.63	.57	.53	.61	.56	.52	.51
7.0	.62	.54	.49	.61	.54	.49	.60	.53	.48	.58	.52	.48	.57	.52	.48	.46
8.0	.57	.50	.45	.56	.49	.45	.55	.49	.44	.54	.48	.44	.53	.48	.44	.42
9.0	.53	.46	.41	.53	.46	.41	.51	.45	.41	.50	.45	.41	.50	.44	.40	.39
10.0	.50	.43	.38	.49	.42	.38	.48	.42	.38	.47	.42	.38	.46	.41	.37	.36



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

WEC AND CCEC

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION 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 _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.240	.137	.043	.233	.133	.042	.220	.126	.040	.208	.120	.039	.198	.114	.037	
2.0	.230	.126	.039	.224	.123	.038	.213	.118	.037	.202	.113	.036	.193	.109	.034	
3.0	.216	.115	.035	.211	.113	.034	.202	.109	.033	.193	.106	.032	.184	.102	.032	
4.0	.203	.106	.031	.199	.104	.031	.190	.101	.030	.183	.098	.030	.175	.095	.029	
5.0	.191	.097	.028	.187	.096	.028	.180	.094	.028	.173	.091	.027	.166	.089	.027	
6.0	.180	.090	.026	.177	.089	.026	.170	.087	.025	.164	.085	.025	.158	.083	.025	
7.0	.170	.084	.024	.167	.083	.024	.161	.081	.023	.155	.080	.023	.150	.078	.023	
8.0	.160	.078	.022	.158	.078	.022	.152	.076	.022	.147	.075	.022	.143	.073	.021	
9.0	.152	.074	.021	.149	.073	.020	.145	.072	.020	.140	.070	.020	.136	.069	.020	
10.0	.144	.069	.019	.142	.069	.019	.138	.067	.019	.134	.066	.019	.130	.065	.019	

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 _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.175	.157	.140	.150	.135	.120	.103	.093	.083	.059	.054	.048	.019	.017	.016	
2.0	.164	.132	.106	.140	.114	.091	.096	.079	.064	.055	.046	.037	.018	.015	.012	
3.0	.154	.114	.082	.132	.098	.071	.091	.068	.050	.052	.040	.029	.017	.013	.010	
4.0	.146	.100	.065	.125	.086	.057	.086	.060	.040	.050	.035	.024	.016	.011	.008	
5.0	.138	.089	.053	.118	.077	.046	.082	.054	.033	.047	.032	.019	.015	.010	.006	
6.0	.131	.080	.044	.112	.070	.038	.078	.049	.027	.045	.029	.016	.015	.009	.005	
7.0	.124	.073	.037	.107	.063	.032	.074	.044	.023	.043	.026	.014	.014	.009	.005	
8.0	.119	.067	.032	.102	.058	.028	.071	.041	.020	.041	.024	.012	.013	.008	.004	
9.0	.113	.062	.028	.097	.054	.024	.068	.038	.017	.039	.022	.010	.013	.007	.003	
10.0	.108	.058	.025	.093	.050	.021	.065	.035	.015	.038	.021	.009	.012	.007	.003	

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 g Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

Uncorrected UGR Table

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm										
NAME: 5RS045-4000K					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:001		
MFR.: Su Zhou Radiant Lighting Technology Co.,					LDTSUR.:			PROTECTION 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	28.6	27.6	28.8	28.9	27.6	28.8	27.8	29.0	29.2
3H	27.8	29.0	28.1	29.2	29.4	28.3	29.4	28.5	29.6	29.9
4H	28.0	29.1	28.3	29.4	29.6	28.6	29.7	28.9	29.9	30.1
6H	28.2	29.2	28.5	29.5	29.7	28.8	29.9	29.1	30.1	30.4
8H	28.3	29.2	28.6	29.5	29.8	28.9	29.9	29.3	30.2	30.5
12H	28.3	29.2	28.6	29.5	29.8	29.0	29.9	29.3	30.2	30.5
4H 2H	27.6	28.7	27.9	28.9	29.1	27.8	28.9	28.1	29.1	29.4
3H	28.3	29.2	28.6	29.5	29.8	28.7	29.6	29.0	29.9	30.2
4H	28.6	29.4	28.9	29.7	30.1	29.1	29.9	29.4	30.3	30.6
6H	28.8	29.6	29.2	29.9	30.3	29.5	30.2	29.9	30.6	30.9
8H	28.9	29.6	29.3	30.0	30.4	29.6	30.3	30.0	30.7	31.1
12H	29.0	29.7	29.4	30.0	30.4	29.8	30.4	30.2	30.8	31.2
8H 4H	28.7	29.4	29.1	29.8	30.1	29.2	29.9	29.6	30.2	30.6
6H	29.1	29.7	29.5	30.1	30.5	29.7	30.3	30.1	30.7	31.1
8H	29.3	29.8	29.7	30.2	30.7	29.9	30.5	30.4	30.9	31.3
12H	29.4	29.9	29.9	30.3	30.8	30.2	30.6	30.6	31.0	31.5
12H 4H	28.7	29.3	29.1	29.7	30.1	29.2	29.8	29.6	30.2	30.6
6H	29.1	29.7	29.6	30.1	30.5	29.7	30.2	30.2	30.7	31.1
8H	29.4	29.8	29.8	30.2	30.7	30.0	30.4	30.5	30.9	31.4
Variations with the observer position at spacings:										
S = 1.0H	+ 0.6 / - 0.7					+ 0.5 / - 0.6				
1.5H	+ 0.6 / - 0.4					+ 0.5 / - 0.5				
2.0H	+ 1.2 / - 0.8					+ 1.1 / - 0.7				

CIE Pub.117 Corrected 639.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -1.6)

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

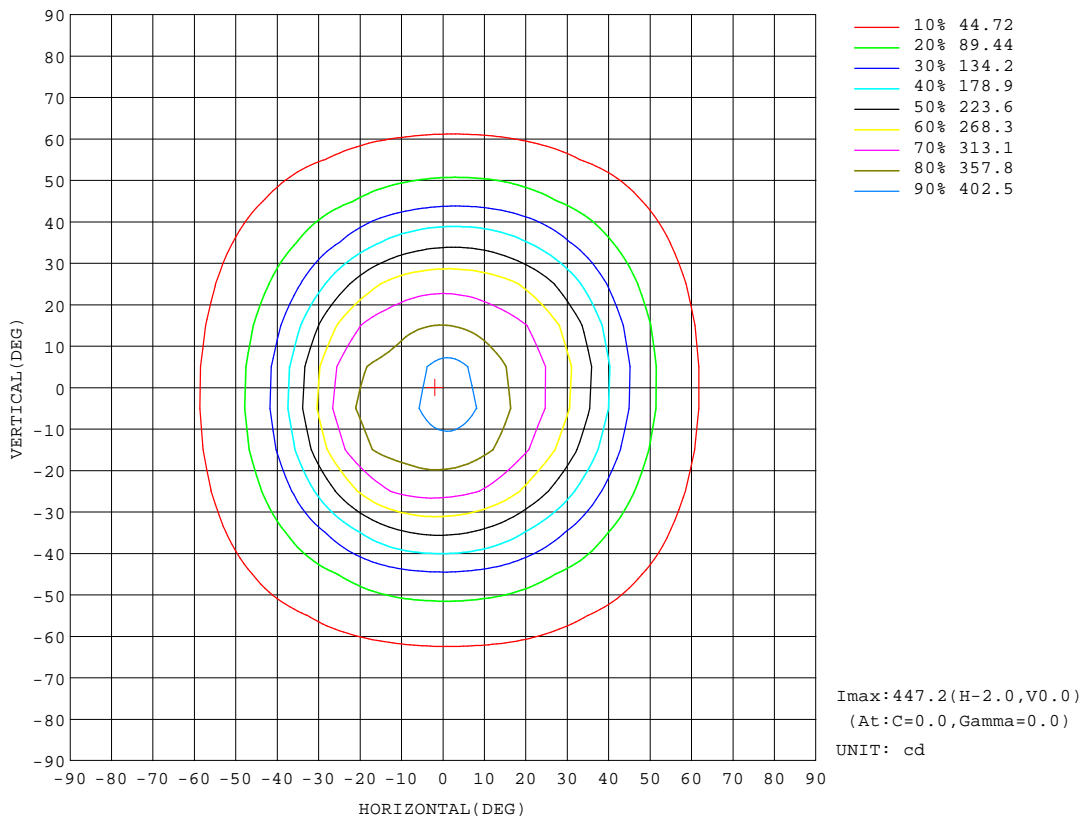
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	71	62	56	70	61	56	69	61	56	51
0.80	80	71	66	79	71	65	78	70	65	60
1.00	87	79	73	86	78	73	84	79	72	67
1.25	93	85	80	92	85	80	90	83	79	73
1.50	97	90	85	96	89	84	93	87	83	77
2.00	102	96	91	100	95	90	97	92	89	82
2.50	105	99	95	103	98	94	99	95	92	85
3.00	107	102	98	105	101	97	102	98	95	87
4.00	110	106	102	108	104	101	104	101	98	90
5.00	112	108	105	110	106	104	105	103	101	92
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:



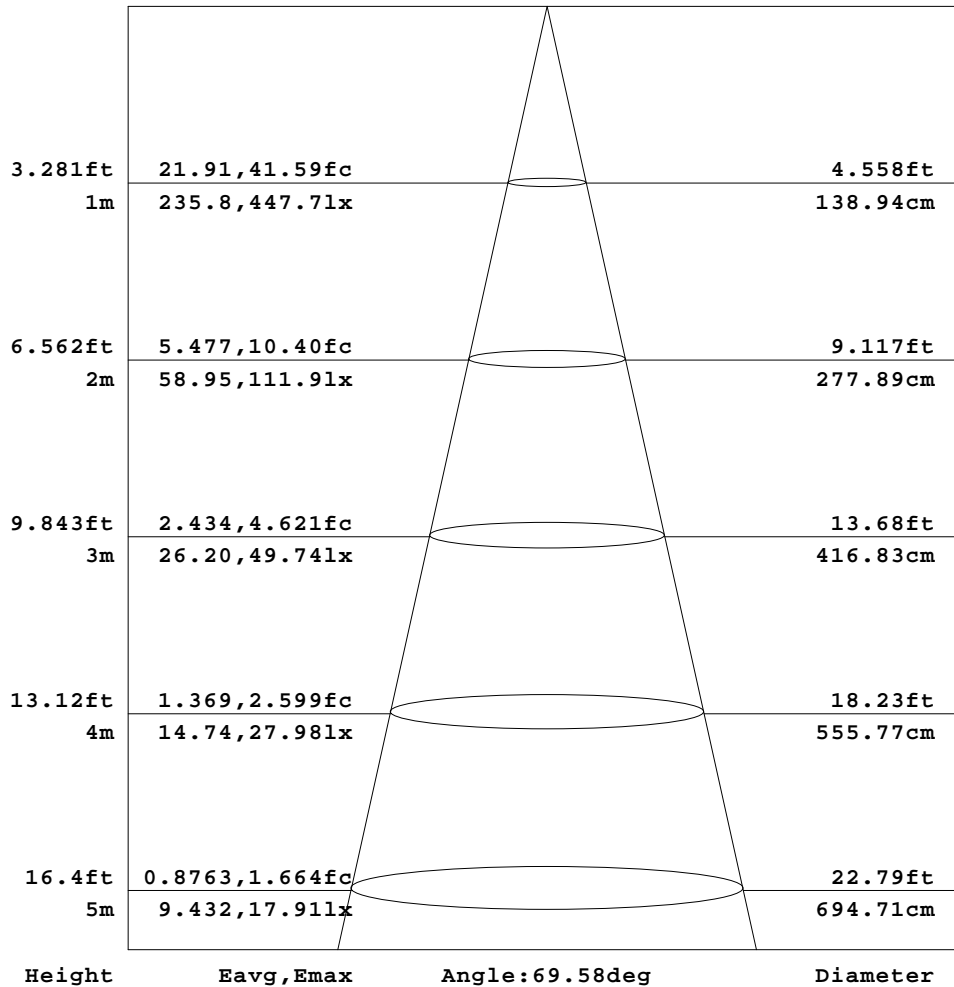
C Range: 0 - 360DEG
C Interval: 5.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2017-02-13

Range: 0 - 90DEG
Interval: 0.5DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDTSUR.:	PROTECTION ANGLE:

Flux out:363.2 lm



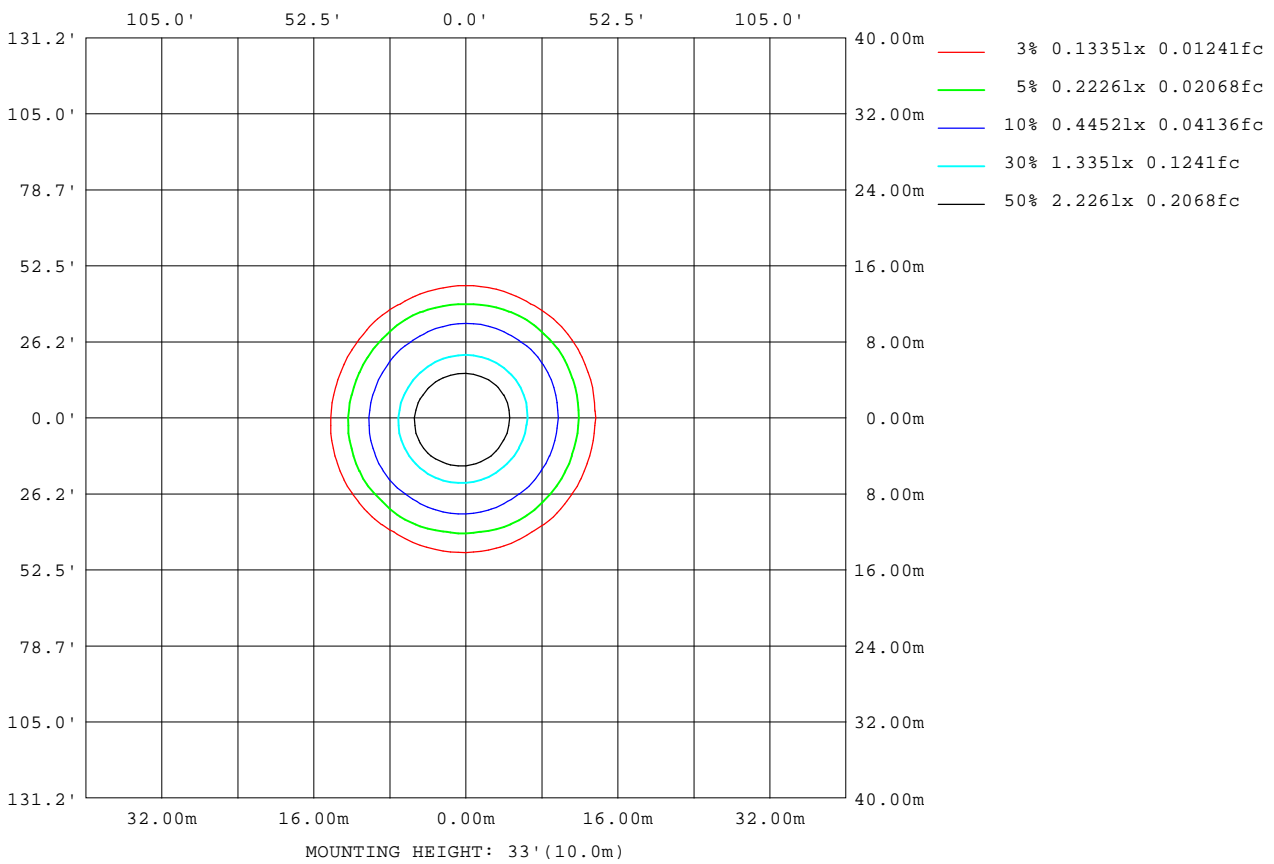
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

ISOLUX DIAGRAM

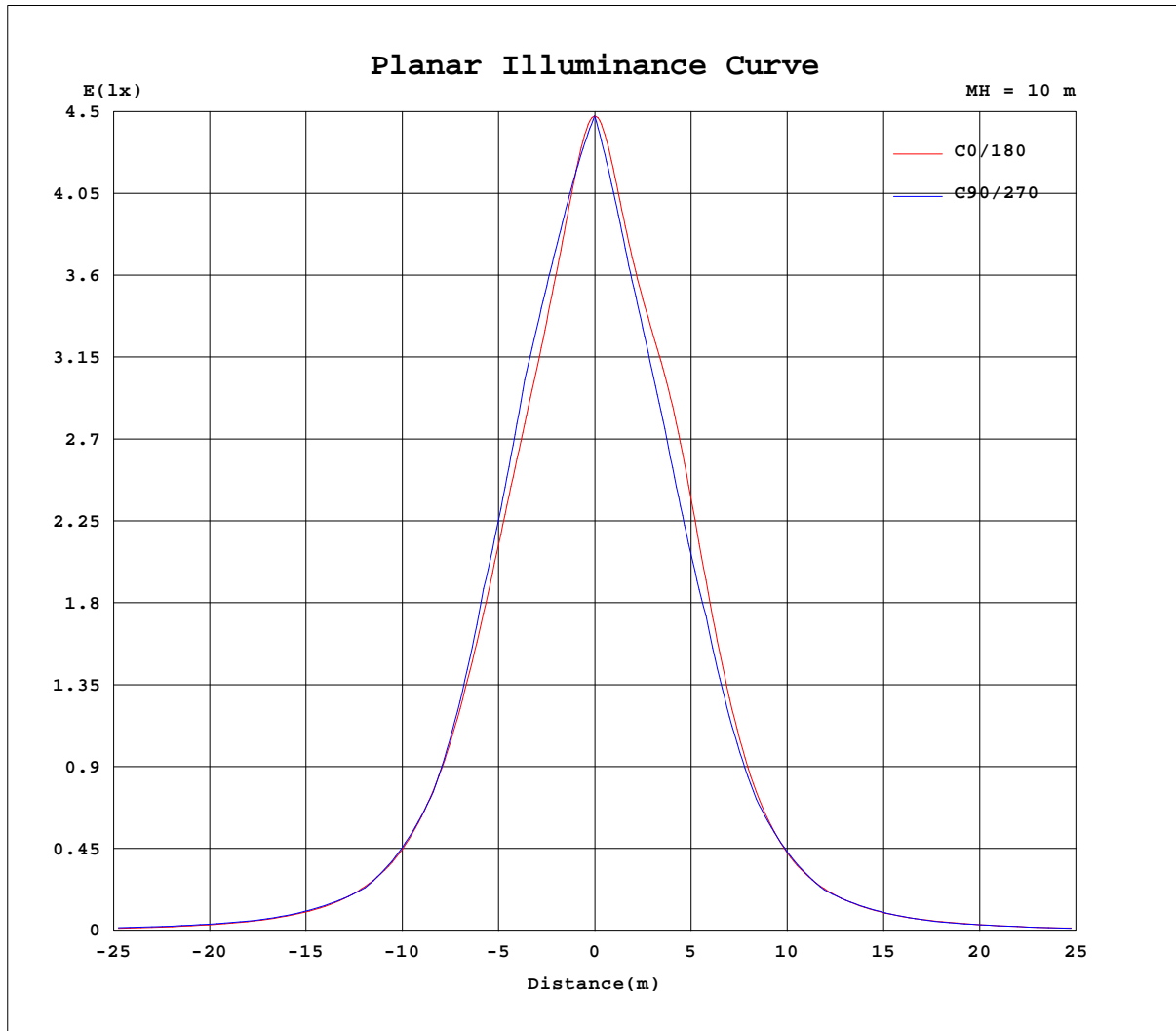
Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2017-02-13

Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity: 65.0%
 Test Distance: 8.989m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90
0	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448
5	427	426	425	424	423	423	423	423	423	423	423	424	424	424	425	425	425	425	426
10	391	390	390	389	390	390	391	392	393	395	396	398	399	400	401	402	403	403	403
15	360	360	360	361	362	364	366	368	370	371	373	374	376	378	379	381	382	383	384
20	336	335	334	335	337	339	341	341	342	344	347	350	353	355	358	360	361	363	365
25	307	305	304	305	307	307	306	307	309	313	318	319	319	320	321	322	323	325	327
30	269	265	263	264	264	263	263	265	268	267	267	268	271	273	277	280	284	287	289
35	222	218	216	217	214	214	215	215	214	214	215	217	219	222	223	225	226	228	230
40	171	167	167	166	165	166	165	164	164	165	166	167	167	168	168	168	168	169	170
45	127	124	124	122	122	122	122	121	122	123	123	122	122	124	126	127	128	129	129
50	91.6	89.7	89.4	88.8	89.0	89.1	89.3	89.8	89.8	89.4	90.7	91.5	92.1	92.2	91.7	90.7	89.5	89.1	89.0
55	65.9	64.7	64.5	64.7	64.5	64.8	65.4	65.2	65.8	66.5	66.6	65.8	66.2	67.2	67.9	68.1	68.2	68.5	68.7
60	46.6	46.0	46.0	46.1	46.2	46.7	47.2	47.6	47.7	47.8	48.6	49.1	49.4	49.6	49.5	49.1	48.6	48.3	48.3
65	32.1	31.8	32.2	32.1	32.5	33.0	33.4	33.6	34.2	34.7	34.8	34.7	35.3	35.9	36.3	36.5	36.6	36.7	36.7
70	21.3	21.2	21.5	21.9	22.4	22.5	23.0	23.4	23.6	24.2	24.7	25.1	25.3	25.4	25.4	25.4	25.3	25.3	25.2
75	14.2	14.3	14.4	14.7	14.9	15.3	15.5	15.9	16.2	16.3	16.4	16.9	17.3	17.7	18.0	18.2	18.3	18.4	18.3
80	8.97	9.05	9.25	9.42	9.62	9.86	10.0	10.2	10.4	10.7	10.9	11.1	11.3	11.4	11.5	11.5	11.6	11.6	11.5
85	2.16	4.10	4.35	4.51	4.64	4.86	5.07	5.22	5.32	5.43	5.53	5.60	5.67	5.73	5.77	5.80	5.86	5.87	5.82
90	0.02	0.27	0.29	0.29	0.29	0.28	0.27	0.23	0.22	0.19	0.19	0.19	0.19	0.17	0.18	0.16	0.17	0.16	0.14

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) g (DEG)	95	100	105	110	115	120	125	130	135	140	145	150	155	160	165	170	175	180	185
0	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448
5	425	425	425	425	425	424	424	424	424	424	424	424	424	424	425	426	427	428	426
10	403	403	403	403	402	402	401	400	399	398	397	397	396	396	395	395	395	396	394
15	385	385	386	386	385	385	384	384	385	385	384	383	382	381	380	379	378	377	375
20	367	369	371	372	372	371	371	371	372	373	374	377	376	374	372	370	369	368	364
25	329	333	335	338	341	345	351	354	352	350	350	350	352	352	348	345	344	345	339
30	292	293	294	295	296	298	300	302	305	309	305	302	302	304	302	297	295	297	290
35	232	234	236	239	241	243	243	242	242	242	243	243	240	239	240	234	231	232	226
40	171	173	175	178	180	182	183	183	181	181	181	180	179	176	175	173	169	170	166
45	130	131	131	131	130	129	129	131	132	132	130	129	128	126	124	125	121	121	118
50	89.3	90.4	92.2	93.8	95.0	95.4	95.0	93.9	92.1	94.0	94.2	93.3	92.0	90.8	89.6	89.1	87.3	86.7	85.1
55	68.5	68.6	68.7	68.5	68.1	67.5	67.6	68.4	68.5	68.1	67.8	67.8	67.1	66.0	65.5	64.5	63.7	62.9	62.1
60	48.3	48.6	49.0	49.5	49.9	50.2	50.2	49.7	48.9	49.4	49.5	48.8	48.3	48.0	47.2	46.6	46.2	45.5	45.1
65	36.7	36.6	36.5	36.2	36.0	35.6	35.1	35.4	35.6	35.6	35.2	35.0	34.5	34.2	33.9	33.3	33.2	32.6	32.5
70	25.3	25.4	25.5	25.5	25.6	25.7	25.6	25.4	25.1	24.7	24.8	24.6	24.2	23.9	23.6	23.3	23.1	22.9	22.7
75	18.4	18.3	18.2	18.0	17.9	17.6	17.4	17.1	17.0	17.1	17.0	16.6	16.4	16.3	16.0	15.8	15.6	15.5	15.4
80	11.5	11.5	11.6	11.5	11.4	11.4	11.4	11.2	11.1	10.9	10.8	10.7	10.5	10.3	10.2	10.0	9.88	9.77	9.78
85	5.81	5.81	5.80	5.75	5.69	5.65	5.65	5.58	5.54	5.50	5.44	5.34	5.17	5.05	5.01	4.81	4.62	2.72	4.53
90	0.14	0.14	0.11	0.11	0.11	0.11	0.12	0.12	0.12	0.13	0.14	0.14	0.14	0.16	0.17	0.19	0.17	0.05	0.09

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDSUR.:	PROTECTION ANGLE:

Table--3

UNIT: cd

C(DEG) g (DEG)	190	195	200	205	210	215	220	225	230	235	240	245	250	255	260	265	270	275	280
0	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448
5	424	423	421	420	419	418	418	417	417	416	416	416	416	416	415	415	415	415	415
10	392	391	390	389	388	388	387	387	387	387	386	386	385	385	384	383	383	382	381
15	373	371	369	368	367	366	366	366	365	363	362	361	360	360	359	358	358	356	355
20	361	359	357	355	353	348	345	342	341	340	340	339	337	336	335	333	332	331	331
25	335	333	332	328	323	319	317	316	316	313	309	306	304	302	301	300	299	299	299
30	286	285	283	278	275	273	273	270	267	265	264	263	264	264	265	266	266	267	267
35	224	225	220	218	217	216	214	213	212	212	213	214	213	213	213	213	214	215	216
40	165	164	161	161	160	160	159	159	160	161	161	161	160	159	159	160	161	162	164
45	119	116	116	115	115	115	116	117	116	115	116	118	119	120	121	122	123	123	125
50	84.9	83.6	83.3	83.3	83.4	83.8	83.9	82.9	84.4	85.4	86.2	86.5	85.9	84.9	84.2	84.0	84.3	85.0	86.3
55	61.4	61.0	60.9	61.1	61.0	60.5	61.1	61.8	61.9	61.1	61.5	62.4	62.9	63.1	63.3	63.8	64.2	64.4	64.7
60	44.5	44.3	44.5	44.3	44.2	44.5	44.5	44.5	45.0	45.3	45.4	45.3	45.0	44.5	44.2	44.0	44.0	44.2	44.7
65	32.1	32.1	31.9	31.8	31.9	31.8	32.1	32.2	31.8	31.5	31.8	32.2	32.3	32.4	32.4	32.5	32.5	32.5	32.5
70	22.6	22.6	22.5	22.5	22.5	22.4	22.1	22.4	22.5	22.5	22.4	22.2	21.9	21.6	21.4	21.2	21.0	20.9	21.0
75	15.4	15.3	15.2	15.2	15.1	15.2	15.1	14.9	14.7	14.8	14.9	14.9	14.9	14.9	14.9	14.9	14.8	14.7	14.5
80	9.70	9.61	9.54	9.56	9.46	9.34	9.27	9.25	9.21	9.17	9.12	9.05	8.91	8.78	8.71	8.68	8.59	8.49	8.45
85	4.50	4.49	4.33	4.27	4.22	4.27	4.31	4.34	4.38	4.40	4.41	4.43	4.40	4.37	4.36	4.37	4.33	4.27	4.23
90	0.08	0.07	0.08	0.08	0.08	0.07	0.09	0.07	0.07	0.07	0.07	0.09	0.07	0.08	0.07	0.08	0.07	0.07	0.07

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:230.4V I:0.0382A P:8.121W PF:0.9215 Lamp Flux:639.566x1 lm		
NAME: 5RS045-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Su Zhou Radiant Lighting Technology Co.,	LDTSUR.:	PROTECTION ANGLE:

Table--4

UNIT: cd

C(DEG) g (DEG)	285	290	295	300	305	310	315	320	325	330	335	340	345	350	355				
0	448	448	448	448	448	448	448	448	448	448	448	448	448	448	448				
5	415	414	414	414	415	415	415	416	416	417	418	420	421	423	425				
10	381	381	380	380	380	380	380	380	381	382	382	383	385	386	389				
15	355	354	354	353	353	354	354	355	355	355	355	356	356	357	358				
20	331	331	330	330	330	331	331	332	333	335	335	334	333	333	334				
25	299	300	301	303	305	308	307	307	307	307	308	308	306	305	306				
30	266	265	265	265	266	268	271	274	273	271	270	272	271	268	267				
35	217	219	220	222	223	223	223	224	226	227	225	224	226	222	220				
40	166	167	169	171	173	174	174	174	175	176	176	174	173	172	170				
45	125	126	125	125	125	128	129	129	129	129	129	128	127	127	125				
50	88.1	89.7	91.2	92.3	92.6	92.2	91.3	93.5	94.1	93.4	92.9	92.7	91.9	91.4	90.6				
55	64.9	64.8	64.8	64.6	64.8	66.1	66.9	67.2	67.2	67.2	66.6	66.2	66.5	65.5	65.2				
60	45.2	45.8	46.4	46.9	47.0	46.8	46.4	47.2	47.7	47.5	47.1	46.8	46.7	46.4	46.2				
65	32.4	32.3	32.2	32.0	31.6	32.0	32.5	32.6	32.2	32.4	32.4	32.2	31.9	32.1	31.8				
70	21.1	21.2	21.5	21.8	21.8	21.9	21.7	21.1	21.5	21.5	21.2	21.3	21.1	21.0	21.0				
75	14.4	14.3	14.1	14.0	13.8	13.7	13.9	14.1	14.1	14.0	14.0	13.9	14.0	14.0	14.1				
80	8.49	8.48	8.48	8.49	8.51	8.52	8.54	8.56	8.62	8.68	8.72	8.74	8.81	8.84	8.83				
85	4.22	4.17	4.13	4.10	4.08	4.03	3.99	3.92	3.82	3.67	3.69	3.75	3.85	3.90	3.92				
90	0.07	0.07	0.07	0.08	0.07	0.07	0.09	0.08	0.08	0.08	0.08	0.08	0.07	0.07	0.08				

C Range: 0 - 360DEG
 C Interval: 5.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2017-02-13

g Range: 0 - 90DEG
 Interval: 0.5DEG
 Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.279
 Humidity:65.0%
 Test Distance:8.989m [K=1.0000]
 Remarks: