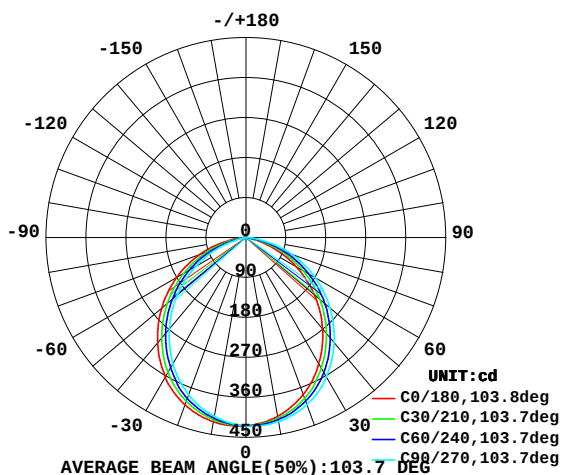


LUMINAIRE PHOTOMETRIC TEST REPORT

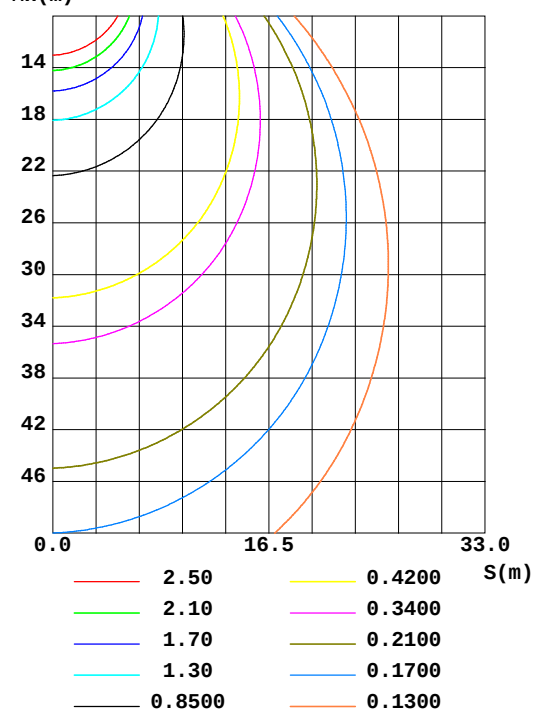
Test:U:230.4V I:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 93.74 lm/W			
MODEL	5RS086-4000K	I _{max} (cd)	426.1	S/MH(C0/180)	1.16
NOMINAL POWER(W)	12	LOR(%)	100.0	S/MH(C90/270)	1.26
RATED VOLTAGE(V)	230	TOTAL FLUX(lm)	1070.9	h UP, DN(C0-180)	0.1, 52.9
NOMINAL FLUX(lm)	1070.9	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.1, 46.8
LAMPS INSIDE	1	h up(%)	0.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	230.4	h down(%)	99.8	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT: lx)



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE G0-2000B_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
10	408.8	415.1	420.9	423.5	421.2	415.1	409.2	406.7	0- 10	40.04	40.04	3.74, 3.74
20	376.7	389.0	400.5	405.4	401.1	389.0	377.2	372.4	10- 20	113.9	154.0	14.4, 14.4
30	328.3	345.4	361.7	370.9	363.4	345.1	328.7	321.0	20- 30	170.0	323.9	30.2, 30.2
40	268.4	289.0	308.9	318.7	309.8	288.2	268.8	260.1	30- 40	199.0	523.0	48.8, 48.8
50	202.0	224.9	247.0	257.7	247.9	224.0	202.4	192.9	40- 50	198.6	721.6	67.4, 67.4
60	130.4	155.4	179.6	190.6	180.5	154.7	131.2	121.4	50- 60	170.2	891.8	83.3, 83.3
70	57.85	83.40	108.3	119.2	109.5	83.12	55.97	49.45	60- 70	118.2	1010	94.3, 94.3
80	2.335	15.69	32.21	47.60	38.68	16.29	2.600	0.5986	70- 80	51.67	1062	99.1, 99.1
90	0.0739	0.0710	0.1665	0.3354	0.1780	0.0772	0.0988	0.0835	80- 90	6.539	1068	99.8, 99.8
100	0.1600	0.1203	0.1174	0.0834	0.1170	0.1234	0.1544	0.1780	90-100	0.1134	1068	99.8, 99.8
110	0.2709	0.2343	0.2162	0.1872	0.1971	0.2282	0.2595	0.2934	100-110	0.1904	1069	99.8, 99.8
120	0.3942	0.3733	0.3398	0.2904	0.3326	0.3671	0.3954	0.4325	110-120	0.2969	1069	99.8, 99.8
130	0.5542	0.5028	0.4881	0.4386	0.4559	0.4905	0.5620	0.5684	120-130	0.3892	1069	99.8, 99.8
140	0.6652	0.6478	0.6241	0.5839	0.5976	0.6263	0.6857	0.6890	130-140	0.4421	1070	99.9, 99.9
150	0.7883	0.7681	0.7537	0.7167	0.7330	0.7558	0.7908	0.8125	140-150	0.4408	1070	99.9, 99.9
160	0.8808	0.8761	0.8650	0.8373	0.8502	0.8638	0.8871	0.9052	150-160	0.3790	1071	100, 100
170	0.9669	0.9686	0.9576	0.9515	0.9363	0.9588	0.9650	0.9793	160-170	0.2596	1071	100, 100
180	0.9855	0.9779	0.9699	0.9824	0.9793	0.9841	0.9761	0.9762	170-180	0.0929	1071	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT: lm		

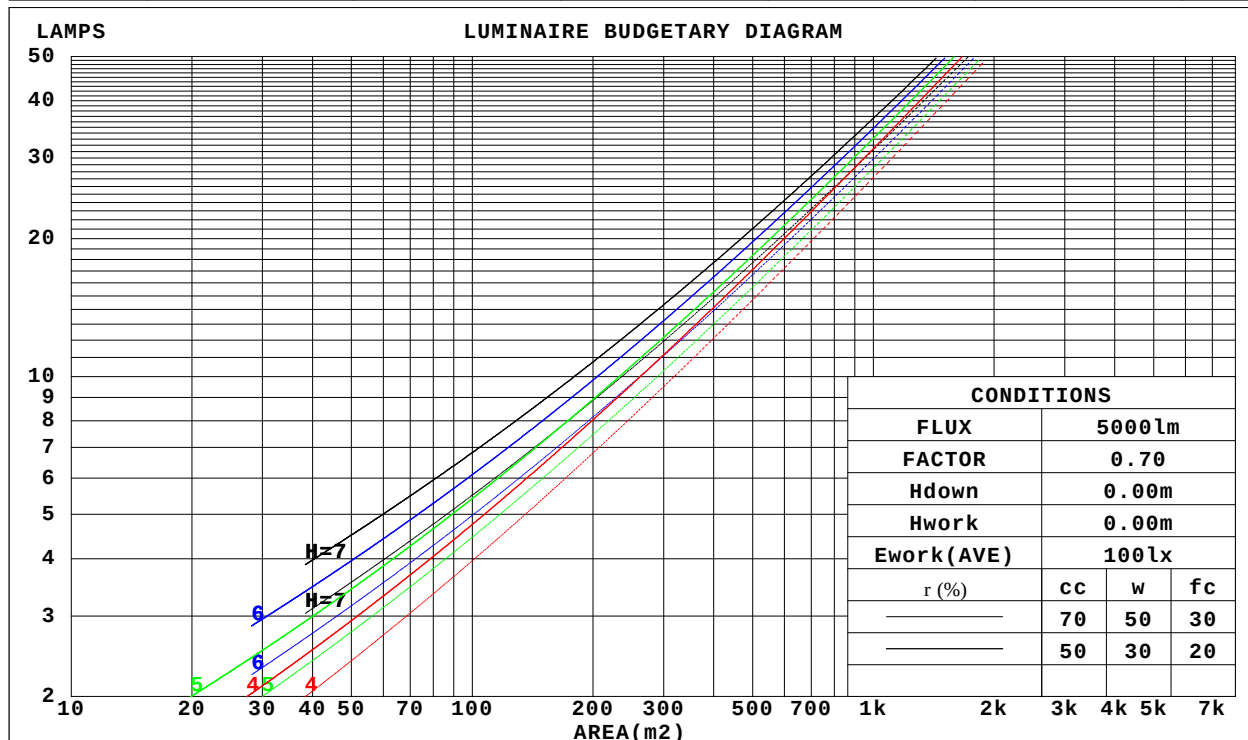
C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2018-09-12

Range: 0 - 180DEG
 Interval: 1.0DEG
 Test System: EVERFINE G0-2000B_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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	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	.00
1.0	1.05	1.01	.98	1.03	.99	.96	.99	.96	.93	.95	.93	.90	.91	.89	.88	.86
2.0	.93	.86	.81	.91	.85	.80	.87	.82	.78	.84	.80	.76	.81	.77	.74	.72
3.0	.82	.74	.68	.80	.73	.67	.77	.71	.66	.74	.69	.65	.72	.67	.64	.62
4.0	.73	.64	.58	.71	.64	.57	.69	.62	.57	.67	.61	.56	.64	.59	.55	.53
5.0	.65	.56	.50	.64	.56	.50	.62	.55	.49	.60	.54	.49	.58	.53	.48	.46
6.0	.59	.50	.44	.58	.50	.44	.56	.49	.43	.54	.48	.43	.53	.47	.43	.40
7.0	.53	.45	.39	.53	.45	.39	.51	.44	.38	.50	.43	.38	.48	.42	.38	.36
8.0	.49	.41	.35	.48	.40	.35	.47	.40	.34	.46	.39	.34	.44	.38	.34	.32
9.0	.45	.37	.31	.44	.37	.31	.43	.36	.31	.42	.36	.31	.41	.35	.31	.29
10.0	.41	.34	.29	.41	.33	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26



C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: 01
 Test Date: 2018-09-12

g Range: 0 - 180DEG
 Interval: 1.0DEG
 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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm					
NAME: 5RS086-4000K			TYPE:		WEIGHT:
SPEC.:			DIM.:		SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd			SUR.:		PROTECTION ANGLE:

r c c	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
R C R	R C R:Room Cavity Ratio Wall Exitance Coefficients(W E C)															
0.0																
1.0	.281	.160	.051	.274	.156	.050	.260	.149	.048	.248	.143	.046	.237	.137	.044	
2.0	.271	.148	.046	.265	.146	.045	.253	.141	.044	.242	.136	.043	.232	.131	.041	
3.0	.254	.135	.041	.249	.133	.040	.239	.129	.039	.229	.126	.039	.220	.122	.038	
4.0	.237	.123	.036	.232	.122	.036	.223	.118	.035	.215	.115	.035	.207	.112	.034	
5.0	.221	.113	.033	.217	.111	.032	.208	.109	.032	.201	.106	.032	.194	.104	.031	
6.0	.206	.103	.030	.202	.102	.029	.195	.100	.029	.188	.098	.029	.182	.096	.028	
7.0	.192	.095	.027	.189	.094	.027	.183	.092	.027	.177	.091	.026	.171	.089	.026	
8.0	.180	.088	.025	.177	.087	.025	.172	.086	.024	.166	.084	.024	.161	.083	.024	
9.0	.170	.082	.023	.167	.081	.023	.162	.080	.023	.157	.079	.022	.152	.077	.022	
10.0	.160	.077	.021	.157	.076	.021	.153	.075	.021	.148	.074	.021	.144	.072	.021	

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 Ceiling Cavity Exitance Coefficients(CCEC)															
0.0	.192	.192	.192	.164	.164	.164	.112	.112	.112	.064	.064	.064	.021	.021	.021	
1.0	.180	.158	.139	.154	.136	.119	.105	.093	.082	.061	.054	.048	.019	.017	.016	
2.0	.171	.134	.102	.147	.115	.089	.101	.080	.062	.058	.046	.036	.019	.015	.012	
3.0	.163	.116	.078	.140	.100	.068	.096	.070	.048	.056	.041	.028	.018	.013	.009	
4.0	.156	.103	.062	.134	.089	.054	.092	.062	.038	.053	.036	.022	.017	.012	.007	
5.0	.149	.092	.050	.128	.080	.044	.088	.056	.031	.051	.033	.018	.016	.011	.006	
6.0	.142	.084	.042	.122	.072	.037	.084	.051	.026	.049	.030	.015	.016	.010	.005	
7.0	.135	.077	.036	.116	.067	.031	.080	.047	.022	.047	.027	.013	.015	.009	.004	
8.0	.129	.071	.031	.111	.062	.027	.077	.043	.019	.045	.025	.012	.014	.008	.004	
9.0	.123	.066	.028	.106	.057	.024	.073	.040	.017	.043	.024	.010	.014	.008	.003	
10.0	.117	.062	.025	.101	.054	.022	.070	.038	.015	.041	.022	.009	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 10.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:01
 Test Date:2018-09-12

g Range: 0 - 180DEG
 g Interval: 1.0DEG
 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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm											
NAME: 5RS086-4000K					TYPE:			WEIGHT:			
SPEC.:					DIM.:			SERIAL No.:001			
MFR.: Suzhou Radiant Lighting Technology Co., Ltd					SUR.:			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	27.7	29.2	28.0	29.4	29.6	28.8	30.2	29.0	30.4	30.6	
	3H	28.6	29.9	28.9	30.2	30.4	30.2	31.5	30.5	31.8	32.0
	4H	28.7	30.0	29.0	30.2	30.5	30.6	31.9	31.0	32.2	32.4
	6H	28.7	29.8	29.0	30.1	30.4	30.9	32.1	31.2	32.3	32.6
	8H	28.6	29.8	28.9	30.0	30.3	30.9	32.0	31.2	32.3	32.6
	12H	28.5	29.7	28.9	30.0	30.3	30.8	32.0	31.2	32.2	32.6
4H	2H	28.4	29.6	28.7	29.9	30.1	29.2	30.5	29.5	30.7	31.0
	3H	29.4	30.5	29.7	30.8	31.1	30.7	31.8	31.1	32.1	32.4
	4H	29.6	30.6	30.0	30.9	31.2	31.3	32.3	31.7	32.6	32.9
	6H	29.5	30.4	29.9	30.8	31.2	31.6	32.4	32.0	32.8	33.2
	8H	29.5	30.3	29.9	30.7	31.1	31.6	32.4	32.0	32.8	33.2
	12H	29.5	30.2	29.9	30.6	31.0	31.6	32.3	32.0	32.7	33.1
8H	4H	29.7	30.6	30.2	30.9	31.3	31.3	32.2	31.7	32.5	32.9
	6H	29.7	30.4	30.2	30.8	31.3	31.6	32.3	32.1	32.7	33.2
	8H	29.7	30.3	30.2	30.7	31.2	31.7	32.3	32.2	32.7	33.2
	12H	29.7	30.2	30.1	30.6	31.1	31.7	32.2	32.2	32.7	33.1
12H	4H	29.7	30.5	30.2	30.9	31.3	31.3	32.0	31.7	32.4	32.8
	6H	29.7	30.3	30.2	30.8	31.2	31.6	32.2	32.1	32.6	33.1
	8H	29.7	30.2	30.2	30.7	31.1	31.7	32.2	32.1	32.6	33.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.3 / - 0.4					+ 0.2 / - 0.2					
1.5H	+ 0.3 / - 0.6					+ 0.2 / - 0.2					
2.0H	+ 0.4 / - 0.8					+ 0.4 / - 0.5					

CIE Pub.117 Corrected 1071 lm Total Lamp Luminous Flux.(8log(F/F0) = 0.2)

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

g Range: 0 - 180DEG
g Interval: 1.0DEG
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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	PROTECTION ANGLE:

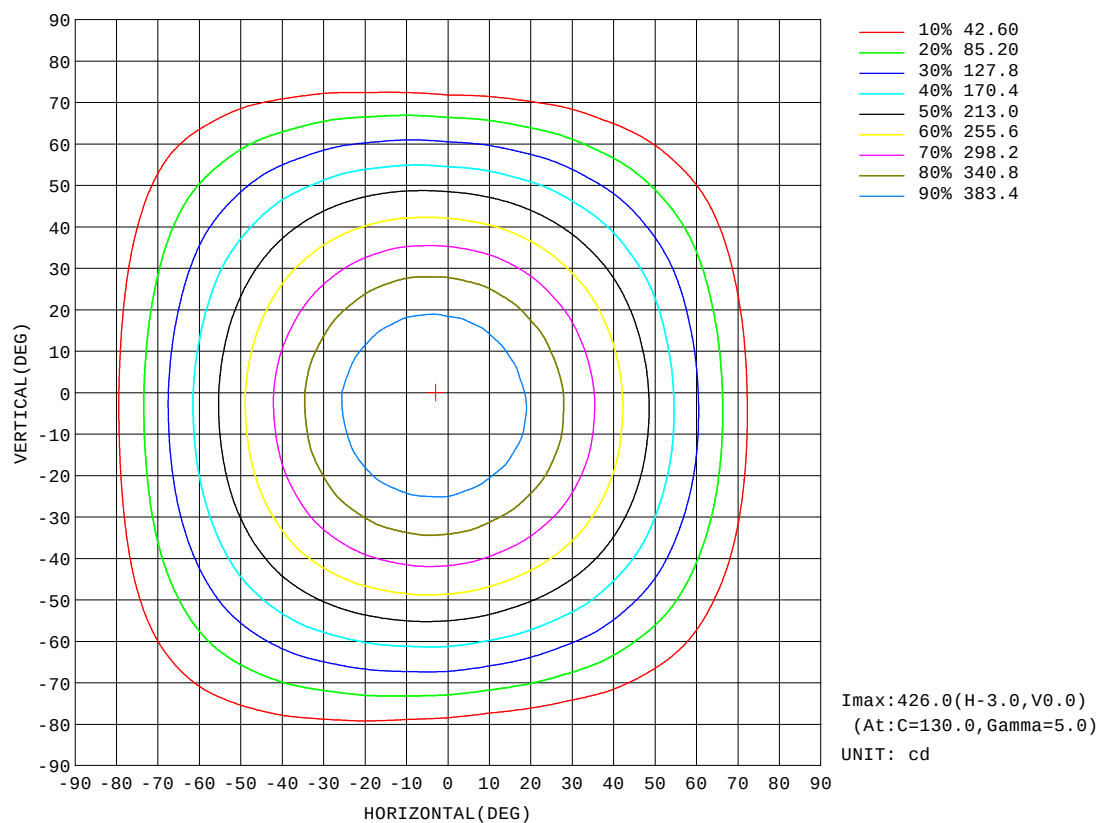
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	60	49	42	59	48	42	58	48	42	35
0.80	70	59	52	69	58	52	67	58	51	45
1.00	78	68	61	77	67	61	75	69	60	53
1.25	85	76	69	84	75	69	81	73	68	61
1.50	90	81	75	89	80	74	86	78	73	66
2.00	97	89	83	95	88	82	92	86	81	73
2.50	101	93	88	99	92	87	95	89	85	77
3.00	104	98	92	102	96	91	98	93	89	81
4.00	108	102	98	105	101	97	101	97	94	85
5.00	110	105	102	107	103	100	103	100	97	88
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended					SHRNOM = 1.25		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2018-09-12

Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

Test:U:230.4V I:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	PROTECTION ANGLE:



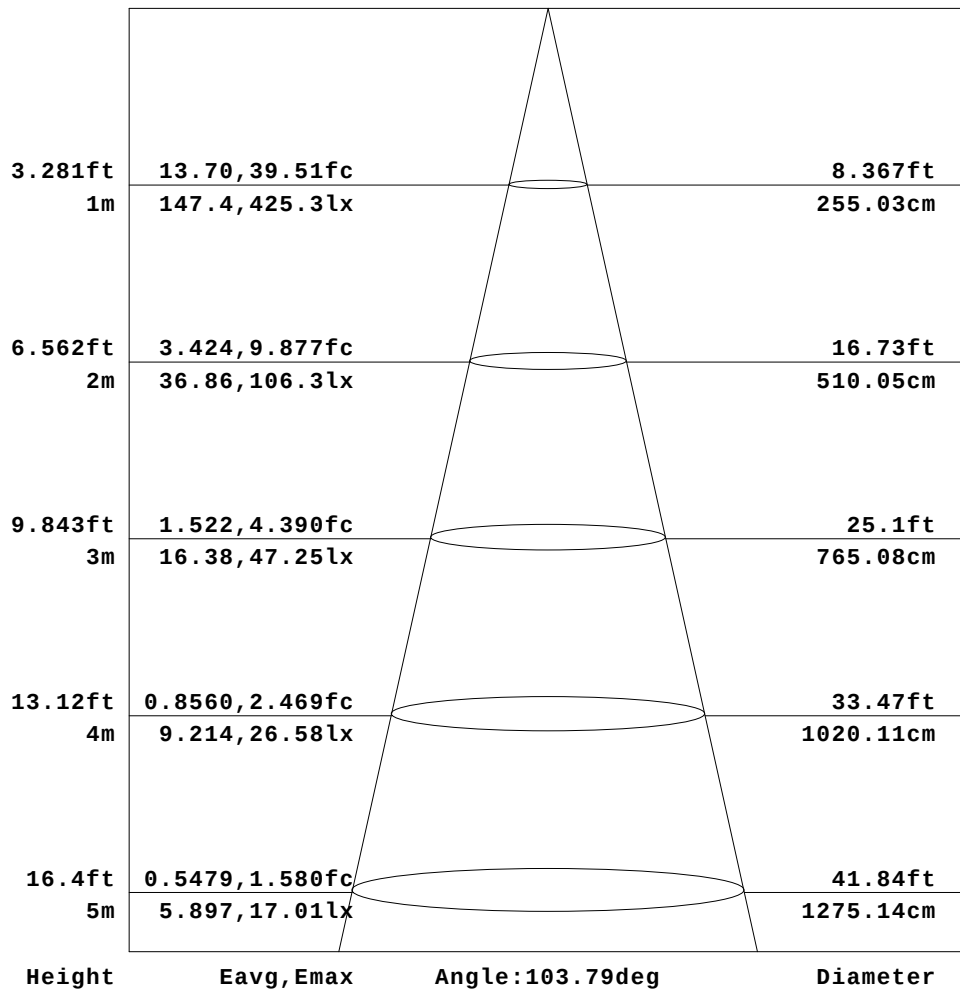
C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity: 65.0%
Test Distance: 8.989m [K=1.0000]
Remarks:

AAI Figure

Test:U:230.4V I:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	PROTECTION ANGLE:

Flux out:758.8 lm



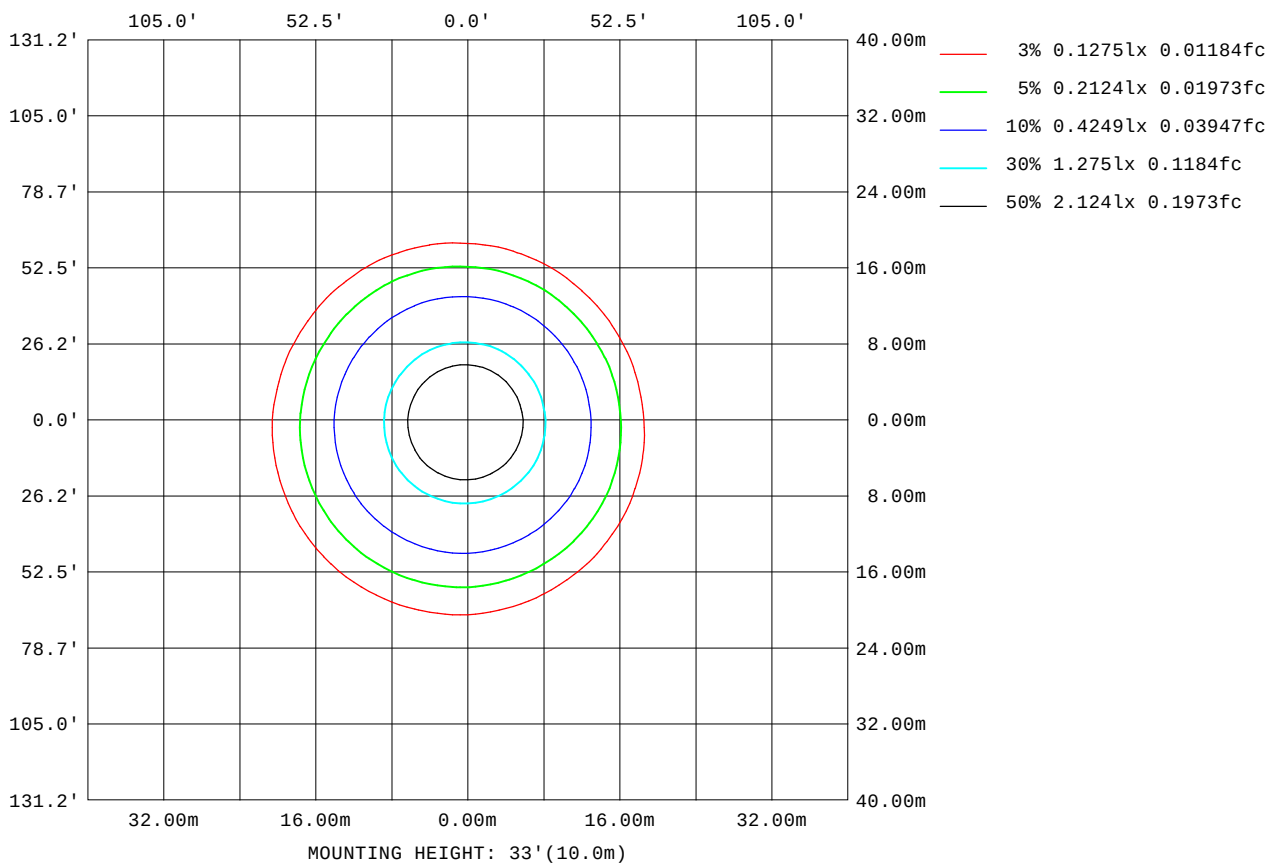
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2018-09-12

g Range: 0 - 180DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

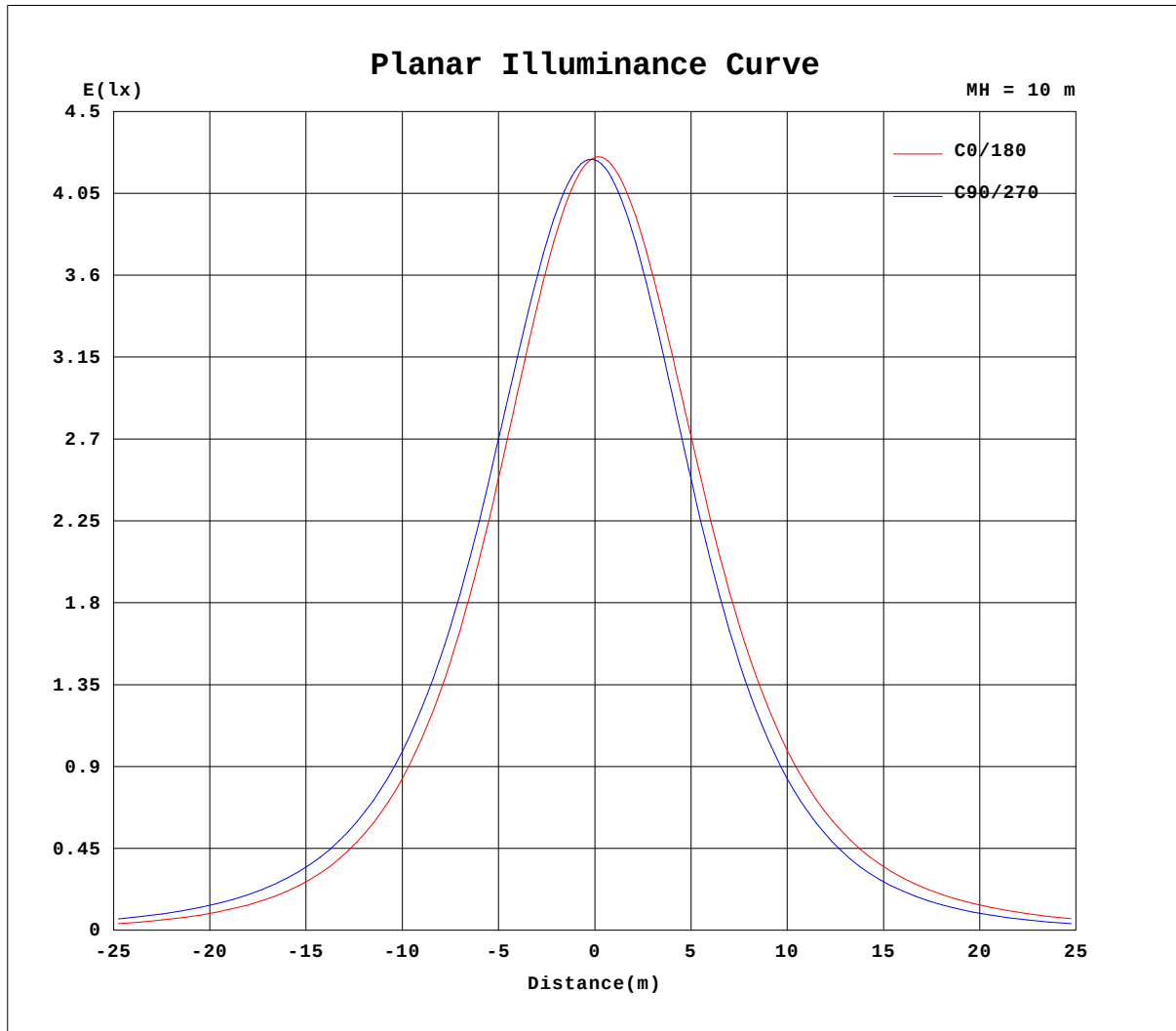
Test:U:230.4V I:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm		
NAME: 5RS086-4000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd	SUR.:	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_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: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

Range: 0 - 180DEG
Interval: 1.0DEG
Test System: EVERFINE G0-2000B_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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm																	
NAME: 5RS086-4000K									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:001		
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd									SUR.:						PROTECTION ANGLE:		

Table--1
UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424
5	419	419	420	421	421	422	422	423	424	425	425	425	426	426	426	426	425	425	425
10	409	410	412	413	414	416	417	418	419	421	421	422	423	424	423	423	423	422	421
15	395	397	399	401	403	405	407	409	410	413	414	415	416	417	417	416	415	415	413
20	377	380	382	386	387	391	392	395	397	400	401	403	404	406	405	405	404	403	401
25	354	357	361	365	368	372	374	378	380	384	385	388	388	390	390	390	388	387	385
30	328	331	336	339	344	347	351	354	359	362	365	367	369	371	370	371	368	366	363
35	299	303	308	312	317	320	325	328	333	337	340	342	345	345	347	345	344	341	338
40	268	272	278	282	287	291	295	300	305	309	312	314	317	318	319	317	316	313	310
45	236	240	246	250	255	260	264	269	275	279	282	284	287	289	290	288	287	283	280
50	202	207	212	217	223	227	232	237	242	247	251	253	256	257	258	256	255	252	248
55	166	172	176	183	188	193	198	203	209	214	217	220	223	224	225	224	222	218	215
60	130	136	141	148	152	159	162	169	173	180	182	186	188	190	191	189	187	184	181
65	94.0	100	105	112	116	123	127	133	138	144	147	151	152	155	155	154	151	149	145
70	57.8	63.9	68.8	75.7	80.1	86.7	90.5	97.0	102	108	111	115	116	119	119	119	115	113	109
75	24.3	29.7	34.2	40.5	44.7	50.4	52.6	57.6	61.8	68.9	73.1	78.4	80.4	83.2	83.0	82.5	79.5	77.3	73.5
80	2.34	4.36	6.62	10.5	13.5	17.8	19.8	23.5	26.4	32.2	36.2	41.8	44.7	47.7	47.5	47.0	44.2	42.2	38.7
85	0.09	0.10	0.18	0.19	0.26	0.65	1.34	2.87	4.45	7.09	8.97	12.1	13.6	15.7	15.5	15.2	13.1	11.7	9.33
90	0.07	0.07	0.07	0.08	0.07	0.07	0.11	0.09	0.17	0.17	0.22	0.21	0.28	0.34	0.33	0.30	0.28	0.20	0.18
95	0.09	0.12	0.08	0.10	0.07	0.09	0.09	0.09	0.07	0.08	0.07	0.08	0.07	0.06	0.07	0.07	0.07	0.07	0.08
100	0.16	0.16	0.13	0.14	0.11	0.13	0.09	0.13	0.09	0.12	0.07	0.10	0.07	0.10	0.07	0.09	0.07	0.09	0.12
105	0.19	0.23	0.18	0.20	0.17	0.18	0.17	0.19	0.15	0.16	0.12	0.15	0.11	0.14	0.11	0.14	0.12	0.14	0.15
110	0.27	0.28	0.24	0.27	0.22	0.25	0.20	0.23	0.19	0.22	0.18	0.20	0.17	0.20	0.18	0.21	0.18	0.20	0.20
115	0.34	0.36	0.30	0.33	0.27	0.31	0.28	0.30	0.27	0.28	0.25	0.25	0.23	0.25	0.22	0.26	0.24	0.26	0.26
120	0.39	0.43	0.37	0.39	0.37	0.38	0.35	0.35	0.33	0.34	0.30	0.32	0.29	0.31	0.27	0.32	0.29	0.32	0.33
125	0.47	0.49	0.46	0.46	0.42	0.45	0.41	0.42	0.38	0.41	0.38	0.40	0.37	0.38	0.38	0.38	0.36	0.40	0.39
130	0.55	0.56	0.51	0.52	0.49	0.52	0.49	0.51	0.46	0.49	0.45	0.47	0.43	0.46	0.42	0.46	0.44	0.46	0.46
135	0.60	0.63	0.58	0.60	0.58	0.59	0.56	0.57	0.54	0.56	0.52	0.54	0.49	0.52	0.49	0.53	0.50	0.53	0.52
140	0.67	0.68	0.65	0.67	0.64	0.65	0.64	0.64	0.61	0.62	0.60	0.61	0.57	0.59	0.57	0.60	0.57	0.60	0.60
145	0.75	0.75	0.71	0.72	0.69	0.72	0.69	0.72	0.67	0.70	0.67	0.68	0.66	0.67	0.64	0.66	0.65	0.67	0.67
150	0.79	0.81	0.77	0.79	0.76	0.78	0.76	0.77	0.74	0.75	0.74	0.75	0.72	0.73	0.70	0.72	0.72	0.74	0.73
155	0.84	0.86	0.83	0.84	0.82	0.83	0.80	0.83	0.80	0.82	0.79	0.81	0.78	0.80	0.77	0.80	0.79	0.80	0.79
160	0.88	0.91	0.88	0.89	0.88	0.88	0.86	0.88	0.85	0.87	0.85	0.86	0.84	0.85	0.82	0.84	0.85	0.85	0.85
165	0.94	0.94	0.94	0.94	0.92	0.92	0.91	0.93	0.91	0.91	0.90	0.91	0.88	0.91	0.88	0.90	0.89	0.89	0.91
170	0.97	0.99	0.97	0.98	0.97	0.97	0.96	0.96	0.95	0.96	0.94	0.96	0.94	0.96	0.94	0.93	0.93	0.95	0.94
175	0.97	0.97	0.99	1.00	0.99	0.99	0.98	0.98	0.98	0.99	0.97	0.98	0.96	0.96	0.96	0.95	0.97	0.97	0.96
180	0.99	0.98	0.98	0.98	0.97	0.98	0.98	0.98	0.98	0.97	0.98	0.98	0.98	0.98	0.99	0.99	0.98	0.98	0.98

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2018-09-12

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System: EVERFINE G0-2000B_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:0.0524A P:11.42W PF:0.9469 Lamp Flux:1070.9x1 lm																	
NAME: 5RS086-4000K									TYPE:						WEIGHT:		
SPEC.:									DIM.:						SERIAL No.:001		
MFR.: Suzhou Radiant Lighting Technology Co.,Ltd									SUR.:						PROTECTION ANGLE:		

Table--2

UNIT: cd

C(°) g (°)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424	424		
5	424	423	423	422	421	421	420	420	419	418	418	418	417	418	418	418	418		
10	420	419	417	416	414	413	412	411	409	409	407	407	407	407	407	407	408		
15	411	409	407	405	403	402	399	398	395	394	393	392	391	392	391	393	393		
20	398	396	392	391	387	386	382	380	377	376	374	374	372	373	372	374	375		
25	381	378	374	372	368	365	362	357	355	352	351	349	349	347	349	349	352		
30	359	354	351	347	344	339	336	332	329	326	324	322	322	320	322	323	325		
35	334	329	325	320	316	312	308	303	300	297	295	293	292	291	293	293	296		
40	306	300	295	290	286	282	278	273	269	266	264	262	261	260	261	262	265		
45	275	269	264	259	255	250	246	241	236	233	231	229	228	227	228	230	232		
50	243	237	232	226	222	217	212	207	202	199	197	195	193	193	194	196	198		
55	209	204	198	193	187	183	177	173	167	165	161	160	157	158	158	161	162		
60	174	169	162	158	152	148	142	137	131	129	125	124	121	122	122	125	126		
65	139	134	127	122	116	112	106	102	95.3	93.1	89.3	88.1	84.9	85.4	85.3	88.4	89.8		
70	103	97.8	90.6	86.3	79.9	75.9	68.2	62.6	56.0	55.2	52.9	52.4	49.3	49.6	49.5	52.5	53.8		
75	66.8	62.1	55.1	51.0	44.3	39.1	31.2	26.4	21.6	21.3	19.7	19.6	17.2	17.5	17.4	19.8	20.9		
80	32.5	28.3	22.3	18.9	13.7	10.7	6.54	4.54	2.60	2.13	1.28	1.06	0.57	0.63	0.62	1.08	1.37		
85	5.79	3.79	1.73	0.85	0.29	0.20	0.22	0.16	0.15	0.09	0.10	0.07	0.08	0.07	0.07	0.07	0.08		
90	0.18	0.10	0.11	0.07	0.09	0.09	0.10	0.09	0.10	0.09	0.08	0.10	0.07	0.09	0.07	0.09	0.07		
95	0.07	0.09	0.07	0.10	0.08	0.11	0.10	0.12	0.09	0.13	0.10	0.14	0.11	0.14	0.10	0.12	0.09		
100	0.08	0.12	0.09	0.14	0.10	0.15	0.13	0.17	0.15	0.19	0.17	0.19	0.17	0.19	0.17	0.17	0.16		
105	0.14	0.17	0.17	0.19	0.16	0.21	0.18	0.22	0.20	0.24	0.21	0.25	0.22	0.24	0.20	0.24	0.20		
110	0.19	0.23	0.20	0.24	0.22	0.26	0.25	0.28	0.26	0.30	0.27	0.30	0.28	0.31	0.27	0.29	0.27		
115	0.23	0.28	0.26	0.31	0.28	0.33	0.30	0.35	0.35	0.36	0.35	0.36	0.35	0.37	0.36	0.37	0.35		
120	0.30	0.35	0.35	0.37	0.36	0.40	0.36	0.42	0.40	0.43	0.40	0.44	0.42	0.44	0.41	0.44	0.40		
125	0.37	0.42	0.40	0.43	0.41	0.46	0.46	0.48	0.47	0.50	0.47	0.50	0.48	0.51	0.49	0.49	0.47		
130	0.47	0.49	0.46	0.50	0.48	0.52	0.51	0.56	0.56	0.57	0.56	0.57	0.57	0.57	0.57	0.56	0.56		
135	0.51	0.55	0.56	0.57	0.57	0.59	0.58	0.62	0.60	0.64	0.61	0.64	0.62	0.64	0.62	0.64	0.59		
140	0.58	0.62	0.59	0.63	0.62	0.66	0.65	0.69	0.69	0.70	0.67	0.70	0.68	0.70	0.69	0.69	0.67		
145	0.65	0.69	0.66	0.70	0.68	0.72	0.71	0.74	0.75	0.75	0.76	0.75	0.76	0.77	0.75	0.76	0.74		
150	0.71	0.76	0.74	0.76	0.75	0.78	0.78	0.81	0.79	0.81	0.80	0.81	0.80	0.83	0.80	0.82	0.79		
155	0.78	0.81	0.79	0.81	0.81	0.83	0.83	0.85	0.84	0.86	0.85	0.87	0.85	0.87	0.85	0.88	0.85		
160	0.84	0.86	0.85	0.86	0.86	0.88	0.88	0.90	0.89	0.90	0.90	0.90	0.90	0.91	0.89	0.90	0.90		
165	0.89	0.91	0.90	0.92	0.91	0.93	0.93	0.93	0.93	0.94	0.95	0.95	0.95	0.96	0.95	0.96	0.96		
170	0.93	0.95	0.96	0.96	0.96	0.98	0.97	0.96	0.96	0.97	0.98	0.98	0.98	0.98	0.98	0.99	0.98		
175	0.97	0.97	0.97	0.97	0.98	0.98	0.99	0.98	0.98	0.98	0.99	0.99	0.99	0.99	0.99	0.98	0.98		
180	0.97	0.97	0.97	0.98	0.99	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.98	0.99	0.99		

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:01
Test Date:2018-09-12

g Range: 0 - 180DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.279
Humidity:65.0%
Test Distance:8.989m [K=1.0000]
Remarks: