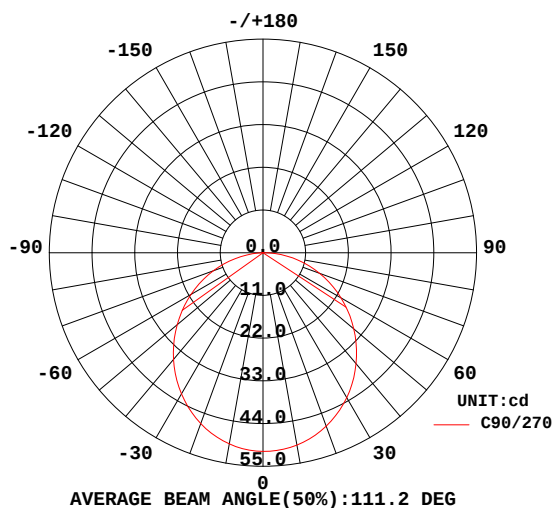


LUMINAIRE PHOTOMETRIC TEST REPORT

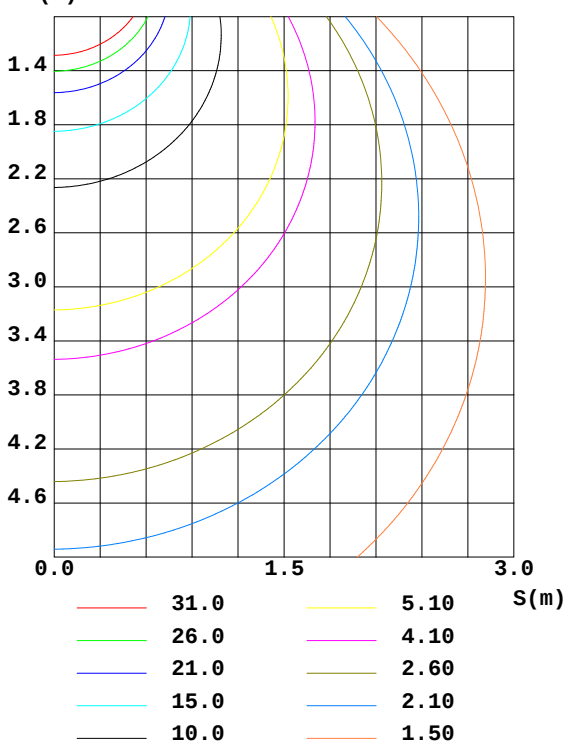
NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.:11.5*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 31.79 lm/W			
MODEL	5050	I _{max} (cd)	51.38	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.68	LOR(%)	124.8	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	149.73	η UP, DN(C0-180)	0.4, 60.6
NOMINAL FLUX(lm)	120	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3, 63.5
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	124.1	CIBSE SHR MAX	1.35

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	50.15	50.00	49.98	50.45	50.57	50.65	50.29	50.27	0- 10	4.848	4.848	3.24, 4.04
20	47.27	46.88	46.83	47.70	48.05	48.11	47.54	47.40	10- 20	13.86	18.71	12.5, 15.6
30	42.75	42.09	41.99	43.20	43.83	43.91	43.11	42.91	20- 30	20.93	39.64	26.5, 33
40	36.89	36.03	35.85	37.34	38.24	38.31	37.30	37.11	30- 40	25.16	64.80	43.3, 54
50	30.01	29.03	28.86	30.46	31.54	31.64	30.54	30.29	40- 50	26.09	90.89	60.7, 75.7
60	22.50	21.51	21.37	23.01	24.08	24.23	23.15	22.79	50- 60	23.81	114.7	76.6, 95.6
70	14.71	13.75	13.65	15.23	16.27	16.50	15.55	15.01	60- 70	18.80	133.5	89.2, 111
80	6.549	5.849	5.792	7.298	8.136	8.530	7.781	7.001	70- 80	11.72	145.2	97, 121
90	0.4445	0.6557	0.2533	0.5751	0.7040	0.9408	0.6892	0.2649	80- 90	3.733	149.0	99.5, 124
100	0.3682	0.4717	0.0675	0.3084	0.4251	0.2151	0	0.0130	90-100	0.3498	149.3	99.7, 124
110	0.2905	0.2695	0	0.1449	0.3343	0.1219	0	0	100-110	0.1931	149.5	99.8, 125
120	0.2256	0.1762	0	0.0233	0.2514	0.0596	0	0	110-120	0.1131	149.6	99.9, 125
130	0.1427	0.1192	0	0	0.1710	0.0389	0	0	120-130	0.0711	149.7	100, 125
140	0.0545	0.0699	0	0	0.0907	0.0052	0	0	130-140	0.0358	149.7	100, 125
150	0.0000	0.0181	0	0	0.0310	0	0	0	140-150	0.0112	149.7	100, 125
160	0	0	0	0	0	0	0	0	150-160	0.0008	149.7	100, 125
170	0	0	0	0	0	0	0	0	160-170	0	149.7	100, 125
180	0	0	0	0	0	0	0	0	170-180	0	149.7	100, 125
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

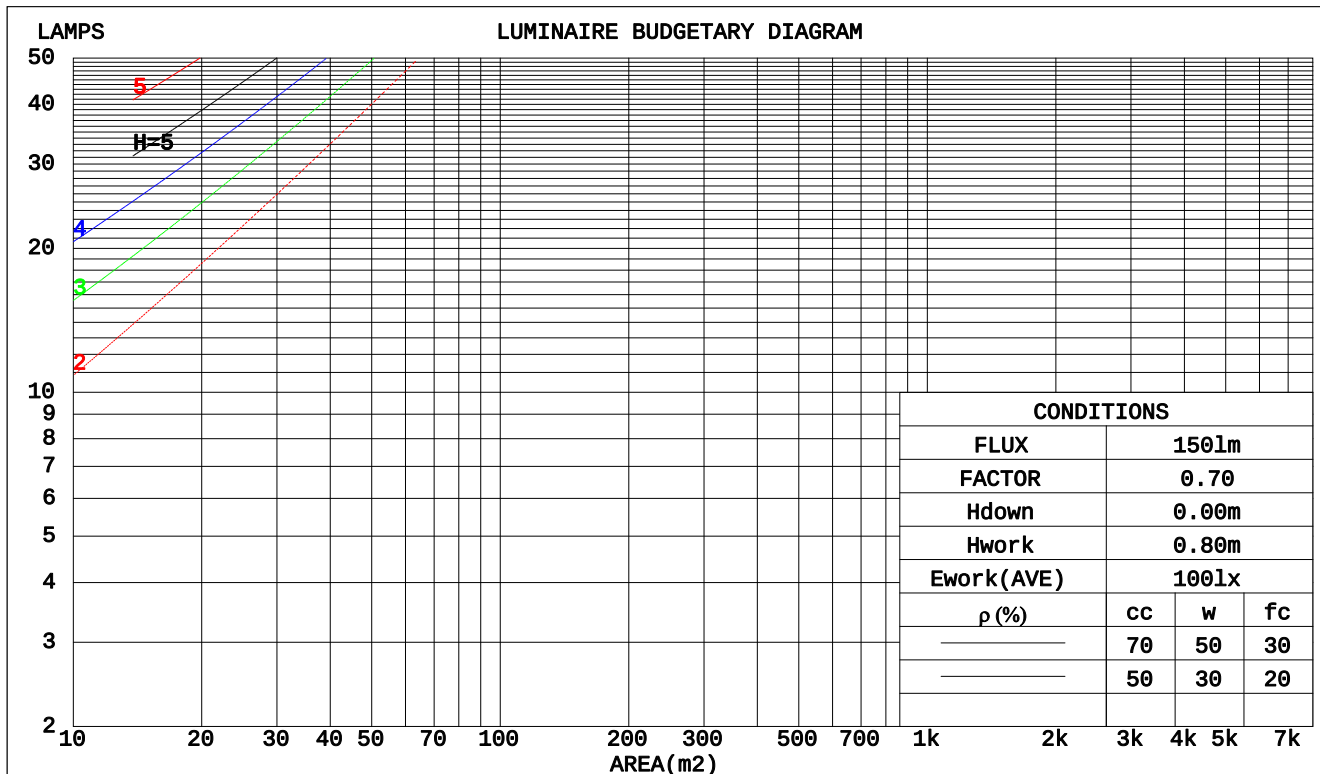
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.48	1.48	1.48	1.45	1.45	1.45	1.38	1.38	1.38	1.32	1.32	1.32	1.27	1.27	1.27	1.24
1.0	1.29	1.23	1.18	1.26	1.21	1.16	1.20	1.16	1.12	1.15	1.12	1.09	1.11	1.08	1.05	1.03
2.0	1.12	1.03	.96	1.09	1.01	.94	1.05	.98	.92	1.01	.95	.90	.97	.92	.88	.85
3.0	.98	.87	.79	.96	.86	.78	.92	.84	.77	.88	.81	.75	.85	.79	.74	.71
4.0	.87	.75	.67	.85	.74	.66	.82	.73	.65	.79	.71	.64	.76	.69	.63	.61
5.0	.77	.66	.57	.76	.65	.57	.73	.64	.56	.70	.62	.56	.68	.61	.55	.52
6.0	.69	.58	.50	.68	.58	.50	.66	.56	.49	.64	.55	.49	.62	.54	.48	.46
7.0	.63	.52	.44	.62	.51	.44	.60	.50	.44	.58	.50	.43	.56	.49	.43	.40
8.0	.57	.47	.39	.57	.46	.39	.55	.46	.39	.53	.45	.39	.52	.44	.38	.36
9.0	.53	.42	.35	.52	.42	.35	.50	.41	.35	.49	.41	.35	.48	.40	.35	.32
10.0	.49	.39	.32	.48	.38	.32	.47	.38	.32	.45	.37	.32	.44	.37	.31	.29



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

ρcc	80%			70%			50%			30%			10%			0	
ρw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρfc	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.400	.228	.072	.391	.223	.071	.374	.215	.069	.359	.207	.066	.344	.200	.064		
2.0	.373	.204	.063	.365	.201	.062	.350	.195	.060	.336	.189	.059	.323	.183	.058		
3.0	.343	.183	.055	.336	.180	.054	.323	.175	.053	.310	.170	.052	.299	.166	.051		
4.0	.315	.164	.048	.309	.162	.048	.297	.158	.047	.286	.154	.046	.276	.150	.046		
5.0	.291	.148	.043	.285	.146	.043	.275	.143	.042	.265	.140	.042	.256	.137	.041		
6.0	.269	.135	.039	.264	.133	.038	.255	.131	.038	.246	.128	.038	.238	.125	.037		
7.0	.250	.124	.035	.246	.122	.035	.237	.120	.035	.229	.118	.034	.222	.115	.034		
8.0	.233	.114	.032	.229	.113	.032	.222	.111	.032	.215	.109	.031	.208	.107	.031		
9.0	.218	.106	.029	.215	.105	.029	.208	.103	.029	.202	.101	.029	.196	.099	.029		
10.0	.205	.098	.027	.202	.098	.027	.196	.096	.027	.190	.094	.027	.185	.093	.027		

ρ _{CC}	80%			70%			50%			30%			10%			0
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.243	.243	.243	.207	.207	.207	.142	.142	.142	.081	.081	.081	.026	.026	.026	
1.0	.231	.200	.172	.198	.171	.148	.135	.118	.102	.078	.068	.059	.025	.022	.019	
2.0	.221	.170	.126	.189	.146	.109	.130	.101	.076	.075	.059	.045	.024	.019	.015	
3.0	.211	.148	.097	.181	.127	.084	.124	.089	.059	.072	.052	.035	.023	.017	.011	
4.0	.202	.131	.077	.173	.113	.067	.119	.079	.047	.069	.046	.028	.022	.015	.009	
5.0	.192	.118	.063	.165	.102	.055	.114	.071	.039	.066	.042	.023	.021	.014	.008	
6.0	.183	.108	.054	.158	.093	.047	.109	.065	.033	.063	.038	.020	.020	.013	.006	
7.0	.175	.099	.046	.150	.086	.040	.104	.060	.029	.060	.036	.017	.020	.012	.006	
8.0	.167	.092	.041	.143	.080	.035	.099	.056	.025	.058	.033	.015	.019	.011	.005	
9.0	.159	.086	.036	.137	.074	.032	.095	.052	.023	.055	.031	.013	.018	.010	.004	
10.0	.152	.080	.033	.131	.070	.029	.091	.049	.020	.053	.029	.012	.017	.010	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G						WEIGHT:0.325Kg/m					
DIM.: 11.5*21mm						SPEC.:		SERIAL No.:			
MFR.:						SUR.:11.5*1000mm		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	17.5	19.0	17.8	19.2	19.4	17.3	18.8	17.5	19.0	19.2	
	3H	19.1	20.5	19.4	20.8	21.0	18.8	20.2	19.1	20.5	20.7
	4H	19.8	21.1	20.1	21.4	21.7	19.5	20.8	19.8	21.1	21.3
	6H	20.3	21.6	20.6	21.8	22.1	19.9	21.2	20.2	21.5	21.8
	8H	20.4	21.7	20.8	22.0	22.3	20.0	21.3	20.4	21.6	21.9
	12H	20.5	21.7	20.9	22.0	22.3	20.1	21.3	20.4	21.6	21.9
4H	2H	18.1	19.4	18.4	19.7	19.9	17.9	19.2	18.2	19.5	19.8
	3H	19.9	21.1	20.2	21.4	21.7	19.6	20.8	20.0	21.1	21.4
	4H	20.7	21.8	21.1	22.1	22.4	20.4	21.5	20.8	21.8	22.2
	6H	21.3	22.3	21.7	22.6	23.0	21.0	21.9	21.4	22.3	22.7
	8H	21.5	22.4	21.9	22.8	23.2	21.1	22.0	21.6	22.4	22.8
	12H	21.6	22.5	22.1	22.8	23.3	21.2	22.0	21.6	22.4	22.8
8H	4H	20.9	21.8	21.4	22.2	22.6	20.7	21.6	21.1	22.0	22.4
	6H	21.7	22.5	22.2	22.9	23.3	21.4	22.1	21.8	22.6	23.0
	8H	22.0	22.7	22.5	23.1	23.6	21.6	22.3	22.1	22.7	23.2
	12H	22.2	22.7	22.6	23.2	23.7	21.8	22.3	22.2	22.8	23.3
12H	4H	20.9	21.8	21.4	22.2	22.6	20.7	21.5	21.1	21.9	22.3
	6H	21.8	22.4	22.2	22.9	23.3	21.4	22.1	21.9	22.6	23.0
	8H	22.1	22.6	22.6	23.1	23.6	21.7	22.3	22.2	22.8	23.2
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2					
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					

CIE Pub.117 Corrected 120.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.4)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT: 0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

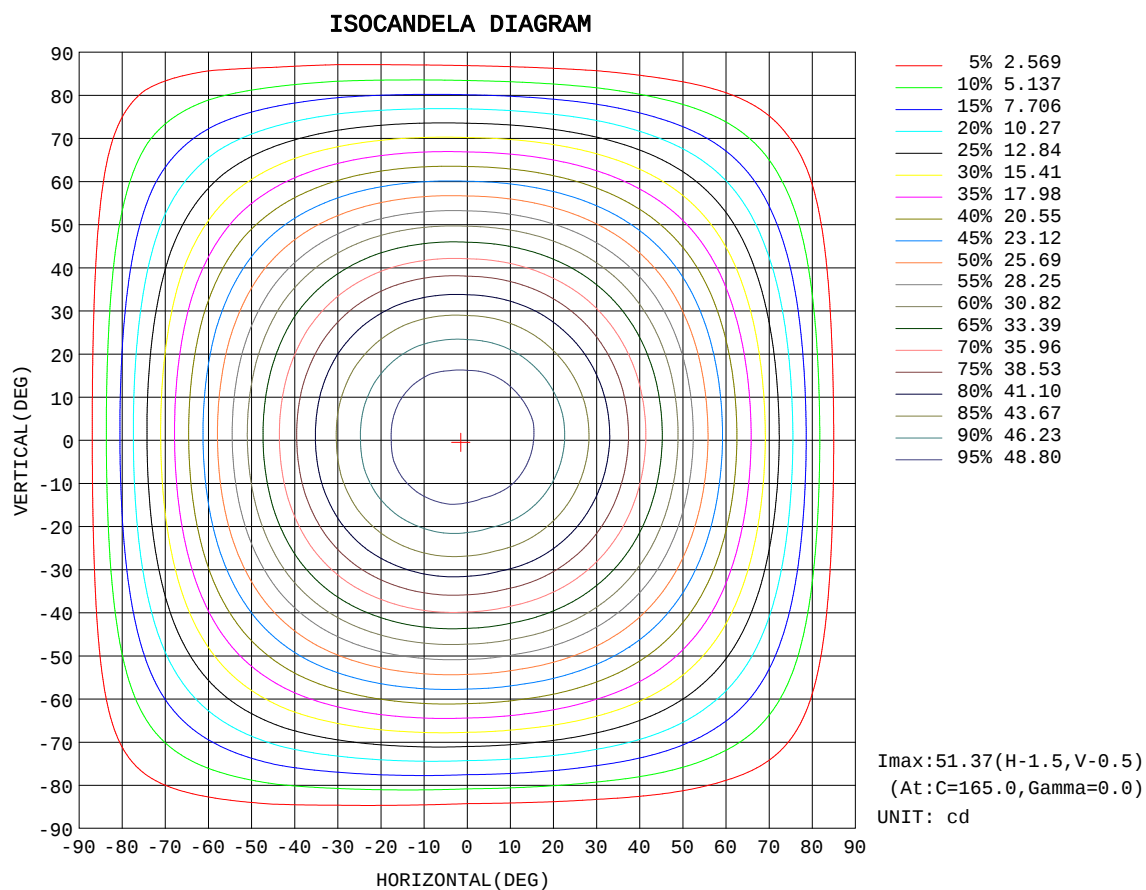
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	71	56	47	70	56	47	68	55	47	39
0.80	83	69	59	82	68	59	80	67	59	50
1.00	94	80	70	92	79	70	89	81	69	60
1.25	102	89	80	101	88	79	97	86	78	69
1.50	109	96	87	107	95	86	103	93	85	75
2.00	117	106	98	115	105	97	111	102	95	85
2.50	122	112	105	120	111	103	115	107	101	90
3.00	127	118	111	124	116	109	119	112	106	96
4.00	132	124	118	129	122	117	123	118	113	102
5.00	135	129	123	132	126	121	126	121	117	106
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity: 45.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.:11.5*1000mm	

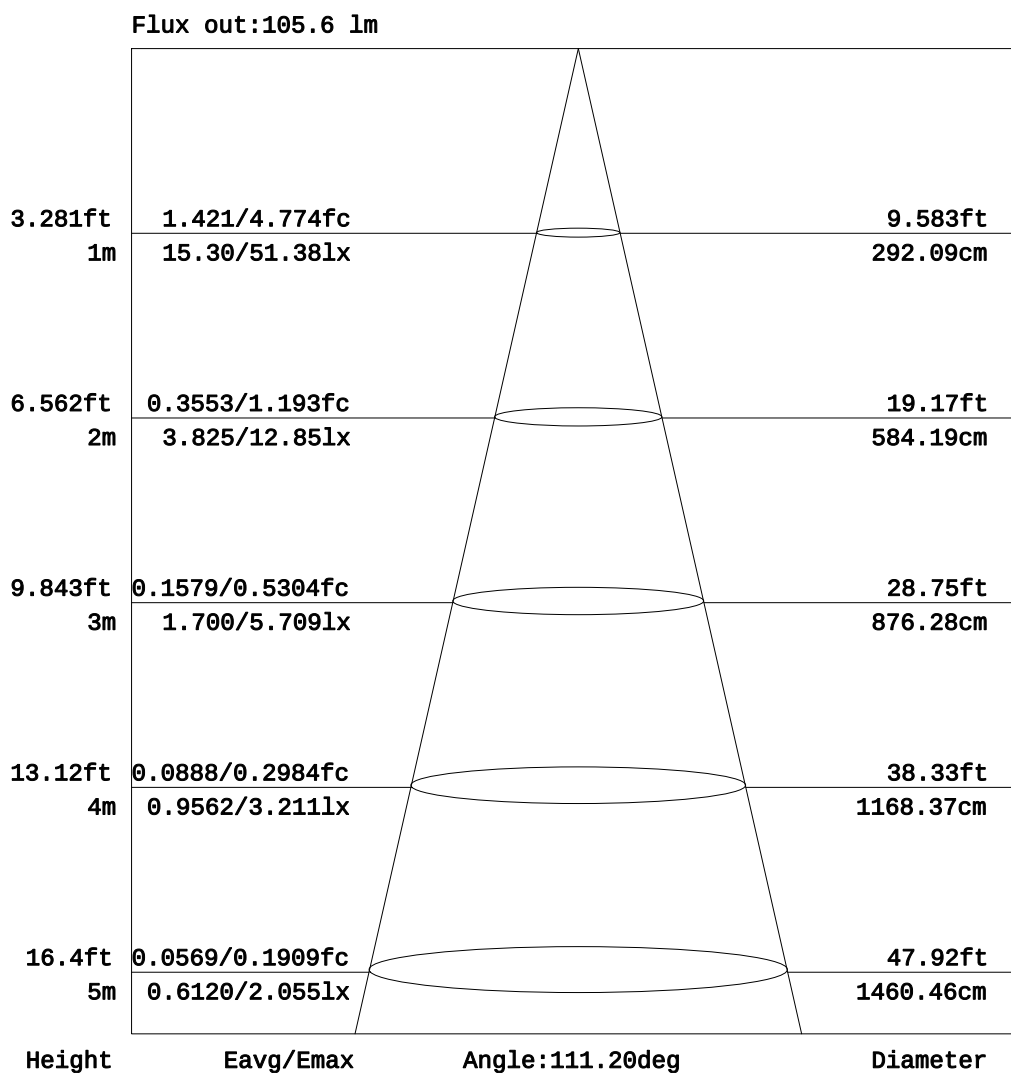


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

AAI Figure

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:11.5*1000mm	PROTECTION ANGLE:



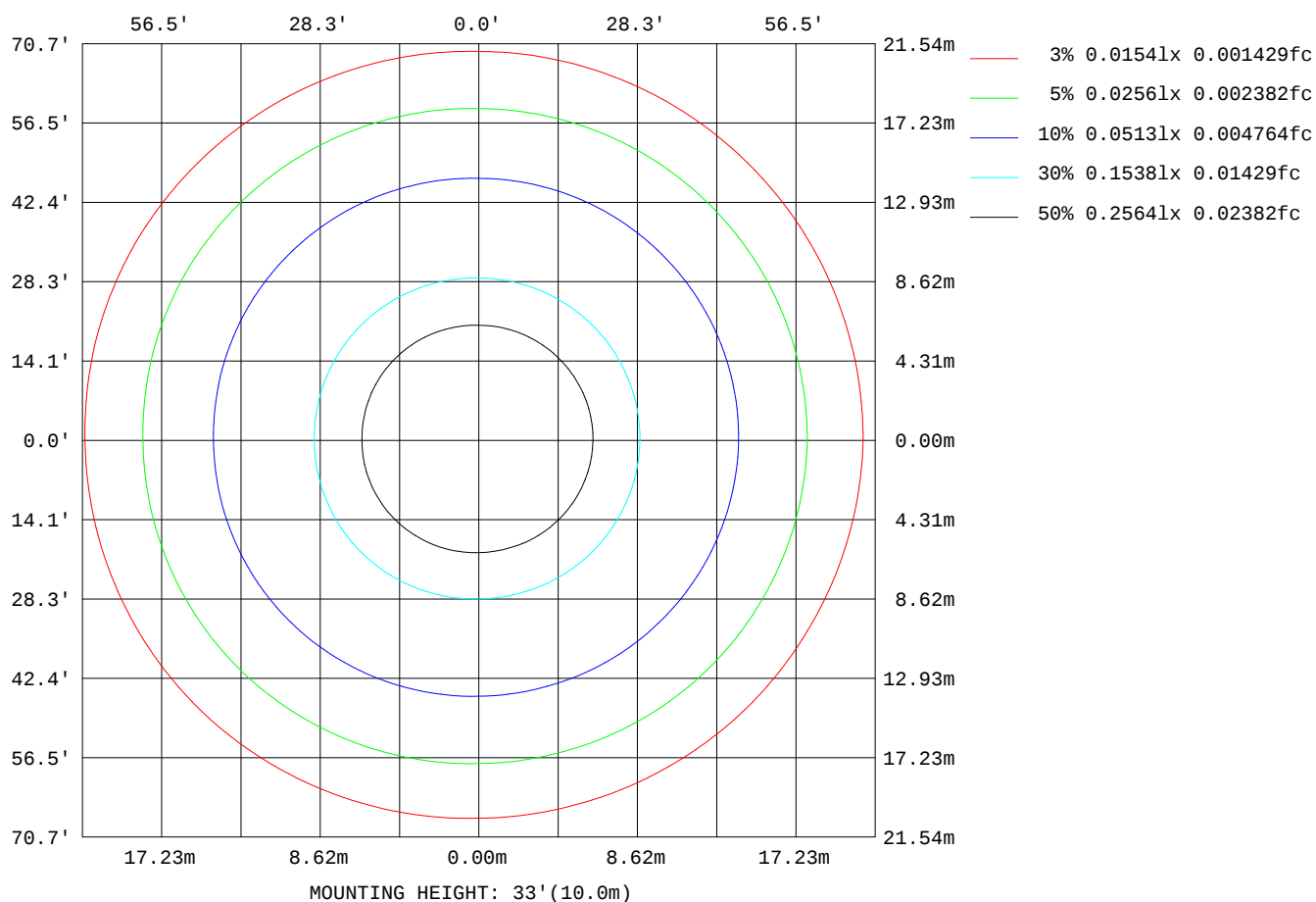
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

Parameter description for average Luminance	Symbol	Value	Unit
Luminance in Azimuth Plane	Bc	refer Table 2	cd/sq.m.
Intensity at angle Gamma in given azimuth plane	I	from data	cd/klm
Number of lamps	N	1	
Output of each lamp(initial lumens as specified)	F	120	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0115	sq.m.
Angle to the downward vertical from light centre	Gamma	from data	deg

Table 1. Calculation parameters for determination of CIBSE LG3:1996 Average Luminance

G deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	3988	3951	3914	3879	3850	3826	3808	3793	3794	3815	3857	3910	3968	4031	4089	4137	4176	4204	4225
60	3913	3869	3826	3786	3754	3728	3708	3693	3694	3717	3766	3827	3894	3967	4032	4085	4129	4161	4187
65	3831	3777	3726	3679	3649	3621	3595	3581	3584	3608	3665	3736	3813	3899	3975	4036	4087	4127	4161
70	3739	3662	3596	3543	3509	3479	3450	3439	3443	3470	3541	3627	3718	3823	3913	3980	4038	4087	4135
75	3591	3489	3404	3339	3305	3270	3235	3228	3235	3265	3358	3469	3584	3725	3836	3910	3987	4052	4114
80	3280	3173	3069	2980	2943	2900	2848	2851	2864	2900	3042	3197	3351	3559	3713	3804	3916	3999	4074
85	2503	2391	2268	2158	2142	2102	2028	2010	2002	2040	2260	2526	2806	3166	3439	3603	3780	3910	4048

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum calculated	specified maximum	maximum measured	specified maximum
Category 1	55 to 90	4225	200	---	500
Category 2	65 to 90	4161	200	---	500
Category 3	75 to 90	4114	200	---	500

Table 3. Tabulation of Average and Patch Luminance(cd/sq.m.) for defined CIBSE categories

No match

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K) -56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	51.3	51.3	51.3	51.3	51.2	51.1	51.2	51.3	51.3	51.3	51.3	51.4	51.3	51.3	51.3	51.3	51.2	51.1	51.2
5	51.0	51.0	51.0	51.0	50.9	50.8	50.9	51.1	51.2	51.2	51.3	51.3	51.2	51.2	51.3	51.3	51.2	51.0	51.0
10	50.1	50.1	50.0	50.0	49.9	49.8	50.0	50.2	50.3	50.5	50.6	50.6	50.6	50.6	50.6	50.6	50.5	50.4	50.3
15	49.2	49.1	49.0	49.0	48.8	48.8	49.0	49.2	49.4	49.6	49.7	49.8	49.8	49.9	49.9	49.8	49.8	49.5	49.4
20	47.3	47.1	47.0	46.9	46.7	46.6	46.8	47.2	47.4	47.7	47.9	48.1	48.1	48.1	48.2	48.1	48.0	47.7	47.5
25	45.6	45.5	45.3	45.1	45.0	44.9	45.1	45.4	45.7	46.1	46.4	46.5	46.5	46.7	46.7	46.6	46.5	46.2	46.0
30	42.8	42.5	42.3	42.1	42.0	41.8	42.0	42.4	42.8	43.2	43.6	43.8	43.8	44.0	44.0	43.9	43.7	43.4	43.1
35	40.5	40.3	40.0	39.8	39.6	39.5	39.7	40.1	40.5	41.0	41.4	41.7	41.8	41.9	42.0	41.8	41.6	41.3	40.9
40	36.9	36.6	36.3	36.0	35.8	35.7	35.8	36.3	36.8	37.3	37.8	38.1	38.2	38.4	38.5	38.3	38.0	37.7	37.3
45	34.2	33.9	33.6	33.3	33.1	33.0	33.1	33.6	34.1	34.7	35.2	35.5	35.7	35.9	35.9	35.7	35.5	35.1	34.7
50	30.0	29.6	29.3	29.0	28.8	28.7	28.9	29.3	29.9	30.5	31.0	31.3	31.5	31.8	31.8	31.6	31.3	30.9	30.5
55	27.1	26.7	26.3	26.0	25.9	25.7	25.9	26.3	26.9	27.5	28.0	28.4	28.6	28.9	29.0	28.7	28.4	28.0	27.7
60	22.5	22.1	21.8	21.5	21.3	21.2	21.4	21.8	22.4	23.0	23.5	23.8	24.1	24.4	24.5	24.2	23.9	23.5	23.1
65	19.4	19.0	18.7	18.4	18.2	18.2	18.3	18.8	19.3	19.9	20.4	20.8	21.0	21.4	21.4	21.2	20.9	20.5	20.1
70	14.7	14.3	13.9	13.7	13.6	13.5	13.6	14.1	14.6	15.2	15.7	16.0	16.3	16.7	16.7	16.5	16.2	15.9	15.6
75	11.5	11.1	10.7	10.6	10.4	10.4	10.5	11.0	11.5	12.1	12.4	12.8	13.0	13.5	13.5	13.3	13.1	12.8	12.4
80	6.55	6.24	5.95	5.85	5.69	5.71	5.79	6.24	6.69	7.30	7.60	7.92	8.14	8.64	8.70	8.53	8.37	8.07	7.78
85	3.32	3.09	2.86	2.80	2.69	2.69	2.75	3.15	3.58	4.12	4.41	4.68	4.87	5.41	5.50	5.35	5.25	4.95	4.68
90	0.44	0.58	0.66	0.66	0.56	0.36	0.25	0.31	0.43	0.58	0.59	0.62	0.70	1.16	1.20	0.94	0.91	0.78	0.69
95	0.41	0.51	0.58	0.58	0.48	0.28	0.16	0.21	0.32	0.43	0.45	0.44	0.48	0.70	0.51	0.27	0.12	0.05	0.00
100	0.37	0.43	0.47	0.47	0.36	0.18	0.07	0.11	0.18	0.31	0.34	0.34	0.43	0.62	0.44	0.22	0.05	0.00	0.00
105	0.34	0.40	0.39	0.40	0.31	0.12	0.01	0.05	0.12	0.25	0.29	0.31	0.39	0.57	0.39	0.18	0.02	0.00	0.00
110	0.29	0.36	0.33	0.27	0.19	0.04	0.00	0.00	0.04	0.14	0.18	0.26	0.33	0.46	0.31	0.12	0.00	0.00	0.00
115	0.26	0.33	0.30	0.21	0.10	0.00	0.00	0.00	0.00	0.06	0.15	0.24	0.31	0.40	0.29	0.07	0.00	0.00	0.00
120	0.23	0.28	0.26	0.18	0.03	0.00	0.00	0.00	0.00	0.02	0.12	0.19	0.25	0.31	0.25	0.06	0.00	0.00	0.00
125	0.19	0.24	0.23	0.16	0.02	0.00	0.00	0.00	0.00	0.01	0.09	0.17	0.23	0.26	0.22	0.06	0.00	0.00	0.00
130	0.14	0.19	0.19	0.12	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.13	0.17	0.19	0.16	0.04	0.00	0.00	0.00
135	0.10	0.15	0.15	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.10	0.14	0.15	0.12	0.03	0.00	0.00	0.00
140	0.05	0.09	0.10	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.07	0.09	0.09	0.08	0.01	0.00	0.00	0.00
145	0.03	0.06	0.07	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.07	0.07	0.04	0.00	0.00	0.00	0.00
150	0.00	0.02	0.03	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.03	0.02	0.01	0.00	0.00	0.00	0.00
155	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
165	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
170	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
180	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	51.3	51.3	51.3	51.3	51.4														
5	51.2	51.1	51.1	51.1	51.2														
10	50.4	50.3	50.3	50.3	50.3														
15	49.4	49.4	49.3	49.3	49.3														
20	47.5	47.5	47.4	47.4	47.4														
25	45.9	45.9	45.8	45.8	45.7														
30	43.1	43.0	42.9	42.9	42.9														
35	40.9	40.8	40.7	40.7	40.7														
40	37.3	37.2	37.1	37.1	37.0														
45	34.6	34.5	34.5	34.4	34.4														
50	30.5	30.4	30.3	30.2	30.2														
55	27.5	27.5	27.3	27.3	27.2														
60	23.0	22.9	22.8	22.7	22.6														
65	20.0	19.9	19.7	19.6	19.5														
70	15.4	15.2	15.0	14.8	14.7														
75	12.3	12.1	11.8	11.6	11.4														
80	7.57	7.36	7.00	6.72	6.44														
85	4.47	4.25	3.87	3.56	3.22														
90	0.60	0.45	0.26	0.16	0.11														
95	0.04	0.08	0.09	0.07	0.06														
100	0.00	0.00	0.01	0.01	0.03														
105	0.00	0.00	0.00	0.00	0.03														
110	0.00	0.00	0.00	0.00	0.05														
115	0.00	0.00	0.00	0.00	0.07														
120	0.00	0.00	0.00	0.02	0.08														
125	0.00	0.00	0.00	0.03	0.08														
130	0.00	0.00	0.00	0.04	0.07														
135	0.00	0.00	0.00	0.03	0.06														
140	0.00	0.00	0.00	0.02	0.03														
145	0.00	0.00	0.00	0.00	0.02														
150	0.00	0.00	0.00	0.00	0.00														
155	0.00	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.00	0.00														
165	0.00	0.00	0.00	0.00	0.00														
170	0.00	0.00	0.00	0.00	0.00														
175	0.00	0.00	0.00	0.00	0.00														
180	0.00	0.00	0.00	0.00	0.00														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks: