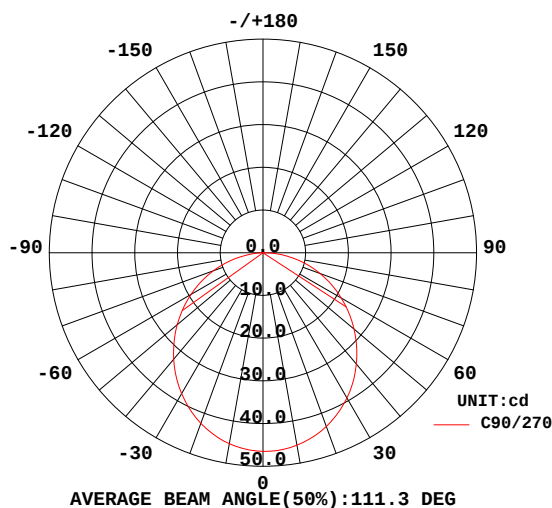


LUMINAIRE PHOTOMETRIC TEST REPORT

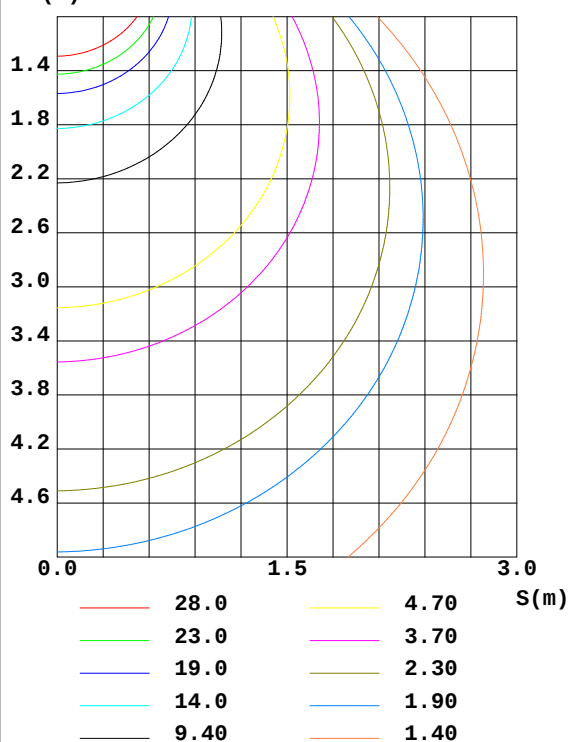
NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.:11.5*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 29.14 lm/W
MODEL	5050	I _{max} (cd)	46.78	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	4.68	LOR(%)	113.6	S/MH(C90/270)	1.22	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	136.38	η UP, DN(C0-180)	0.3, 55.1	
NOMINAL FLUX(lm)	120	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.3, 58.0	
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	113.0	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	45.75	45.48	45.40	45.77	46.13	46.10	45.75	45.67	0- 10	4.408	4.408	3.23, 3.67
20	43.10	42.61	42.51	43.26	43.85	43.84	43.29	43.09	10- 20	12.60	17.01	12.5, 14.2
30	39.00	38.25	38.10	39.19	40.03	40.06	39.28	39.02	20- 30	19.04	36.05	26.4, 30
40	33.64	32.72	32.53	33.90	34.94	34.98	34.00	33.74	30- 40	22.89	58.93	43.2, 49.1
50	27.35	26.35	26.22	27.67	28.83	28.92	27.84	27.55	40- 50	23.75	82.68	60.6, 68.9
60	20.51	19.54	19.43	20.95	22.04	22.22	21.14	20.75	50- 60	21.69	104.4	76.5, 87
70	13.34	12.46	12.40	13.89	14.92	15.20	14.22	13.68	60- 70	17.15	121.5	89.1, 101
80	5.910	5.221	5.206	6.664	7.488	7.911	7.138	6.384	70- 80	10.70	132.2	97, 110
90	0.3588	0.5532	0.2432	0.5893	0.7265	1.133	0.6619	0.2614	80- 90	3.409	135.6	99.4, 113
100	0.2852	0.3745	0.0630	0.3455	0.4349	0.3094	0	0.0122	90-100	0.3506	136.0	99.7, 113
110	0.2152	0.1715	0	0.1811	0.3358	0.2079	0	0	100-110	0.1902	136.2	99.8, 113
120	0.1475	0.0966	0	0.0628	0.2489	0.1305	0	0	110-120	0.1071	136.3	99.9, 114
130	0.0774	0.0386	0	0.0241	0.1811	0.0919	0	0	120-130	0.0634	136.3	100, 114
140	0.0073	0.0024	0	0	0.1159	0.0290	0	0	130-140	0.0296	136.4	100, 114
150	0	0	0	0	0.0458	0	0	0	140-150	0.0085	136.4	100, 114
160	0	0	0	0	0	0	0	0	150-160	0.0008	136.4	100, 114
170	0	0	0	0	0	0	0	0	160-170	0.0000	136.4	100, 114
180	0	0	0	0	0	0	0	0	170-180	0	136.4	100, 114
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

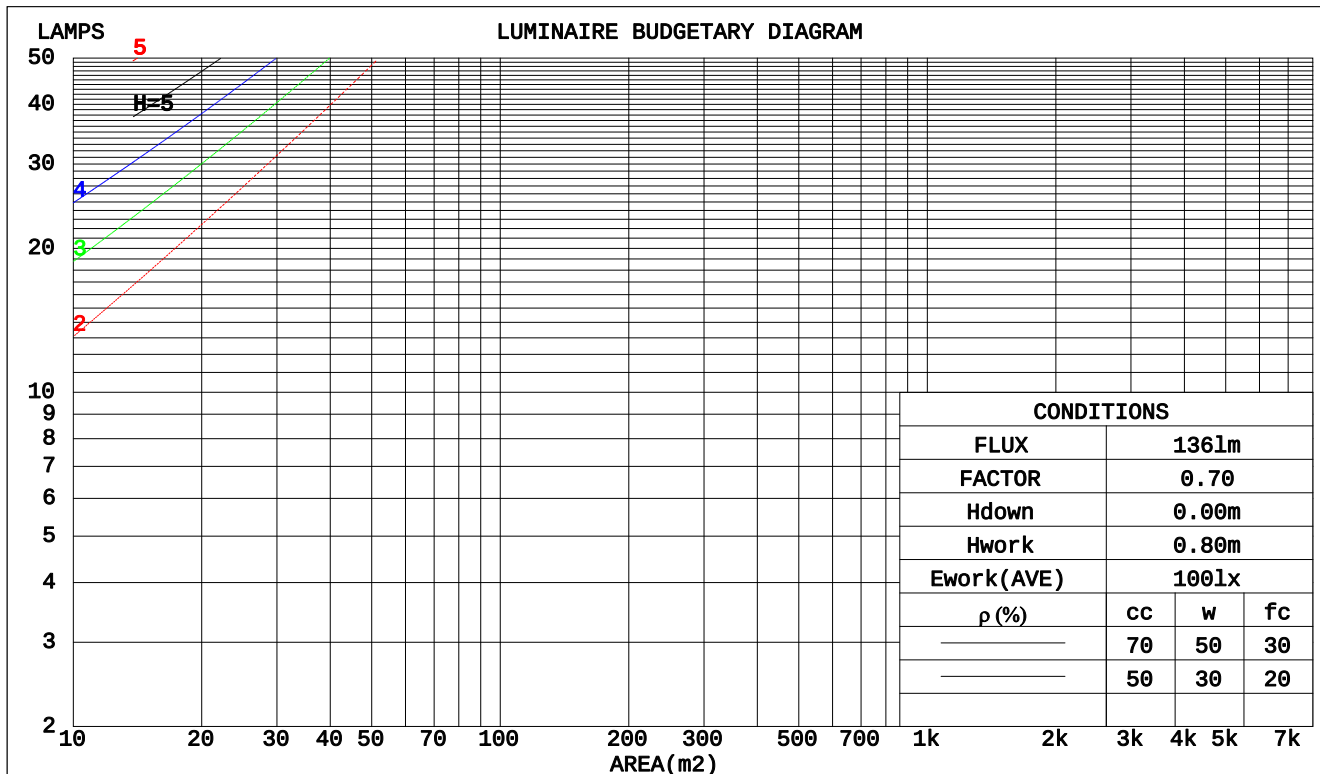
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-28

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_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-W	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	1.35	1.35	1.35	1.32	1.32	1.32	1.26	1.26	1.26	1.20	1.20	1.20	1.15	1.15	1.15	1.13
1.0	1.17	1.12	1.08	1.15	1.10	1.06	1.10	1.06	1.02	1.05	1.02	.99	1.01	.98	.96	.94
2.0	1.02	.94	.87	.90	.92	.86	.95	.89	.84	.92	.86	.82	.88	.84	.80	.77
3.0	.89	.80	.72	.87	.78	.71	.84	.76	.70	.81	.74	.69	.77	.72	.67	.65
4.0	.79	.69	.61	.77	.68	.60	.74	.66	.59	.72	.64	.59	.69	.63	.58	.55
5.0	.70	.60	.52	.69	.59	.52	.66	.58	.51	.64	.57	.51	.62	.55	.50	.48
6.0	.63	.53	.46	.62	.52	.45	.60	.51	.45	.58	.50	.44	.56	.49	.44	.42
7.0	.57	.47	.40	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.37
8.0	.52	.43	.36	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.33
9.0	.48	.39	.32	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.37	.31	.29
10.0	.44	.35	.29	.44	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.29	.27



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:

WEC AND CCEC

NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-W	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.365	.208	.066	.357	.203	.065	.341	.196	.063	.327	.189	.061	.314	.182	.059		
2.0	.340	.186	.057	.333	.183	.056	.319	.177	.055	.306	.172	.054	.295	.167	.053		
3.0	.313	.166	.050	.306	.164	.049	.294	.159	.048	.283	.155	.048	.272	.151	.047		
4.0	.287	.149	.044	.282	.147	.044	.271	.144	.043	.261	.140	.042	.252	.137	.042		
5.0	.265	.135	.039	.260	.133	.039	.250	.130	.038	.241	.127	.038	.233	.125	.037		
6.0	.245	.123	.035	.241	.122	.035	.232	.119	.035	.224	.116	.034	.217	.114	.034		
7.0	.228	.113	.032	.224	.112	.032	.216	.109	.031	.209	.107	.031	.202	.105	.031		
8.0	.213	.104	.029	.209	.103	.029	.202	.101	.029	.196	.099	.029	.190	.097	.028		
9.0	.199	.096	.027	.196	.095	.027	.190	.094	.027	.184	.092	.026	.178	.091	.026		
10.0	.187	.090	.025	.184	.089	.025	.178	.087	.025	.173	.086	.024	.168	.085	.024		

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	.221	.221	.221	.189	.189	.189	.129	.129	.129	.074	.074	.074	.024	.024	.024	
1.0	.211	.182	.156	.180	.156	.135	.123	.108	.093	.071	.062	.054	.023	.020	.018	
2.0	.202	.155	.115	.173	.133	.100	.118	.092	.069	.068	.054	.041	.022	.017	.013	
3.0	.193	.135	.088	.165	.116	.077	.114	.081	.054	.066	.047	.032	.021	.015	.010	
4.0	.184	.120	.071	.158	.103	.061	.109	.072	.043	.063	.042	.026	.020	.014	.008	
5.0	.176	.108	.058	.151	.093	.050	.104	.065	.036	.060	.038	.021	.019	.013	.007	
6.0	.167	.098	.049	.144	.085	.043	.099	.060	.030	.058	.035	.018	.019	.011	.006	
7.0	.160	.091	.042	.137	.079	.037	.095	.055	.026	.055	.032	.016	.018	.011	.005	
8.0	.152	.084	.037	.131	.073	.033	.091	.051	.023	.053	.030	.014	.017	.010	.005	
9.0	.145	.078	.033	.125	.068	.029	.087	.048	.021	.050	.028	.012	.016	.009	.004	
10.0	.139	.074	.030	.119	.064	.026	.083	.045	.019	.048	.027	.011	.016	.009	.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-W						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	2H	17.1	18.7	17.4	18.9	19.1	16.9	18.4	17.2	18.7	18.9
	3H	18.8	20.2	19.1	20.4	20.7	18.5	19.9	18.8	20.1	20.4
	4H	19.4	20.8	19.8	21.1	21.3	19.1	20.5	19.4	20.7	21.0
	6H	19.9	21.2	20.3	21.5	21.8	19.5	20.8	19.9	21.1	21.4
	8H	20.1	21.3	20.4	21.6	21.9	19.7	20.9	20.0	21.2	21.5
	12H	20.2	21.3	20.5	21.6	22.0	19.7	20.9	20.1	21.2	21.5
4H	2H	17.7	19.1	18.1	19.3	19.6	17.5	18.9	17.9	19.2	19.4
	3H	19.5	20.7	19.9	21.0	21.3	19.3	20.5	19.6	20.8	21.1
	4H	20.3	21.4	20.7	21.8	22.1	20.0	21.1	20.4	21.5	21.8
	6H	21.0	21.9	21.4	22.3	22.7	20.6	21.6	21.0	21.9	22.3
	8H	21.2	22.1	21.6	22.4	22.8	20.8	21.7	21.2	22.0	22.4
	12H	21.3	22.1	21.7	22.5	22.9	20.8	21.7	21.3	22.1	22.5
8H	4H	20.6	21.5	21.0	21.9	22.3	20.3	21.2	20.7	21.6	22.0
	6H	21.3	22.1	21.8	22.5	23.0	21.0	21.8	21.5	22.2	22.6
	8H	21.6	22.3	22.1	22.7	23.2	21.2	21.9	21.7	22.4	22.8
	12H	21.8	22.3	22.3	22.8	23.3	21.4	21.9	21.9	22.4	22.9
12H	4H	20.6	21.4	21.0	21.8	22.2	20.3	21.2	20.8	21.6	22.0
	6H	21.4	22.1	21.9	22.5	23.0	21.1	21.7	21.5	22.2	22.6
	8H	21.7	22.3	22.2	22.7	23.2	21.3	21.9	21.8	22.4	22.9
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-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

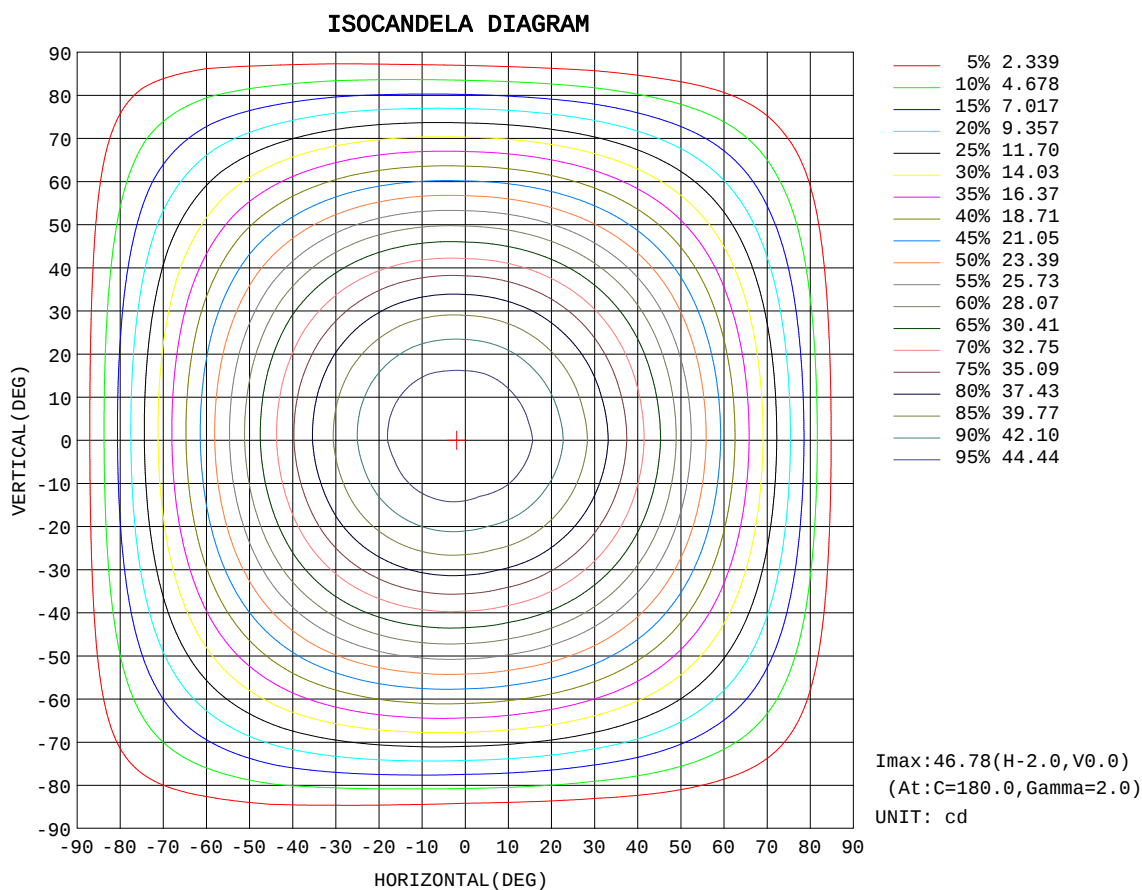
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	65	51	43	64	51	43	62	50	43	36
0.80	76	62	54	75	62	54	73	61	53	45
1.00	85	72	64	84	72	64	81	73	63	55
1.25	93	81	73	92	80	72	88	79	71	63
1.50	99	87	79	97	86	79	94	84	77	69
2.00	107	97	89	105	95	88	101	93	87	77
2.50	111	102	95	109	101	94	105	98	92	82
3.00	115	107	101	113	105	99	108	102	97	87
4.00	120	113	108	117	111	106	112	107	103	93
5.00	123	117	112	120	115	110	115	111	107	96
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-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.:11.5*1000mm	

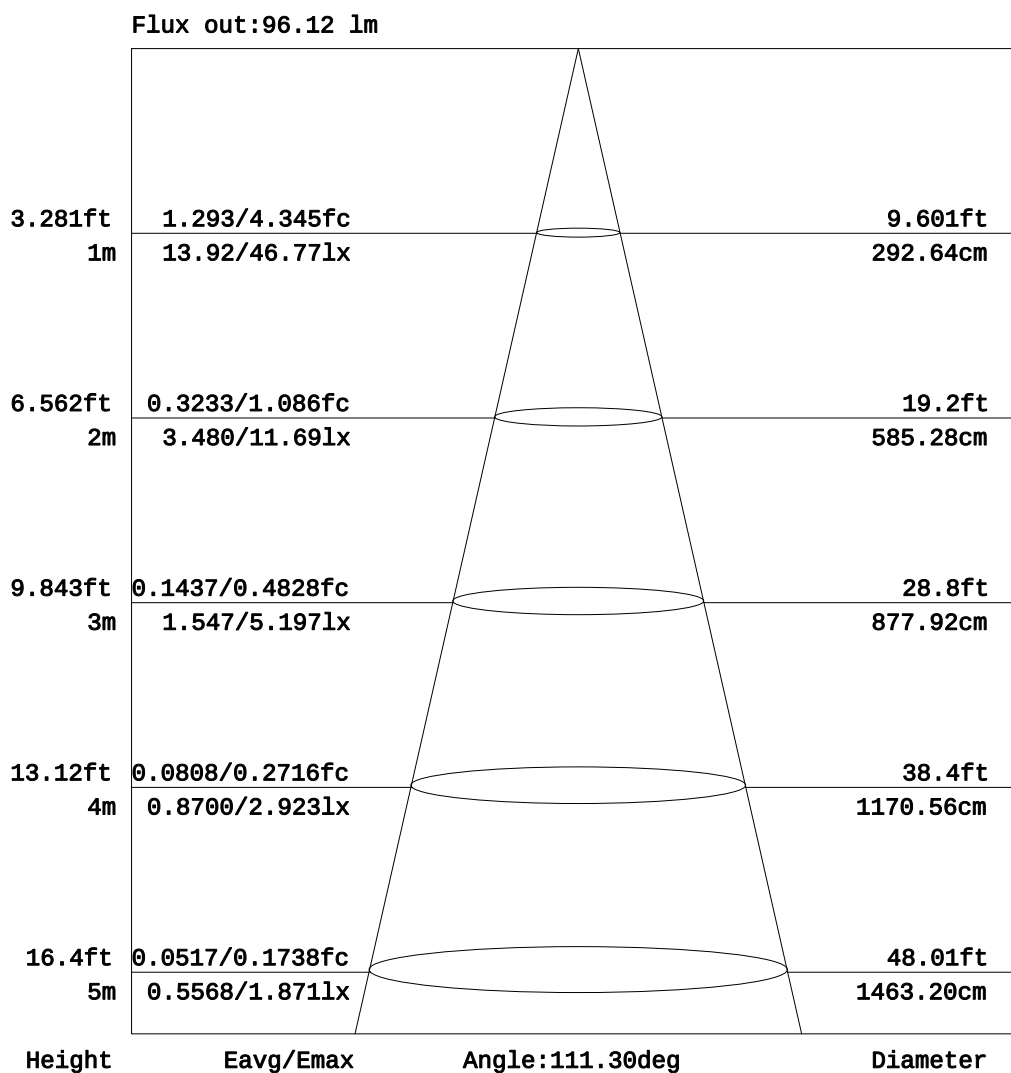


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-28

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-W	5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:11.5*1000mm	PROTECTION ANGLE:



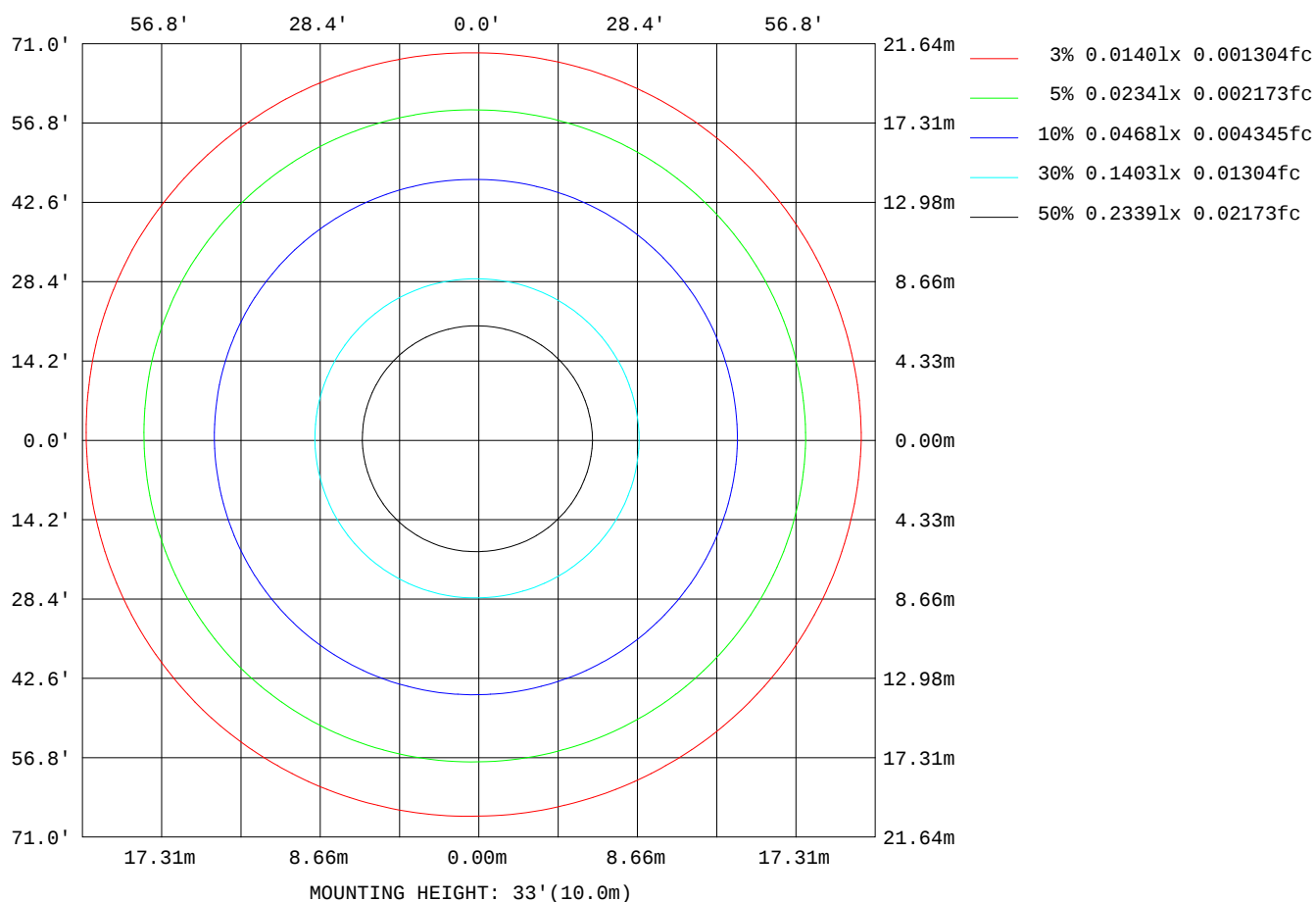
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W	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-W	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	3635	3601	3566	3531	3500	3476	3458	3446	3448	3466	3503	3554	3611	3669	3719	3761	3794	3829	3865
60	3567	3527	3487	3447	3413	3386	3367	3357	3360	3380	3423	3481	3547	3613	3669	3715	3754	3793	3834
65	3490	3441	3392	3348	3317	3289	3263	3250	3254	3281	3335	3404	3480	3556	3621	3671	3718	3764	3813
70	3391	3328	3271	3220	3184	3153	3127	3116	3122	3152	3219	3305	3398	3490	3567	3626	3679	3733	3794
75	3244	3161	3086	3024	2988	2952	2917	2913	2927	2962	3048	3157	3277	3403	3498	3562	3630	3701	3782
80	2959	2857	2756	2668	2629	2587	2540	2546	2569	2607	2686	2847	3069	3259	3386	3460	3555	3647	3750
85	2192	2092	1983	1884	1865	1819	1747	1742	1760	1819	2011	2263	2548	2895	3120	3226	3415	3579	3749

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	3865	200	---	500
Category 2	65 to 90	3813	200	---	500
Category 3	75 to 90	3782	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-W	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	46.8	46.7	46.7	46.7	46.6	46.4	46.5	46.6	46.6	46.6	46.6	46.6	46.8	46.7	46.7	46.7	46.6	46.4	46.5
5	46.6	46.5	46.4	46.4	46.3	46.2	46.3	46.4	46.5	46.5	46.5	46.5	46.7	46.7	46.7	46.7	46.5	46.4	46.4
10	45.7	45.6	45.6	45.5	45.4	45.3	45.4	45.6	45.7	45.8	45.9	45.9	46.1	46.2	46.1	46.1	46.0	45.8	45.7
15	44.9	44.7	44.6	44.5	44.4	44.3	44.4	44.7	44.8	45.0	45.1	45.2	45.4	45.5	45.5	45.4	45.3	45.1	45.0
20	43.1	42.9	42.7	42.6	42.5	42.4	42.5	42.8	43.0	43.3	43.5	43.6	43.9	43.9	43.9	43.8	43.7	43.5	43.3
25	41.6	41.4	41.2	41.0	40.9	40.7	40.9	41.2	41.5	41.8	42.1	42.2	42.5	42.6	42.6	42.5	42.3	42.1	41.9
30	39.0	38.7	38.5	38.2	38.1	37.9	38.1	38.4	38.8	39.2	39.5	39.7	40.0	40.1	40.2	40.1	39.9	39.6	39.3
35	37.0	36.7	36.4	36.2	36.0	35.8	36.0	36.3	36.8	37.2	37.6	37.8	38.1	38.3	38.3	38.2	38.0	37.6	37.3
40	33.6	33.3	33.0	32.7	32.5	32.4	32.5	32.9	33.4	33.9	34.3	34.6	34.9	35.1	35.1	35.0	34.7	34.4	34.0
45	31.2	30.9	30.5	30.3	30.1	29.9	30.1	30.5	31.0	31.5	31.9	32.2	32.6	32.8	32.8	32.7	32.4	32.0	31.6
50	27.3	27.0	26.7	26.4	26.2	26.0	26.2	26.6	27.2	27.7	28.1	28.4	28.8	29.1	29.1	28.9	28.6	28.2	27.8
55	24.7	24.3	24.0	23.7	23.5	23.4	23.5	23.9	24.5	25.0	25.5	25.8	26.2	26.4	26.5	26.3	26.0	25.6	25.2
60	20.5	20.2	19.8	19.5	19.4	19.3	19.4	19.8	20.4	20.9	21.4	21.7	22.0	22.4	22.4	22.2	21.9	21.5	21.1
65	17.7	17.3	17.0	16.8	16.6	16.5	16.6	17.1	17.6	18.2	18.6	18.9	19.2	19.6	19.7	19.4	19.1	18.8	18.4
70	13.3	13.0	12.7	12.5	12.3	12.3	12.4	12.8	13.4	13.9	14.3	14.6	14.9	15.3	15.4	15.2	14.9	14.6	14.2
75	10.4	10.0	9.73	9.58	9.41	9.41	9.53	9.94	10.5	11.0	11.3	11.6	12.0	12.5	12.5	12.3	12.1	11.7	11.4
80	5.91	5.61	5.33	5.22	5.07	5.11	5.21	5.49	6.13	6.66	6.91	7.20	7.49	8.00	8.12	7.91	7.74	7.41	7.14
85	2.93	2.72	2.52	2.45	2.34	2.35	2.45	2.78	3.23	3.76	3.97	4.25	4.48	5.05	5.19	5.01	4.85	4.56	4.29
90	0.36	0.48	0.55	0.55	0.45	0.31	0.24	0.30	0.46	0.59	0.57	0.60	0.73	1.17	1.28	1.13	1.02	0.83	0.66
95	0.32	0.42	0.48	0.48	0.37	0.24	0.16	0.22	0.36	0.45	0.44	0.44	0.52	0.76	0.66	0.40	0.22	0.10	0.01
100	0.29	0.33	0.37	0.37	0.28	0.15	0.06	0.12	0.25	0.35	0.34	0.35	0.43	0.67	0.57	0.31	0.12	0.00	0.00
105	0.26	0.30	0.30	0.30	0.22	0.09	0.02	0.05	0.18	0.28	0.29	0.33	0.39	0.63	0.52	0.26	0.09	0.00	0.00
110	0.22	0.26	0.23	0.17	0.11	0.00	0.00	0.00	0.00	0.09	0.18	0.19	0.28	0.34	0.52	0.42	0.21	0.05	0.00
115	0.19	0.24	0.21	0.12	0.02	0.00	0.00	0.00	0.00	0.02	0.10	0.17	0.26	0.30	0.44	0.38	0.17	0.01	0.00
120	0.15	0.19	0.17	0.10	0.00	0.00	0.00	0.00	0.00	0.06	0.14	0.22	0.25	0.33	0.32	0.13	0.00	0.00	0.00
125	0.12	0.16	0.14	0.07	0.00	0.00	0.00	0.00	0.00	0.04	0.12	0.19	0.23	0.29	0.27	0.11	0.00	0.00	0.00
130	0.08	0.12	0.10	0.04	0.00	0.00	0.00	0.00	0.00	0.02	0.09	0.15	0.18	0.21	0.20	0.09	0.00	0.00	0.00
135	0.05	0.09	0.08	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.12	0.14	0.17	0.15	0.07	0.00	0.00	0.00
140	0.01	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.04	0.08	0.12	0.11	0.10	0.03	0.00	0.00	0.00
145	0.00	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.09	0.08	0.06	0.01	0.00	0.00	0.00
150	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.03	0.02	0.00	0.00	0.00	0.00
155	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.02	0.01	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-W	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	46.6	46.6	46.6	46.6	46.6														
5	46.5	46.5	46.4	46.4	46.4														
10	45.8	45.7	45.7	45.6	45.6														
15	45.0	44.9	44.8	44.8	44.8														
20	43.2	43.2	43.1	43.0	43.0														
25	41.8	41.7	41.6	41.6	41.5														
30	39.2	39.1	39.0	39.0	38.9														
35	37.2	37.1	37.0	37.0	36.9														
40	33.9	33.8	33.7	33.7	33.6														
45	31.5	31.4	31.3	31.3	31.2														
50	27.7	27.6	27.5	27.5	27.4														
55	25.1	25.0	24.9	24.8	24.7														
60	21.0	20.9	20.7	20.7	20.6														
65	18.2	18.1	17.9	17.9	17.7														
70	14.0	13.9	13.7	13.5	13.4														
75	11.2	11.0	10.8	10.6	10.4														
80	6.90	6.71	6.38	6.16	5.85														
85	4.09	3.86	3.54	3.24	2.93														
90	0.55	0.43	0.26	0.15	0.10														
95	0.04	0.08	0.08	0.07	0.04														
100	0.00	0.01	0.01	0.00	0.00														
105	0.00	0.00	0.00	0.00	0.00														
110	0.00	0.00	0.00	0.00	0.01														
115	0.00	0.00	0.00	0.00	0.02														
120	0.00	0.00	0.00	0.00	0.03														
125	0.00	0.00	0.00	0.00	0.02														
130	0.00	0.00	0.00	0.00	0.01														
135	0.00	0.00	0.00	0.00	0.00														
140	0.00	0.00	0.00	0.00	0.00														
145	0.00	0.00	0.00	0.00	0.00														
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: