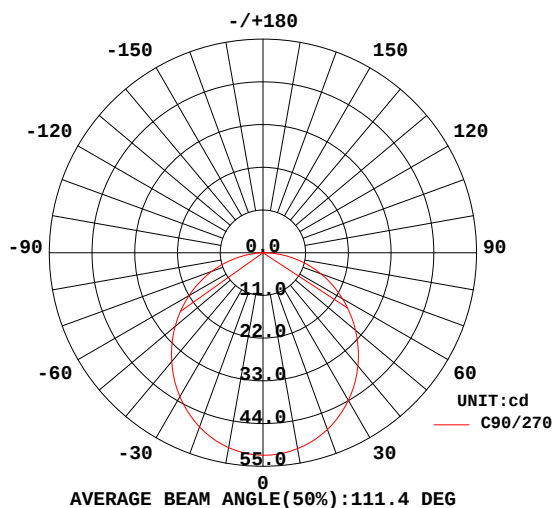


LUMINAIRE PHOTOMETRIC TEST REPORT

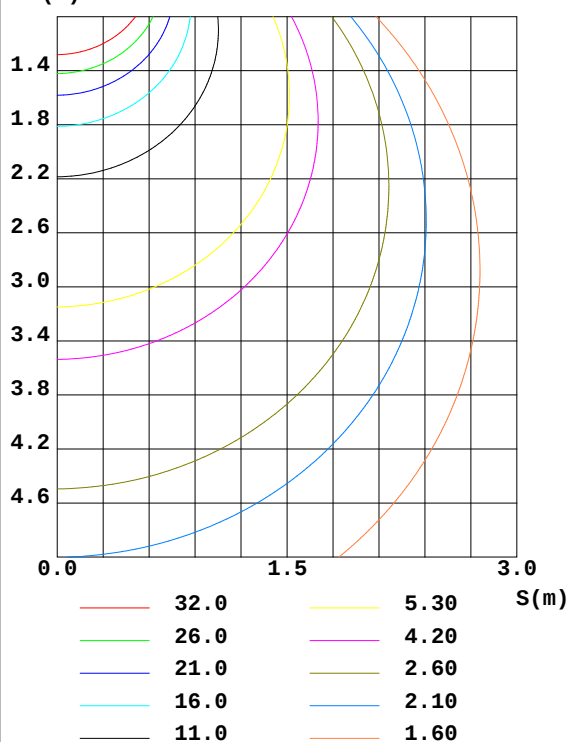
NAME: C-SFR-F15S-HB-D24CC-RGBW(4000K)-56-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.:11.5*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA			
		Eff: 32.47 lm/W			
MODEL	5050	I _{max} (cd)	52.54	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.72	LOR(%)	127.7	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	153.26	η UP, DN(C0-180)	0.4, 62.0
NOMINAL FLUX(lm)	120	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.4, 64.9
LAMPS INSIDE	1	η up(%)	0.8	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	126.9	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:2018-08-29

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	51.40	51.06	50.96	51.38	51.83	51.72	51.24	51.15	0- 10	4.945	4.945	3.23, 4.12
20	48.45	47.87	47.75	48.59	49.26	49.19	48.45	48.21	10- 20	14.14	19.08	12.5, 15.9
30	43.82	42.96	42.80	44.04	44.98	44.95	43.92	43.60	20- 30	21.36	40.44	26.4, 33.7
40	37.80	36.78	36.59	38.11	39.25	39.29	38.02	37.64	30- 40	25.67	66.11	43.1, 55.1
50	30.79	29.64	29.53	31.14	32.38	32.52	31.13	30.68	40- 50	26.65	92.76	60.5, 77.3
60	23.13	22.01	21.94	23.61	24.78	25.04	23.63	23.06	50- 60	24.36	117.1	76.4, 97.6
70	15.09	14.05	14.08	15.71	16.81	17.20	15.90	15.16	60- 70	19.27	136.4	89, 114
80	6.711	5.897	5.997	7.572	8.492	9.033	7.942	6.969	70- 80	12.04	148.4	96.8, 124
90	0.4629	0.6234	0.3254	0.6932	0.8690	1.380	0.6450	0.2227	80- 90	3.830	152.3	99.3, 127
100	0.3699	0.4300	0.1355	0.4228	0.5896	0.4787	0	0.0122	90-100	0.4272	152.7	99.6, 127
110	0.2901	0.1739	0.0000	0.2004	0.4567	0.3385	0	0	100-110	0.2460	152.9	99.8, 127
120	0.2152	0.1160	0	0.0991	0.3697	0.2659	0	0	110-120	0.1470	153.1	99.9, 128
130	0.1427	0.0676	0	0.0604	0.2875	0.1886	0	0	120-130	0.0958	153.2	99.9, 128
140	0.0629	0.0217	0	0.0241	0.1908	0.1064	0	0	130-140	0.0540	153.2	100, 128
150	0.0024	0	0	0	0.1111	0.0146	0	0	140-150	0.0233	153.3	100, 128
160	0	0	0	0	0.0265	0	0	0	150-160	0.0059	153.3	100, 128
170	0	0	0	0	0	0	0	0	160-170	0.0002	153.3	100, 128
180	0	0	0	0	0	0	0	0	170-180	0	153.3	100, 128
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

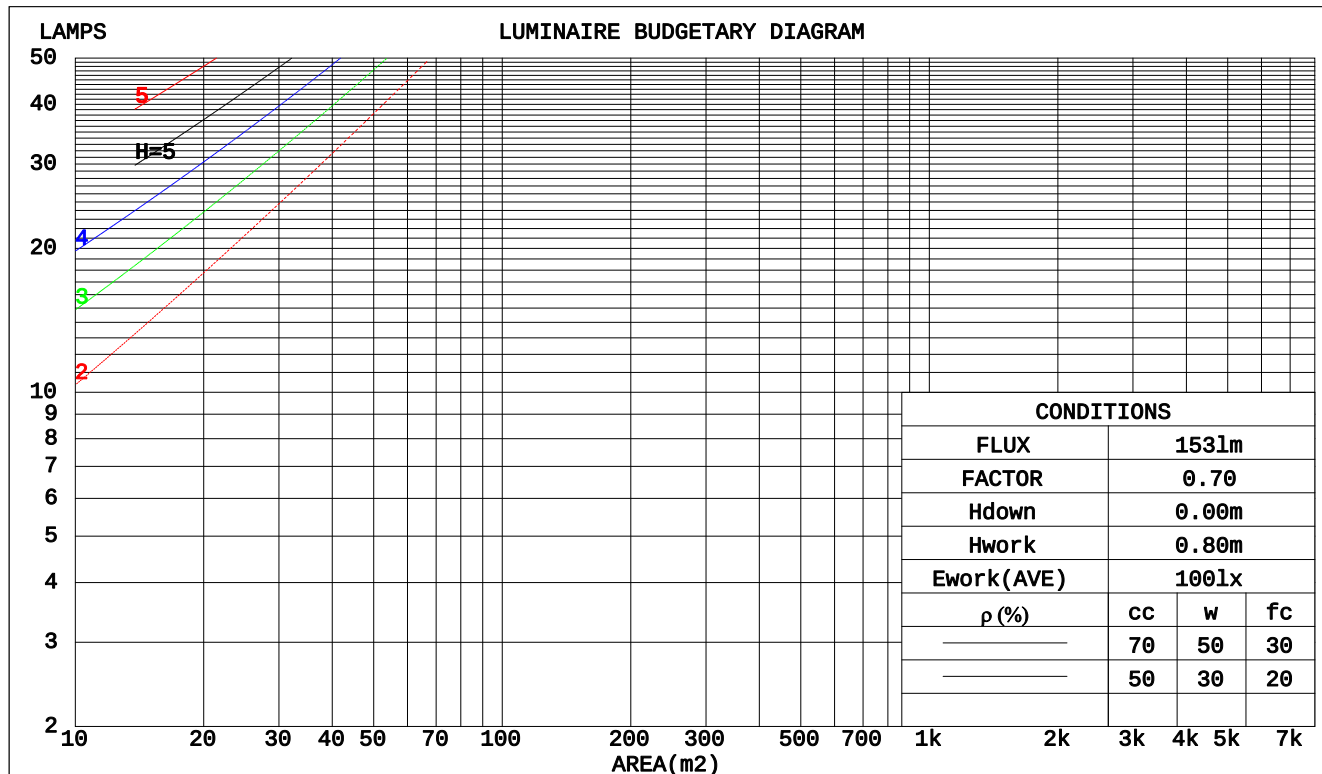
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-29

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(4000K)-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	1.52	1.52	1.52	1.48	1.48	1.48	1.41	1.41	1.41	1.35	1.35	1.35	1.30	1.30	1.30	1.27
1.0	1.32	1.26	1.21	1.29	1.24	1.19	1.23	1.19	1.15	1.18	1.14	1.11	1.13	1.10	1.08	1.05
2.0	1.14	1.05	.98	1.12	1.04	.97	1.07	1.00	.94	1.03	.97	.92	.99	.94	.90	.87
3.0	1.00	.89	.81	.98	.88	.80	.94	.86	.79	.90	.83	.77	.87	.81	.76	.73
4.0	.89	.77	.68	.87	.76	.68	.83	.74	.67	.80	.72	.66	.77	.70	.65	.62
5.0	.79	.67	.59	.77	.67	.58	.75	.65	.58	.72	.64	.57	.70	.62	.56	.53
6.0	.71	.59	.51	.70	.59	.51	.67	.58	.50	.65	.56	.50	.63	.55	.49	.47
7.0	.64	.53	.45	.63	.53	.45	.61	.52	.44	.59	.51	.44	.57	.50	.44	.41
8.0	.59	.48	.40	.58	.47	.40	.56	.46	.40	.54	.46	.39	.53	.45	.39	.37
9.0	.54	.43	.36	.53	.43	.36	.52	.42	.36	.50	.42	.36	.49	.41	.35	.33
10.0	.50	.40	.33	.49	.39	.33	.48	.39	.32	.46	.38	.32	.45	.38	.32	.30



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-29

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(4000K)-56-5050-1M-W	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 Coeffcients(WEC)										
0.0																	
1.0	.410	.233	.074	.401	.229	.073	.383	.220	.070	.367	.212	.068	.353	.204	.066		
2.0	.382	.209	.064	.374	.206	.063	.358	.199	.062	.344	.193	.060	.331	.187	.059		
3.0	.351	.187	.056	.344	.184	.055	.330	.179	.054	.318	.174	.053	.306	.169	.052		
4.0	.323	.168	.049	.317	.166	.049	.304	.161	.048	.293	.157	.047	.283	.154	.047		
5.0	.298	.152	.044	.292	.150	.044	.281	.146	.043	.271	.143	.043	.262	.140	.042		
6.0	.276	.138	.040	.270	.137	.039	.261	.134	.039	.252	.131	.038	.243	.128	.038		
7.0	.256	.127	.036	.252	.125	.036	.243	.123	.035	.235	.120	.035	.227	.118	.035		
8.0	.239	.117	.033	.235	.116	.033	.227	.113	.032	.220	.111	.032	.213	.109	.032		
9.0	.224	.108	.030	.220	.107	.030	.213	.105	.030	.206	.103	.030	.200	.102	.029		
10.0	.210	.101	.028	.207	.100	.028	.201	.098	.028	.195	.097	.027	.189	.095	.027		

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						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.250	.250	.250	.213	.213	.213	.146	.146	.146	.084	.084	.084	.027	.027	.027		
1.0	.238	.206	.177	.203	.177	.152	.139	.121	.105	.080	.070	.061	.026	.023	.020		
2.0	.228	.175	.130	.195	.151	.113	.134	.104	.079	.077	.061	.046	.025	.020	.015		
3.0	.218	.152	.100	.187	.132	.087	.128	.091	.061	.074	.053	.036	.024	.017	.012		
4.0	.208	.136	.080	.178	.117	.070	.123	.082	.049	.071	.048	.029	.023	.016	.010		
5.0	.198	.122	.066	.170	.106	.058	.117	.074	.041	.068	.043	.024	.022	.014	.008		
6.0	.189	.112	.056	.163	.097	.049	.112	.068	.035	.065	.040	.021	.021	.013	.007		
7.0	.180	.103	.049	.155	.089	.042	.107	.063	.030	.062	.037	.018	.020	.012	.006		
8.0	.172	.096	.043	.148	.083	.037	.102	.058	.027	.060	.034	.016	.019	.011	.005		
9.0	.164	.089	.039	.141	.077	.034	.098	.054	.024	.057	.032	.014	.018	.011	.005		
10.0	.157	.084	.035	.135	.073	.031	.094	.051	.022	.055	.030	.013	.018	.010	.004		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-29

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(4000K)-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	17.6	19.1	17.8	19.3	19.5	17.3	18.9	17.6	19.1	19.3	
	3H	19.2	20.6	19.5	20.9	21.1	18.9	20.3	19.2	20.6	20.8
	4H	19.9	21.2	20.2	21.5	21.8	19.5	20.9	19.9	21.2	21.4
	6H	20.4	21.7	20.7	21.9	22.2	20.0	21.3	20.3	21.6	21.9
	8H	20.5	21.8	20.9	22.1	22.4	20.1	21.4	20.5	21.6	22.0
	12H	20.6	21.8	21.0	22.1	22.4	20.2	21.3	20.5	21.7	22.0
4H	2H	18.1	19.5	18.5	19.8	20.0	18.0	19.3	18.3	19.6	19.9
	3H	20.0	21.1	20.3	21.4	21.8	19.7	20.9	20.1	21.2	21.5
	4H	20.8	21.8	21.2	22.2	22.5	20.5	21.6	20.9	21.9	22.2
	6H	21.4	22.4	21.8	22.7	23.1	21.0	22.0	21.5	22.4	22.8
	8H	21.6	22.5	22.0	22.9	23.3	21.2	22.1	21.6	22.5	22.9
	12H	21.7	22.5	22.1	22.9	23.3	21.3	22.1	21.7	22.5	22.9
8H	4H	21.0	21.9	21.4	22.3	22.7	20.8	21.7	21.2	22.0	22.4
	6H	21.8	22.5	22.2	22.9	23.4	21.5	22.2	21.9	22.6	23.1
	8H	22.1	22.7	22.5	23.2	23.6	21.7	22.4	22.2	22.8	23.3
	12H	22.2	22.8	22.7	23.3	23.7	21.8	22.4	22.3	22.9	23.3
12H	4H	21.0	21.8	21.5	22.2	22.7	20.8	21.6	21.2	22.0	22.4
	6H	21.8	22.5	22.3	22.9	23.4	21.5	22.2	22.0	22.6	23.1
	8H	22.1	22.7	22.6	23.2	23.7	21.8	22.4	22.3	22.8	23.3
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:2018-08-29

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(4000K) -56-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

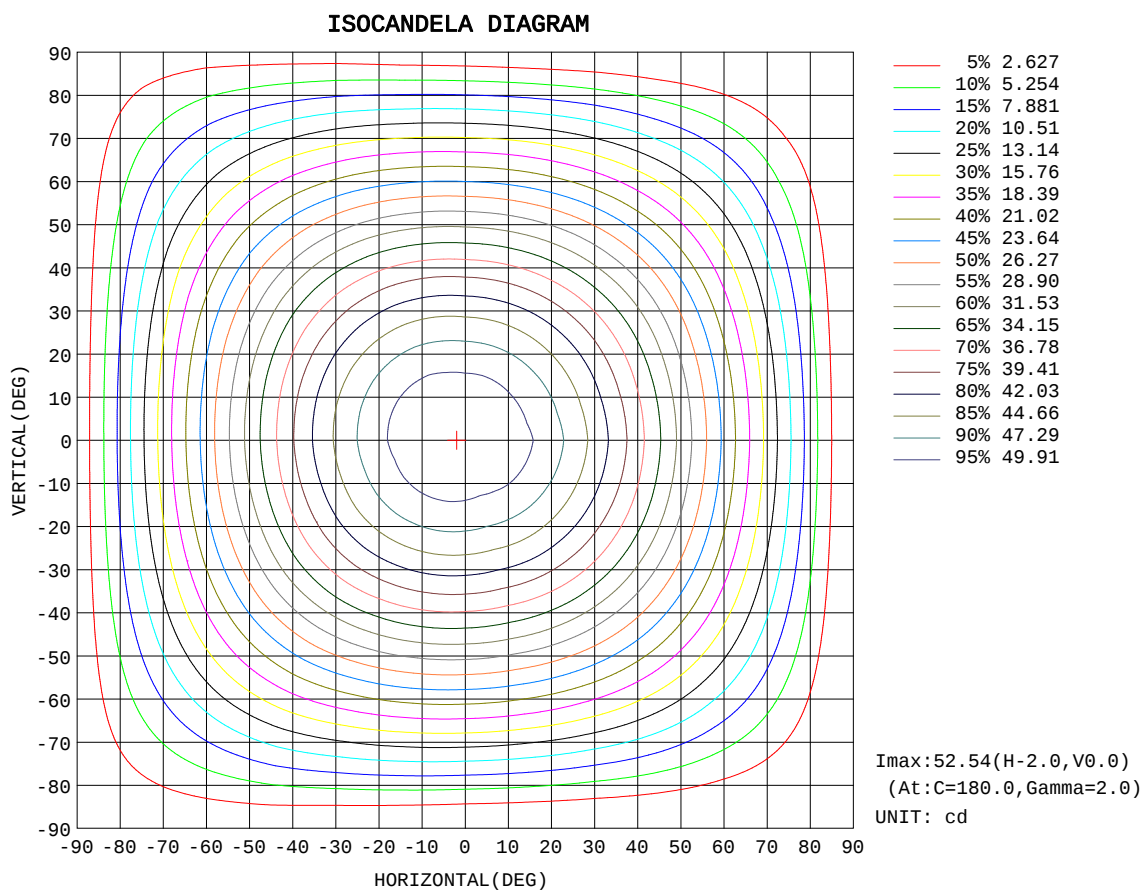
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	72	57	48	71	57	48	70	57	48	40
0.80	85	70	61	84	69	60	81	68	60	51
1.00	96	81	72	94	80	71	91	82	71	61
1.25	105	91	82	103	90	81	99	88	80	71
1.50	111	98	89	109	97	88	105	95	87	77
2.00	120	109	100	118	107	99	113	104	97	87
2.50	125	115	107	122	113	106	117	110	103	92
3.00	129	120	113	127	118	112	121	114	109	98
4.00	135	127	121	132	125	119	126	120	116	104
5.00	138	131	126	135	129	124	129	124	120	108
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:2018-08-29

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(4000K)-56-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.:11.5*1000mm	

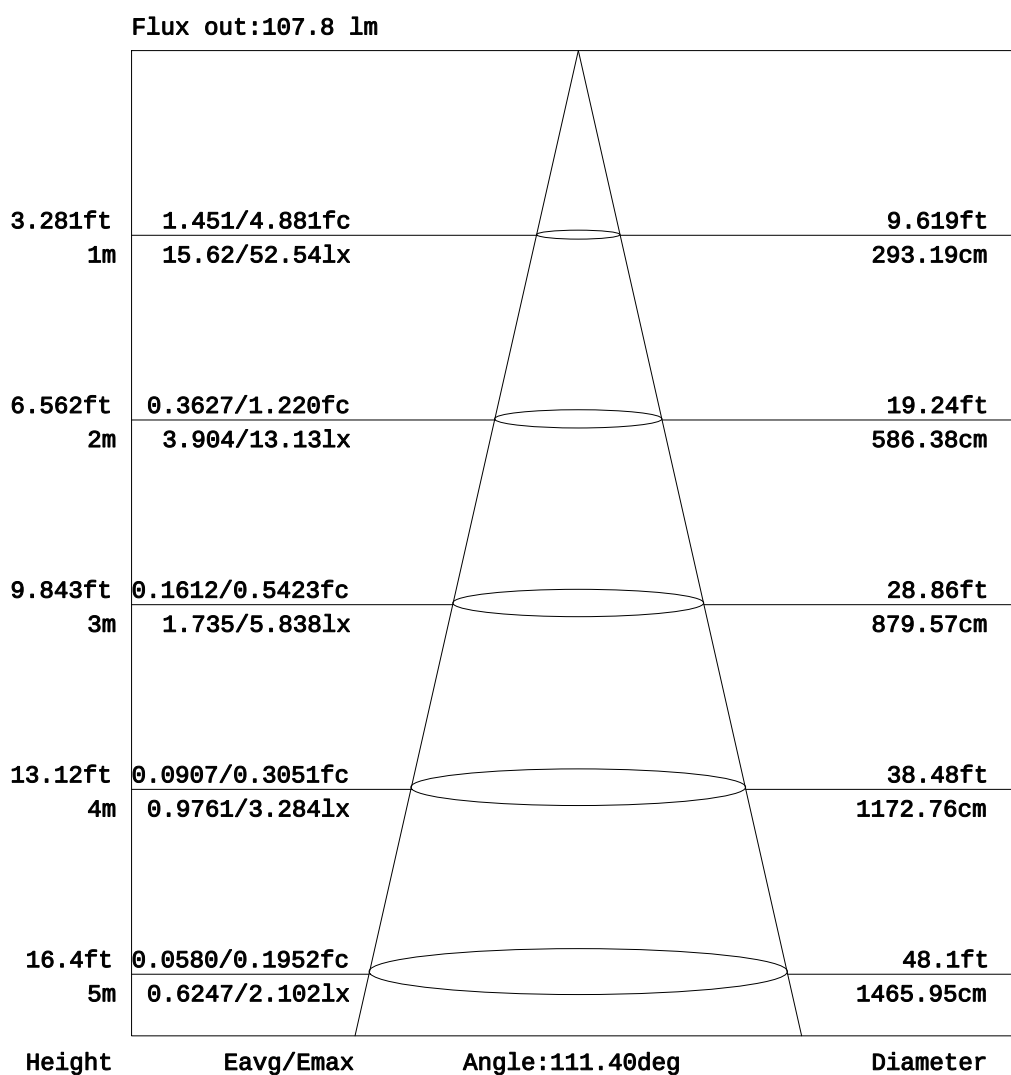


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-29

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(4000K)-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:



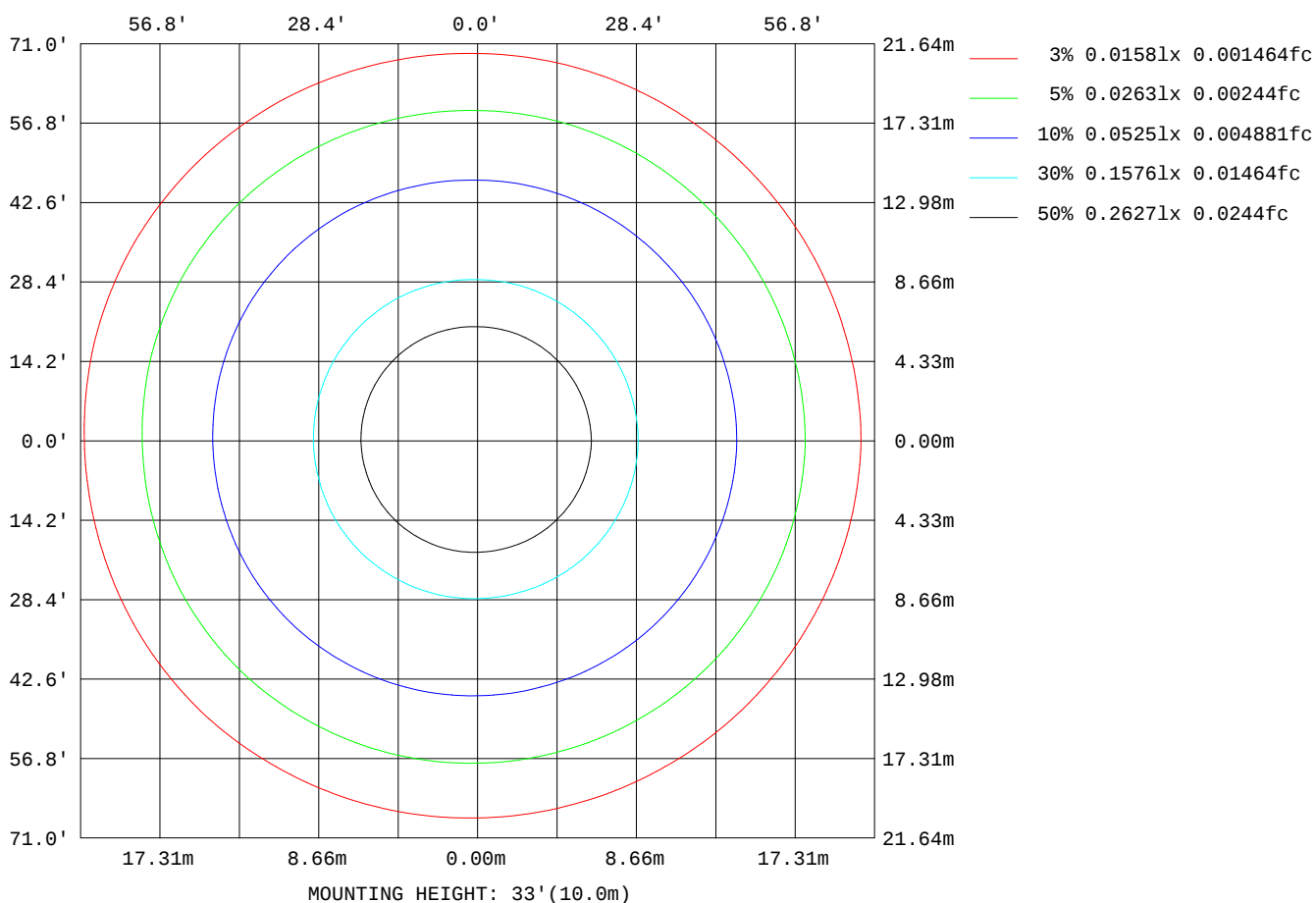
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-29

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(4000K)-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:2018-08-29

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(4000K)-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	4095	4055	4014	3972	3938	3911	3890	3876	3882	3909	3949	3999	4057	4126	4188	4238	4272	4306	4344
60	4022	3973	3926	3882	3844	3813	3790	3780	3788	3816	3862	3919	3985	4067	4139	4192	4231	4268	4309
65	3940	3885	3827	3772	3735	3702	3675	3670	3682	3713	3769	3835	3911	4009	4092	4150	4194	4237	4286
70	3836	3763	3692	3630	3589	3554	3525	3521	3538	3579	3646	3728	3821	3938	4035	4102	4154	4208	4274
75	3682	3582	3490	3411	3372	3331	3291	3295	3324	3376	3465	3569	3686	3847	3971	4044	4111	4182	4268
80	3360	3235	3115	3014	2970	2919	2865	2885	2932	3003	3134	3283	3449	3684	3855	3946	4041	4137	4253
85	2554	2400	2239	2098	2075	2030	1958	1979	2032	2126	2338	2592	2884	3309	3621	3782	3928	4067	4255

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	4344	200	---	500
Category 2	65 to 90	4286	200	---	500
Category 3	75 to 90	4268	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:2018-08-29

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(4000K) -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	52.5	52.5	52.4	52.4	52.2	52.1	52.1	52.2	52.3	52.2	52.2	52.2	52.5	52.5	52.4	52.4	52.2	52.1	52.1
5	52.3	52.2	52.1	52.1	51.9	51.8	51.9	52.1	52.1	52.1	52.2	52.2	52.5	52.4	52.4	52.3	52.2	52.0	52.0
10	51.4	51.3	51.1	51.1	50.9	50.8	51.0	51.1	51.3	51.4	51.5	51.5	51.8	51.8	51.8	51.7	51.6	51.4	51.2
15	50.4	50.3	50.1	50.0	49.8	49.7	49.9	50.1	50.3	50.5	50.6	50.7	51.0	51.0	51.0	50.9	50.8	50.5	50.4
20	48.4	48.2	48.0	47.9	47.7	47.5	47.7	48.0	48.3	48.6	48.8	48.9	49.3	49.3	49.3	49.2	49.0	48.7	48.4
25	46.8	46.5	46.3	46.1	45.9	45.7	45.9	46.3	46.6	47.0	47.2	47.4	47.7	47.8	47.8	47.7	47.5	47.1	46.8
30	43.8	43.5	43.2	43.0	42.8	42.6	42.8	43.2	43.6	44.0	44.4	44.6	45.0	45.1	45.1	45.0	44.7	44.3	43.9
35	41.6	41.3	40.9	40.6	40.4	40.2	40.5	40.8	41.3	41.8	42.2	42.5	42.8	43.0	43.0	42.8	42.6	42.1	41.7
40	37.8	37.5	37.1	36.8	36.5	36.4	36.6	37.0	37.5	38.1	38.6	38.9	39.2	39.4	39.4	39.3	39.0	38.5	38.0
45	35.1	34.7	34.3	34.0	33.8	33.6	33.9	34.3	34.8	35.4	35.9	36.2	36.6	36.8	36.8	36.7	36.3	35.8	35.4
50	30.8	30.4	30.0	29.6	29.4	29.3	29.5	29.9	30.5	31.1	31.7	32.0	32.4	32.6	32.7	32.5	32.1	31.6	31.1
55	27.8	27.4	27.0	26.6	26.4	26.3	26.5	27.0	27.5	28.2	28.7	29.0	29.4	29.7	29.8	29.6	29.2	28.6	28.2
60	23.1	22.7	22.3	22.0	21.8	21.7	21.9	22.4	22.9	23.6	24.1	24.4	24.8	25.2	25.3	25.0	24.6	24.1	23.6
65	19.9	19.6	19.1	18.9	18.7	18.6	18.8	19.3	19.8	20.5	21.0	21.3	21.6	22.1	22.2	21.9	21.5	21.0	20.6
70	15.1	14.7	14.3	14.1	13.9	13.9	14.1	14.5	15.0	15.7	16.1	16.4	16.8	17.3	17.4	17.2	16.8	16.3	15.9
75	11.8	11.4	11.0	10.8	10.6	10.7	10.9	11.3	11.8	12.5	12.9	13.2	13.5	14.0	14.1	13.9	13.6	13.1	12.7
80	6.71	6.34	6.02	5.90	5.72	5.81	6.00	6.41	6.89	7.57	7.88	8.17	8.49	9.04	9.19	9.03	8.76	8.26	7.94
85	3.37	3.09	2.83	2.75	2.63	2.70	2.86	3.22	3.67	4.31	4.61	4.84	5.08	5.68	5.88	5.74	5.49	5.03	4.73
90	0.46	0.56	0.61	0.62	0.51	0.40	0.33	0.34	0.46	0.69	0.75	0.76	0.87	1.36	1.49	1.38	1.11	0.78	0.65
95	0.42	0.48	0.53	0.54	0.44	0.32	0.24	0.25	0.36	0.55	0.61	0.58	0.67	0.93	0.85	0.61	0.32	0.06	0.06
100	0.37	0.39	0.40	0.43	0.33	0.21	0.14	0.15	0.26	0.42	0.47	0.47	0.59	0.84	0.73	0.48	0.21	0.00	0.00
105	0.34	0.35	0.30	0.34	0.25	0.14	0.07	0.07	0.18	0.36	0.39	0.45	0.54	0.80	0.67	0.41	0.17	0.00	0.00
110	0.29	0.31	0.25	0.17	0.10	0.03	0.00	0.00	0.06	0.20	0.30	0.39	0.46	0.69	0.59	0.34	0.09	0.00	0.00
115	0.26	0.28	0.23	0.14	0.00	0.00	0.00	0.00	0.00	0.12	0.27	0.36	0.42	0.61	0.54	0.30	0.07	0.00	0.00
120	0.22	0.23	0.19	0.12	0.00	0.00	0.00	0.00	0.00	0.10	0.24	0.32	0.37	0.48	0.45	0.27	0.03	0.00	0.00
125	0.18	0.20	0.16	0.10	0.00	0.00	0.00	0.00	0.00	0.09	0.22	0.30	0.33	0.41	0.41	0.24	0.01	0.00	0.00
130	0.14	0.15	0.12	0.07	0.00	0.00	0.00	0.00	0.00	0.06	0.18	0.26	0.29	0.33	0.32	0.19	0.00	0.00	0.00
135	0.11	0.12	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.05	0.15	0.22	0.26	0.28	0.27	0.16	0.00	0.00	0.00
140	0.06	0.07	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.02	0.11	0.17	0.19	0.21	0.19	0.11	0.00	0.00	0.00
145	0.03	0.04	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.09	0.16	0.16	0.17	0.16	0.07	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	0.07	0.12	0.11	0.11	0.10	0.01	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	0.04	0.09	0.07	0.07	0.05	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	0.04	0.03	0.02	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:2018-08-29

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(4000K)-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	52.2	52.3	52.2	52.2	52.2														
5	52.1	52.1	52.0	52.0	52.0														
10	51.3	51.2	51.2	51.1	51.1														
15	50.4	50.3	50.2	50.1	50.2														
20	48.4	48.3	48.2	48.2	48.2														
25	46.7	46.6	46.5	46.5	46.5														
30	43.8	43.7	43.6	43.6	43.6														
35	41.6	41.5	41.4	41.3	41.3														
40	37.9	37.7	37.6	37.6	37.6														
45	35.2	35.0	34.9	34.9	34.9														
50	31.0	30.8	30.7	30.7	30.7														
55	28.0	27.9	27.7	27.7	27.7														
60	23.4	23.2	23.1	23.0	23.0														
65	20.4	20.1	19.9	19.9	19.8														
70	15.7	15.4	15.2	15.0	15.0														
75	12.5	12.2	11.9	11.7	11.6														
80	7.66	7.38	6.97	6.74	6.48														
85	4.45	4.14	3.74	3.47	3.19														
90	0.51	0.36	0.22	0.16	0.11														
95	0.08	0.10	0.10	0.07	0.04														
100	0.00	0.00	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	0.00														
115	0.00	0.00	0.00	0.00	0.00														
120	0.00	0.00	0.00	0.00	0.00														
125	0.00	0.00	0.00	0.00	0.00														
130	0.00	0.00	0.00	0.00	0.00														
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:2018-08-29

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: