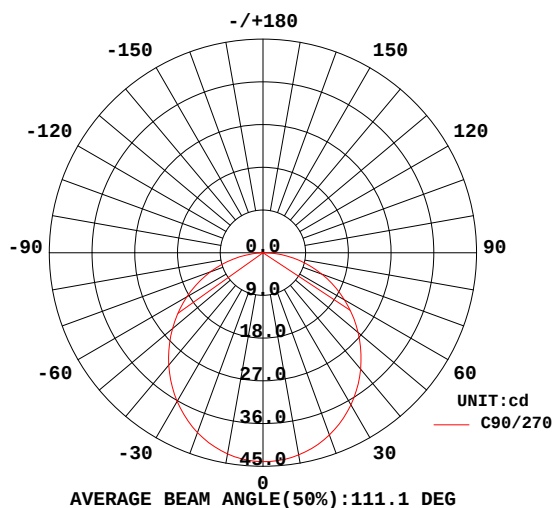


LUMINAIRE PHOTOMETRIC TEST REPORT

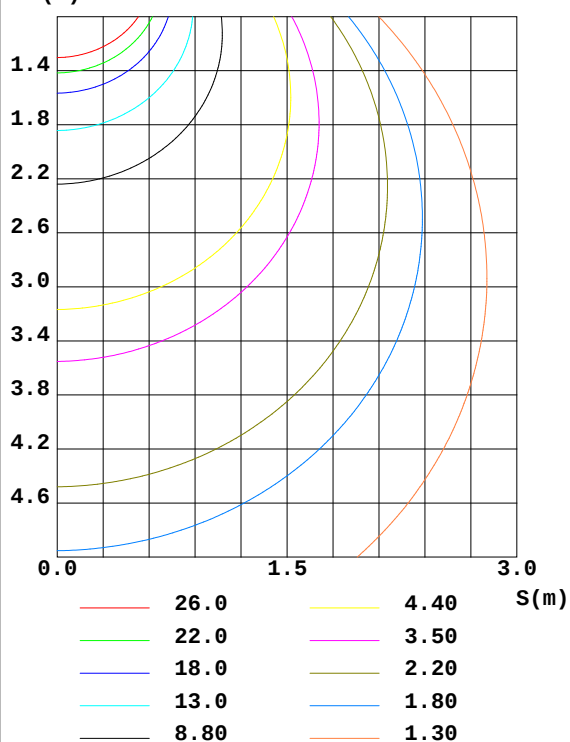
NAME: C-SFR-F15S-HB-D24CC-RGBW(2700K)-56-5050-1M-RGB	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.:11.5*1000mm PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 20.37 lm/W			
MODEL	5050	I _{max} (cd)	44.19	S/MH(C0/180)	1.24
NOMINAL POWER(W)	6.3	LOR(%)	100.2	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	128.36	η UP, DN(C0-180)	0.2, 48.9
NOMINAL FLUX(lm)	128.14	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.1, 51.0
LAMPS INSIDE	1	η up(%)	0.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.9	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	43.18	43.06	43.03	43.43	43.53	43.55	43.25	43.28	0- 10	4.172	4.172	3.25, 3.26
20	40.71	40.39	40.33	41.05	41.35	41.36	40.86	40.78	10- 20	11.93	16.10	12.5, 12.6
30	36.82	36.27	36.17	37.18	37.73	37.72	37.04	36.93	20- 30	18.01	34.11	26.6, 26.6
40	31.74	31.05	30.90	32.13	32.88	32.88	31.99	31.91	30- 40	21.65	55.76	43.4, 43.5
50	25.80	25.02	24.90	26.22	27.12	27.10	26.14	26.03	40- 50	22.44	78.20	60.9, 61
60	19.33	18.57	18.46	19.82	20.69	20.74	19.80	19.57	50- 60	20.47	98.67	76.9, 77
70	12.59	11.87	11.81	13.12	13.93	14.05	13.23	12.83	60- 70	16.15	114.8	89.5, 89.6
80	5.488	5.050	5.017	6.258	6.925	7.148	6.533	5.940	70- 80	10.02	124.8	97.3, 97.4
90	0.2622	0.4731	0.1403	0.4538	0.5049	0.7330	0.4247	0.1685	80- 90	3.108	128.0	99.7, 99.9
100	0.1932	0.3208	0.0001	0.2419	0.2719	0.0844	0	0	90-100	0.2212	128.2	99.9, 100
110	0.1279	0.1304	0	0.0760	0.1957	0.0082	0	0	100-110	0.1101	128.3	99.9, 100
120	0.0762	0.0435	0	0	0.1196	0	0	0	110-120	0.0520	128.3	100, 100
130	0.0082	0.0136	0	0	0.0543	0	0	0	120-130	0.0233	128.4	100, 100
140	0	0	0	0	0.0027	0	0	0	130-140	0.0043	128.4	100, 100
150	0	0	0	0	0	0	0	0	140-150	0.0000	128.4	100, 100
160	0	0	0	0	0	0	0	0	150-160	0	128.4	100, 100
170	0	0	0	0	0	0	0	0	160-170	0	128.4	100, 100
180	0	0	0	0	0	0	0	0	170-180	0	128.4	100, 100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

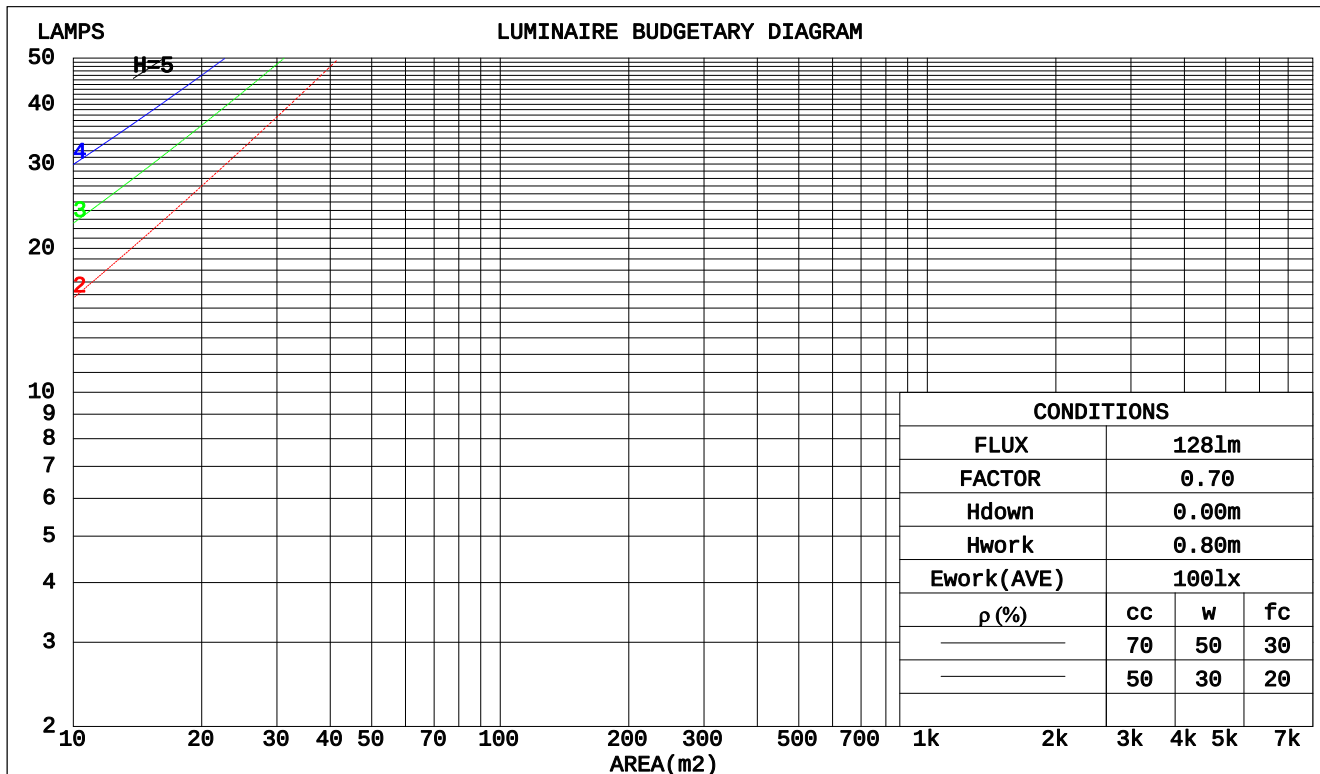
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-29

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(2700K)-56-5050-1M-RGB	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	1.19	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	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.88	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.57
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.56	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.50	.44	.39	.37
7.0	.51	.42	.35	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.32	.44	.37	.31	.43	.36	.31	.42	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.37	.30	.25	.36	.30	.25	.24



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(2700K)-56-5050-1M-RGB	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 Coeffcients(WEC)										
0.0																	
1.0	.321	.182	.058	.313	.179	.057	.300	.172	.055	.287	.166	.053	.276	.160	.052		
2.0	.299	.164	.050	.293	.161	.050	.281	.156	.048	.270	.151	.047	.259	.147	.046		
3.0	.275	.146	.044	.270	.144	.043	.259	.140	.043	.249	.137	.042	.240	.133	.041		
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.230	.124	.037	.222	.121	.037		
5.0	.233	.119	.034	.229	.118	.034	.221	.115	.034	.213	.112	.033	.206	.110	.033		
6.0	.216	.108	.031	.212	.107	.031	.205	.105	.031	.198	.103	.030	.191	.101	.030		
7.0	.201	.099	.028	.197	.098	.028	.191	.096	.028	.184	.095	.028	.179	.093	.027		
8.0	.187	.091	.026	.184	.091	.026	.178	.089	.025	.173	.087	.025	.167	.086	.025		
9.0	.175	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.153	.076	.022	.149	.075	.021		

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	.193	.193	.193	.165	.165	.165	.113	.113	.113	.065	.065	.065	.021	.021	.021	
1.0	.184	.159	.136	.157	.136	.117	.108	.094	.081	.062	.054	.047	.020	.017	.015	
2.0	.176	.135	.100	.151	.116	.086	.103	.080	.060	.060	.047	.035	.019	.015	.011	
3.0	.168	.117	.076	.144	.101	.066	.099	.070	.046	.057	.041	.027	.018	.013	.009	
4.0	.160	.104	.060	.138	.090	.052	.095	.062	.037	.055	.037	.022	.018	.012	.007	
5.0	.153	.093	.049	.131	.081	.043	.090	.056	.030	.052	.033	.018	.017	.011	.006	
6.0	.146	.085	.041	.125	.074	.036	.086	.052	.026	.050	.030	.015	.016	.010	.005	
7.0	.139	.078	.036	.119	.068	.031	.082	.047	.022	.048	.028	.013	.015	.009	.004	
8.0	.132	.072	.031	.114	.063	.027	.079	.044	.019	.046	.026	.011	.015	.009	.004	
9.0	.126	.067	.028	.109	.058	.024	.075	.041	.017	.044	.024	.010	.014	.008	.003	
10.0	.120	.063	.025	.104	.055	.022	.072	.039	.015	.042	.023	.009	.014	.007	.003	

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(2700K) -56-5050-1M-RGB						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	17.0	18.5	17.3	18.7	18.9	16.8	18.3	17.0	18.5	18.7	
3H	18.6	20.0	18.9	20.3	20.5	18.3	19.8	18.6	20.0	20.2	
4H	19.3	20.6	19.6	20.9	21.1	19.0	20.3	19.3	20.6	20.9	
6H	19.8	21.0	20.1	21.3	21.6	19.4	20.7	19.8	21.0	21.3	
8H	19.9	21.1	20.3	21.4	21.7	19.6	20.8	19.9	21.1	21.4	
12H	20.0	21.2	20.3	21.5	21.8	19.6	20.8	19.9	21.1	21.4	
4H 2H	17.6	18.9	17.9	19.2	19.4	17.4	18.8	17.7	19.0	19.3	
3H	19.4	20.6	19.7	20.9	21.2	19.2	20.3	19.5	20.6	21.0	
4H	20.2	21.3	20.6	21.6	21.9	19.9	21.0	20.3	21.3	21.7	
6H	20.8	21.8	21.2	22.1	22.5	20.5	21.5	20.9	21.8	22.2	
8H	21.0	21.9	21.4	22.3	22.7	20.7	21.6	21.1	21.9	22.3	
12H	21.1	21.9	21.5	22.3	22.7	20.7	21.6	21.2	22.0	22.4	
8H 4H	20.4	21.3	20.8	21.7	22.1	20.2	21.1	20.6	21.5	21.9	
6H	21.2	21.9	21.6	22.4	22.8	20.9	21.7	21.4	22.1	22.5	
8H	21.5	22.1	21.9	22.6	23.0	21.2	21.8	21.6	22.3	22.7	
12H	21.6	22.2	22.1	22.6	23.1	21.3	21.9	21.8	22.3	22.8	
12H 4H	20.4	21.3	20.9	21.7	22.1	20.2	21.0	20.7	21.4	21.9	
6H	21.2	21.9	21.7	22.3	22.8	21.0	21.6	21.4	22.1	22.5	
8H	21.5	22.1	22.0	22.6	23.1	21.2	21.8	21.7	22.3	22.8	
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 128.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.1)

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(2700K) -56-5050-1M-RGB	WEIGHT: 0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

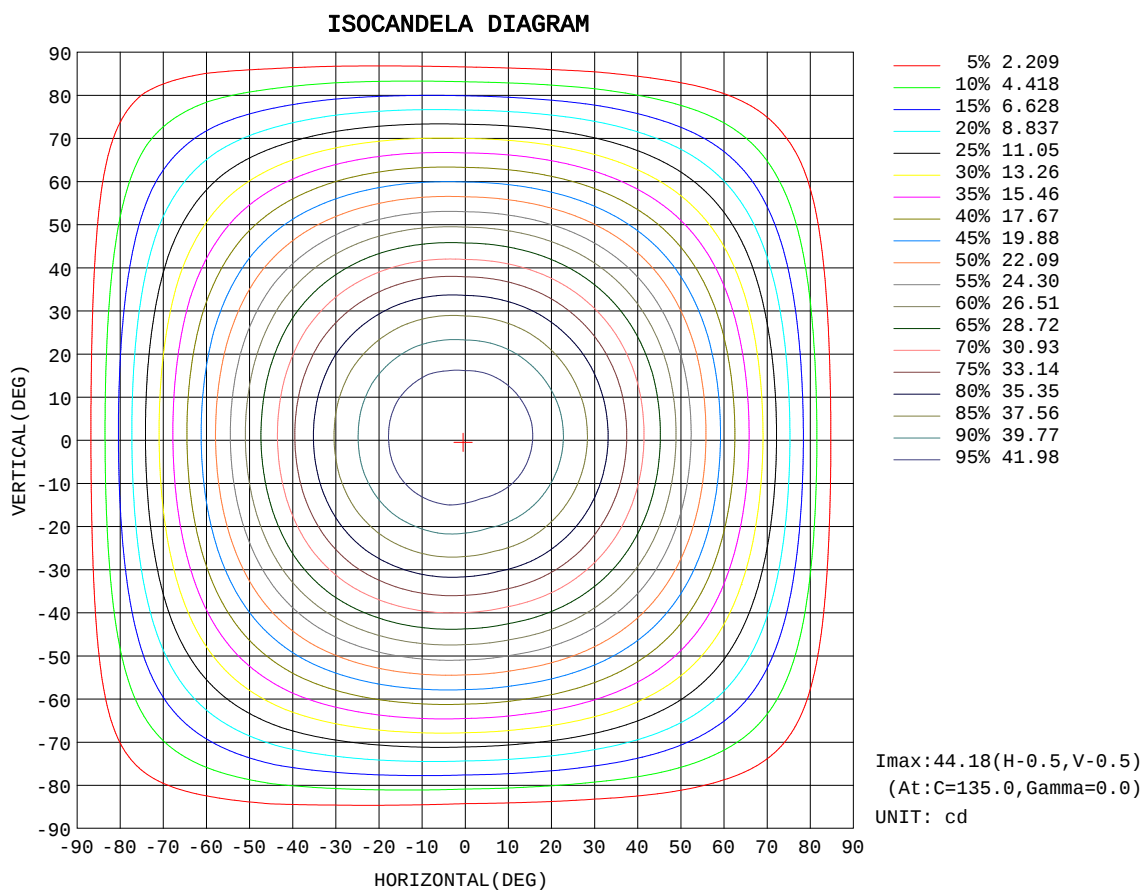
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	57	45	38	56	45	38	55	45	38	31
0.80	67	55	48	66	55	48	64	54	47	40
1.00	75	64	57	74	63	56	72	65	56	48
1.25	82	72	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	70	83	75	68	61
2.00	94	86	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	98	101	98	94	85
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(2700K)-56-5050-1M-RGB	WEIGHT: 0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.: 11.5*1000mm	

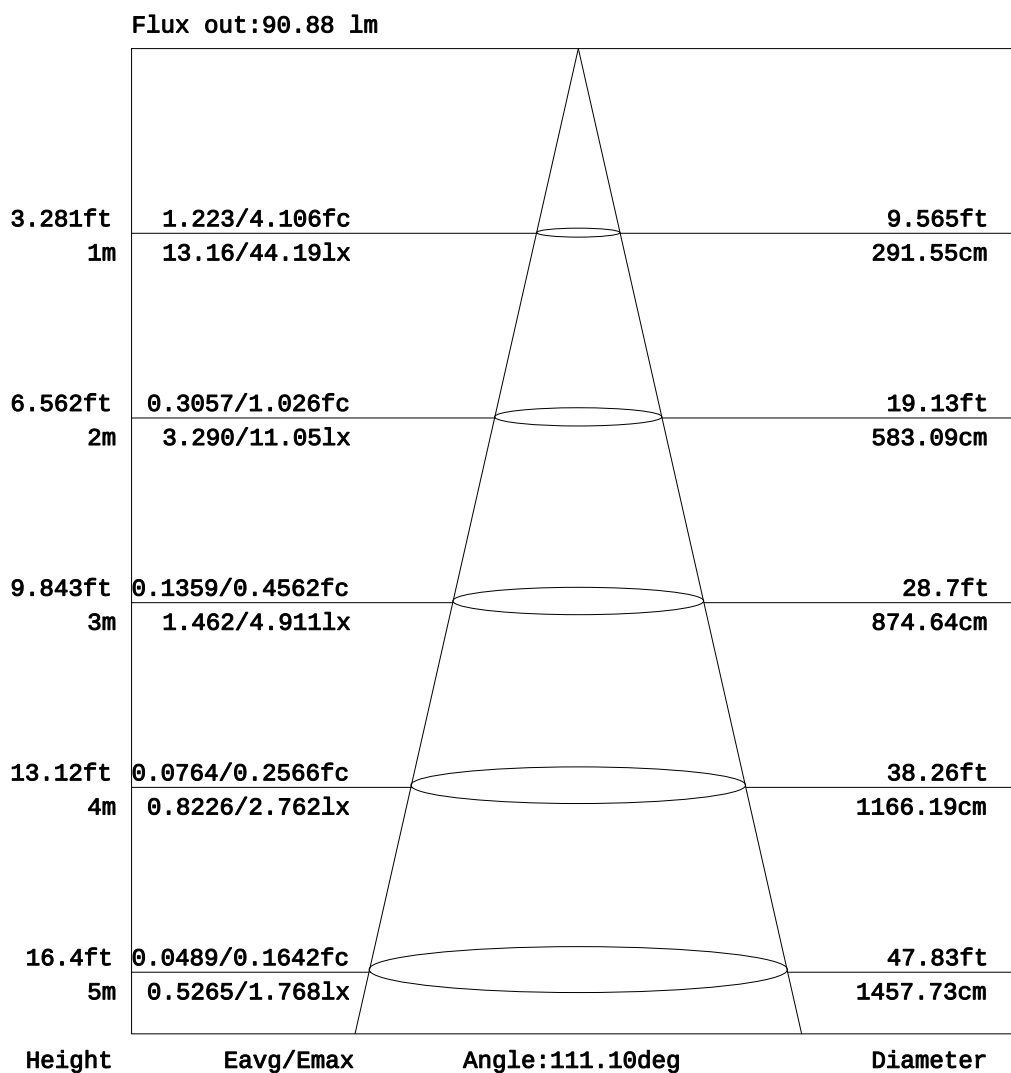


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-29

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_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-RGB	5050-1M-RGB	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:11.5*1000mm	PROTECTION ANGLE:



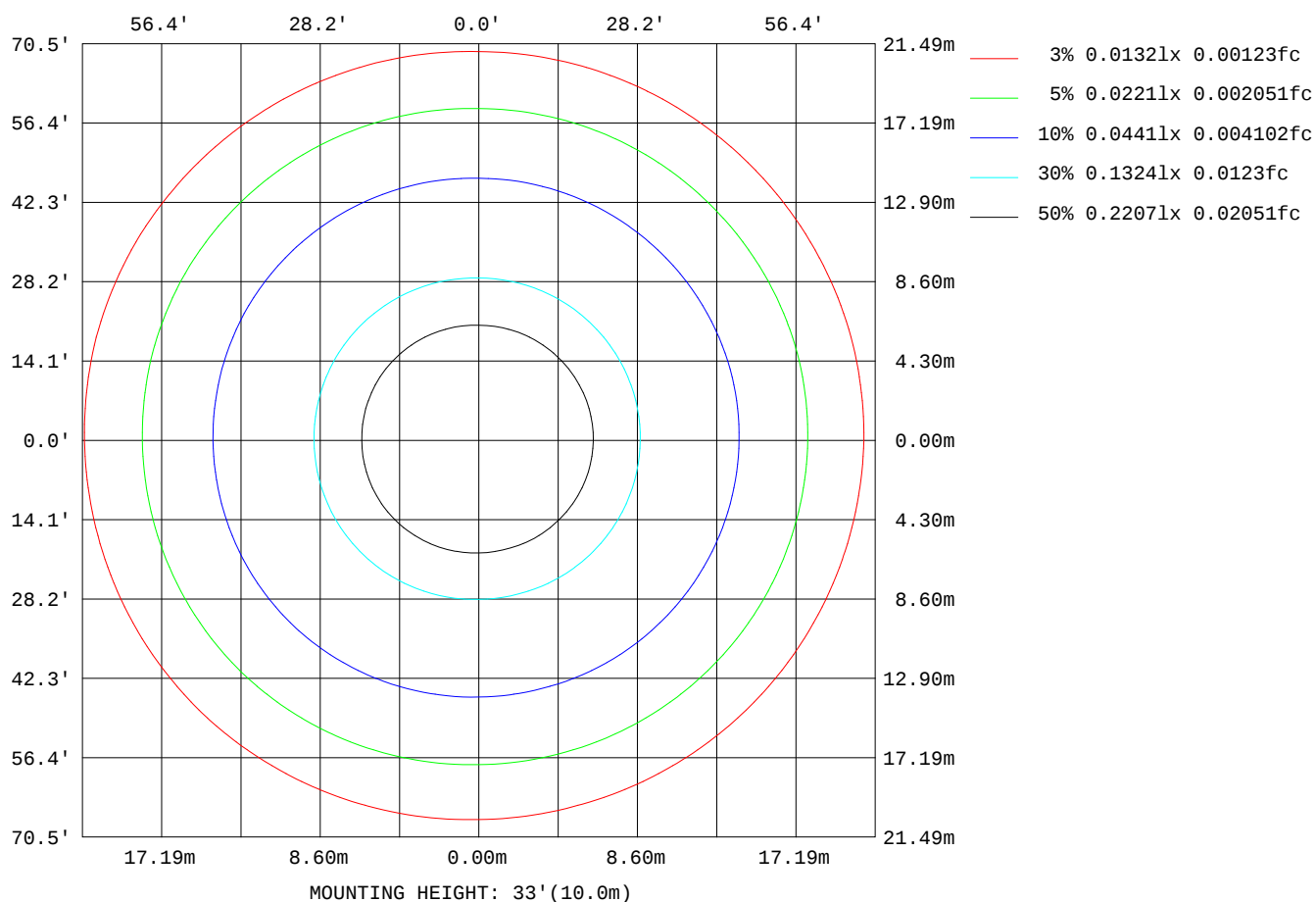
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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(2700K)-56-5050-1M-RGB	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(2700K)-56-5050-1M-RGB	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	128.14	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	3428	3402	3376	3348	3323	3302	3287	3272	3273	3292	3328	3372	3420	3472	3517	3553	3583	3609	3632
60	3362	3329	3298	3269	3242	3219	3202	3189	3191	3210	3249	3300	3358	3418	3470	3510	3542	3571	3598
65	3294	3251	3212	3178	3152	3128	3107	3093	3095	3118	3166	3225	3290	3362	3422	3465	3501	3535	3571
70	3200	3144	3099	3064	3033	3005	2984	2971	2975	3002	3058	3129	3208	3295	3366	3417	3457	3496	3542
75	3036	2982	2929	2880	2852	2824	2795	2788	2796	2827	2902	2993	3091	3207	3295	3351	3406	3458	3511
80	2748	2689	2624	2563	2540	2503	2455	2457	2474	2512	2630	2758	2886	3057	3177	3240	3317	3389	3468
85	2026	1967	1887	1807	1794	1757	1695	1692	1701	1746	1934	2159	2397	2701	2911	3014	3146	3254	3374

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	3632	200	---	500
Category 2	65 to 90	3571	200	---	500
Category 3	75 to 90	3511	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(2700K) -56-5050-1M-RGB	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	44.1	44.2	44.2	44.1	44.1	44.0	44.0	44.1	44.2	44.2	44.2	44.2	44.1	44.2	44.2	44.1	44.1	44.0	44.0
5	43.9	43.9	43.9	43.9	43.8	43.7	43.8	44.0	44.0	44.1	44.1	44.1	44.1	44.1	44.1	44.1	44.0	43.9	43.9
10	43.2	43.1	43.1	43.1	43.0	42.9	43.0	43.2	43.3	43.4	43.5	43.5	43.5	43.5	43.6	43.6	43.6	43.5	43.3
15	42.4	42.3	42.2	42.2	42.1	42.0	42.1	42.4	42.5	42.7	42.8	42.8	42.9	42.9	42.9	42.9	42.8	42.6	42.5
20	40.7	40.6	40.5	40.4	40.3	40.2	40.3	40.6	40.8	41.1	41.2	41.3	41.4	41.4	41.4	41.4	41.3	41.0	40.9
25	39.3	39.2	39.0	38.9	38.8	38.6	38.8	39.1	39.4	39.7	39.9	40.0	40.1	40.1	40.2	40.1	39.9	39.7	39.5
30	36.8	36.7	36.5	36.3	36.2	36.0	36.2	36.5	36.8	37.2	37.5	37.6	37.7	37.8	37.9	37.7	37.6	37.3	37.0
35	34.9	34.7	34.5	34.3	34.2	34.0	34.2	34.5	34.9	35.3	35.6	35.8	35.9	36.0	36.1	35.9	35.7	35.5	35.1
40	31.7	31.5	31.3	31.1	30.9	30.7	30.9	31.3	31.7	32.1	32.5	32.7	32.9	33.0	33.1	32.9	32.6	32.4	32.0
45	29.5	29.2	29.0	28.7	28.6	28.4	28.6	28.9	29.4	29.9	30.2	30.5	30.7	30.8	30.9	30.7	30.4	30.1	29.7
50	25.8	25.5	25.3	25.0	24.9	24.7	24.9	25.3	25.7	26.2	26.6	26.9	27.1	27.3	27.3	27.1	26.8	26.5	26.1
55	23.3	23.0	22.7	22.5	22.3	22.2	22.4	22.7	23.2	23.7	24.1	24.4	24.6	24.8	24.8	24.6	24.4	24.0	23.7
60	19.3	19.1	18.8	18.6	18.4	18.3	18.5	18.8	19.3	19.8	20.2	20.5	20.7	20.9	20.9	20.7	20.5	20.2	19.8
65	16.7	16.4	16.1	15.9	15.8	15.7	15.8	16.2	16.7	17.2	17.5	17.8	18.0	18.3	18.3	18.1	17.8	17.5	17.2
70	12.6	12.3	12.1	11.9	11.7	11.7	11.8	12.2	12.6	13.1	13.4	13.7	13.9	14.3	14.3	14.0	13.8	13.5	13.2
75	9.75	9.50	9.26	9.13	9.01	8.99	9.09	9.46	9.88	10.4	10.7	10.9	11.1	11.5	11.5	11.3	11.1	10.8	10.5
80	5.49	5.31	5.12	5.05	4.90	4.93	5.02	5.39	5.76	6.26	6.47	6.70	6.92	7.30	7.32	7.15	7.03	6.78	6.53
85	2.71	2.59	2.44	2.38	2.28	2.30	2.37	2.69	3.07	3.52	3.71	3.90	4.07	4.51	4.56	4.40	4.31	4.09	3.84
90	0.26	0.39	0.48	0.47	0.38	0.24	0.14	0.19	0.33	0.45	0.44	0.43	0.50	0.87	0.86	0.73	0.68	0.57	0.42
95	0.24	0.34	0.42	0.41	0.31	0.17	0.06	0.10	0.22	0.33	0.32	0.29	0.32	0.51	0.34	0.13	0.01	0.00	0.00
100	0.19	0.26	0.33	0.32	0.22	0.08	0.00	0.03	0.13	0.24	0.23	0.21	0.27	0.43	0.29	0.08	0.00	0.00	0.00
105	0.17	0.25	0.25	0.26	0.17	0.03	0.00	0.00	0.08	0.17	0.17	0.19	0.24	0.39	0.24	0.05	0.00	0.00	0.00
110	0.13	0.20	0.20	0.13	0.07	0.00	0.00	0.00	0.00	0.08	0.07	0.15	0.20	0.30	0.18	0.01	0.00	0.00	0.00
115	0.10	0.18	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.12	0.17	0.25	0.15	0.00	0.00	0.00	0.00
120	0.08	0.13	0.14	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.08	0.12	0.17	0.12	0.00	0.00	0.00	0.00
125	0.04	0.10	0.11	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.07	0.09	0.13	0.09	0.00	0.00	0.00	0.00
130	0.01	0.06	0.07	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.05	0.07	0.04	0.00	0.00	0.00	0.00
135	0.00	0.02	0.03	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.03	0.03	0.01	0.00	0.00	0.00	0.00
140	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
145	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
150	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
155	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
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:2018-08-29

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(2700K) -56-5050-1M-RGB	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	44.1	44.2	44.2	44.2	44.2														
5	44.0	44.0	44.0	44.0	44.0														
10	43.3	43.3	43.3	43.2	43.3														
15	42.5	42.5	42.5	42.5	42.5														
20	40.9	40.8	40.8	40.8	40.8														
25	39.5	39.5	39.4	39.4	39.4														
30	37.0	37.0	36.9	36.9	36.9														
35	35.1	35.1	35.0	35.0	35.0														
40	32.0	32.0	31.9	31.9	31.9														
45	29.7	29.7	29.6	29.7	29.6														
50	26.1	26.1	26.0	26.0	26.0														
55	23.6	23.6	23.5	23.5	23.5														
60	19.7	19.6	19.6	19.6	19.6														
65	17.1	17.0	16.9	16.9	16.9														
70	13.1	13.0	12.8	12.8	12.7														
75	10.4	10.3	10.1	9.95	9.83														
80	6.36	6.21	5.94	5.75	5.51														
85	3.68	3.53	3.24	2.98	2.71														
90	0.37	0.31	0.17	0.06	0.01														
95	0.00	0.04	0.03	0.00	0.00														
100	0.00	0.00	0.00	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: