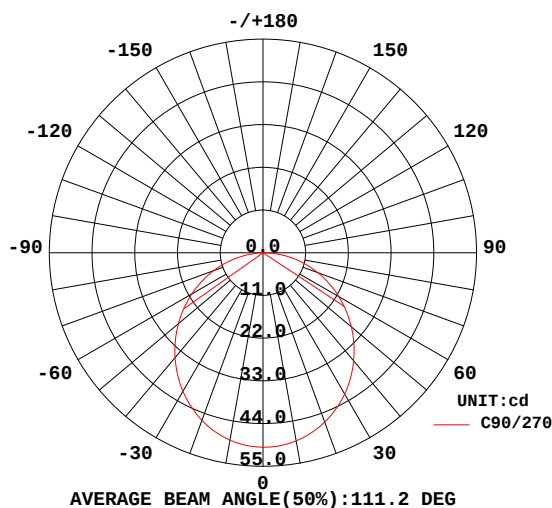


LUMINAIRE PHOTOMETRIC TEST REPORT

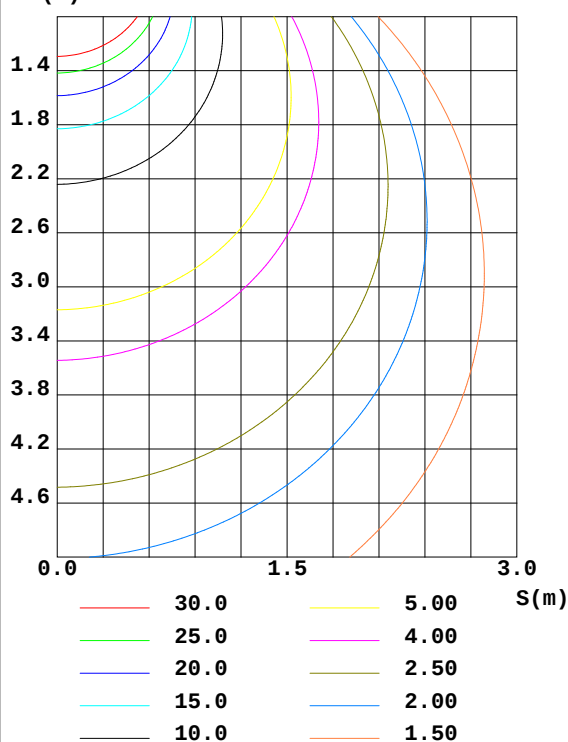
NAME: C-SFR-F15S-HB-D24CC-RGBW(4000K)-56-5050-1M-G	WEIGHT:0.325Kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.:11.5*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 31.05 lm/W			
MODEL	5050	I _{max} (cd)	50.33	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.72	LOR(%)	122.1	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	146.54	η UP, DN(C0-180)	0.4, 59.7
NOMINAL FLUX(lm)	120	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.2, 61.9
LAMPS INSIDE	1	η up(%)	0.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	121.5	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	49.15	49.05	49.01	49.47	49.54	49.55	49.18	49.21	0- 10	4.749	4.749	3.24,3.96
20	46.33	46.03	45.96	46.78	47.09	47.05	46.43	46.35	10- 20	13.58	18.33	12.5,15.3
30	41.91	41.34	41.23	42.39	42.95	42.89	42.05	41.91	20- 30	20.50	38.83	26.5,32.4
40	36.16	35.43	35.26	36.64	37.43	37.40	36.33	36.18	30- 40	24.63	63.46	43.3,52.9
50	29.44	28.56	28.45	29.90	30.87	30.86	29.72	29.49	40- 50	25.55	89.01	60.7,74.2
60	22.12	21.24	21.14	22.62	23.58	23.62	22.50	22.15	50- 60	23.32	112.3	76.7,93.6
70	14.50	13.64	13.59	15.02	15.90	16.06	15.06	14.54	60- 70	18.42	130.8	89.2,109
80	6.520	5.850	5.852	7.188	7.978	8.206	7.440	6.683	70- 80	11.48	142.2	97.1,119
90	0.5527	0.5720	0.2425	0.5459	0.6721	0.9419	0.4767	0.1658	80- 90	3.597	145.8	99.5,122
100	0.4247	0.3908	0.0727	0.2899	0.4167	0.2279	0	0	90-100	0.3258	146.2	99.7,122
110	0.3315	0.1475	0	0.0904	0.3261	0.1166	0	0	100-110	0.1776	146.3	99.9,122
120	0.2460	0.0880	0	0.0077	0.2485	0.0673	0	0	110-120	0.1018	146.4	99.9,122
130	0.1477	0.0440	0	0	0.1759	0.0389	0	0	120-130	0.0627	146.5	100,122
140	0.0648	0.0026	0	0	0.0879	0.0026	0	0	130-140	0.0294	146.5	100,122
150	0.0000	0	0	0	0.0232	0	0	0	140-150	0.0082	146.5	100,122
160	0	0	0	0	0	0	0	0	150-160	0.0005	146.5	100,122
170	0	0	0	0	0	0	0	0	160-170	0	146.5	100,122
180	0	0	0	0	0	0	0	0	170-180	0	146.5	100,122
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

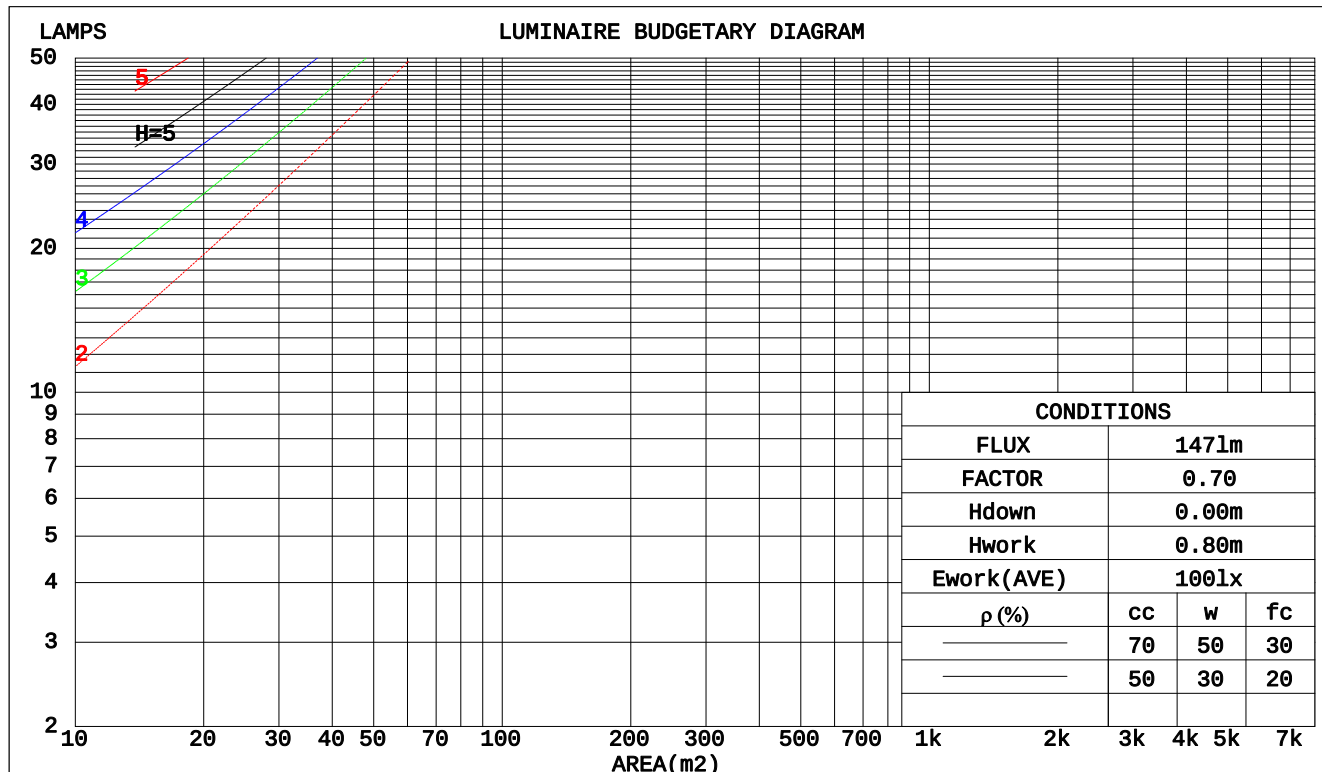
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-29

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-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	1.45	1.45	1.45	1.42	1.42	1.42	1.35	1.35	1.35	1.29	1.29	1.29	1.24	1.24	1.24	1.22
1.0	1.26	1.21	1.16	1.23	1.18	1.14	1.18	1.14	1.10	1.13	1.10	1.07	1.08	1.06	1.03	1.01
2.0	1.09	1.01	.94	1.07	.99	.92	1.03	.96	.90	.98	.93	.88	.95	.90	.86	.83
3.0	.96	.86	.77	.94	.84	.77	.90	.82	.75	.87	.80	.74	.83	.78	.72	.70
4.0	.85	.74	.65	.83	.73	.65	.80	.71	.64	.77	.69	.63	.74	.68	.62	.59
5.0	.76	.64	.56	.74	.64	.56	.72	.62	.55	.69	.61	.54	.67	.60	.54	.51
6.0	.68	.57	.49	.67	.56	.49	.65	.55	.48	.62	.54	.48	.60	.53	.47	.45
7.0	.62	.51	.43	.61	.50	.43	.59	.49	.43	.57	.48	.42	.55	.48	.42	.39
8.0	.56	.46	.39	.55	.45	.38	.54	.45	.38	.52	.44	.38	.51	.43	.38	.35
9.0	.52	.41	.35	.51	.41	.35	.49	.41	.34	.48	.40	.34	.47	.39	.34	.32
10.0	.48	.38	.31	.47	.38	.31	.46	.37	.31	.44	.37	.31	.43	.36	.31	.29



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-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						Wall Exitance Coeffcients(WEC)										
0.0																	
1.0	.392	.223	.071	.383	.218	.069	.366	.210	.067	.351	.202	.065	.337	.195	.063		
2.0	.365	.200	.061	.357	.197	.061	.342	.190	.059	.329	.184	.058	.316	.179	.056		
3.0	.336	.179	.054	.329	.176	.053	.316	.171	.052	.304	.166	.051	.293	.162	.050		
4.0	.309	.160	.047	.303	.158	.047	.291	.154	.046	.280	.151	.045	.270	.147	.045		
5.0	.285	.145	.042	.279	.143	.042	.269	.140	.041	.259	.137	.041	.250	.134	.040		
6.0	.263	.132	.038	.259	.131	.038	.249	.128	.037	.241	.125	.037	.233	.123	.036		
7.0	.245	.121	.034	.240	.120	.034	.232	.117	.034	.225	.115	.034	.217	.113	.033		
8.0	.228	.112	.031	.224	.111	.031	.217	.108	.031	.210	.107	.031	.204	.105	.030		
9.0	.214	.103	.029	.210	.102	.029	.204	.101	.029	.198	.099	.028	.192	.097	.028		
10.0	.201	.096	.027	.198	.095	.027	.192	.094	.026	.186	.092	.026	.181	.091	.026		

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	.237	.237	.237	.203	.203	.203	.138	.138	.138	.079	.079	.079	.025	.025	.025	
1.0	.226	.195	.168	.193	.167	.144	.132	.115	.100	.076	.067	.058	.024	.021	.019	
2.0	.216	.166	.123	.185	.143	.107	.127	.099	.074	.073	.057	.044	.023	.019	.014	
3.0	.207	.144	.094	.177	.124	.082	.122	.086	.057	.070	.050	.034	.023	.016	.011	
4.0	.197	.128	.075	.169	.111	.065	.116	.077	.046	.067	.045	.027	.022	.015	.009	
5.0	.188	.115	.062	.161	.100	.054	.111	.070	.038	.064	.041	.022	.021	.013	.007	
6.0	.179	.105	.052	.154	.091	.045	.106	.064	.032	.062	.038	.019	.020	.012	.006	
7.0	.171	.097	.045	.147	.084	.039	.101	.059	.028	.059	.035	.017	.019	.011	.005	
8.0	.163	.090	.039	.140	.078	.034	.097	.055	.024	.056	.032	.015	.018	.011	.005	
9.0	.155	.084	.035	.134	.073	.031	.093	.051	.022	.054	.030	.013	.017	.010	.004	
10.0	.148	.078	.032	.128	.068	.028	.089	.048	.020	.052	.028	.012	.017	.009	.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-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	17.4	19.0	17.7	19.2	19.4	17.2	18.8	17.5	19.0	19.2	
	3H	19.1	20.5	19.4	20.7	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	21.4
	6H	20.3	21.6	20.6	21.8	22.1	19.9	21.2	20.3	21.5	21.8
	8H	20.4	21.7	20.8	22.0	22.3	20.1	21.3	20.4	21.6	21.9
	12H	20.5	21.7	20.9	22.0	22.3	20.1	21.3	20.5	21.6	21.9
4H	2H	18.0	19.4	18.4	19.6	19.9	17.9	19.2	18.2	19.5	19.8
	3H	19.9	21.0	20.2	21.3	21.7	19.6	20.8	20.0	21.1	21.5
	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	22.0	21.4	22.3	22.7
	8H	21.5	22.4	21.9	22.8	23.2	21.2	22.1	21.6	22.5	22.9
	12H	21.6	22.5	22.1	22.9	23.3	21.3	22.1	21.7	22.5	22.9
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	22.2	21.9	22.6	23.0
	8H	22.0	22.7	22.5	23.1	23.6	21.7	22.4	22.2	22.8	23.3
	12H	22.2	22.8	22.7	23.2	23.7	21.8	22.4	22.3	22.9	23.4
12H	4H	20.9	21.8	21.4	22.2	22.6	20.7	21.6	21.2	22.0	22.4
	6H	21.8	22.4	22.2	22.9	23.3	21.5	22.2	22.0	22.6	23.1
	8H	22.1	22.7	22.6	23.1	23.6	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					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.3					

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-G	WEIGHT: 0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

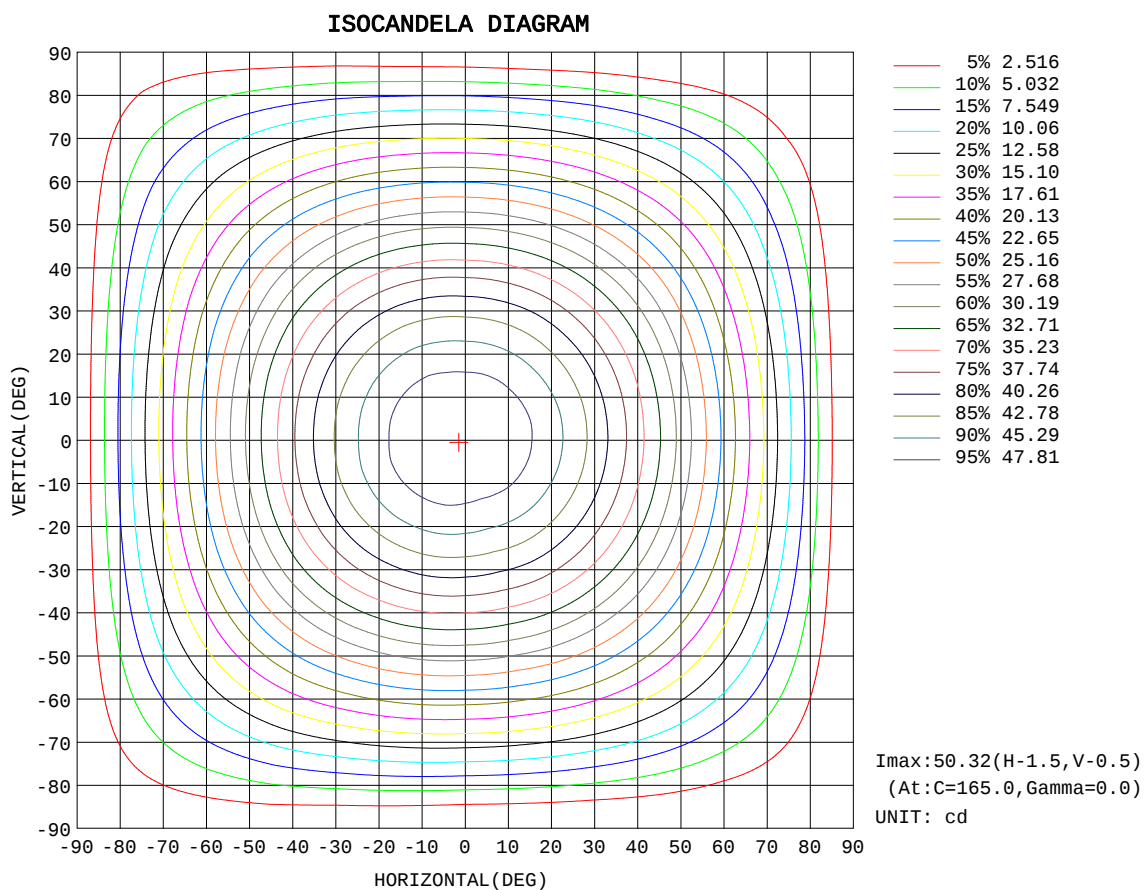
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	69	55	47	68	55	46	67	54	46	38
0.80	82	67	58	80	67	58	78	66	57	49
1.00	92	78	69	90	77	68	87	79	68	59
1.25	100	87	78	98	86	78	95	85	77	68
1.50	106	94	85	104	93	85	101	91	83	74
2.00	115	104	96	113	103	95	108	100	93	83
2.50	120	110	102	117	108	101	112	105	99	88
3.00	124	115	108	121	113	107	116	110	104	94
4.00	129	122	116	126	120	114	121	115	111	100
5.00	132	126	121	129	123	119	123	119	115	103
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 G0-2000A_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-G	WEIGHT: 0.325Kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.: 11.5*1000mm	

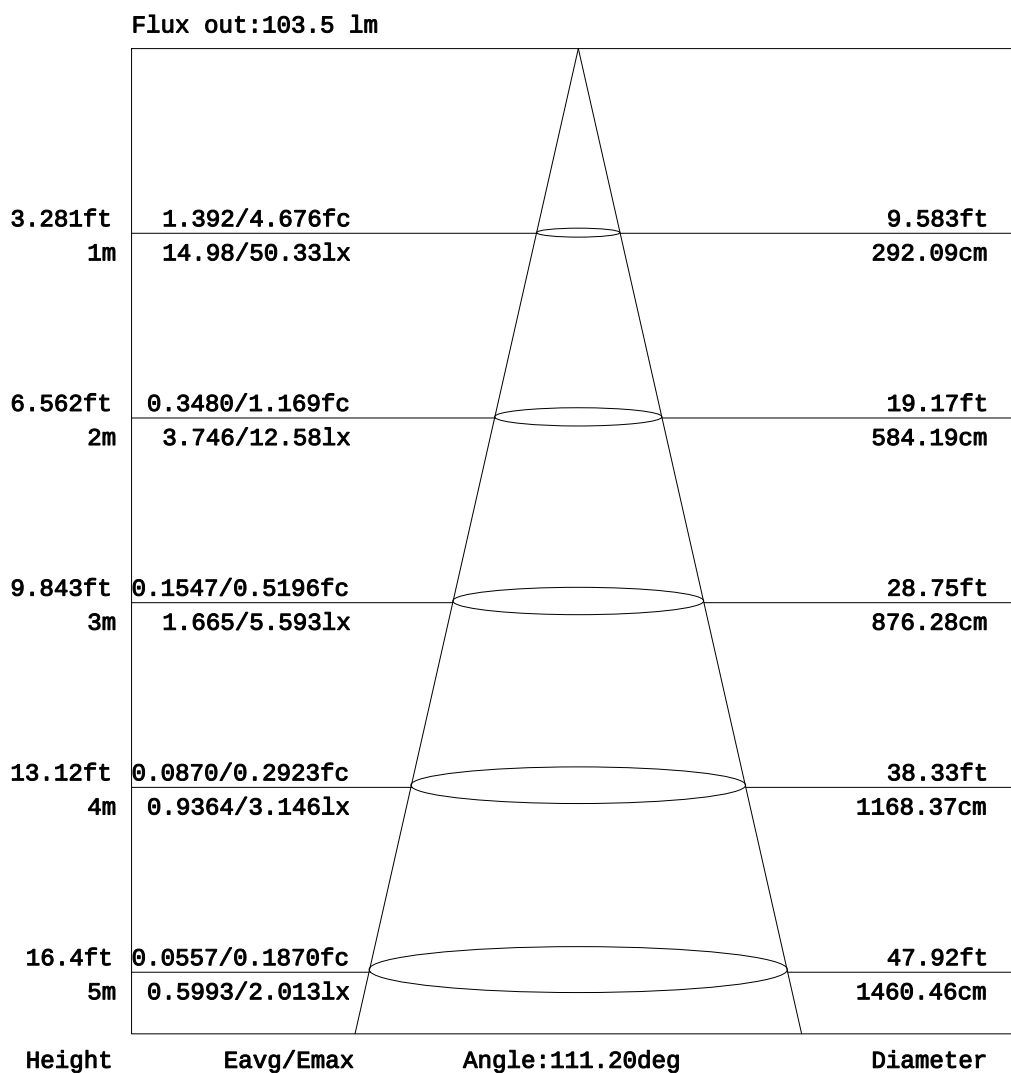


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-29

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



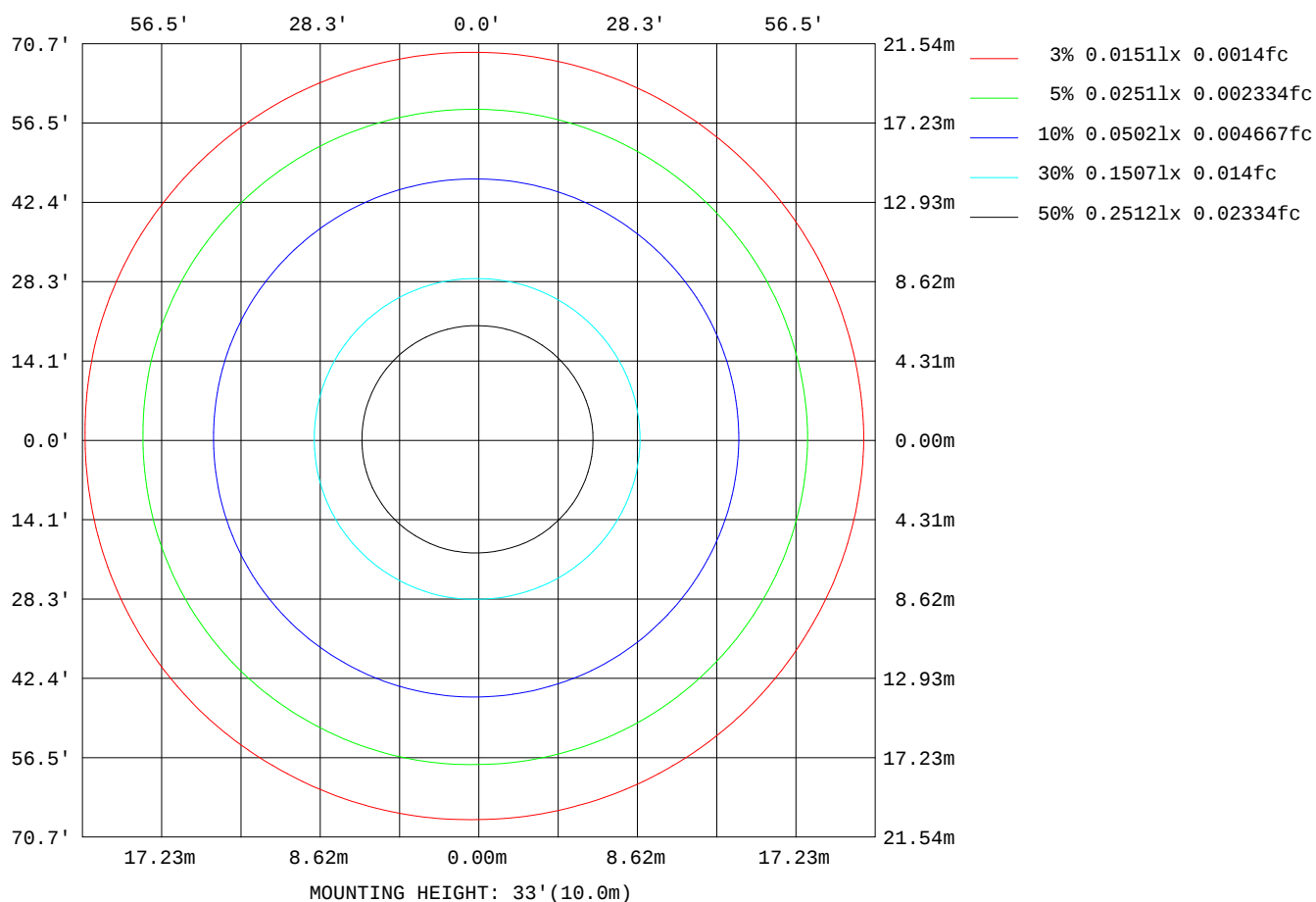
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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

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-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:2018-08-29

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-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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	3915	3887	3856	3823	3795	3775	3763	3746	3745	3765	3806	3852	3901	3960	4017	4064	4098	4120	4137
60	3847	3814	3776	3737	3706	3685	3671	3657	3656	3677	3722	3775	3829	3899	3963	4015	4053	4079	4101
65	3777	3733	3684	3636	3607	3584	3566	3556	3558	3578	3632	3692	3755	3839	3914	3969	4013	4045	4073
70	3687	3629	3568	3510	3480	3456	3435	3425	3429	3454	3520	3593	3666	3768	3857	3921	3972	4008	4043
75	3541	3469	3390	3317	3286	3261	3236	3234	3242	3269	3356	3447	3539	3674	3786	3858	3921	3972	4026
80	3265	3169	3064	2968	2938	2908	2873	2876	2891	2930	3058	3188	3314	3507	3661	3755	3846	3919	3995
85	2550	2452	2298	2137	2123	2092	2026	2040	2055	2097	2316	2537	2750	3119	3394	3537	3678	3793	3934

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	4137	200	---	500
Category 2	65 to 90	4073	200	---	500
Category 3	75 to 90	4026	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-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	50.2	50.3	50.2	50.2	50.1	50.0	50.1	50.2	50.3	50.3	50.3	50.3	50.2	50.3	50.2	50.2	50.1	50.0	50.1
5	50.0	50.0	50.0	50.0	49.9	49.8	49.9	50.1	50.2	50.2	50.2	50.3	50.2	50.2	50.2	50.2	50.1	49.9	50.0
10	49.1	49.1	49.1	49.0	48.9	48.8	49.0	49.2	49.4	49.5	49.6	49.6	49.5	49.6	49.6	49.5	49.4	49.2	49.2
15	48.2	48.2	48.1	48.1	47.9	47.8	48.0	48.3	48.5	48.6	48.7	48.9	48.8	48.8	48.8	48.8	48.7	48.4	48.3
20	46.3	46.2	46.1	46.0	45.9	45.8	46.0	46.3	46.5	46.8	47.0	47.1	47.1	47.1	47.1	47.0	46.9	46.6	46.4
25	44.7	44.6	44.5	44.3	44.2	44.0	44.2	44.6	44.9	45.2	45.5	45.6	45.6	45.7	45.7	45.6	45.4	45.1	44.9
30	41.9	41.7	41.5	41.3	41.2	41.0	41.2	41.6	42.0	42.4	42.7	42.9	43.0	43.1	43.0	42.9	42.7	42.4	42.1
35	39.7	39.6	39.3	39.1	39.0	38.8	39.0	39.4	39.8	40.2	40.6	40.9	40.9	41.0	41.0	40.8	40.6	40.2	39.9
40	36.2	35.9	35.6	35.4	35.3	35.1	35.3	35.7	36.1	36.6	37.1	37.4	37.4	37.6	37.6	37.4	37.1	36.7	36.3
45	33.6	33.3	33.0	32.8	32.6	32.4	32.6	33.0	33.5	34.0	34.5	34.8	34.9	35.1	35.1	34.9	34.5	34.1	33.8
50	29.4	29.1	28.9	28.6	28.4	28.3	28.4	28.9	29.3	29.9	30.4	30.7	30.9	31.1	31.1	30.9	30.5	30.1	29.7
55	26.6	26.3	25.9	25.7	25.6	25.4	25.6	26.0	26.5	27.0	27.5	27.8	28.0	28.2	28.3	28.0	27.7	27.2	26.9
60	22.1	21.8	21.5	21.2	21.1	21.0	21.1	21.6	22.0	22.6	23.1	23.4	23.6	23.9	23.9	23.6	23.2	22.8	22.5
65	19.1	18.8	18.4	18.2	18.1	18.0	18.1	18.6	19.0	19.6	20.1	20.4	20.5	20.9	20.9	20.6	20.3	19.9	19.6
70	14.5	14.2	13.8	13.6	13.5	13.5	13.6	14.0	14.4	15.0	15.4	15.7	15.9	16.3	16.3	16.1	15.7	15.4	15.1
75	11.3	11.0	10.7	10.5	10.4	10.4	10.5	10.9	11.3	11.9	12.3	12.6	12.8	13.2	13.1	12.9	12.7	12.3	12.0
80	6.52	6.23	5.93	5.85	5.74	5.76	5.85	6.25	6.62	7.19	7.50	7.76	7.98	8.43	8.43	8.21	8.01	7.63	7.44
85	3.33	3.14	2.85	2.83	2.72	2.76	2.82	3.19	3.52	4.07	4.34	4.54	4.73	5.23	5.26	5.09	4.91	4.57	4.38
90	0.55	0.59	0.59	0.57	0.49	0.34	0.24	0.27	0.35	0.55	0.60	0.61	0.67	1.11	1.07	0.94	0.82	0.58	0.48
95	0.49	0.52	0.52	0.49	0.41	0.27	0.17	0.18	0.24	0.40	0.46	0.44	0.48	0.74	0.53	0.32	0.14	0.01	0.00
100	0.42	0.43	0.41	0.39	0.31	0.17	0.07	0.08	0.15	0.29	0.34	0.33	0.42	0.65	0.43	0.23	0.05	0.00	0.00
105	0.39	0.40	0.31	0.31	0.24	0.10	0.02	0.02	0.07	0.23	0.27	0.31	0.38	0.60	0.39	0.16	0.01	0.00	0.00
110	0.33	0.36	0.27	0.15	0.11	0.01	0.00	0.00	0.00	0.09	0.17	0.26	0.33	0.49	0.33	0.12	0.00	0.00	0.00
115	0.29	0.32	0.25	0.11	0.00	0.00	0.00	0.00	0.00	0.03	0.15	0.24	0.29	0.42	0.30	0.08	0.00	0.00	0.00
120	0.25	0.27	0.21	0.09	0.00	0.00	0.00	0.00	0.00	0.01	0.12	0.21	0.25	0.33	0.25	0.07	0.00	0.00	0.00
125	0.20	0.24	0.18	0.08	0.00	0.00	0.00	0.00	0.00	0.00	0.10	0.18	0.23	0.27	0.22	0.06	0.00	0.00	0.00
130	0.15	0.18	0.12	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.07	0.14	0.18	0.20	0.16	0.04	0.00	0.00	0.00
135	0.12	0.14	0.09	0.03	0.00	0.00	0.00	0.00	0.00	0.00	0.06	0.11	0.14	0.16	0.12	0.02	0.00	0.00	0.00
140	0.06	0.09	0.05	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.02	0.07	0.09	0.09	0.07	0.00	0.00	0.00	0.00
145	0.02	0.06	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.06	0.07	0.07	0.03	0.00	0.00	0.00	0.00
150	0.00	0.02	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.03	0.02	0.02	0.01	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	0.01	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:2018-08-29

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-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	50.2	50.3	50.3	50.3	50.3														
5	50.1	50.1	50.1	50.1	50.1														
10	49.3	49.2	49.2	49.2	49.2														
15	48.3	48.3	48.3	48.3	48.3														
20	46.4	46.4	46.3	46.4	46.4														
25	44.8	44.8	44.7	44.8	44.8														
30	42.0	42.0	41.9	41.9	42.0														
35	39.8	39.8	39.7	39.8	39.8														
40	36.3	36.2	36.2	36.2	36.2														
45	33.7	33.6	33.6	33.6	33.6														
50	29.6	29.5	29.5	29.5	29.5														
55	26.8	26.7	26.6	26.7	26.6														
60	22.4	22.2	22.2	22.2	22.1														
65	19.4	19.3	19.1	19.1	19.1														
70	14.9	14.7	14.5	14.5	14.4														
75	11.8	11.6	11.4	11.3	11.2														
80	7.19	6.99	6.68	6.50	6.26														
85	4.11	3.91	3.58	3.35	3.08														
90	0.37	0.28	0.17	0.12	0.08														
95	0.01	0.04	0.04	0.04	0.02														
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 G0-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks: