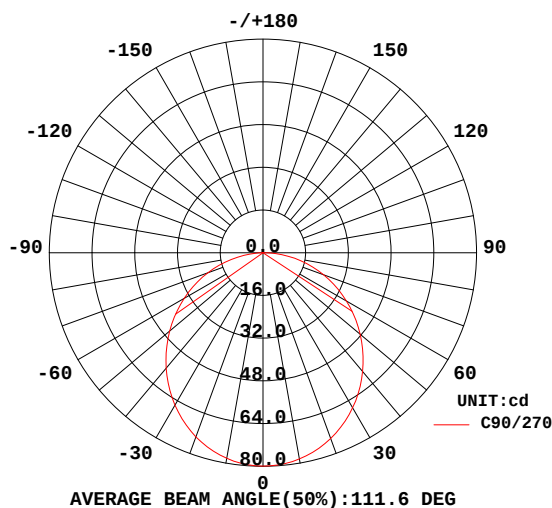


LUMINAIRE PHOTOMETRIC TEST REPORT

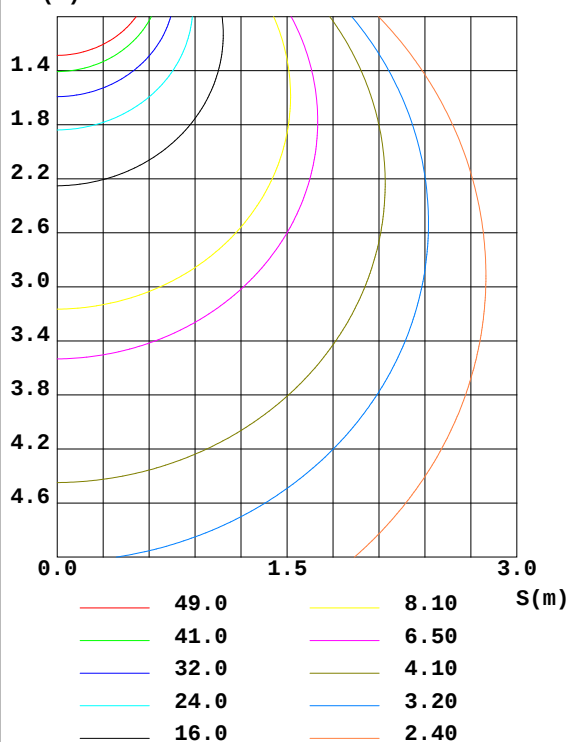
NAME: C-SFR-F15S-HB-D24CC-RGB-56-5050-1M-RGB	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.: 11.5*1000mm
	PROTECTION ANGLE: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 20.38 lm/W
MODEL	5050	I _{max} (cd)	79.93	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	12	LOR(%)	120.6	S/MH(C90/270)	1.23	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	235.20	η UP, DN(C0-180)	0.5, 58.7	
NOMINAL FLUX(lm)	195	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 60.9	
LAMPS INSIDE	1	η up(%)	1.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	119.6	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: 2018-08-31

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	78.16	77.98	78.19	78.73	78.85	78.86	78.43	78.12	0- 10	7.557	7.557	3.21, 3.88
20	73.63	73.14	73.41	74.59	74.96	74.94	74.06	73.51	10- 20	21.61	29.16	12.4, 15
30	66.58	65.69	65.92	67.73	68.49	68.45	67.09	66.42	20- 30	32.65	61.81	26.3, 31.7
40	57.42	56.25	56.42	58.72	59.78	59.77	58.04	57.26	30- 40	39.25	101.1	43, 51.8
50	46.75	45.37	45.63	48.08	49.41	49.47	47.50	46.63	40- 50	40.76	141.8	60.3, 72.7
60	35.10	33.72	34.03	36.59	37.88	38.08	36.05	35.01	50- 60	37.28	179.1	76.1, 91.8
70	22.87	21.59	22.00	24.54	25.73	26.08	24.20	22.91	60- 70	29.53	208.6	88.7, 107
80	10.16	9.168	9.689	12.10	12.99	13.64	12.05	10.43	70- 80	18.52	227.2	96.6, 116
90	0.7179	1.005	0.7564	1.360	1.364	2.127	1.159	0.4818	80- 90	6.021	233.2	99.1, 120
100	0.6197	0.6488	0.3459	0.7480	0.9528	0.7162	0.1234	0.1662	90-100	0.7841	234.0	99.5, 120
110	0.5261	0.3453	0.0846	0.4471	0.8315	0.5573	0	0.0367	100-110	0.4712	234.4	99.7, 120
120	0.4408	0.2312	0	0.2897	0.6994	0.4179	0	0	110-120	0.2959	234.7	99.8, 120
130	0.3444	0.1755	0	0.2222	0.5561	0.3343	0	0	120-130	0.2016	234.9	99.9, 120
140	0.2534	0.1281	0	0.1631	0.4212	0.2424	0	0.0197	130-140	0.1336	235.1	99.9, 121
150	0.1598	0.0835	0	0.1153	0.2973	0.1532	0	0.0197	140-150	0.0789	235.1	100, 121
160	0.1019	0.0529	0	0.0759	0.1844	0.0808	0	0.0309	150-160	0.0394	235.2	100, 121
170	0.0716	0.0390	0.0252	0.0366	0.0853	0.0334	0.0253	0.0282	160-170	0.0156	235.2	100, 121
180	0.0688	0.0418	0.0421	0.0450	0.0716	0.0474	0.0478	0.0506	170-180	0.0043	235.2	100, 121
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

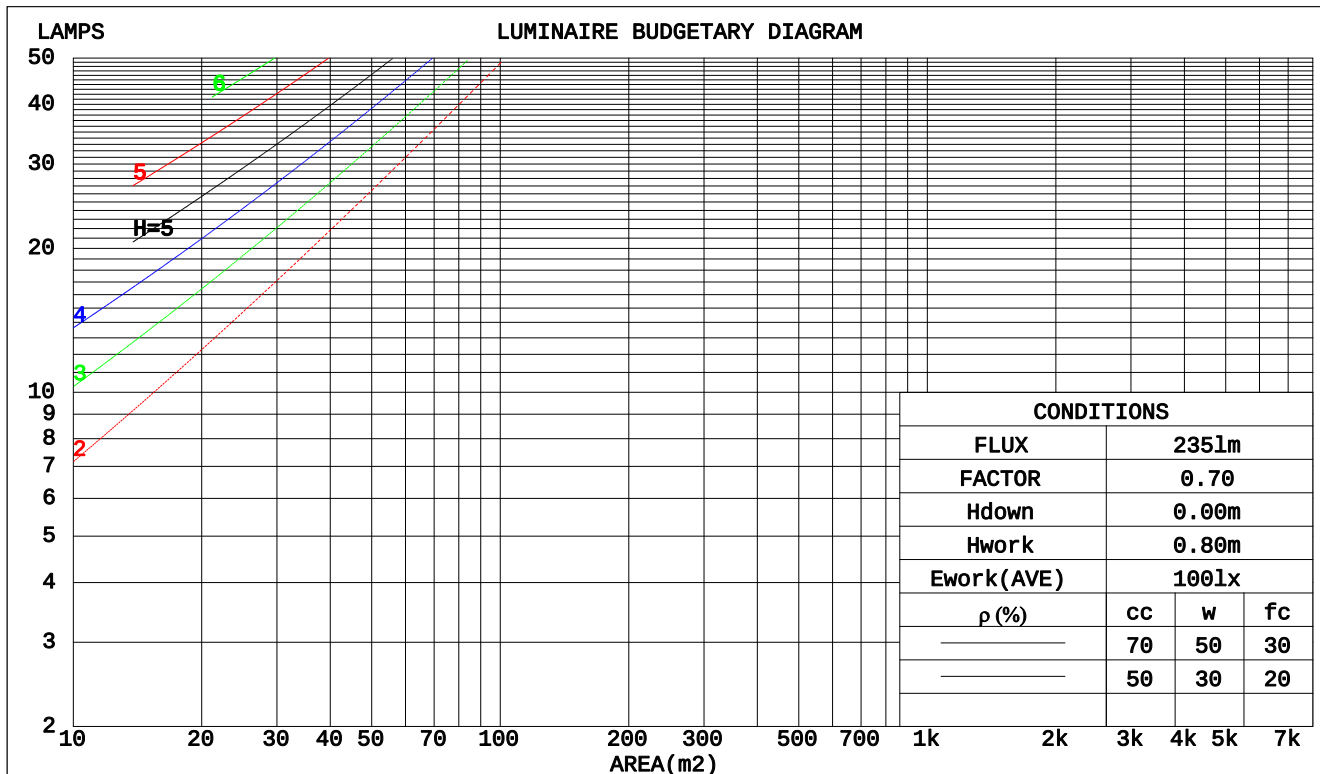
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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-RGB-56-5050-1M-RGBE:/	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	1.43	1.43	1.43	1.40	1.40	1.40	1.33	1.33	1.33	1.28	1.28	1.28	1.22	1.22	1.22	1.20
1.0	1.24	1.19	1.14	1.21	1.16	1.12	1.16	1.12	1.08	1.11	1.08	1.05	1.07	1.04	1.01	.99
2.0	1.08	.99	.92	1.05	.98	.91	1.01	.94	.89	.97	.91	.86	.93	.88	.84	.82
3.0	.94	.84	.76	.92	.83	.75	.89	.81	.74	.85	.78	.73	.82	.76	.71	.68
4.0	.84	.73	.64	.82	.72	.64	.79	.70	.63	.76	.68	.62	.73	.66	.61	.58
5.0	.75	.63	.55	.73	.63	.55	.70	.61	.54	.68	.60	.54	.66	.58	.53	.50
6.0	.67	.56	.48	.66	.55	.48	.64	.54	.47	.61	.53	.47	.59	.52	.46	.44
7.0	.61	.50	.42	.60	.50	.42	.58	.49	.42	.56	.48	.42	.54	.47	.41	.39
8.0	.55	.45	.38	.54	.45	.38	.53	.44	.37	.51	.43	.37	.50	.42	.37	.34
9.0	.51	.41	.34	.50	.40	.34	.49	.40	.34	.47	.39	.33	.46	.39	.33	.31
10.0	.47	.37	.31	.46	.37	.31	.45	.36	.31	.44	.36	.30	.43	.35	.30	.28



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-31

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-RGB-56-5050-1M-RGBE:/	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	.388	.221	.070	.380	.216	.069	.363	.208	.066	.348	.200	.064	.333	.193	.062		
2.0	.361	.198	.061	.353	.195	.060	.339	.188	.058	.325	.182	.057	.313	.177	.056		
3.0	.332	.177	.053	.325	.174	.052	.312	.169	.051	.300	.164	.050	.289	.160	.049		
4.0	.305	.159	.047	.299	.157	.046	.287	.152	.046	.277	.149	.045	.267	.145	.044		
5.0	.281	.143	.042	.276	.142	.041	.266	.138	.041	.256	.135	.040	.247	.132	.040		
6.0	.260	.131	.037	.255	.129	.037	.246	.126	.037	.238	.123	.036	.230	.121	.036		
7.0	.242	.120	.034	.238	.118	.034	.229	.116	.033	.222	.114	.033	.214	.111	.033		
8.0	.226	.110	.031	.222	.109	.031	.214	.107	.031	.207	.105	.030	.201	.103	.030		
9.0	.211	.102	.029	.208	.101	.028	.201	.099	.028	.195	.098	.028	.189	.096	.028		
10.0	.198	.095	.026	.195	.094	.026	.189	.093	.026	.184	.091	.026	.178	.090	.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	.238	.238	.238	.203	.203	.203	.139	.139	.139	.080	.080	.080	.025	.025	.025	
1.0	.226	.196	.169	.194	.168	.145	.133	.116	.101	.076	.067	.058	.024	.022	.019	
2.0	.217	.167	.125	.186	.144	.108	.127	.100	.075	.073	.058	.044	.024	.019	.014	
3.0	.208	.146	.097	.178	.126	.084	.122	.087	.059	.071	.051	.035	.023	.017	.011	
4.0	.198	.130	.078	.170	.112	.068	.117	.078	.048	.068	.046	.028	.022	.015	.009	
5.0	.189	.118	.065	.163	.102	.056	.112	.071	.040	.065	.042	.024	.021	.014	.008	
6.0	.181	.107	.055	.155	.093	.048	.107	.065	.034	.062	.038	.020	.020	.013	.007	
7.0	.172	.099	.048	.148	.086	.042	.102	.060	.030	.059	.036	.018	.019	.012	.006	
8.0	.164	.092	.043	.142	.080	.037	.098	.056	.026	.057	.033	.016	.018	.011	.005	
9.0	.157	.086	.038	.135	.075	.034	.094	.053	.024	.055	.031	.014	.018	.010	.005	
10.0	.150	.081	.035	.129	.070	.031	.090	.050	.022	.052	.029	.013	.017	.010	.004	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-31

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-RGB-56-5050-1M-RGBE:/						WEIGHT:0.325kg/m					
DIM.: 11.5*21mm						SPEC.:					
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	19.1	20.6	19.3	20.8	21.0	18.8	20.4	19.1	20.6	20.8	
	3H	20.7	22.1	21.0	22.4	22.6	20.4	21.9	20.8	22.1	22.4
	4H	21.4	22.7	21.7	23.0	23.3	21.1	22.5	21.4	22.7	23.0
	6H	21.9	23.2	22.2	23.4	23.7	21.6	22.9	21.9	23.1	23.4
	8H	22.0	23.3	22.4	23.6	23.9	21.7	23.0	22.1	23.3	23.6
	12H	22.1	23.3	22.5	23.6	23.9	21.8	23.0	22.2	23.3	23.6
4H	2H	19.6	21.0	20.0	21.3	21.5	19.5	20.8	19.8	21.1	21.4
	3H	21.5	22.6	21.8	22.9	23.3	21.2	22.4	21.6	22.7	23.1
	4H	22.3	23.3	22.6	23.7	24.0	22.0	23.1	22.4	23.5	23.8
	6H	22.9	23.9	23.3	24.2	24.6	22.6	23.6	23.1	24.0	24.4
	8H	23.1	24.0	23.5	24.4	24.8	22.8	23.7	23.3	24.1	24.5
	12H	23.2	24.0	23.6	24.4	24.9	22.9	23.8	23.4	24.2	24.6
8H	4H	22.5	23.4	22.9	23.8	24.2	22.3	23.2	22.7	23.6	24.0
	6H	23.3	24.0	23.7	24.5	24.9	23.1	23.8	23.5	24.2	24.7
	8H	23.6	24.2	24.0	24.7	25.1	23.3	24.0	23.8	24.4	24.9
	12H	23.7	24.3	24.2	24.8	25.3	23.5	24.1	24.0	24.5	25.0
12H	4H	22.5	23.4	23.0	23.8	24.2	22.3	23.2	22.8	23.6	24.0
	6H	23.3	24.0	23.8	24.4	24.9	23.1	23.8	23.6	24.2	24.7
	8H	23.6	24.2	24.1	24.7	25.2	23.4	24.0	23.9	24.5	24.9
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					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 195.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.7)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-31

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-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.: /	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

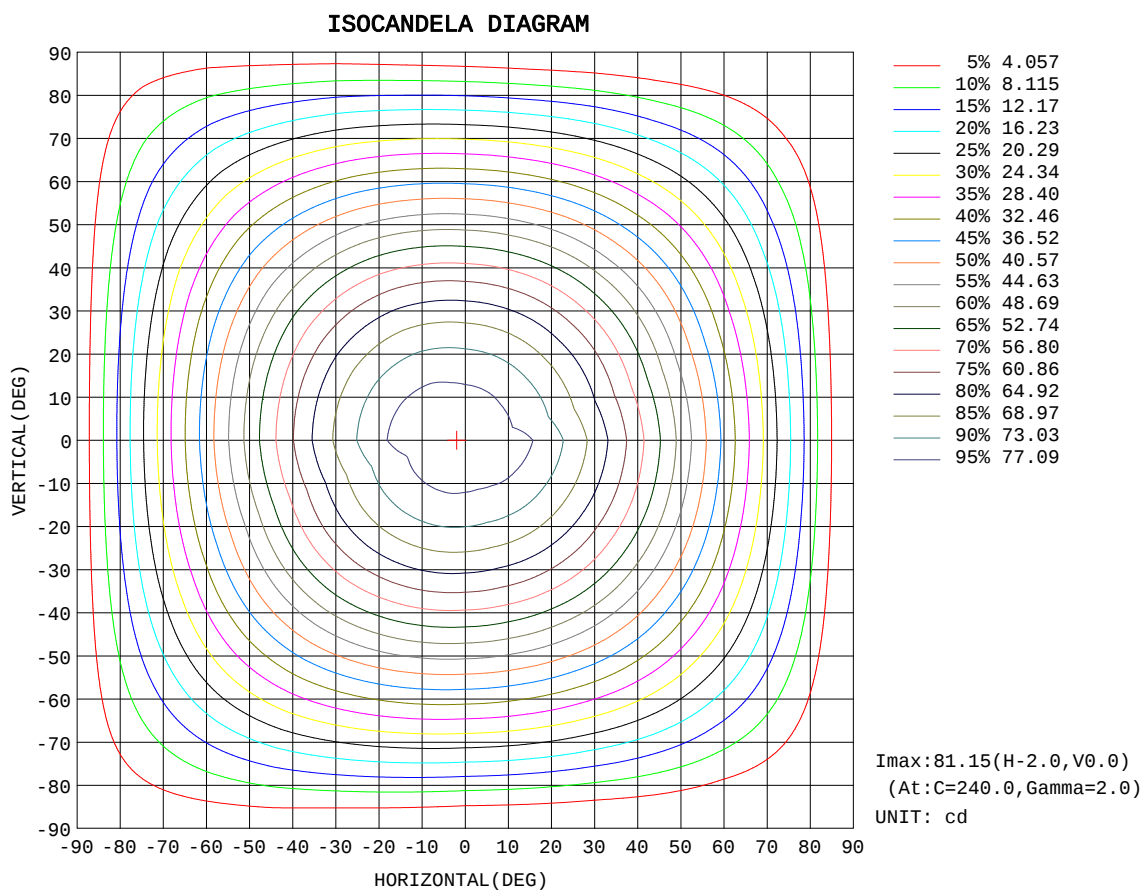
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	68	54	46	67	54	46	66	53	45	37
0.80	80	66	57	79	65	57	77	64	56	48
1.00	90	77	68	89	76	67	86	78	67	58
1.25	99	86	77	97	85	76	94	83	75	66
1.50	105	93	84	103	91	83	99	89	82	73
2.00	113	103	94	111	101	93	107	98	92	82
2.50	118	108	101	115	107	100	111	103	97	87
3.00	122	114	107	119	112	105	114	108	103	92
4.00	127	120	114	124	118	112	119	114	109	98
5.00	130	124	119	127	122	117	121	117	113	102
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: 2018-08-31

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-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.: /	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

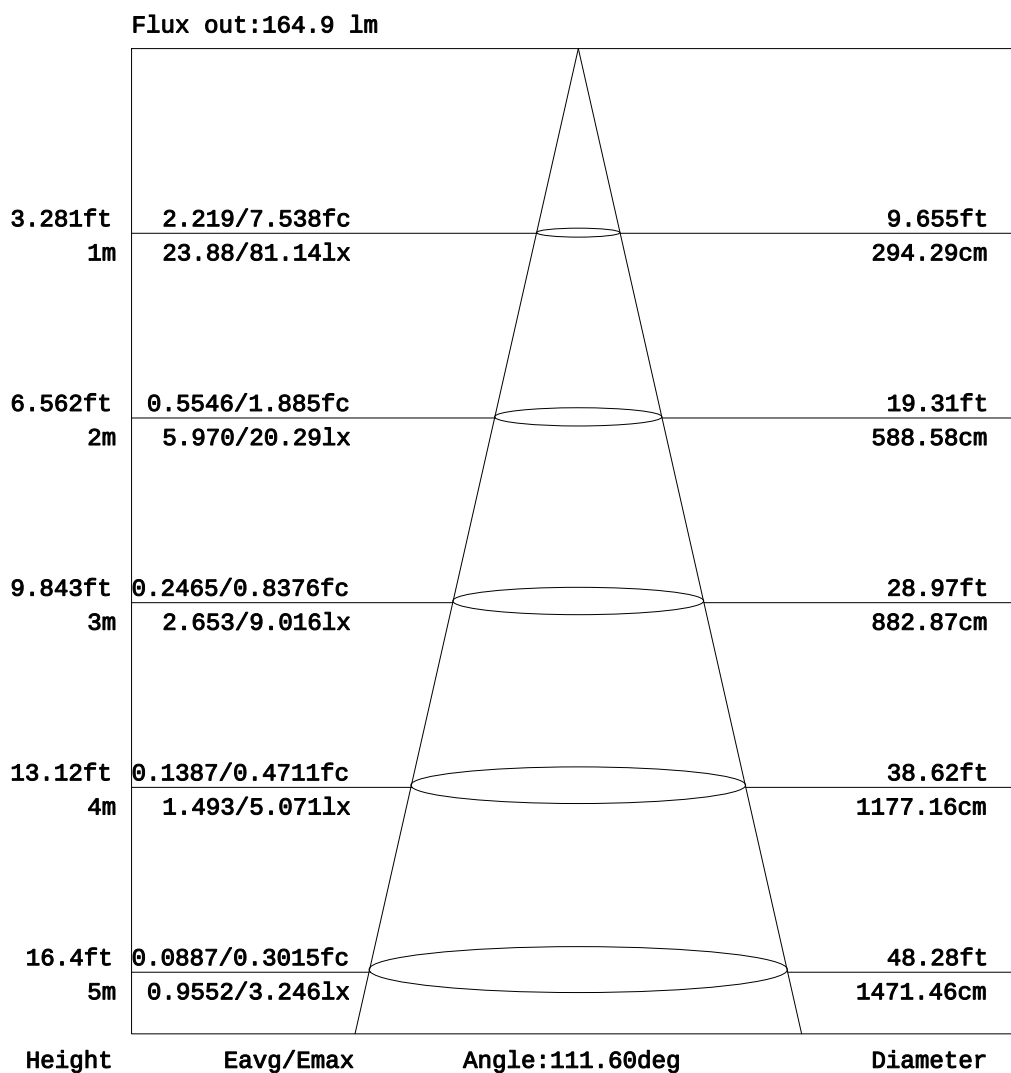


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.: /	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /



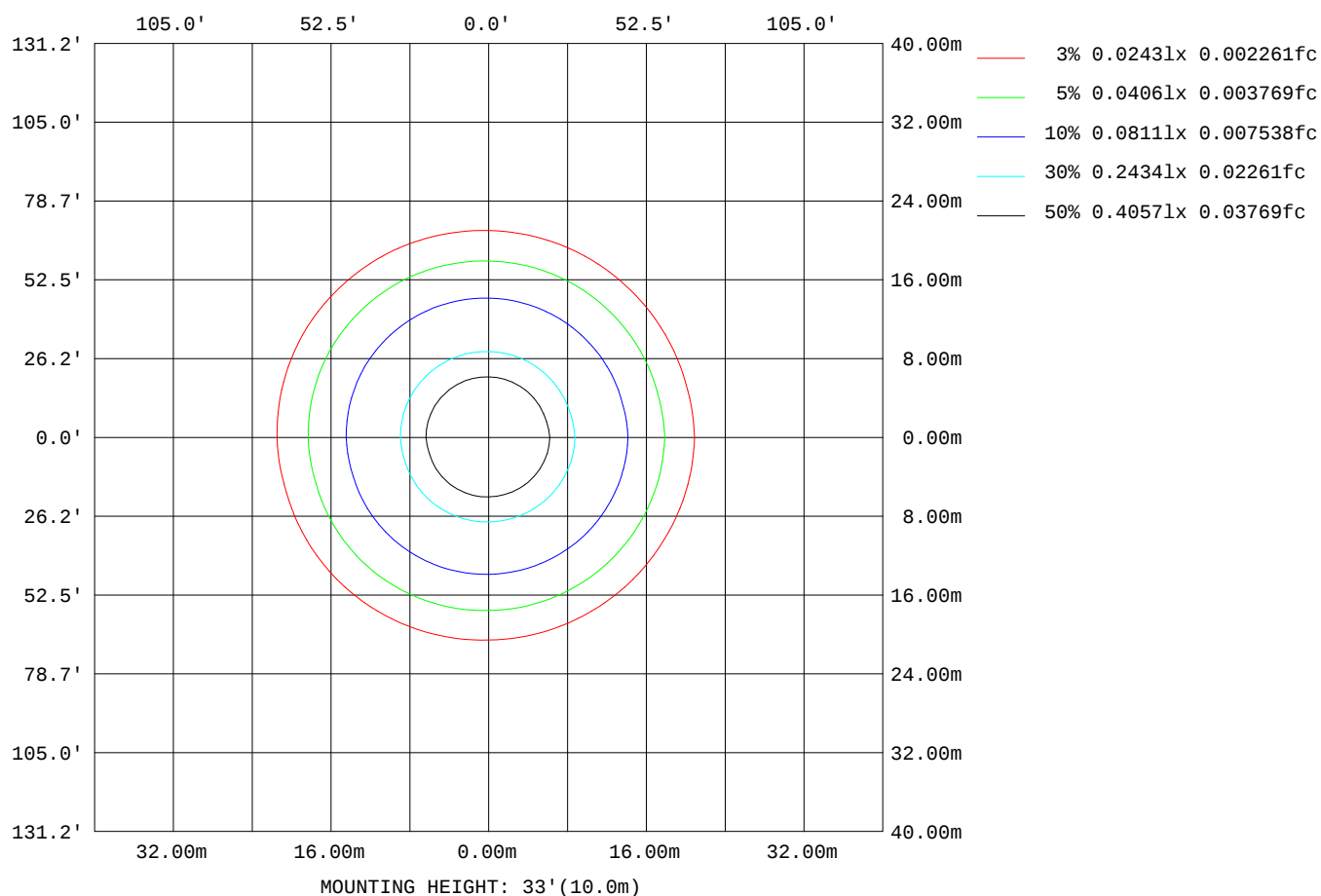
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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-RGB-56-5050-1M-RGB	ROPE: /	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: 2018-08-31

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:

Average Luminance Table(CIBSE)

NAME: C-SFR-F15S-HB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	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	195	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	6218	6167	6107	6048	6015	5995	5987	5996	6015	6047	6114	6198	6290	6387	6470	6532	6577	6611	6640
60	6105	6042	5972	5905	5874	5854	5842	5859	5883	5918	5996	6092	6198	6310	6406	6475	6524	6558	6589
65	5976	5903	5822	5744	5711	5689	5679	5705	5735	5773	5870	5987	6109	6240	6348	6426	6481	6521	6560
70	5815	5723	5623	5531	5498	5476	5464	5505	5547	5593	5715	5858	6005	6167	6296	6382	6442	6488	6541
75	5566	5448	5318	5200	5173	5159	5150	5209	5267	5332	5496	5682	5867	6077	6236	6335	6414	6471	6533
80	5089	4931	4758	4604	4585	4574	4565	4663	4754	4852	5107	5379	5636	5930	6149	6275	6377	6435	6505
85	3870	3700	3470	3262	3347	3399	3382	3530	3640	3754	4185	4633	5051	5632	6030	6203	6377	6463	6573

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	6640	200	---	500
Category 2	65 to 90	6573	200	---	500
Category 3	75 to 90	6573	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: 2018-08-31

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F15S-HB-D24CC-RGB-56-5050-1M-RGB	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SERIAL No.:
MFR.:	PROTECTION ANGLE: /
	SUR.: 11.5*1000mm

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	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9	79.9
5	79.6	79.5	79.5	79.5	79.5	79.5	79.6	79.7	79.7	79.8	79.8	79.8	79.8	79.8	79.8	79.8	79.9	79.8	79.7
10	78.2	78.1	78.0	78.0	77.9	78.0	78.2	78.4	78.5	78.7	78.8	78.9	78.8	78.9	78.9	78.9	78.9	78.7	78.4
15	76.7	76.6	76.4	76.4	76.3	76.4	76.6	76.9	77.1	77.4	77.6	77.6	77.6	77.7	77.7	77.6	77.6	77.3	77.0
20	73.6	73.5	73.2	73.1	73.1	73.2	73.4	73.8	74.1	74.6	74.9	75.0	75.0	75.1	75.1	74.9	74.8	74.5	74.1
25	71.1	70.9	70.6	70.4	70.4	70.4	70.7	71.1	71.6	72.1	72.5	72.6	72.7	72.8	72.8	72.6	72.5	72.1	71.6
30	66.6	66.3	65.9	65.7	65.7	65.7	65.9	66.4	67.0	67.7	68.2	68.4	68.5	68.6	68.7	68.4	68.2	67.8	67.1
35	63.1	62.8	62.4	62.1	62.0	62.1	62.3	62.9	63.6	64.3	64.9	65.2	65.2	65.4	65.5	65.2	64.9	64.4	63.7
40	57.4	57.1	56.5	56.3	56.1	56.2	56.4	57.1	57.8	58.7	59.3	59.7	59.8	60.0	60.1	59.8	59.4	58.8	58.0
45	53.3	52.9	52.3	52.0	51.9	52.0	52.2	52.9	53.7	54.6	55.3	55.6	55.8	56.0	56.2	55.8	55.4	54.8	54.0
50	46.7	46.2	45.7	45.4	45.3	45.3	45.6	46.3	47.2	48.1	48.7	49.1	49.4	49.7	49.9	49.5	49.0	48.3	47.5
55	42.2	41.6	41.1	40.8	40.7	40.8	41.0	41.7	42.6	43.6	44.2	44.7	45.0	45.3	45.5	45.0	44.6	43.8	43.0
60	35.1	34.6	34.0	33.7	33.6	33.8	34.0	34.7	35.6	36.6	37.2	37.6	37.9	38.4	38.5	38.1	37.6	36.8	36.0
65	30.3	29.7	29.1	28.9	28.8	29.0	29.3	30.0	30.9	31.8	32.4	32.8	33.1	33.6	33.8	33.3	32.8	32.1	31.3
70	22.9	22.3	21.8	21.6	21.5	21.8	22.0	22.8	23.6	24.5	25.1	25.4	25.7	26.4	26.5	26.1	25.6	24.9	24.2
75	17.8	17.3	16.7	16.6	16.6	16.8	17.1	17.9	18.7	19.6	20.1	20.5	20.7	21.3	21.6	21.1	20.7	20.0	19.4
80	10.2	9.69	9.19	9.17	9.12	9.43	9.69	10.5	11.3	12.1	12.5	12.8	13.0	13.8	14.0	13.6	13.3	12.6	12.1
85	5.11	4.78	4.33	4.44	4.39	4.68	4.88	5.60	6.28	7.13	7.47	7.73	7.86	8.67	8.95	8.64	8.39	7.72	7.14
90	0.72	0.84	0.91	1.01	0.97	0.86	0.76	0.91	1.14	1.36	1.40	1.35	1.36	2.13	2.31	2.13	1.93	1.52	1.16
95	0.67	0.72	0.77	0.85	0.80	0.67	0.53	0.64	0.80	0.96	1.05	0.98	1.04	1.48	1.28	0.92	0.67	0.40	0.25
100	0.62	0.60	0.58	0.65	0.61	0.47	0.35	0.38	0.57	0.75	0.84	0.82	0.95	1.36	1.11	0.72	0.44	0.26	0.12
105	0.59	0.56	0.48	0.52	0.48	0.37	0.24	0.27	0.46	0.62	0.72	0.77	0.91	1.28	1.01	0.67	0.37	0.16	0.05
110	0.53	0.51	0.41	0.35	0.31	0.20	0.08	0.14	0.30	0.45	0.57	0.70	0.83	1.16	0.89	0.56	0.29	0.09	0.00
115	0.50	0.48	0.38	0.29	0.18	0.08	0.00	0.04	0.20	0.35	0.53	0.66	0.78	1.05	0.82	0.49	0.24	0.04	0.00
120	0.44	0.43	0.34	0.23	0.12	0.00	0.00	0.00	0.07	0.29	0.48	0.60	0.70	0.87	0.72	0.42	0.18	0.00	0.00
125	0.41	0.40	0.31	0.20	0.09	0.00	0.00	0.00	0.06	0.25	0.45	0.56	0.65	0.77	0.66	0.38	0.15	0.00	0.00
130	0.34	0.35	0.27	0.18	0.07	0.00	0.00	0.00	0.04	0.22	0.39	0.49	0.56	0.62	0.55	0.33	0.11	0.00	0.00
135	0.31	0.32	0.25	0.16	0.06	0.00	0.00	0.00	0.04	0.20	0.36	0.44	0.51	0.54	0.48	0.30	0.10	0.00	0.00
140	0.25	0.26	0.21	0.13	0.05	0.00	0.00	0.00	0.03	0.16	0.31	0.37	0.42	0.43	0.38	0.24	0.08	0.00	0.00
145	0.21	0.23	0.17	0.12	0.04	0.00	0.00	0.00	0.03	0.14	0.27	0.33	0.37	0.37	0.31	0.20	0.08	0.00	0.00
150	0.16	0.18	0.13	0.08	0.04	0.00	0.00	0.00	0.03	0.12	0.23	0.26	0.30	0.28	0.24	0.15	0.07	0.00	0.00
155	0.13	0.15	0.11	0.07	0.04	0.00	0.00	0.00	0.03	0.11	0.20	0.22	0.25	0.24	0.19	0.12	0.05	0.00	0.00
160	0.10	0.12	0.08	0.05	0.03	0.00	0.00	0.00	0.02	0.08	0.14	0.16	0.18	0.17	0.13	0.08	0.04	0.00	0.00
165	0.08	0.09	0.07	0.05	0.03	0.01	0.00	0.01	0.02	0.06	0.12	0.13	0.14	0.13	0.10	0.07	0.04	0.00	0.00
170	0.07	0.07	0.05	0.04	0.03	0.03	0.03	0.04	0.02	0.04	0.08	0.08	0.09	0.09	0.06	0.03	0.02	0.03	0.03
175	0.06	0.07	0.05	0.03	0.04	0.04	0.03	0.04	0.03	0.04	0.07	0.05	0.06	0.06	0.04	0.03	0.03	0.04	0.04
180	0.07	0.06	0.05	0.04	0.04	0.05	0.04	0.06	0.04	0.05	0.06	0.06	0.07	0.05	0.05	0.05	0.05	0.05	0.05

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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-RGB-56-5050-1M-RGB	TYPE: /	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	79.9	79.9	79.9	79.9	79.9														
5	79.6	79.6	79.5	79.5	79.5														
10	78.3	78.2	78.1	78.1	78.1														
15	76.8	76.7	76.6	76.6	76.6														
20	73.8	73.6	73.5	73.5	73.6														
25	71.2	71.1	70.9	71.0	71.0														
30	66.8	66.6	66.4	66.4	66.5														
35	63.3	63.1	63.0	63.0	63.1														
40	57.7	57.4	57.3	57.3	57.4														
45	53.5	53.3	53.2	53.2	53.3														
50	47.1	46.8	46.6	46.7	46.7														
55	42.6	42.4	42.1	42.2	42.2														
60	35.6	35.3	35.0	35.0	35.1														
65	30.9	30.5	30.2	30.2	30.2														
70	23.7	23.3	22.9	22.8	22.8														
75	18.8	18.4	17.9	17.8	17.6														
80	11.4	11.1	10.4	10.2	9.90														
85	6.60	6.16	5.57	5.24	4.90														
90	0.90	0.68	0.48	0.40	0.34														
95	0.26	0.29	0.30	0.26	0.23														
100	0.13	0.15	0.17	0.16	0.15														
105	0.06	0.09	0.11	0.11	0.13														
110	0.00	0.02	0.04	0.06	0.10														
115	0.00	0.00	0.00	0.05	0.09														
120	0.00	0.00	0.00	0.05	0.10														
125	0.00	0.00	0.00	0.06	0.08														
130	0.00	0.00	0.00	0.08	0.08														
135	0.00	0.00	0.00	0.08	0.08														
140	0.00	0.00	0.02	0.09	0.09														
145	0.00	0.00	0.02	0.10	0.10														
150	0.00	0.00	0.02	0.08	0.09														
155	0.00	0.00	0.02	0.08	0.09														
160	0.00	0.00	0.03	0.07	0.08														
165	0.00	0.00	0.03	0.06	0.06														
170	0.03	0.03	0.03	0.05	0.05														
175	0.03	0.03	0.04	0.05	0.05														
180	0.04	0.04	0.05	0.06	0.05														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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: