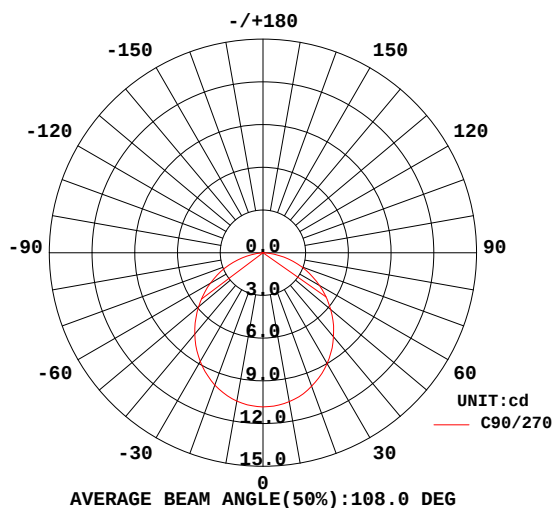


LUMINAIRE PHOTOMETRIC TEST REPORT

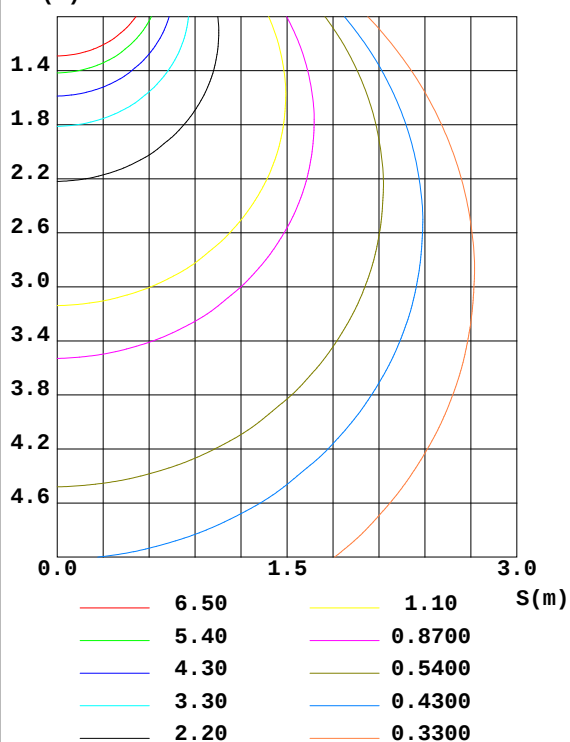
NAME: C-SFR-F15S-HB-D24CC-RGB-56-5050-1M-B	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.: 11.5*1000mm
	PROTECTION ANGLE: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 6.28 lm/W
MODEL	5050	I _{max} (cd)	10.84	S/MH(C0/180)	1.23	
NOMINAL POWER(W)	4.75	LOR(%)	119.3	S/MH(C90/270)	1.22	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	29.820	η UP, DN(C0-180)	0.0, 58.4	
NOMINAL FLUX(lm)	25	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 60.8	
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	119.3	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	10.58	10.55	10.58	10.66	10.67	10.67	10.62	10.60	0- 10	1.023	1.023	3.43, 4.09
20	9.906	9.859	9.892	10.05	10.11	10.11	9.981	9.937	10- 20	2.920	3.943	13.2, 15.8
30	8.917	8.810	8.820	9.074	9.188	9.191	8.998	8.935	20- 30	4.390	8.333	27.9, 33.3
40	7.615	7.462	7.450	7.784	7.945	7.963	7.707	7.632	30- 40	5.239	13.57	45.5, 54.3
50	6.099	5.911	5.906	6.266	6.467	6.489	6.209	6.129	40- 50	5.372	18.94	63.5, 75.8
60	4.438	4.258	4.253	4.612	4.824	4.861	4.570	4.470	50- 60	4.803	23.75	79.6, 95
70	2.701	2.549	2.554	2.925	3.097	3.152	2.885	2.759	60- 70	3.648	27.39	91.9, 110
80	0.9075	0.8055	0.8161	1.154	1.304	1.391	1.168	0.9921	70- 80	2.052	29.45	98.7, 118
90	0	0	0	0	0	0.0001	0	0	80- 90	0.3733	29.82	100, 119
100	0	0	0	0	0	0	0	0	90-100	0.0000	29.82	100, 119
110	0	0	0	0	0	0	0	0	100-110	0	29.82	100, 119
120	0	0	0	0	0	0	0	0	110-120	0	29.82	100, 119
130	0	0	0	0	0	0	0	0	120-130	0	29.82	100, 119
140	0	0	0	0	0	0	0	0	130-140	0	29.82	100, 119
150	0	0	0	0	0	0	0	0	140-150	0	29.82	100, 119
160	0	0	0	0	0	0	0	0	150-160	0	29.82	100, 119
170	0	0	0	0	0	0	0	0	160-170	0	29.82	100, 119
180	0	0	0	0	0	0	0	0	170-180	0	29.82	100, 119
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

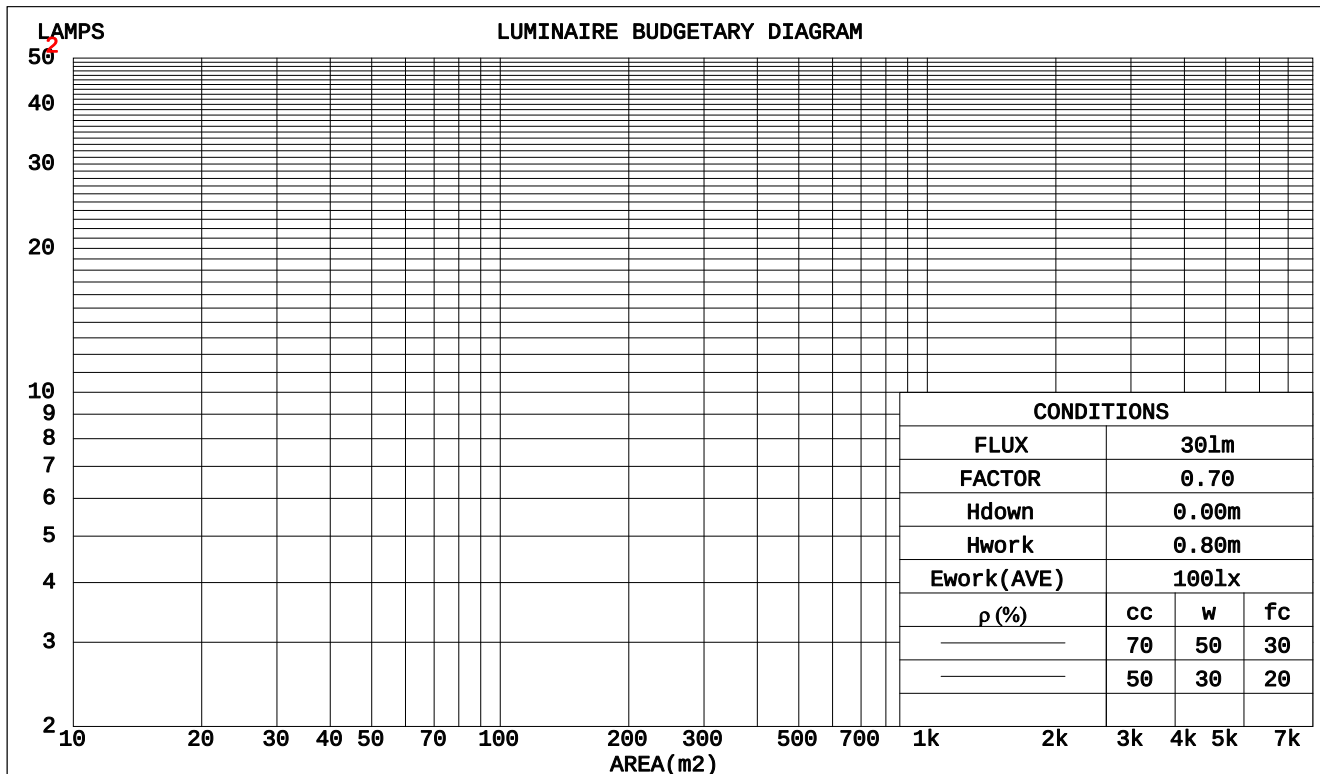
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-31

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-BTYPE:/	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	1.42	1.42	1.42	1.39	1.39	1.39	1.33	1.33	1.33	1.27	1.27	1.27	1.22	1.22	1.22	1.19
1.0	1.24	1.19	1.15	1.22	1.17	1.13	1.17	1.13	1.09	1.12	1.09	1.06	1.08	1.05	1.03	1.00
2.0	1.08	1.00	.94	1.06	.99	.93	1.02	.96	.90	.98	.93	.88	.94	.90	.86	.84
3.0	.95	.86	.78	.93	.84	.77	.90	.82	.76	.87	.80	.74	.83	.78	.73	.71
4.0	.84	.74	.66	.83	.73	.66	.80	.71	.65	.77	.70	.64	.74	.68	.63	.60
5.0	.75	.65	.57	.74	.64	.57	.72	.63	.56	.69	.61	.55	.67	.60	.55	.52
6.0	.68	.57	.50	.67	.57	.49	.65	.56	.49	.63	.55	.48	.61	.54	.48	.46
7.0	.62	.51	.44	.61	.51	.44	.59	.50	.43	.57	.49	.43	.55	.48	.43	.40
8.0	.56	.46	.39	.55	.46	.39	.54	.45	.39	.52	.44	.38	.51	.44	.38	.36
9.0	.52	.42	.35	.51	.42	.35	.50	.41	.35	.48	.40	.35	.47	.40	.35	.32
10.0	.48	.38	.32	.47	.38	.32	.46	.37	.32	.45	.37	.32	.44	.37	.31	.29



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-BTYPE:/	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	.360	.205	.065	.352	.201	.064	.336	.193	.062	.321	.185	.059	.308	.179	.058		
2.0	.342	.188	.058	.335	.184	.057	.321	.179	.055	.308	.173	.054	.296	.168	.053		
3.0	.318	.169	.051	.312	.167	.050	.299	.162	.049	.288	.158	.048	.277	.154	.048		
4.0	.294	.153	.045	.289	.151	.045	.278	.147	.044	.268	.144	.043	.258	.140	.043		
5.0	.273	.139	.040	.267	.137	.040	.258	.134	.040	.249	.131	.039	.240	.128	.039		
6.0	.253	.127	.036	.248	.125	.036	.240	.123	.036	.232	.120	.035	.224	.118	.035		
7.0	.236	.117	.033	.232	.115	.033	.224	.113	.033	.217	.111	.032	.210	.109	.032		
8.0	.220	.108	.030	.217	.107	.030	.210	.105	.030	.203	.103	.030	.197	.101	.029		
9.0	.206	.100	.028	.203	.099	.028	.197	.097	.028	.191	.096	.027	.186	.094	.027		
10.0	.194	.093	.026	.191	.092	.026	.186	.091	.026	.180	.090	.025	.175	.088	.025		

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	.227	.227	.227	.194	.194	.194	.133	.133	.133	.076	.076	.076	.024	.024	.024	
1.0	.214	.186	.161	.183	.160	.139	.125	.110	.096	.072	.064	.056	.023	.020	.018	
2.0	.205	.157	.118	.175	.135	.102	.120	.094	.071	.069	.055	.042	.022	.018	.014	
3.0	.195	.136	.089	.168	.118	.077	.115	.082	.054	.066	.048	.032	.021	.015	.010	
4.0	.186	.120	.070	.160	.104	.061	.110	.072	.043	.064	.042	.025	.020	.014	.008	
5.0	.178	.108	.057	.152	.093	.049	.105	.065	.035	.061	.038	.021	.020	.013	.007	
6.0	.169	.098	.047	.145	.085	.041	.100	.059	.029	.058	.035	.017	.019	.011	.006	
7.0	.161	.090	.040	.138	.078	.035	.096	.055	.025	.056	.032	.015	.018	.011	.005	
8.0	.153	.083	.034	.132	.072	.030	.091	.050	.021	.053	.030	.013	.017	.010	.004	
9.0	.146	.077	.030	.126	.067	.026	.087	.047	.019	.051	.028	.011	.016	.009	.004	
10.0	.139	.072	.027	.120	.062	.023	.083	.044	.017	.049	.026	.010	.016	.009	.003	

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-BTYPE:/						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	11.9	13.4	12.2	13.6	13.8	11.7	13.2	12.0	13.4	13.6	
	3H	13.4	14.8	13.7	15.0	15.2	13.1	14.5	13.4	14.8	15.0
	4H	13.9	15.2	14.2	15.5	15.7	13.6	15.0	13.9	15.2	15.5
	6H	14.2	15.5	14.5	15.7	16.0	13.9	15.1	14.2	15.4	15.7
	8H	14.2	15.4	14.6	15.7	16.0	13.9	15.1	14.2	15.4	15.7
	12H	14.2	15.3	14.5	15.6	15.9	13.8	15.0	14.2	15.3	15.6
4H	2H	12.5	13.8	12.8	14.1	14.3	12.3	13.6	12.6	13.9	14.2
	3H	14.1	15.3	14.4	15.5	15.9	13.9	15.0	14.2	15.3	15.6
	4H	14.7	15.8	15.1	16.1	16.4	14.5	15.5	14.9	15.9	16.2
	6H	15.1	16.1	15.5	16.4	16.8	14.8	15.8	15.2	16.1	16.5
	8H	15.2	16.0	15.6	16.4	16.8	14.9	15.7	15.3	16.1	16.5
	12H	15.1	15.9	15.6	16.3	16.7	14.8	15.6	15.2	16.0	16.4
8H	4H	14.9	15.8	15.3	16.2	16.5	14.7	15.6	15.1	15.9	16.3
	6H	15.4	16.1	15.8	16.5	17.0	15.1	15.9	15.6	16.3	16.7
	8H	15.5	16.1	15.9	16.5	17.0	15.2	15.8	15.6	16.2	16.7
	12H	15.4	16.0	15.9	16.4	16.9	15.1	15.7	15.6	16.1	16.6
12H	4H	14.9	15.7	15.3	16.1	16.5	14.7	15.5	15.1	15.9	16.3
	6H	15.4	16.0	15.9	16.5	16.9	15.1	15.8	15.6	16.2	16.6
	8H	15.5	16.0	15.9	16.5	16.9	15.2	15.7	15.7	16.2	16.6
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.3					+ 0.1 / - 0.3					
2.0H	+ 0.3 / - 0.3					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 25.00 lm Total Lamp Luminous Flux.(8log(F/F0) = -12.8)

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-B	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

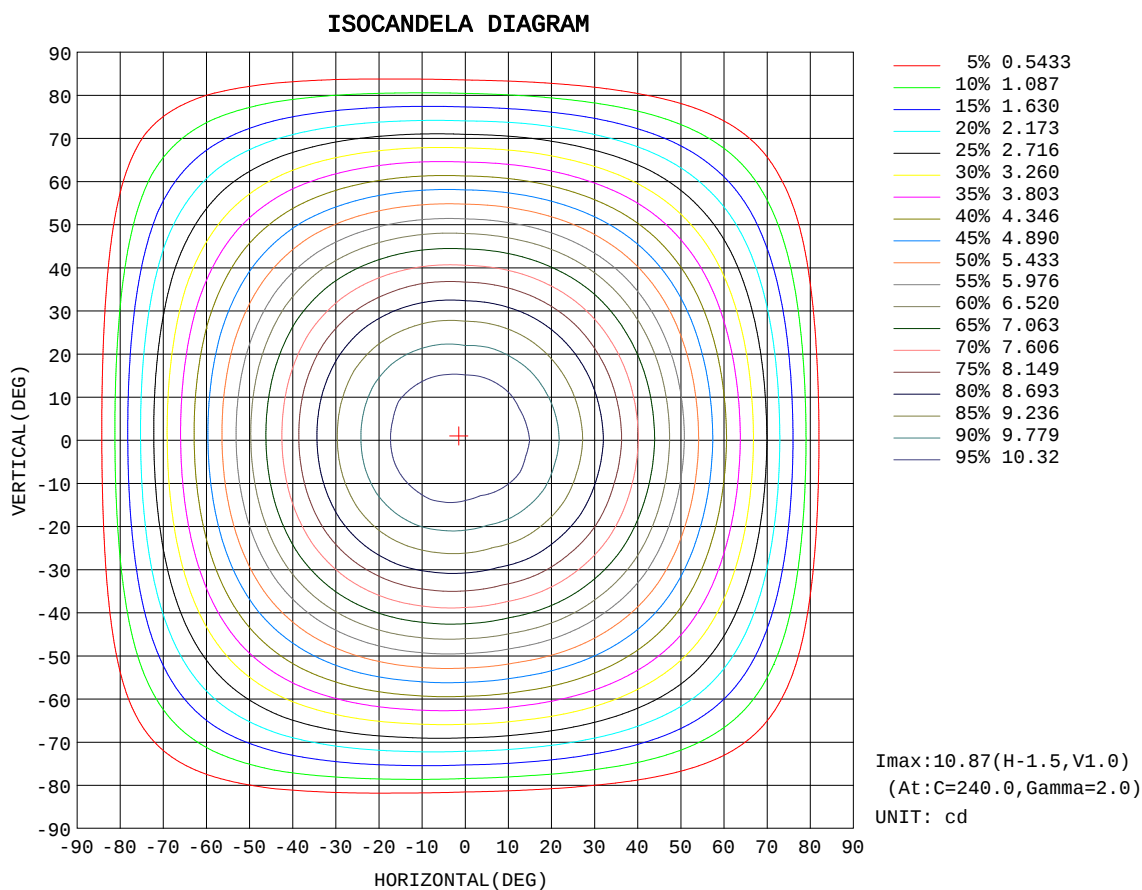
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	69	55	47	68	55	47	67	55	47	39
0.80	81	67	59	80	67	59	78	66	58	50
1.00	91	78	69	90	77	69	87	79	69	60
1.25	100	87	79	98	86	78	95	85	77	69
1.50	106	94	86	104	93	85	100	91	84	75
2.00	114	104	96	112	102	95	107	100	93	84
2.50	118	109	102	116	108	101	111	105	99	89
3.00	122	114	108	120	113	107	115	109	104	94
4.00	127	121	115	124	118	113	119	114	110	100
5.00	130	124	120	127	122	118	122	118	114	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: 2018-08-31

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-BTYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.: SERIAL No.:
MFR.:	SUR.: 11.5*1000mm PROTECTION ANGLE: /

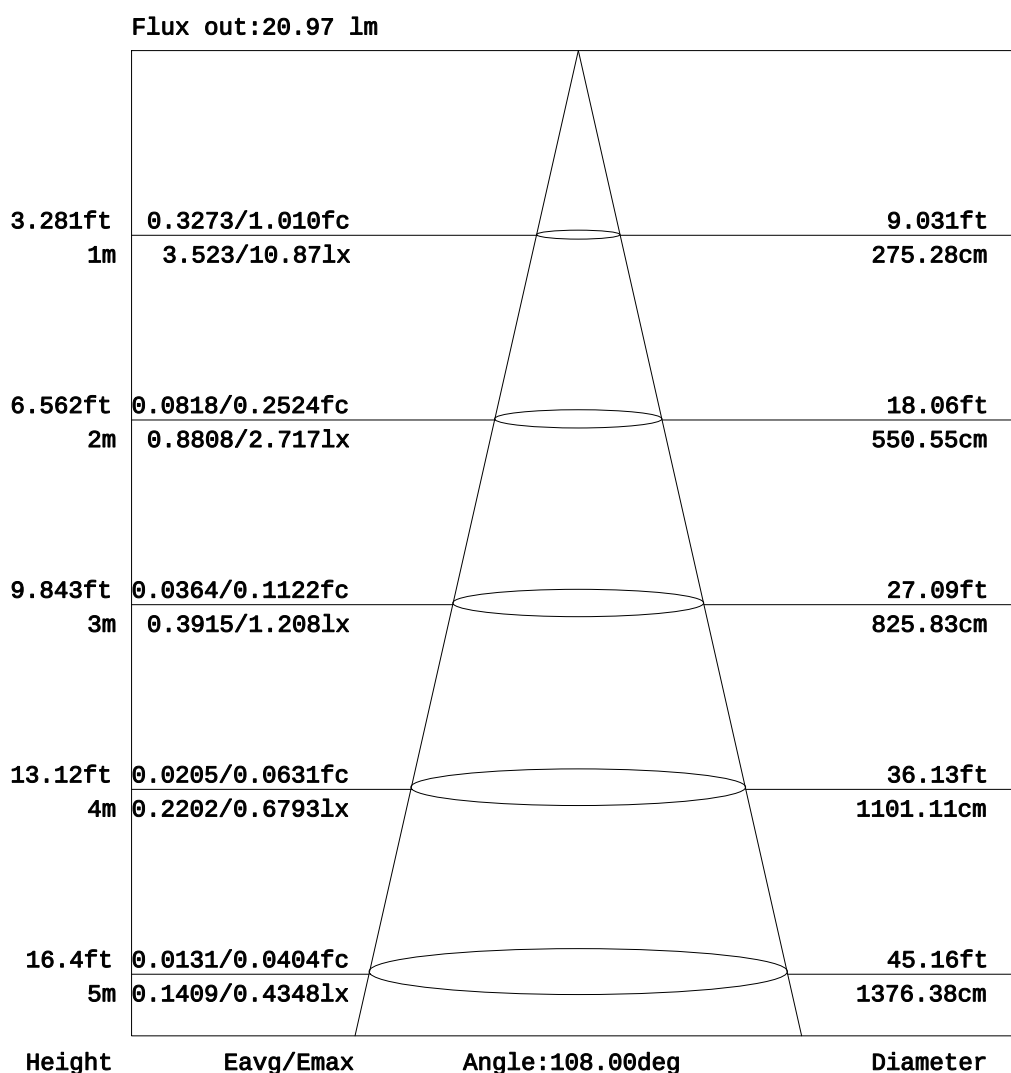


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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-B	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /



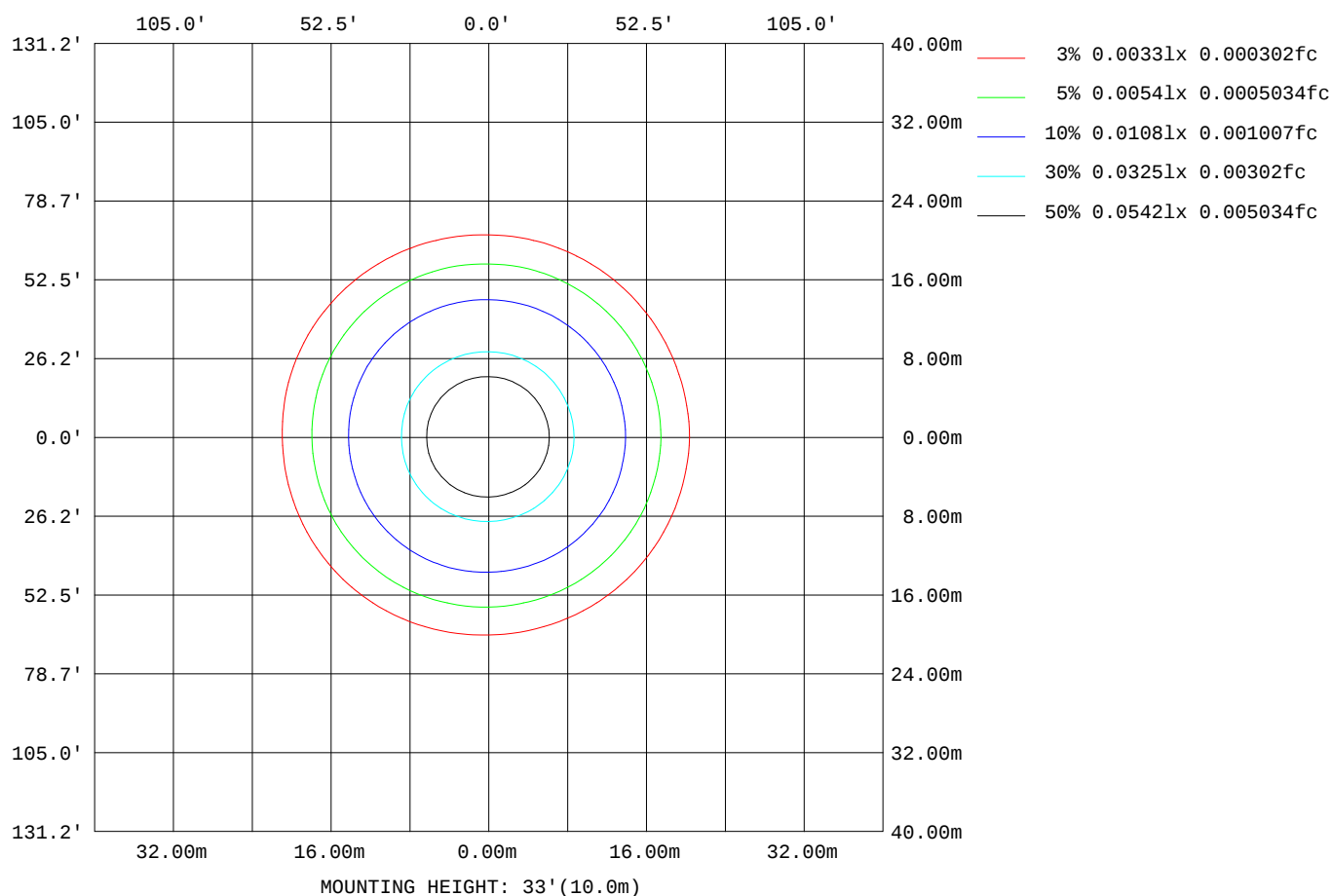
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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 G0-2000A_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-B	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 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-BTYPE:/	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	25	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	801	794	787	781	775	772	770	767	768	772	781	792	806	820	833	842	848	853	858
60	772	763	756	749	743	739	737	735	735	740	749	763	779	795	809	821	828	833	839
65	737	727	718	711	704	701	699	697	697	703	713	729	748	768	784	795	803	810	817
70	687	675	665	658	651	645	640	641	643	649	663	683	707	732	751	762	770	777	787
75	607	593	582	573	565	558	554	555	559	566	586	613	642	670	692	708	718	730	746
80	454	435	420	411	406	398	389	390	396	409	437	475	518	560	590	608	624	636	653
85	74	65	59	55	47	38	32	29	34	49	74	106	151	228	287	317	339	366	408

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	858	200	---	500
Category 2	65 to 90	817	200	---	500
Category 3	75 to 90	746	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 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-BTYPE:/	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	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
5	10.8	10.8	10.7	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8	10.8
10	10.6	10.6	10.5	10.6	10.6	10.6	10.6	10.6	10.6	10.7	10.7	10.7	10.8	10.8	10.7	10.7	10.7	10.7	10.6
15	10.4	10.4	10.3	10.3	10.3	10.3	10.4	10.4	10.4	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.5	10.4
20	9.91	9.90	9.87	9.86	9.86	9.86	9.89	9.92	9.99	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1	9.98
25	9.56	9.53	9.49	9.48	9.48	9.45	9.49	9.55	9.63	9.71	9.76	9.78	9.78	9.81	9.80	9.80	9.76	9.72	9.63
30	8.92	8.88	8.83	8.81	8.81	8.78	8.82	8.87	8.98	9.07	9.15	9.18	9.19	9.23	9.21	9.19	9.14	9.10	9.00
35	8.43	8.39	8.33	8.29	8.29	8.26	8.30	8.37	8.49	8.60	8.68	8.71	8.73	8.77	8.75	8.73	8.68	8.62	8.50
40	7.61	7.57	7.50	7.46	7.44	7.42	7.45	7.53	7.65	7.78	7.88	7.92	7.94	8.01	7.98	7.96	7.88	7.83	7.71
45	7.04	6.98	6.92	6.86	6.84	6.83	6.87	6.94	7.07	7.20	7.30	7.35	7.38	7.44	7.42	7.39	7.31	7.24	7.14
50	6.10	6.03	5.98	5.91	5.89	5.87	5.91	6.00	6.13	6.27	6.38	6.42	6.47	6.54	6.54	6.49	6.41	6.32	6.21
55	5.45	5.38	5.32	5.26	5.25	5.22	5.26	5.35	5.48	5.61	5.72	5.78	5.83	5.89	5.88	5.84	5.77	5.67	5.57
60	4.44	4.37	4.31	4.26	4.24	4.22	4.25	4.34	4.48	4.61	4.72	4.78	4.82	4.90	4.89	4.86	4.76	4.68	4.57
65	3.76	3.68	3.63	3.59	3.57	3.55	3.58	3.67	3.81	3.94	4.04	4.10	4.14	4.23	4.22	4.17	4.09	4.00	3.90
70	2.70	2.63	2.59	2.55	2.52	2.53	2.55	2.64	2.78	2.93	3.00	3.04	3.10	3.20	3.19	3.15	3.08	2.99	2.88
75	1.99	1.93	1.88	1.84	1.82	1.83	1.86	1.95	2.08	2.21	2.29	2.33	2.40	2.49	2.49	2.44	2.36	2.27	2.19
80	0.91	0.85	0.82	0.81	0.78	0.79	0.82	0.91	1.03	1.15	1.21	1.26	1.30	1.42	1.42	1.39	1.33	1.24	1.17
85	0.19	0.16	0.15	0.13	0.10	0.10	0.14	0.22	0.33	0.45	0.50	0.54	0.59	0.71	0.71	0.69	0.63	0.54	0.47
90	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
95	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
100	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
105	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
110	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
115	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
120	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
125	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
130	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
135	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
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:2018-08-31

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-BTYPE:/	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	10.8	10.8	10.8	10.8	10.8														
5	10.8	10.8	10.8	10.8	10.8														
10	10.6	10.6	10.6	10.6	10.6														
15	10.4	10.4	10.4	10.3	10.4														
20	9.96	9.93	9.94	9.93	9.92														
25	9.59	9.57	9.57	9.55	9.56														
30	8.97	8.94	8.94	8.91	8.92														
35	8.48	8.45	8.44	8.43	8.42														
40	7.67	7.64	7.63	7.62	7.62														
45	7.09	7.06	7.06	7.04	7.05														
50	6.17	6.14	6.13	6.11	6.11														
55	5.52	5.50	5.48	5.45	5.45														
60	4.54	4.49	4.47	4.44	4.44														
65	3.86	3.81	3.79	3.75	3.74														
70	2.84	2.79	2.76	2.70	2.68														
75	2.16	2.09	2.04	1.99	1.97														
80	1.11	1.05	0.99	0.92	0.87														
85	0.42	0.37	0.28	0.22	0.16														
90	0.00	0.00	0.00	0.00	0.00														
95	0.00	0.00	0.00	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:2018-08-31

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: