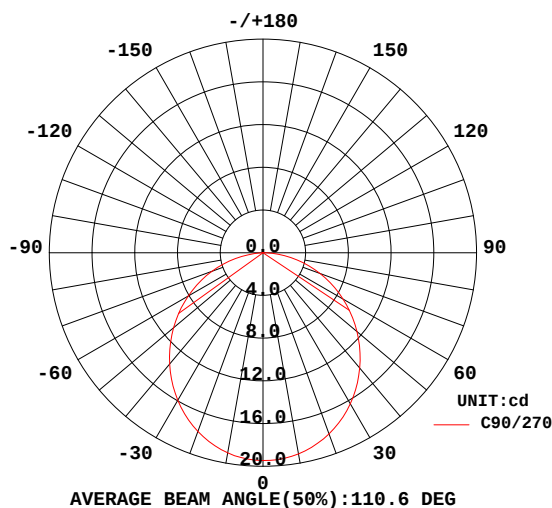


LUMINAIRE PHOTOMETRIC TEST REPORT

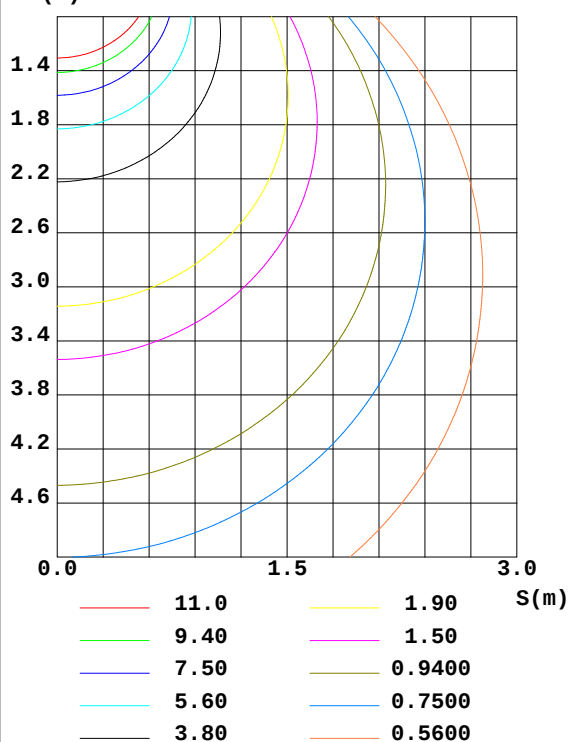
NAME: C-SFR-F15S-HB-D24CC-RGB-56-5050-1M-R	WEIGHT:0.325kg/m
DIM.: 11.5*21mm	SPEC.:
MFR.:	SUR.:11.5*1000mm
	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA Eff: 11.71 lm/W			
MODEL	5050	I _{max} (cd)	19.47	S/MH(C0/180)	1.24
NOMINAL POWER(W)	4.75	LOR(%)	111.2	S/MH(C90/270)	1.23
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	55.612	η UP, DN(C0-180)	0.0, 54.5
NOMINAL FLUX(lm)	50	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.0, 56.7
LAMPS INSIDE	1	η up(%)	0.0	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	111.2	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	19.05	18.96	19.02	19.14	19.19	19.20	19.12	19.04	0- 10	1.840	1.840	3.31, 3.68
20	17.93	17.76	17.82	18.09	18.21	18.24	18.05	17.93	10- 20	5.257	7.096	12.8, 14.2
30	16.19	15.91	15.95	16.39	16.59	16.64	16.34	16.18	20- 30	7.931	15.03	27, 30.1
40	13.91	13.57	13.60	14.16	14.44	14.50	14.09	13.92	30- 40	9.513	24.54	44.1, 49.1
50	11.26	10.88	10.94	11.53	11.87	11.93	11.48	11.28	40- 50	9.836	34.38	61.8, 68.8
60	8.365	8.007	8.078	8.696	9.016	9.106	8.645	8.401	50- 60	8.937	43.31	77.9, 86.6
70	5.313	4.995	5.099	5.712	5.999	6.122	5.702	5.382	60- 70	6.983	50.30	90.4, 101
80	2.125	1.893	2.025	2.615	2.819	3.009	2.661	2.269	70- 80	4.211	54.51	98, 109
90	0	0	0.0000	0	0	0.1568	0	0.0001	80- 90	1.101	55.61	100, 111
100	0	0	0	0	0	0	0	0	90-100	0.0029	55.61	100, 111
110	0	0	0	0	0	0	0	0	100-110	0	55.61	100, 111
120	0	0	0	0	0	0	0	0	110-120	0	55.61	100, 111
130	0	0	0	0	0	0	0	0	120-130	0	55.61	100, 111
140	0	0	0	0	0	0	0	0	130-140	0	55.61	100, 111
150	0	0	0	0	0	0	0	0	140-150	0	55.61	100, 111
160	0	0	0	0	0	0	0	0	150-160	0	55.61	100, 111
170	0	0	0	0	0	0	0	0	160-170	0	55.61	100, 111
180	0	0	0	0	0	0	0	0	170-180	0	55.61	100, 111
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

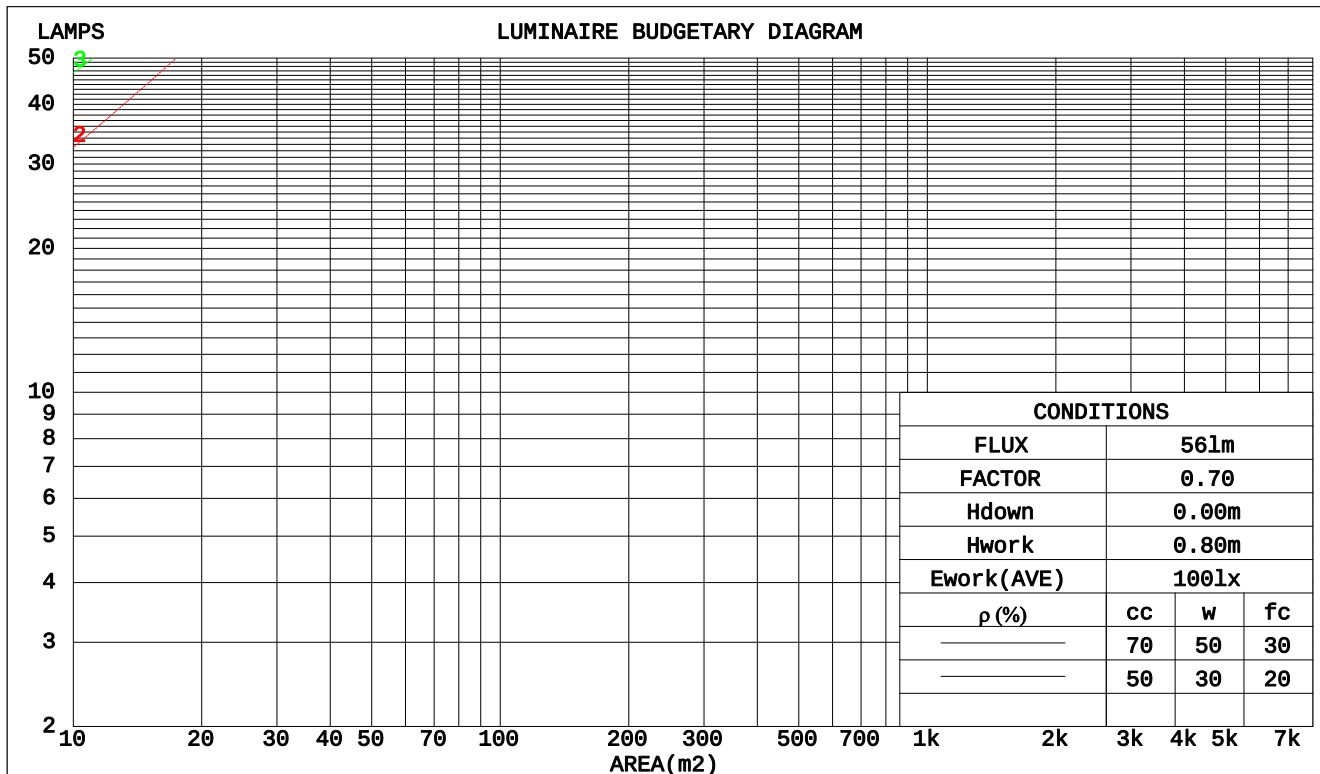
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-31

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-RTYPE:/	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						Coefficients of Utilization(CU)									
0.0	1.32	1.32	1.32	1.29	1.29	1.29	1.24	1.24	1.24	1.18	1.18	1.18	1.13	1.13	1.13	1.11
1.0	1.15	1.10	1.06	1.13	1.08	1.04	1.08	1.04	1.01	1.04	1.01	.98	.00	.97	.95	.93
2.0	1.00	.92	.86	.98	.91	.85	.94	.88	.83	.90	.85	.81	.87	.83	.79	.77
3.0	.88	.79	.71	.86	.78	.71	.83	.75	.69	.80	.73	.68	.77	.71	.67	.64
4.0	.78	.68	.60	.76	.67	.60	.73	.65	.59	.71	.64	.58	.68	.62	.57	.55
5.0	.69	.59	.52	.68	.59	.52	.66	.57	.51	.64	.56	.50	.61	.55	.50	.47
6.0	.62	.52	.45	.61	.52	.45	.59	.51	.45	.57	.50	.44	.56	.49	.44	.41
7.0	.57	.47	.40	.56	.46	.40	.54	.46	.39	.52	.45	.39	.51	.44	.39	.37
8.0	.52	.42	.36	.51	.42	.35	.49	.41	.35	.48	.40	.35	.47	.40	.35	.33
9.0	.47	.38	.32	.47	.38	.32	.45	.37	.32	.44	.37	.32	.43	.36	.31	.29
10.0	.44	.35	.29	.43	.35	.29	.42	.34	.29	.41	.34	.29	.40	.33	.28	.27



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-R	TYPE: /	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	.349	.199	.063	.341	.195	.062	.327	.187	.060	.313	.181	.058	.301	.174	.056		
2.0	.328	.180	.055	.321	.177	.054	.308	.171	.053	.296	.166	.052	.285	.161	.051		
3.0	.303	.161	.048	.297	.159	.048	.285	.155	.047	.275	.150	.046	.265	.147	.045		
4.0	.279	.145	.043	.274	.143	.042	.263	.140	.042	.254	.136	.041	.245	.133	.041		
5.0	.258	.131	.038	.253	.130	.038	.244	.127	.037	.235	.124	.037	.227	.122	.037		
6.0	.239	.120	.034	.234	.118	.034	.226	.116	.034	.219	.114	.033	.212	.111	.033		
7.0	.222	.110	.031	.218	.109	.031	.211	.107	.031	.204	.105	.030	.198	.103	.030		
8.0	.207	.101	.028	.204	.100	.028	.197	.099	.028	.191	.097	.028	.186	.095	.028		
9.0	.194	.094	.026	.191	.093	.026	.185	.092	.026	.180	.090	.026	.175	.089	.026		
10.0	.182	.087	.024	.180	.087	.024	.174	.085	.024	.170	.084	.024	.165	.083	.024		

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	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.201	.174	.149	.172	.149	.128	.118	.103	.089	.068	.059	.052	.022	.019	.017	
2.0	.192	.147	.109	.165	.126	.094	.113	.087	.065	.065	.051	.038	.021	.016	.013	
3.0	.184	.127	.082	.157	.110	.071	.108	.076	.050	.062	.045	.030	.020	.014	.010	
4.0	.175	.112	.065	.150	.097	.056	.103	.068	.040	.060	.040	.023	.019	.013	.008	
5.0	.167	.101	.052	.143	.087	.045	.099	.061	.032	.057	.036	.019	.018	.012	.006	
6.0	.159	.092	.043	.136	.079	.038	.094	.056	.027	.055	.033	.016	.018	.011	.005	
7.0	.151	.084	.037	.130	.073	.032	.090	.051	.023	.052	.030	.014	.017	.010	.004	
8.0	.144	.077	.032	.124	.067	.028	.086	.047	.020	.050	.028	.012	.016	.009	.004	
9.0	.137	.072	.028	.118	.062	.024	.082	.044	.017	.048	.026	.010	.015	.009	.003	
10.0	.131	.067	.025	.113	.058	.022	.078	.041	.015	.046	.024	.009	.015	.008	.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-RTYPE:/						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		13.9	15.4	14.2	15.7	15.9	13.9	15.4	14.2	15.6	15.9
3H		15.5	16.9	15.8	17.1	17.4	15.4	16.9	15.7	17.1	17.3
4H		16.1	17.4	16.4	17.7	17.9	16.1	17.4	16.4	17.7	17.9
6H		16.5	17.8	16.8	18.0	18.3	16.5	17.7	16.8	18.0	18.3
8H		16.6	17.8	16.9	18.1	18.4	16.5	17.8	16.9	18.1	18.4
12H		16.6	17.8	16.9	18.1	18.4	16.6	17.7	16.9	18.0	18.3
4H 2H		14.5	15.9	14.8	16.1	16.4	14.5	15.9	14.8	16.1	16.4
3H		16.2	17.4	16.6	17.7	18.0	16.2	17.4	16.6	17.7	18.0
4H		17.0	18.1	17.3	18.4	18.7	16.9	18.0	17.3	18.3	18.7
6H		17.5	18.4	17.9	18.8	19.2	17.5	18.4	17.9	18.8	19.1
8H		17.6	18.5	18.0	18.9	19.3	17.6	18.5	18.0	18.8	19.2
12H		17.6	18.5	18.1	18.9	19.3	17.6	18.4	18.0	18.8	19.2
8H 4H		17.2	18.1	17.6	18.5	18.9	17.2	18.1	17.6	18.4	18.8
6H		17.8	18.6	18.3	19.0	19.4	17.8	18.6	18.3	19.0	19.4
8H		18.0	18.7	18.5	19.1	19.6	18.0	18.6	18.4	19.1	19.5
12H		18.1	18.6	18.6	19.1	19.6	18.0	18.6	18.5	19.1	19.5
12H 4H		17.2	18.0	17.6	18.4	18.8	17.2	18.0	17.6	18.4	18.8
6H		17.9	18.5	18.3	19.0	19.4	17.8	18.5	18.3	18.9	19.4
8H		18.1	18.6	18.6	19.1	19.6	18.0	18.6	18.5	19.1	19.5
Variations with the observer position at spacings:											
S = 1.0H		+ 0.2 / - 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 50.00 lm Total Lamp Luminous Flux.(8log(F/F0) = -10.4)

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

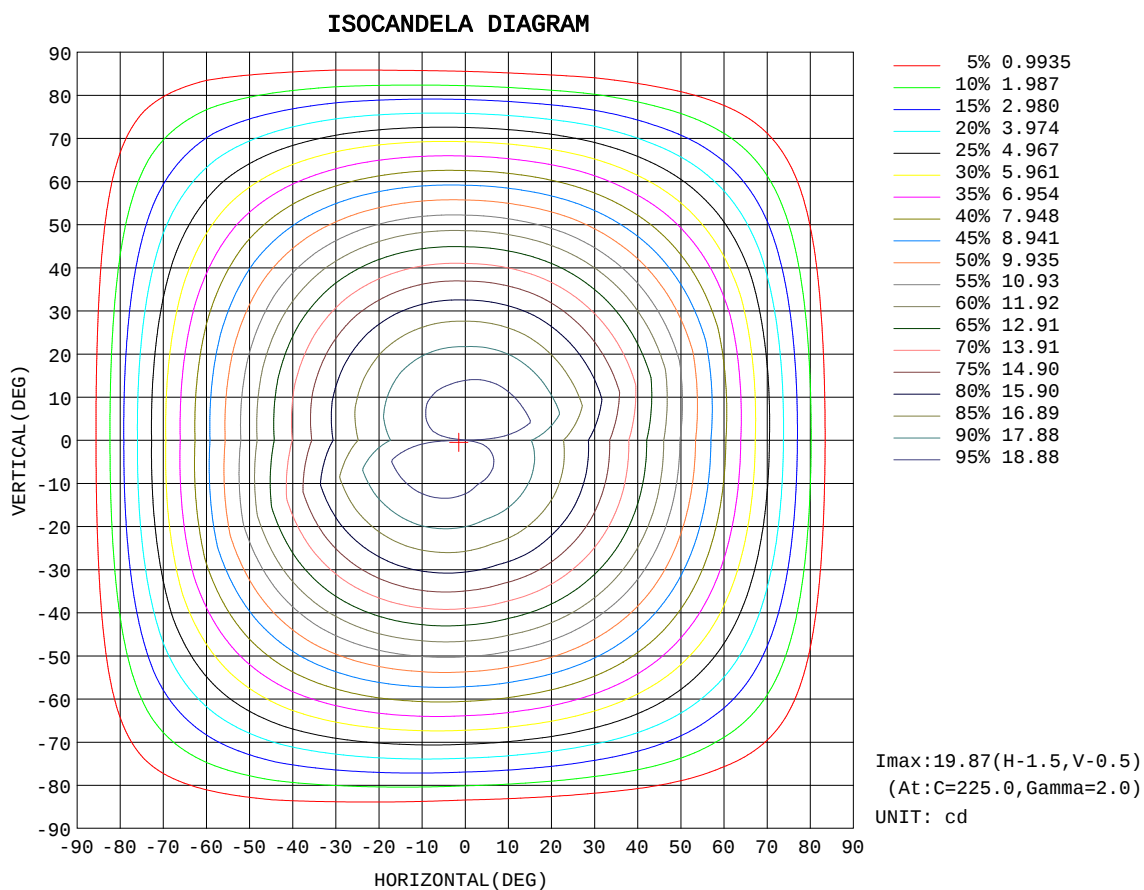
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	64	51	43	63	51	43	62	50	43	35
0.80	75	62	54	74	61	53	72	60	53	45
1.00	84	72	63	83	71	63	80	73	63	55
1.25	92	80	72	90	79	72	87	78	71	63
1.50	98	86	79	96	85	78	92	83	77	68
2.00	105	96	88	103	94	87	99	92	86	77
2.50	110	101	94	107	99	93	103	96	91	82
3.00	113	106	99	111	104	98	106	101	96	86
4.00	118	112	106	115	110	105	111	106	102	92
5.00	121	115	111	118	113	109	113	109	106	95
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 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-RGB-56-5050-1M-R	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

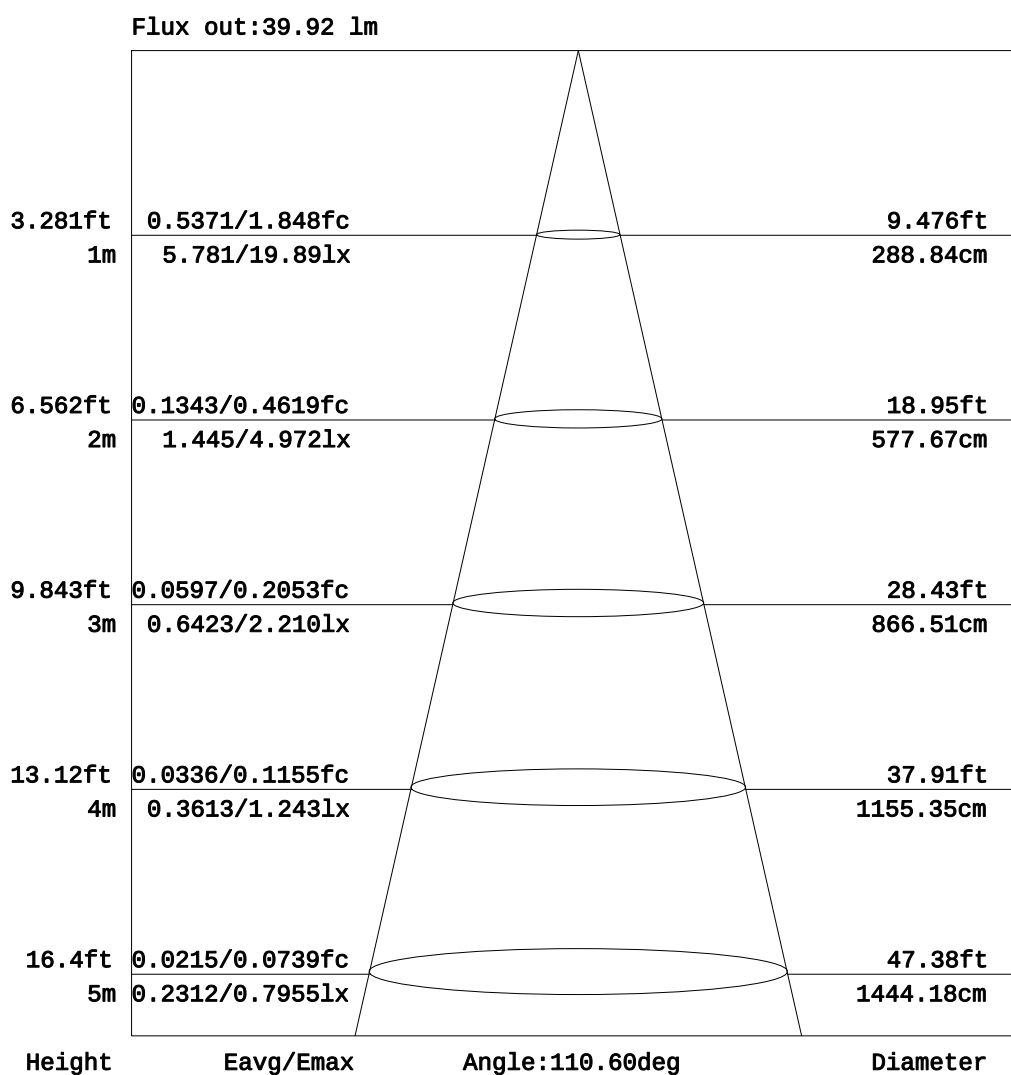


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-31

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



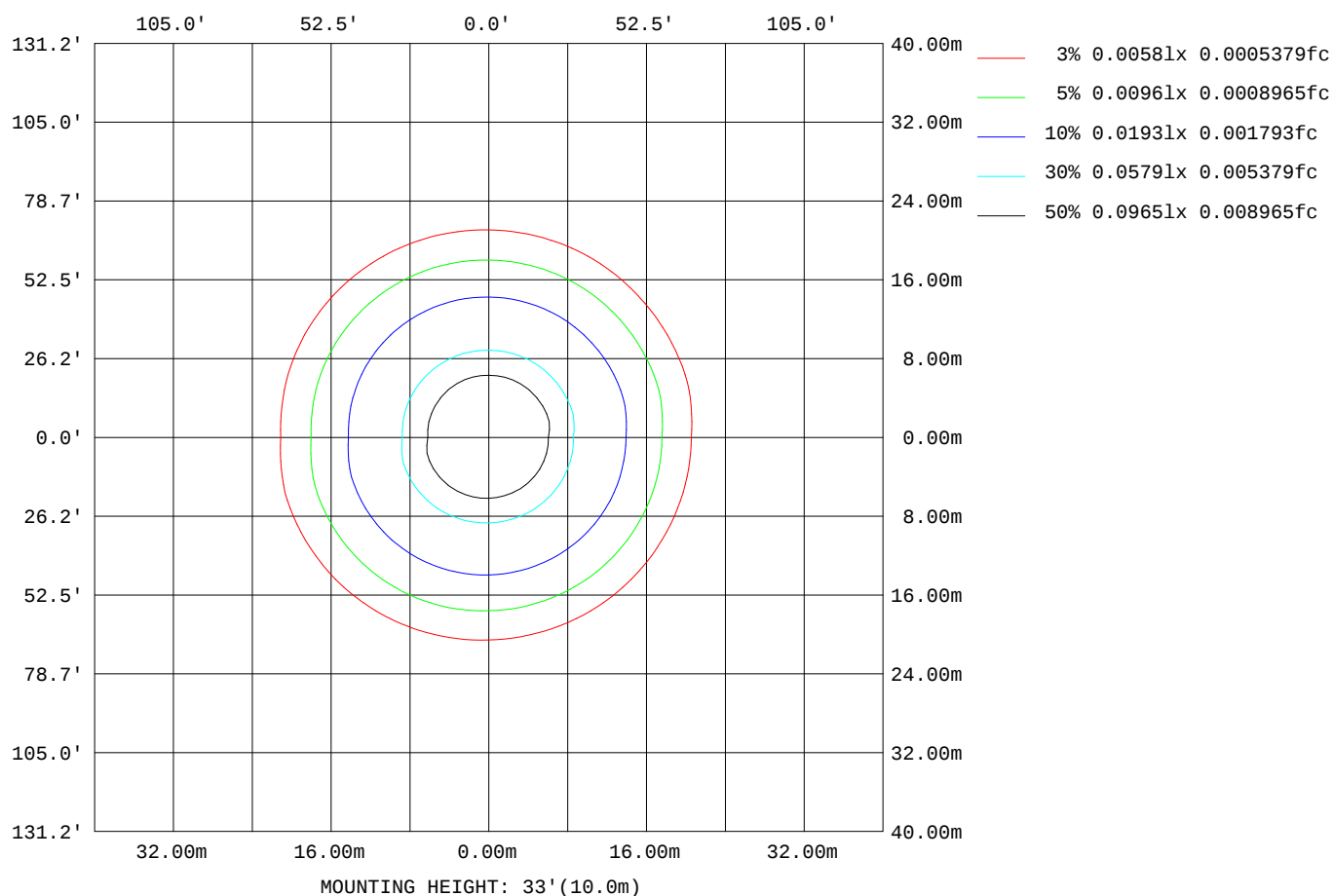
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-R	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-R	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	50	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	1491	1476	1462	1450	1439	1432	1431	1430	1435	1444	1459	1479	1502	1527	1548	1563	1574	1582	1590
60	1455	1437	1421	1407	1396	1390	1387	1387	1393	1405	1423	1446	1473	1500	1523	1540	1554	1561	1568
65	1413	1391	1371	1353	1343	1338	1336	1338	1345	1358	1381	1408	1438	1471	1498	1517	1532	1540	1549
70	1351	1326	1301	1280	1272	1267	1265	1269	1279	1296	1325	1358	1395	1434	1466	1489	1505	1515	1525
75	1254	1224	1193	1166	1158	1153	1150	1159	1174	1198	1236	1280	1327	1379	1419	1444	1463	1474	1487
80	1064	1026	983	944	944	944	938	953	978	1014	1071	1134	1198	1276	1330	1358	1382	1395	1412
85	541	519	469	418	443	462	464	482	510	558	656	762	869	1002	1092	1134	1177	1193	1210

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	1590	200	---	500
Category 2	65 to 90	1549	200	---	500
Category 3	75 to 90	1487	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-R	TYPE: /	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	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5	19.5
5	19.4	19.4	19.4	19.3	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4	19.4
10	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.1	19.1	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.2	19.1
15	18.7	18.6	18.6	18.6	18.6	18.6	18.6	18.7	18.7	18.8	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.9	18.8
20	17.9	17.9	17.8	17.8	17.8	17.7	17.8	17.9	18.0	18.1	18.2	18.2	18.2	18.3	18.3	18.2	18.2	18.2	18.1
25	17.3	17.2	17.2	17.1	17.1	17.1	17.1	17.2	17.3	17.5	17.6	17.6	17.6	17.7	17.7	17.7	17.6	17.6	17.4
30	16.2	16.1	16.0	15.9	15.9	15.9	16.0	16.1	16.2	16.4	16.5	16.6	16.6	16.7	16.7	16.6	16.6	16.5	16.3
35	15.3	15.2	15.1	15.0	15.0	15.0	15.1	15.2	15.4	15.5	15.7	15.8	15.8	15.9	15.9	15.8	15.8	15.7	15.5
40	13.9	13.8	13.7	13.6	13.5	13.5	13.6	13.8	13.9	14.2	14.3	14.4	14.4	14.5	14.5	14.5	14.4	14.3	14.1
45	12.9	12.7	12.6	12.5	12.5	12.5	12.6	12.7	12.9	13.1	13.3	13.4	13.5	13.6	13.6	13.5	13.4	13.3	13.1
50	11.3	11.1	11.0	10.9	10.9	10.9	10.9	11.1	11.3	11.5	11.7	11.8	11.9	12.0	12.0	11.9	11.8	11.7	11.5
55	10.1	9.97	9.86	9.75	9.72	9.73	9.81	9.96	10.2	10.4	10.6	10.7	10.8	10.9	10.9	10.8	10.7	10.6	10.4
60	8.36	8.22	8.09	8.01	7.97	7.99	8.08	8.24	8.47	8.70	8.86	8.96	9.02	9.17	9.20	9.11	8.98	8.83	8.64
65	7.17	7.02	6.88	6.82	6.80	6.81	6.89	7.07	7.29	7.52	7.68	7.77	7.82	8.00	8.03	7.94	7.80	7.65	7.47
70	5.31	5.17	5.04	4.99	4.98	5.01	5.10	5.28	5.49	5.71	5.86	5.94	6.00	6.19	6.22	6.12	6.00	5.86	5.70
75	4.05	3.91	3.79	3.75	3.74	3.78	3.87	4.05	4.26	4.49	4.61	4.69	4.74	4.94	4.98	4.89	4.79	4.64	4.49
80	2.13	2.01	1.89	1.89	1.87	1.93	2.02	2.20	2.39	2.62	2.71	2.78	2.82	3.02	3.10	3.01	2.93	2.79	2.66
85	0.85	0.79	0.69	0.71	0.70	0.75	0.82	0.9993	1.17	1.37	1.45	1.51	1.53	1.74	1.82	1.77	1.70	1.56	1.43
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	0.13	0.19	0.16	0.12	0.03	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-R	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	19.5	19.5	19.5	19.5	19.5														
5	19.4	19.4	19.4	19.4	19.4														
10	19.1	19.1	19.0	19.0	19.0														
15	18.7	18.7	18.7	18.7	18.7														
20	18.0	18.0	17.9	17.9	17.9														
25	17.4	17.3	17.3	17.3	17.3														
30	16.3	16.2	16.2	16.2	16.2														
35	15.4	15.4	15.3	15.3	15.3														
40	14.0	14.0	13.9	13.9	13.9														
45	13.0	12.9	12.9	12.9	12.9														
50	11.4	11.3	11.3	11.3	11.3														
55	10.3	10.2	10.2	10.1	10.1														
60	8.54	8.47	8.40	8.38	8.39														
65	7.36	7.29	7.20	7.17	7.18														
70	5.59	5.49	5.38	5.33	5.34														
75	4.36	4.27	4.14	4.07	4.05														
80	2.52	2.44	2.27	2.18	2.11														
85	1.31	1.22	1.05	0.93	0.85														
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: