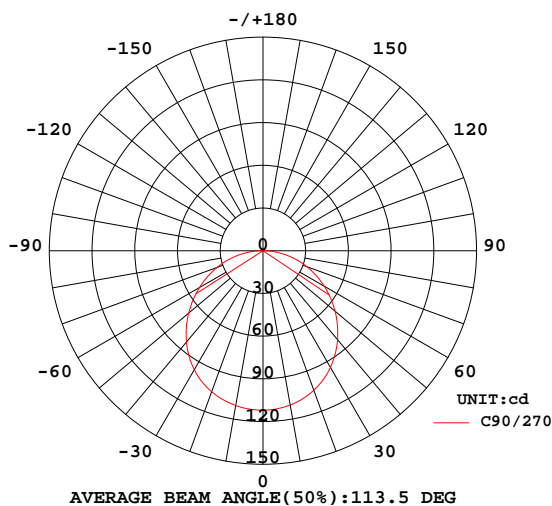


LUMINAIRE PHOTOMETRIC TEST REPORT

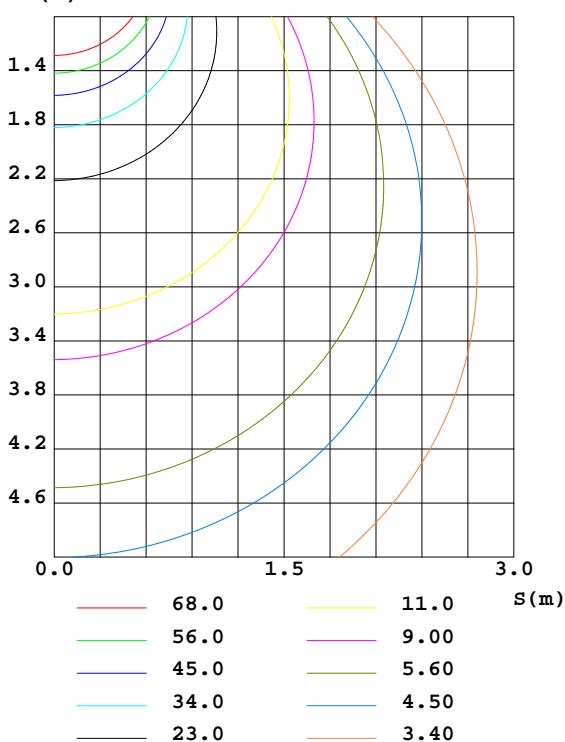
NAME: C-SFR-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 48.94 lm/W			
MODEL	5050	Imax(cd)	112.0	S/MH(C0/180)	1.24
NOMINAL POWER(W)	6.86	LOR(%)	167.9	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	335.76	$\eta$ UP,DN(C0-180)	1.1,83.2
NOMINAL FLUX(lm)	200	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.5,82.1
LAMPS INSIDE	1	$\eta$ up(%)	2.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	165.3	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:2018-08-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 2.0DEG  
Test System:EVERFINE GO-2000A\_V1 SYSTEM V1.0.257  
Humidity:45.0%  
Test Distance:6.950m [K=1.0000]  
Remarks:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	109.5	109.8	110.4	110.6	110.5	110.4	110.0	109.6	0- 10	10.60	10.60	3.16,5.3
20	103.0	104.0	105.4	105.5	104.9	104.8	104.4	103.4	10- 20	30.41	41.01	12.2,20.5
30	92.91	94.54	96.60	96.77	95.53	95.53	94.74	93.57	20- 30	46.17	87.18	26,43.6
40	79.94	81.77	83.67	84.49	83.02	82.85	81.49	80.51	30- 40	55.67	142.9	42.5,71.4
50	64.92	66.42	68.12	69.38	68.28	67.78	66.07	65.30	40- 50	57.76	200.6	59.7,100
60	48.58	49.90	51.45	52.92	52.01	51.31	49.60	48.79	50- 60	52.70	253.3	75.4,127
70	31.63	32.91	34.48	35.92	34.99	34.38	32.83	31.95	60- 70	41.75	295.1	87.9,148
80	14.21	15.77	17.31	18.71	17.49	17.08	15.81	14.77	70- 80	26.42	321.5	95.8,161
90	0.7373	1.614	2.380	2.898	1.536	2.296	2.385	2.027	80- 90	9.106	330.6	98.5,165
100	0.6524	1.130	1.177	1.351	1.092	1.490	1.760	1.590	90-100	1.626	332.2	98.9,166
110	0.4518	0.8203	0.9236	1.077	1.068	1.325	1.458	1.270	100-110	1.235	333.5	99.3,167
120	0.2439	0.3620	0.6489	0.7848	0.9723	0.9432	1.116	0.8748	110-120	0.8853	334.3	99.6,167
130	0.1410	0.2567	0.2442	0.5780	0.8672	0.5544	0.7371	0.3784	120-130	0.5505	334.9	99.7,167
140	0.1744	0.2663	0.1928	0.5419	0.7573	0.4871	0.2555	0.3348	130-140	0.3230	335.2	99.8,168
150	0.2293	0.2975	0.2676	0.4913	0.6378	0.4391	0.2869	0.3300	140-150	0.2357	335.4	99.9,168
160	0.2867	0.3215	0.3061	0.4407	0.5207	0.4151	0.2821	0.3420	150-160	0.1708	335.6	100,168
170	0.3368	0.3455	0.3278	0.3781	0.4108	0.3623	0.3231	0.3661	160-170	0.1024	335.7	100,168
180	0.3656	0.3623	0.3640	0.3806	0.3751	0.3647	0.3592	0.3806	170-180	0.0342	335.8	100,168
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

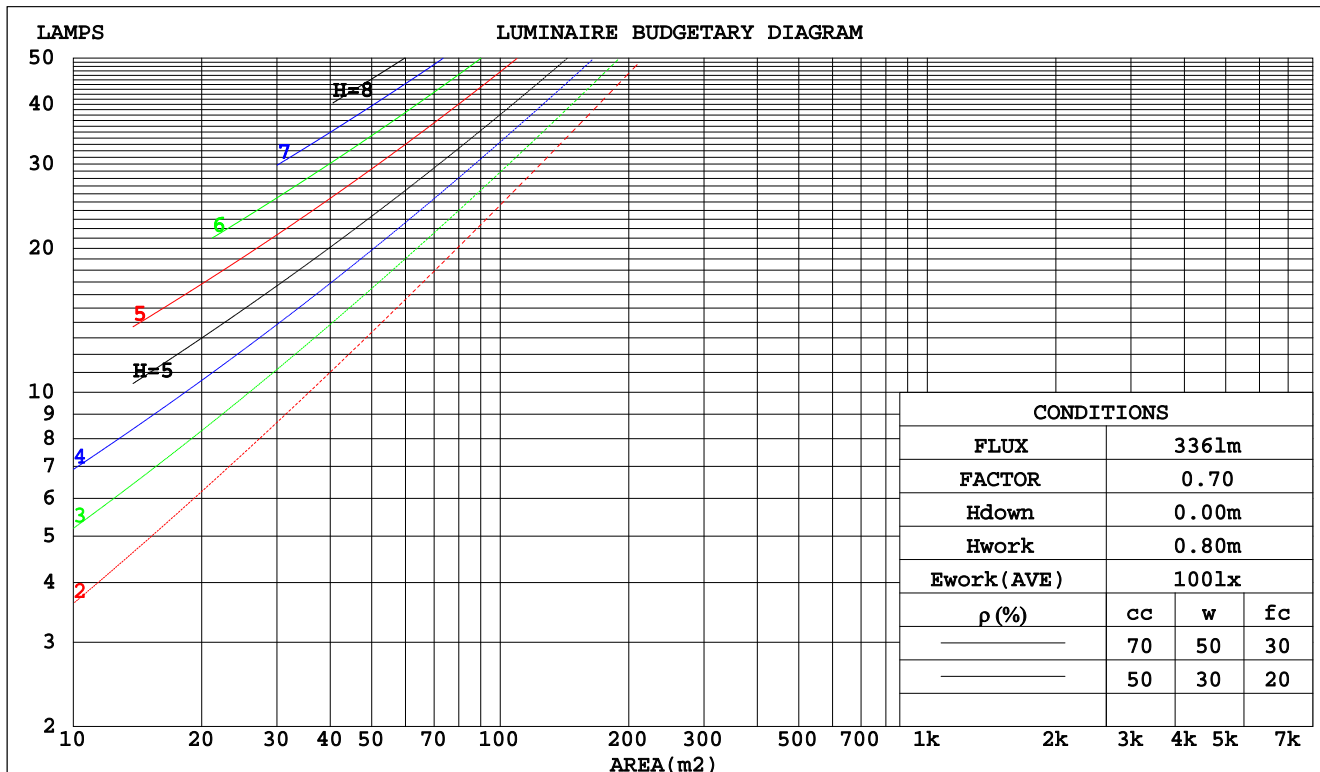
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.99	1.99	1.99	1.94	1.94	1.94	1.85	1.85	1.85	1.77	1.77	1.77	1.69	1.69	1.69	1.65
1.0	1.73	1.65	1.58	1.68	1.62	1.55	1.61	1.55	1.50	1.54	1.49	1.45	1.47	1.44	1.40	1.36
2.0	1.50	1.38	1.28	1.46	1.35	1.26	1.40	1.31	1.23	1.34	1.26	1.20	1.28	1.22	1.16	1.13
3.0	1.31	1.17	1.06	1.28	1.15	1.05	1.23	1.12	1.02	1.18	1.08	1.00	1.13	1.05	.98	.94
4.0	1.16	1.01	.89	1.13	.99	.88	1.09	.97	.87	1.05	.94	.85	1.01	.92	.84	.80
5.0	1.03	.88	.77	1.01	.87	.76	.97	.85	.75	.94	.83	.74	.90	.81	.73	.69
6.0	.93	.78	.67	.91	.77	.66	.88	.75	.66	.85	.73	.65	.82	.72	.64	.60
7.0	.84	.69	.59	.83	.69	.59	.80	.67	.58	.77	.66	.57	.75	.65	.57	.53
8.0	.77	.62	.52	.76	.62	.52	.73	.61	.52	.71	.59	.51	.69	.58	.51	.47
9.0	.70	.57	.47	.69	.56	.47	.67	.55	.47	.65	.54	.46	.63	.53	.46	.43
10.0	.65	.52	.43	.64	.51	.43	.62	.50	.42	.60	.50	.42	.59	.49	.42	.39



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.543 .309 .098	.530 .303 .096	.507 .291 .093	.485 .280 .090	.464 .269 .087	
2.0	.504 .276 .085	.493 .271 .084	.472 .262 .081	.452 .254 .079	.434 .246 .077	
3.0	.463 .246 .074	.453 .243 .073	.434 .235 .072	.417 .228 .070	.401 .222 .069	
4.0	.425 .221 .065	.416 .218 .064	.400 .212 .063	.384 .206 .062	.370 .201 .061	
5.0	.392 .200 .058	.384 .197 .057	.369 .192 .057	.355 .187 .056	.342 .183 .055	
6.0	.362 .182 .052	.355 .180 .052	.342 .175 .051	.330 .171 .050	.318 .167 .050	
7.0	.337 .166 .047	.330 .165 .047	.318 .161 .046	.307 .158 .046	.297 .154 .045	
8.0	.314 .153 .043	.308 .152 .043	.298 .149 .042	.288 .146 .042	.278 .143 .042	
9.0	.294 .142 .040	.289 .141 .040	.279 .138 .039	.270 .135 .039	.262 .133 .038	
10.0	.276 .132 .037	.272 .131 .037	.263 .129 .036	.255 .126 .036	.247 .124 .036	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.339 .339 .339	.290 .290 .290	.198 .198 .198	.114 .114 .114	.036 .036 .036	
1.0	.324 .282 .244	.277 .242 .210	.190 .166 .145	.109 .096 .084	.035 .031 .027	
2.0	.311 .241 .183	.266 .208 .158	.183 .144 .110	.105 .084 .065	.034 .027 .021	
3.0	.298 .212 .143	.256 .183 .124	.175 .127 .087	.101 .074 .051	.033 .024 .017	
4.0	.285 .190 .117	.245 .164 .102	.168 .114 .072	.097 .067 .042	.031 .022 .014	
5.0	.273 .173 .099	.234 .149 .086	.161 .104 .061	.093 .061 .036	.030 .020 .012	
6.0	.260 .159 .085	.224 .137 .074	.154 .096 .053	.090 .057 .031	.029 .018 .010	
7.0	.249 .147 .076	.214 .127 .066	.148 .089 .047	.086 .053 .028	.028 .017 .009	
8.0	.238 .137 .068	.205 .119 .060	.142 .084 .042	.082 .049 .025	.027 .016 .008	
9.0	.227 .129 .063	.196 .112 .055	.136 .079 .039	.079 .046 .023	.026 .015 .008	
10.0	.218 .122 .058	.188 .106 .051	.130 .074 .036	.076 .044 .021	.025 .014 .007	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W						WEIGHT:0.325Kg/m					
DIM.: 16*17mm						SPEC.:		SERIAL No.:			
MFR.:						SUR.:16*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	19.4	20.8	21.1	19.3	20.8	19.6	21.0	21.3
3H		20.7	22.1	21.0	22.3	22.6	21.0	22.4	21.3	22.6	22.9
4H		21.4	22.7	21.7	23.0	23.3	21.7	23.1	22.1	23.3	23.6
6H		21.9	23.1	22.2	23.4	23.7	22.3	23.6	22.7	23.9	24.2
8H		22.0	23.2	22.4	23.6	23.9	22.6	23.8	22.9	24.1	24.4
12H		22.1	23.3	22.5	23.6	23.9	22.7	23.9	23.1	24.2	24.6
4H 2H		19.7	21.1	20.1	21.3	21.6	19.9	21.2	20.2	21.5	21.8
3H		21.5	22.7	21.9	23.0	23.4	21.8	22.9	22.2	23.3	23.6
4H		22.3	23.4	22.7	23.8	24.1	22.7	23.7	23.1	24.1	24.5
6H		23.0	23.9	23.4	24.3	24.7	23.4	24.4	23.9	24.8	25.2
8H		23.2	24.1	23.6	24.5	24.9	23.7	24.6	24.2	25.0	25.5
12H		23.3	24.2	23.8	24.6	25.0	24.0	24.8	24.4	25.2	25.7
8H 4H		22.7	23.6	23.1	24.0	24.4	23.0	23.9	23.4	24.3	24.7
6H		23.5	24.2	24.0	24.7	25.1	23.9	24.7	24.4	25.1	25.5
8H		23.8	24.5	24.3	24.9	25.4	24.3	25.0	24.8	25.4	25.9
12H		24.0	24.6	24.5	25.1	25.6	24.7	25.2	25.2	25.7	26.2
12H 4H		22.7	23.5	23.2	23.9	24.4	23.0	23.8	23.4	24.2	24.7
6H		23.6	24.2	24.1	24.7	25.2	24.0	24.6	24.5	25.1	25.6
8H		23.9	24.5	24.5	25.0	25.5	24.4	25.0	24.9	25.5	26.0
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.1 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 200.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.6)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

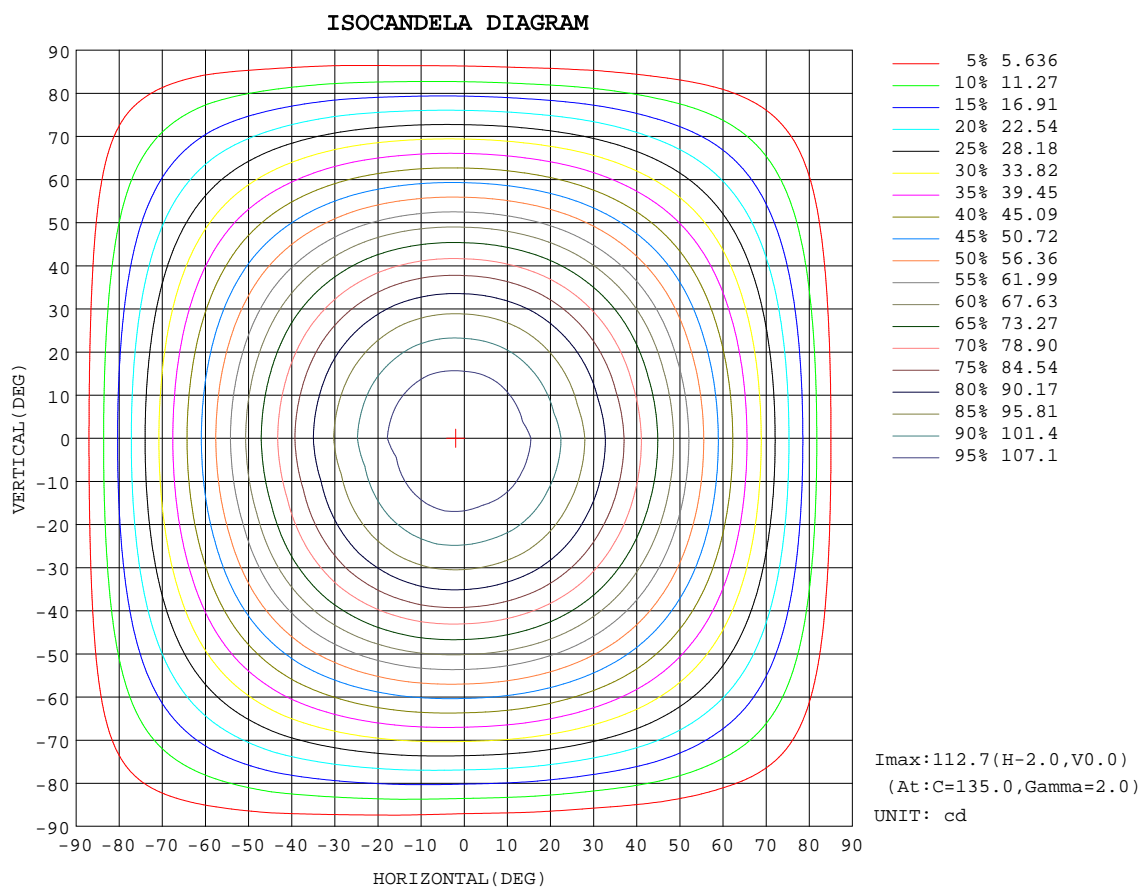
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	95	75	63	93	74	63	91	74	63	52
0.80	111	91	79	109	91	78	106	89	78	66
1.00	125	106	93	123	105	93	119	107	92	80
1.25	137	119	106	134	118	106	130	115	104	91
1.50	145	128	116	142	127	115	137	123	113	100
2.00	157	142	131	154	140	129	148	136	127	113
2.50	164	150	140	160	148	138	153	143	135	120
3.00	170	157	148	166	155	146	158	149	142	127
4.00	176	166	158	172	163	156	165	157	151	135
5.00	181	172	165	176	169	162	168	162	157	140
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:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	SUR.:16*1000mm

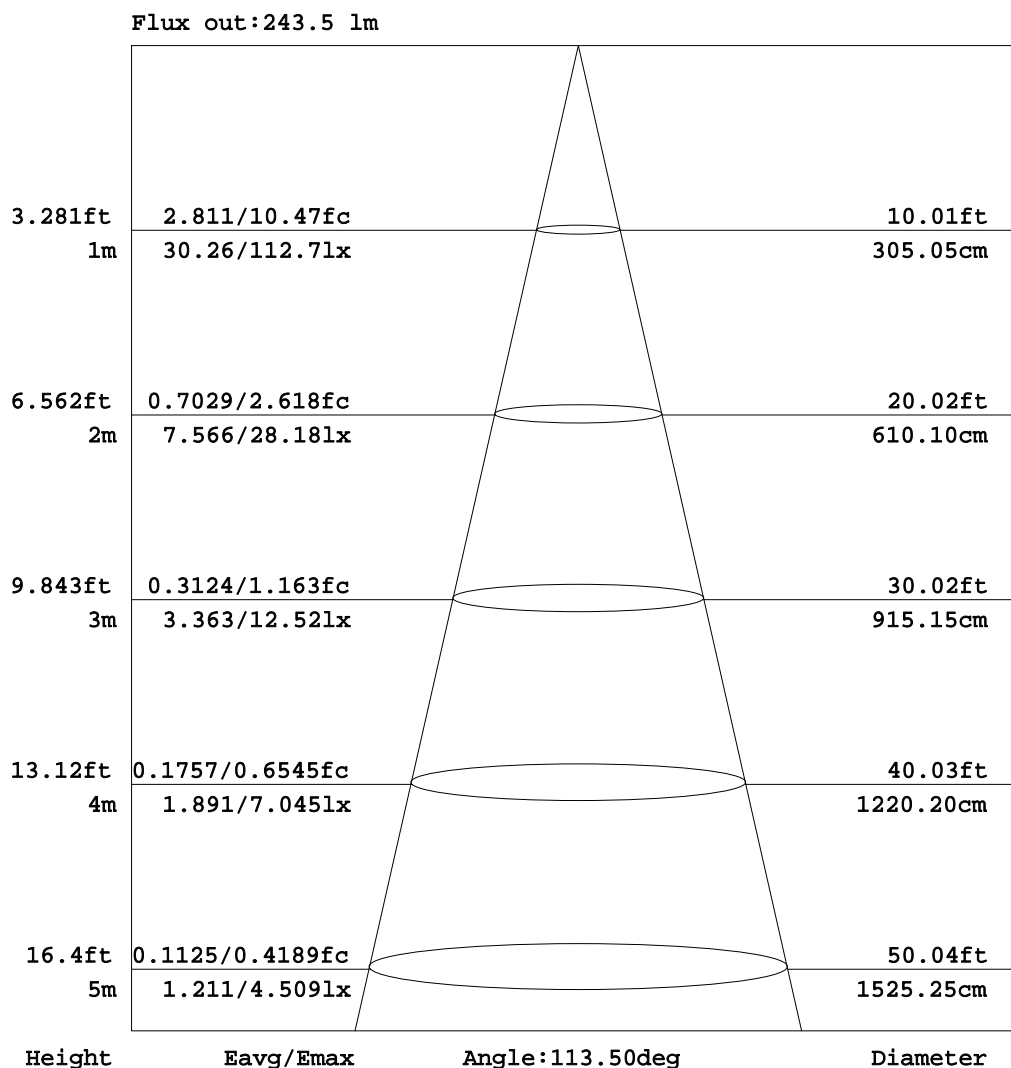


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:



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

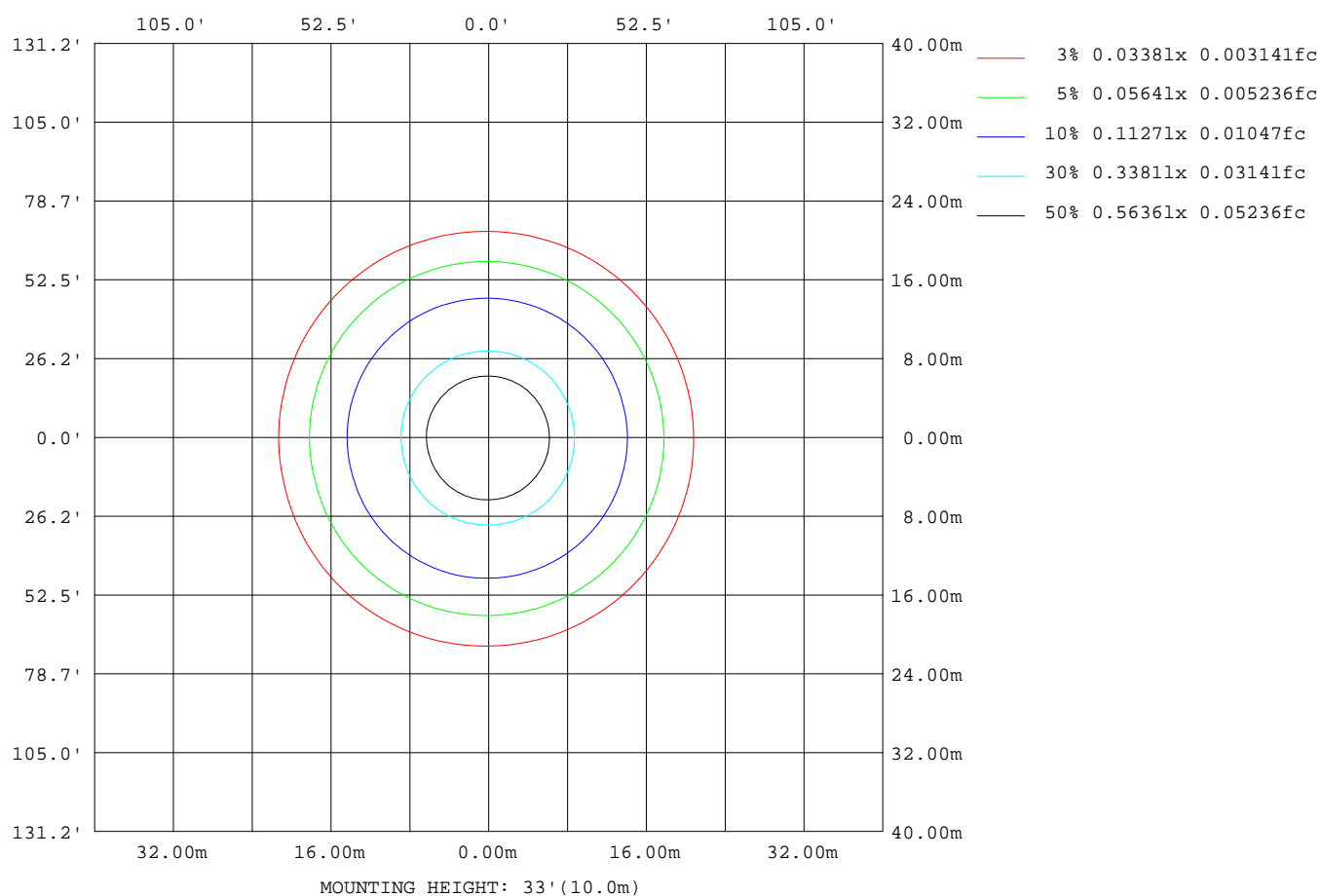
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SERIAL No.:
MFR.:	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	200	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.016	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	6197	6211	6236	6274	6321	6371	6418	6462	6496	6523	6570	6613	6645	6670	6673	6654	6615	6586	6573
60	6072	6093	6120	6157	6209	6262	6311	6364	6403	6431	6486	6536	6574	6606	6612	6591	6554	6522	6502
65	5939	5969	6000	6037	6099	6158	6211	6279	6325	6355	6423	6482	6523	6564	6574	6550	6512	6476	6447
70	5780	5814	5851	5898	5974	6048	6115	6197	6257	6300	6380	6452	6504	6551	6560	6528	6482	6434	6395
75	5530	5590	5641	5698	5816	5919	6000	6118	6199	6250	6361	6454	6514	6578	6583	6530	6472	6405	6343
80	5113	5215	5306	5406	5587	5736	5849	6034	6160	6232	6398	6530	6608	6707	6711	6615	6510	6396	6294
85	4006	4275	4463	4638	5028	5334	5540	5909	6163	6310	6652	6899	7018	7220	7218	7003	6830	6601	6370

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	7220	200	---	500
Category 2	65 to 90	7220	200	---	500
Category 3	75 to 90	7220	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:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.: SERIAL No.:
MFR.:	SUR.:16*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	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
5	111	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112	112
10	110	110	110	110	110	110	110	111	111	111	111	110	110	110	110	110	110	110	110
15	107	107	108	108	108	109	109	109	109	109	109	109	109	109	109	109	109	109	108
20	103	103	103	104	105	105	105	106	106	106	105	105	105	105	105	105	105	105	104
25	99.3	99.5	99.9	101	101	102	102	103	103	102	102	102	102	101	102	102	102	101	101
30	92.9	93.1	93.6	94.5	95.5	96.1	96.6	97.0	97.0	96.8	96.2	95.7	95.5	95.5	95.6	95.5	95.5	95.3	94.7
35	88.0	88.3	88.9	89.8	90.7	91.4	91.9	92.4	92.4	92.3	91.7	91.1	90.8	90.8	90.9	90.8	90.8	90.4	89.8
40	79.9	80.2	80.8	81.8	82.6	83.3	83.7	84.2	84.5	84.5	83.9	83.3	83.0	82.9	83.0	82.9	82.7	82.3	81.5
45	74.1	74.4	75.0	75.8	76.7	77.3	77.7	78.3	78.6	78.7	78.3	77.6	77.3	77.2	77.3	77.1	76.8	76.2	75.5
50	64.9	65.2	65.7	66.4	67.2	67.7	68.1	68.8	69.2	69.4	69.1	68.5	68.3	68.2	68.1	67.8	67.4	66.8	66.1
55	58.5	58.7	59.2	59.9	60.6	61.1	61.5	62.2	62.6	62.9	62.7	62.1	62.0	61.8	61.8	61.3	61.0	60.3	59.7
60	48.6	48.8	49.3	49.9	50.5	51.1	51.5	52.1	52.6	52.9	52.7	52.3	52.0	51.9	51.8	51.3	50.9	50.3	49.6
65	41.9	42.2	42.5	43.2	43.7	44.4	44.7	45.3	45.8	46.2	46.0	45.6	45.3	45.1	45.0	44.6	44.2	43.6	42.9
70	31.6	31.9	32.3	32.9	33.5	34.1	34.5	35.1	35.6	35.9	35.7	35.3	35.0	34.9	34.8	34.4	34.0	33.4	32.8
75	24.6	25.0	25.3	26.1	26.6	27.3	27.6	28.3	28.7	29.0	28.8	28.4	28.0	27.9	27.8	27.5	27.2	26.5	26.0
80	14.2	14.6	15.0	15.8	16.3	17.0	17.3	18.0	18.4	18.7	18.4	17.9	17.5	17.3	17.5	17.1	16.9	16.2	15.8
85	7.29	7.81	8.16	8.98	9.43	10.2	10.5	11.2	11.5	11.8	11.5	11.1	10.6	10.5	10.7	10.3	10.1	9.48	9.08
90	0.74	1.00	1.29	1.61	1.91	2.22	2.38	2.72	2.88	2.90	2.55	2.05	1.54	1.75	2.12	2.30	2.47	2.41	2.38
95	0.71	0.88	1.13	1.32	1.43	1.45	1.40	1.51	1.52	1.59	1.49	1.22	1.03	1.28	1.64	1.77	1.81	1.91	1.92
100	0.65	0.69	0.94	1.13	1.23	1.23	1.18	1.29	1.40	1.35	1.31	1.15	1.09	1.21	1.43	1.49	1.59	1.64	1.76
105	0.59	0.60	0.83	1.00	1.11	1.11	1.07	1.17	1.21	1.21	1.23	1.07	1.13	1.12	1.35	1.44	1.48	1.51	1.66
110	0.45	0.50	0.58	0.82	0.93	0.95	0.92	1.02	1.00	1.08	1.08	1.00	1.07	1.01	1.17	1.32	1.25	1.32	1.46
115	0.36	0.44	0.42	0.70	0.81	0.84	0.81	0.88	0.87	0.99	0.91	0.97	1.02	0.96	1.02	1.16	1.24	1.20	1.34
120	0.24	0.33	0.34	0.36	0.62	0.66	0.65	0.69	0.73	0.78	0.81	0.92	0.97	0.90	0.77	0.94	1.02	1.02	1.12
125	0.18	0.27	0.30	0.28	0.40	0.53	0.54	0.57	0.61	0.61	0.80	0.90	0.93	0.86	0.74	0.76	0.87	0.88	0.99
130	0.14	0.22	0.26	0.26	0.23	0.21	0.24	0.28	0.38	0.58	0.75	0.85	0.87	0.81	0.70	0.55	0.60	0.61	0.74
135	0.15	0.21	0.26	0.26	0.23	0.18	0.16	0.21	0.38	0.56	0.72	0.81	0.83	0.77	0.67	0.52	0.43	0.39	0.51
140	0.17	0.21	0.26	0.27	0.26	0.21	0.19	0.22	0.38	0.54	0.67	0.74	0.76	0.71	0.63	0.49	0.36	0.25	0.26
145	0.20	0.22	0.26	0.28	0.28	0.25	0.23	0.24	0.38	0.52	0.63	0.70	0.71	0.67	0.59	0.47	0.36	0.25	0.26
150	0.23	0.26	0.27	0.30	0.30	0.28	0.27	0.27	0.38	0.49	0.58	0.63	0.64	0.61	0.56	0.44	0.35	0.26	0.29
155	0.26	0.28	0.29	0.30	0.32	0.30	0.29	0.28	0.37	0.47	0.54	0.59	0.59	0.57	0.52	0.43	0.34	0.27	0.29
160	0.29	0.30	0.30	0.32	0.33	0.32	0.31	0.29	0.36	0.44	0.49	0.52	0.52	0.51	0.47	0.42	0.34	0.29	0.28
165	0.31	0.32	0.32	0.33	0.34	0.33	0.31	0.31	0.35	0.42	0.46	0.47	0.48	0.47	0.44	0.40	0.34	0.30	0.29
170	0.34	0.35	0.34	0.35	0.35	0.34	0.33	0.33	0.35	0.38	0.40	0.41	0.41	0.41	0.39	0.36	0.34	0.33	0.32
175	0.35	0.35	0.36	0.36	0.36	0.35	0.34	0.34	0.37	0.37	0.37	0.38	0.37	0.37	0.37	0.35	0.35	0.34	0.33
180	0.37	0.37	0.37	0.36	0.37	0.36	0.36	0.38	0.38	0.38	0.38	0.38	0.38	0.37	0.37	0.36	0.37	0.36	0.36

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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-F22S-VB-D24CC-RGBW(2700K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.: SERIAL No.:
MFR.:	SUR.:16*1000mm PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	112	112	112	112	112														
5	112	112	112	112	112														
10	110	110	110	110	110														
15	108	108	108	108	107														
20	104	104	103	103	103														
25	101	100	99.9	99.6	99.5														
30	94.3	94.0	93.6	93.3	93.1														
35	89.3	89.1	88.7	88.4	88.2														
40	81.1	80.8	80.5	80.3	80.1														
45	75.1	74.9	74.6	74.4	74.3														
50	65.7	65.5	65.3	65.2	65.1														
55	59.2	59.1	58.8	58.8	58.6														
60	49.2	49.0	48.8	48.8	48.7														
65	42.5	42.4	42.1	42.0	42.0														
70	32.4	32.2	31.9	31.8	31.7														
75	25.6	25.4	25.0	24.9	24.8														
80	15.3	15.2	14.8	14.7	14.3														
85	8.69	8.49	8.08	7.90	7.57														
90	2.34	2.28	2.03	1.66	1.19														
95	1.92	1.92	1.76	1.47	1.06														
100	1.76	1.76	1.59	1.30	0.92														
105	1.66	1.65	1.48	1.19	0.80														
110	1.48	1.46	1.27	0.97	0.65														
115	1.34	1.32	1.14	0.78	0.60														
120	1.13	1.10	0.87	0.43	0.45														
125	0.98	0.92	0.66	0.37	0.37														
130	0.71	0.60	0.38	0.33	0.29														
135	0.47	0.37	0.35	0.32	0.27														
140	0.27	0.34	0.33	0.30	0.26														
145	0.29	0.32	0.33	0.30	0.26														
150	0.31	0.33	0.33	0.30	0.27														
155	0.32	0.33	0.33	0.30	0.28														
160	0.33	0.34	0.34	0.33	0.31														
165	0.34	0.34	0.35	0.34	0.32														
170	0.34	0.36	0.37	0.36	0.34														
175	0.35	0.36	0.37	0.36	0.36														
180	0.36	0.37	0.38	0.38	0.38														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-22

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: