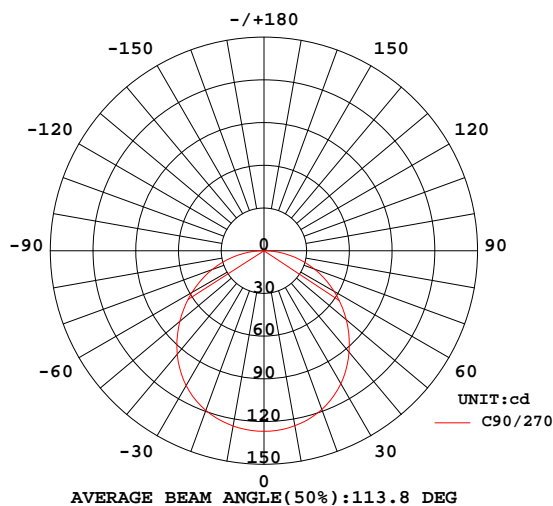


LUMINAIRE PHOTOMETRIC TEST REPORT

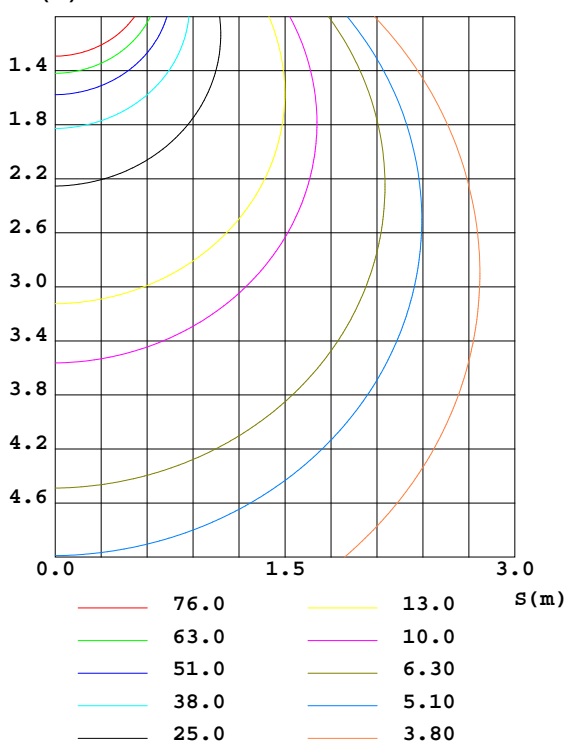
NAME: C-SFR-F22S-VB-D24CC-RGBW(4000K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 55.43 lm/W			
MODEL	5050	Imax(cd)	126.9	S/MH(C0/180)	1.24
NOMINAL POWER(W)	6.88	LOR(%)	190.7	S/MH(C90/270)	1.28
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	381.36	$\eta$ UP,DN(C0-180)	1.3,94.4
NOMINAL FLUX(lm)	200	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.8,93.2
LAMPS INSIDE	1	$\eta$ up(%)	3.1	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	187.6	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:2018-08-21

$\gamma$  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	124.0	124.2	125.0	125.3	125.0	125.2	124.8	124.0	0- 10	12.00	12.00	3.15,6
20	116.6	117.5	119.4	119.8	118.6	119.2	118.6	116.9	10- 20	34.45	46.45	12.2,23.2
30	105.2	106.8	109.4	110.1	108.1	108.9	107.9	105.6	20- 30	52.34	98.79	25.9,49.4
40	90.56	92.25	94.83	96.38	94.01	94.84	92.95	90.60	30- 40	63.16	162.0	42.5,81
50	73.53	74.99	77.15	79.48	77.31	77.91	75.46	73.25	40- 50	65.59	227.5	59.7,114
60	55.16	56.32	58.26	60.84	58.92	59.30	56.79	54.56	50- 60	59.91	287.4	75.4,144
70	35.95	37.04	38.97	41.51	39.64	39.97	37.71	35.37	60- 70	47.51	335.0	87.8,167
80	16.04	17.44	19.25	21.84	19.64	20.22	18.23	15.70	70- 80	30.06	365.0	95.7,183
90	0.7541	1.810	2.345	3.142	1.533	3.028	2.732	2.235	80- 90	10.18	375.2	98.4,188
100	0.6895	1.271	1.321	1.345	1.177	1.886	2.131	1.881	90-100	1.821	377.0	98.9,189
110	0.6079	1.016	1.085	1.164	1.088	1.598	1.832	1.537	100-110	1.416	378.4	99.2,189
120	0.5070	0.6555	0.8416	0.8811	1.018	1.190	1.468	1.139	110-120	1.066	379.5	99.5,190
130	0.3965	0.4059	0.4563	0.5830	0.9224	0.7739	1.065	0.6056	120-130	0.7223	380.2	99.7,190
140	0.3051	0.4036	0.2628	0.5643	0.8238	0.6055	0.5225	0.4611	130-140	0.4366	380.7	99.8,190
150	0.3459	0.4204	0.3471	0.5380	0.7182	0.5765	0.3785	0.4505	140-150	0.3006	381.0	99.9,190
160	0.3963	0.4420	0.3905	0.5307	0.6149	0.5478	0.3882	0.4587	150-160	0.2196	381.2	100,191
170	0.4636	0.4613	0.4218	0.5091	0.5332	0.5093	0.4267	0.4539	160-170	0.1345	381.3	100,191
180	0.4853	0.4877	0.4556	0.4803	0.4756	0.4901	0.4580	0.4755	170-180	0.0453	381.4	100,191
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

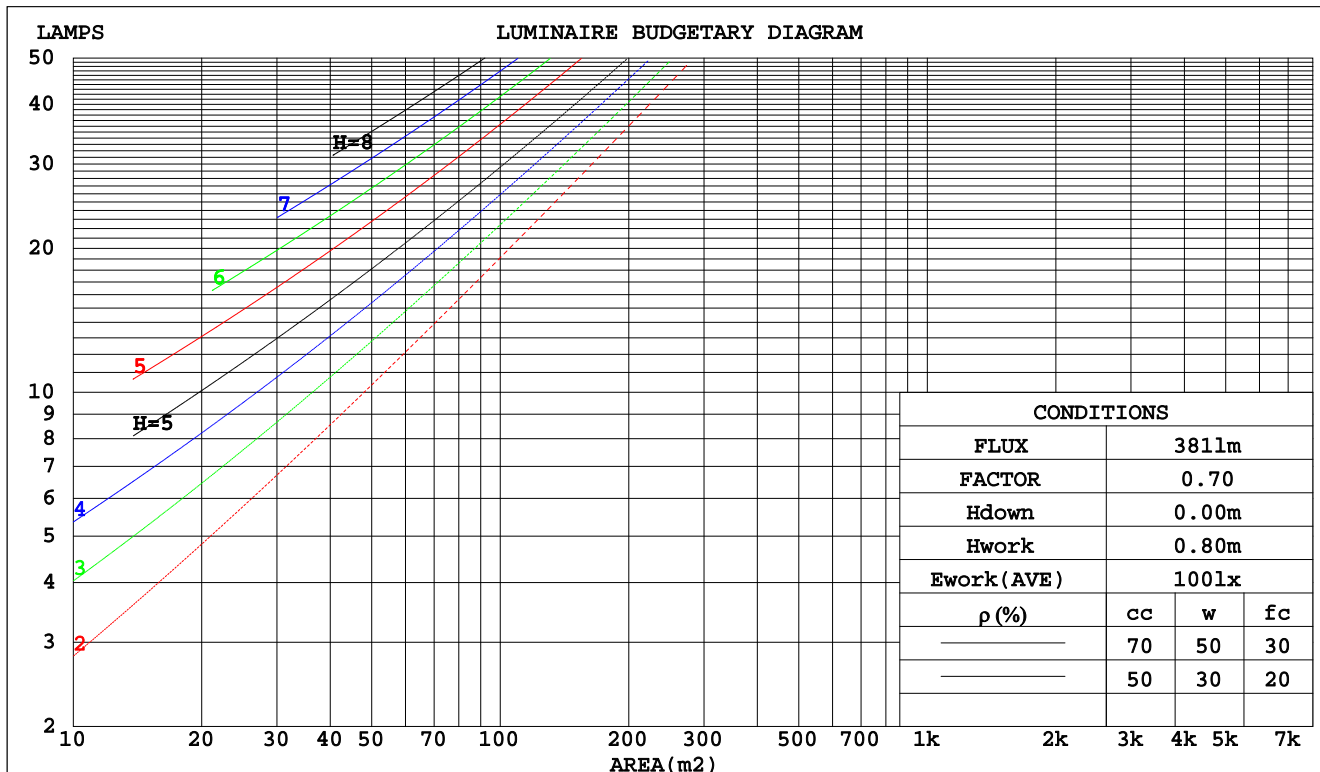
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

$\gamma$  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(4000K)-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						Coefficients of Utilization(CU)									
0.0	2.26	2.26	2.26	2.21	2.21	2.21	2.10	2.10	2.10	2.01	2.01	2.01	1.92	1.92	1.92	1.88
1.0	1.96	1.87	1.80	1.91	1.84	1.76	1.83	1.76	1.70	1.75	1.69	1.65	1.67	1.63	1.59	1.55
2.0	1.70	1.57	1.45	1.66	1.54	1.43	1.59	1.48	1.39	1.52	1.43	1.36	1.46	1.39	1.32	1.28
3.0	1.49	1.33	1.20	1.46	1.31	1.19	1.39	1.27	1.16	1.34	1.23	1.14	1.28	1.19	1.11	1.07
4.0	1.32	1.14	1.01	1.29	1.13	1.00	1.24	1.10	.99	1.19	1.07	.97	1.14	1.04	.95	.91
5.0	1.17	.00	.87	1.15	.99	.86	1.11	.96	.85	1.06	.94	.84	1.03	.92	.83	.78
6.0	1.06	.88	.76	1.04	.87	.75	.00	.85	.74	.96	.83	.73	.93	.81	.73	.68
7.0	.96	.79	.67	.94	.78	.66	.91	.76	.66	.88	.75	.65	.85	.73	.64	.60
8.0	.87	.71	.59	.86	.70	.59	.83	.69	.59	.80	.67	.58	.78	.66	.58	.54
9.0	.80	.64	.53	.79	.64	.53	.76	.62	.53	.74	.61	.52	.72	.60	.52	.48
10.0	.74	.59	.48	.73	.58	.48	.71	.57	.48	.69	.56	.47	.67	.55	.47	.44



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

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(4000K)-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
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						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.616	.351	.111	.602	.343	.109	.575	.330	.105	.550	.317	.102	.527	.305	.098	
2.0	.572	.314	.096	.559	.308	.095	.535	.298	.092	.513	.288	.090	.493	.279	.088	
3.0	.526	.280	.084	.514	.275	.083	.493	.267	.081	.473	.259	.080	.455	.252	.078	
4.0	.483	.251	.074	.473	.247	.073	.454	.241	.072	.436	.234	.071	.420	.228	.069	
5.0	.445	.227	.066	.436	.224	.065	.419	.218	.064	.403	.213	.063	.389	.208	.062	
6.0	.412	.206	.059	.404	.204	.059	.389	.199	.058	.374	.195	.057	.361	.190	.056	
7.0	.382	.189	.054	.375	.187	.053	.362	.183	.053	.349	.179	.052	.337	.175	.051	
8.0	.357	.174	.049	.350	.172	.049	.338	.169	.048	.327	.165	.048	.316	.162	.047	
9.0	.334	.161	.045	.328	.160	.045	.317	.157	.044	.307	.154	.044	.297	.151	.044	
10.0	.314	.150	.042	.308	.149	.042	.298	.146	.041	.289	.144	.041	.280	.141	.040	

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	.387	.387	.387	.330	.330	.330	.226	.226	.226	.130	.130	.130	.041	.041	.041		
1.0	.369	.321	.278	.316	.276	.239	.216	.190	.165	.124	.110	.096	.040	.035	.031		
2.0	.354	.275	.209	.304	.237	.180	.208	.164	.126	.120	.095	.074	.038	.031	.024		
3.0	.340	.242	.164	.291	.209	.142	.200	.145	.100	.115	.085	.059	.037	.027	.019		
4.0	.325	.217	.134	.279	.187	.116	.192	.131	.082	.111	.076	.049	.036	.025	.016		
5.0	.311	.197	.113	.267	.171	.098	.184	.119	.070	.106	.070	.041	.034	.023	.014		
6.0	.297	.181	.098	.255	.157	.086	.176	.110	.061	.102	.065	.036	.033	.021	.012		
7.0	.284	.168	.087	.244	.146	.076	.169	.102	.054	.098	.060	.032	.032	.020	.011		
8.0	.271	.157	.079	.234	.136	.069	.162	.096	.049	.094	.056	.029	.030	.019	.010		
9.0	.260	.148	.072	.224	.128	.063	.155	.090	.045	.090	.053	.027	.029	.017	.009		
10.0	.249	.140	.067	.214	.121	.058	.149	.085	.042	.087	.050	.025	.028	.017	.008		

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

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(4000K)-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				
x = 2H y = 2H						Viewed endwise				
3H						19.5	21.0	19.7	21.2	21.4
4H						19.7	21.2	20.0	21.4	21.7
6H						21.1	22.5	21.4	22.7	23.0
8H						21.4	22.8	21.7	23.0	23.3
12H						21.7	23.1	22.1	23.4	23.7
						22.3	23.5	22.6	23.8	24.1
						22.7	24.0	23.1	24.3	24.6
						22.4	23.6	22.8	23.9	24.3
						22.9	24.2	23.3	24.5	24.8
						22.5	23.7	22.9	24.0	24.3
						23.1	24.3	23.5	24.6	24.9
4H 2H						20.1	21.5	20.5	21.7	22.0
3H						20.3	21.6	20.6	21.9	22.2
4H						21.9	23.1	22.3	23.4	23.8
6H						22.2	23.3	22.5	23.7	24.0
8H						22.7	23.8	23.1	24.2	24.5
12H						23.0	24.1	23.4	24.5	24.8
						23.4	24.3	23.8	24.7	25.1
						23.8	24.7	24.2	25.1	25.5
						23.6	24.5	24.0	24.9	25.3
						24.1	25.0	24.5	25.4	25.8
						23.7	24.5	24.2	24.9	25.4
						24.3	25.1	24.8	25.5	26.0
8H 4H						23.1	24.0	23.5	24.4	24.8
6H						23.3	24.2	23.8	24.6	25.0
8H						23.9	24.6	24.3	25.0	25.5
12H						24.2	25.0	24.7	25.4	25.9
						24.2	24.8	24.7	25.3	25.8
						24.6	25.3	25.1	25.8	26.2
						24.4	24.9	24.9	25.4	25.9
						25.0	25.5	25.5	26.0	26.5
12H 4H						23.1	23.9	23.5	24.3	24.8
6H						23.4	24.2	23.8	24.6	25.0
8H						24.0	24.6	24.4	25.1	25.6
						24.3	25.0	24.8	25.4	25.9
						24.3	24.9	24.8	25.3	25.9
						24.8	25.3	25.3	25.8	26.3
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:2018-08-21

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(4000K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

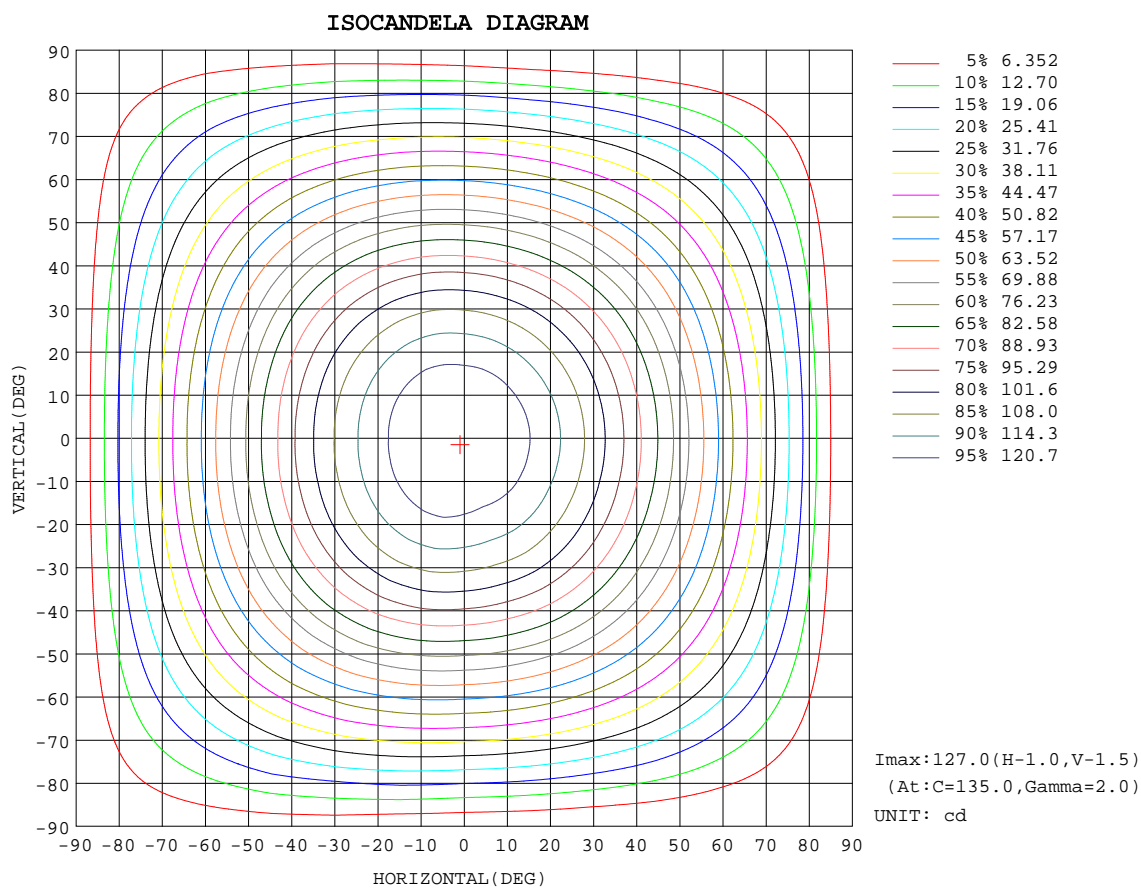
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	107	85	72	106	84	71	103	83	71	59
0.80	126	104	89	124	103	89	121	101	88	75
1.00	142	120	106	140	119	105	135	122	104	90
1.25	156	135	121	153	133	120	147	130	118	104
1.50	165	146	132	162	144	131	156	140	128	113
2.00	178	161	148	175	159	147	167	154	144	128
2.50	186	170	158	182	168	157	174	162	153	136
3.00	193	179	168	188	176	165	180	170	161	144
4.00	200	189	180	196	185	177	187	178	171	153
5.00	205	195	187	200	192	184	191	184	178	159
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:2018-08-21

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(4000K)-84-5050-1M-W	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:
SPEC.:	
SUR.:16*1000mm	

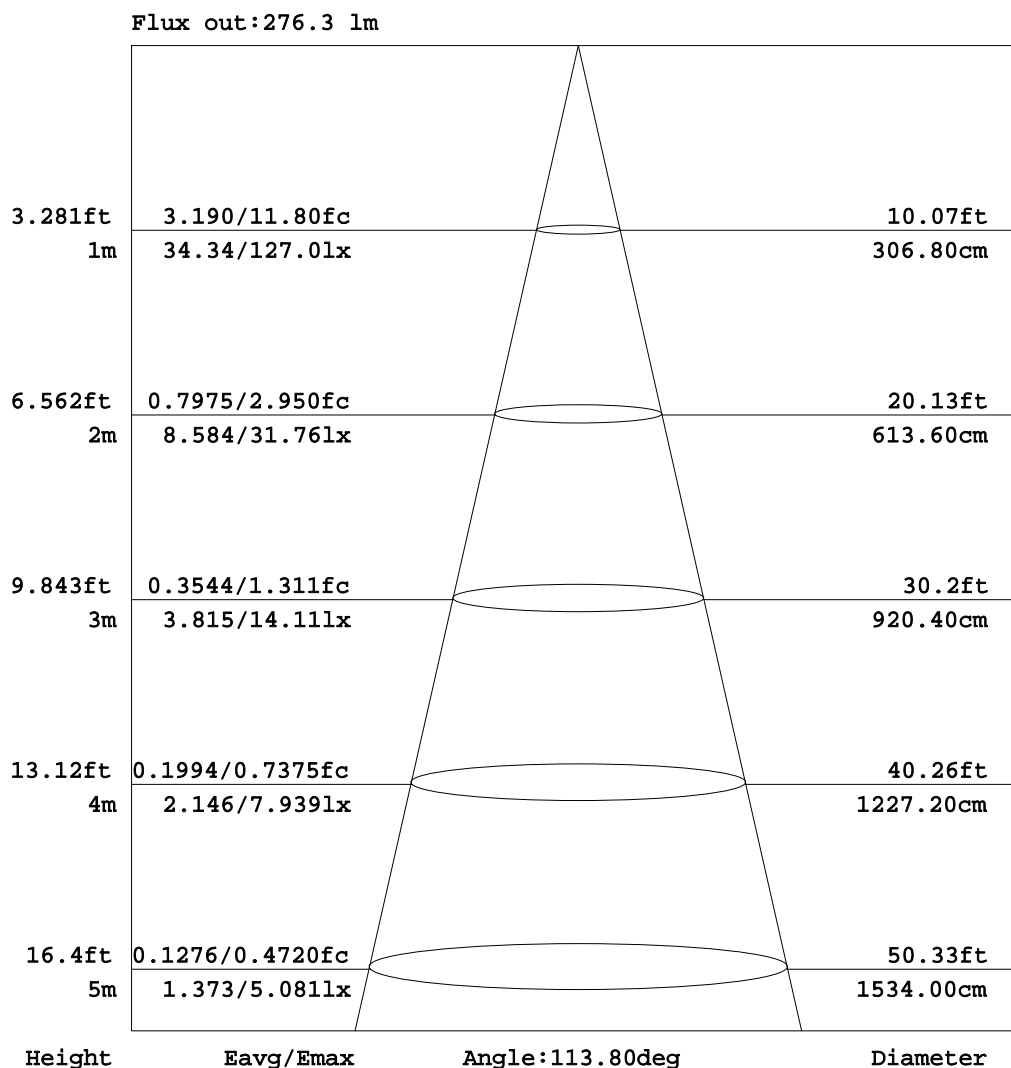


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

$\gamma$  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(4000K)-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.

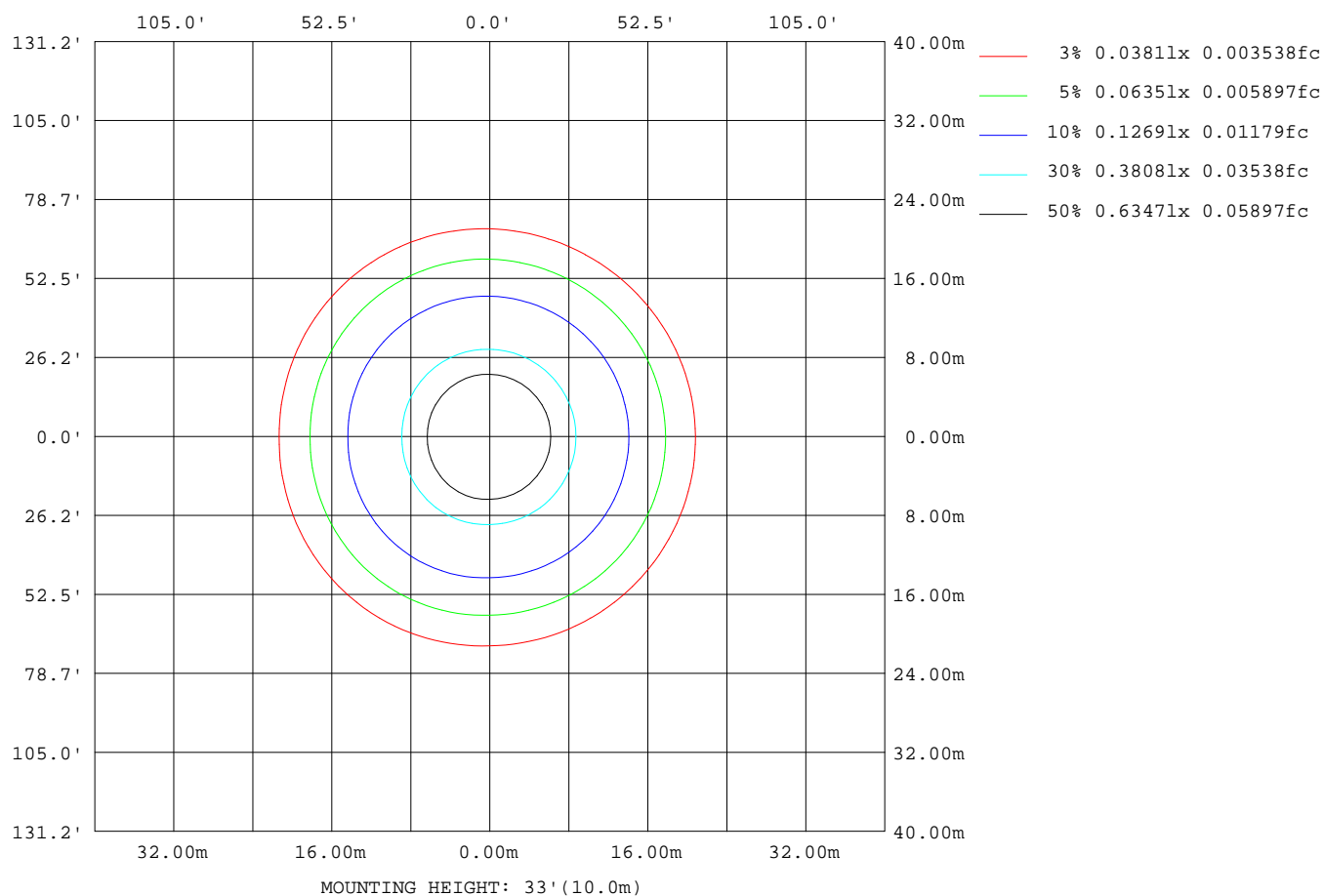
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

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(4000K)-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:2018-08-21

$\gamma$  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(4000K)-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	7028	7032	7054	7091	7139	7192	7248	7299	7341	7387	7480	7574	7642	7662	7646	7603	7540	7482	7447
60	6895	6903	6925	6962	7012	7068	7125	7184	7232	7283	7388	7495	7576	7606	7594	7549	7483	7414	7365
65	6749	6763	6788	6824	6878	6940	7005	7079	7137	7194	7320	7445	7538	7577	7565	7513	7446	7368	7305
70	6569	6595	6625	6663	6731	6806	6883	6974	7047	7122	7280	7431	7538	7583	7570	7509	7425	7325	7243
75	6289	6326	6370	6429	6529	6627	6719	6841	6943	7041	7250	7452	7595	7657	7632	7538	7432	7296	7176
80	5772	5857	5932	6017	6190	6334	6448	6640	6792	6930	7258	7543	7717	7841	7813	7650	7494	7277	7070
85	4448	4699	4895	5082	5404	5678	5903	6269	6552	6806	7424	7941	8236	8465	8397	8055	7728	7295	6897

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	8465	200	---	500
Category 2	65 to 90	8465	200	---	500
Category 3	75 to 90	8465	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:2018-08-21

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(4000K)-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	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127	127
5	126	126	126	126	126	126	127	127	127	127	127	127	127	127	127	127	127	127	127
10	124	124	124	124	124	125	125	125	125	125	125	125	125	125	125	125	125	125	125
15	122	122	122	122	122	123	123	124	124	124	123	123	123	123	123	123	124	123	123
20	117	117	117	118	118	119	119	120	120	120	119	119	119	119	119	119	119	119	119
25	112	113	113	114	115	115	116	117	117	116	116	115	115	115	115	116	116	116	115
30	105	105	106	107	108	109	109	110	110	110	109	109	108	108	109	109	109	109	108
35	99.7	99.8	100	101	103	103	104	105	105	105	104	103	103	103	103	104	104	104	102
40	90.6	90.7	91.3	92.3	93.4	94.1	94.8	96.0	96.6	96.4	95.6	94.6	94.0	94.3	94.6	94.8	94.8	94.3	93.0
45	84.0	84.2	84.7	85.6	86.7	87.3	88.0	89.2	90.0	89.9	89.2	88.2	87.6	87.9	88.2	88.3	88.1	87.5	86.2
50	73.5	73.7	74.2	75.0	75.8	76.5	77.2	78.5	79.4	79.5	78.9	77.9	77.3	77.6	77.9	77.9	77.5	76.9	75.5
55	66.3	66.4	66.9	67.6	68.4	69.1	69.7	71.0	72.0	72.1	71.6	70.7	70.2	70.4	70.7	70.6	70.3	69.4	68.2
60	55.2	55.3	55.7	56.3	57.0	57.7	58.3	59.6	60.6	60.8	60.4	59.6	58.9	59.2	59.4	59.3	58.9	58.1	56.8
65	47.6	47.7	48.1	48.7	49.3	50.0	50.6	51.9	52.9	53.2	52.7	52.0	51.3	51.6	51.8	51.6	51.2	50.4	49.2
70	35.9	36.2	36.5	37.0	37.7	38.4	39.0	40.3	41.2	41.5	41.1	40.4	39.6	39.9	40.2	40.0	39.6	38.8	37.7
75	28.0	28.3	28.6	29.2	29.8	30.6	31.1	32.4	33.4	33.7	33.2	32.5	31.7	32.0	32.3	32.2	31.8	31.0	29.9
80	16.0	16.4	16.7	17.4	17.9	18.7	19.3	20.6	21.4	21.8	21.3	20.6	19.6	19.9	20.4	20.2	20.0	19.1	18.2
85	8.15	8.60	8.97	9.62	10.1	10.9	11.4	12.7	13.4	13.8	13.3	12.5	11.6	11.9	12.4	12.4	12.1	11.3	10.4
90	0.75	1.05	1.43	1.81	2.05	2.25	2.34	2.69	3.11	3.14	2.69	2.13	1.53	2.06	2.67	3.03	3.18	3.01	2.73
95	0.72	0.92	1.22	1.45	1.56	1.56	1.50	1.55	1.49	1.54	1.48	1.25	1.09	1.38	1.82	2.11	2.35	2.40	2.32
100	0.69	0.77	1.05	1.27	1.39	1.38	1.32	1.38	1.33	1.34	1.28	1.18	1.18	1.29	1.59	1.89	1.94	2.21	2.13
105	0.66	0.67	0.96	1.16	1.27	1.27	1.22	1.25	1.21	1.24	1.22	1.11	1.18	1.21	1.52	1.61	1.83	1.98	2.03
110	0.61	0.62	0.80	1.02	1.12	1.13	1.09	1.08	1.07	1.16	1.11	0.98	1.09	1.03	1.34	1.60	1.64	1.69	1.83
115	0.57	0.60	0.64	0.91	1.02	1.03	0.98	0.92	0.98	1.04	0.99	0.97	1.06	1.01	1.20	1.41	1.43	1.48	1.70
120	0.51	0.54	0.52	0.66	0.84	0.87	0.84	0.76	0.85	0.88	0.79	0.94	1.02	0.98	0.95	1.19	1.27	1.32	1.47
125	0.46	0.50	0.48	0.51	0.71	0.76	0.73	0.67	0.75	0.71	0.76	0.91	0.99	0.95	0.84	1.03	1.14	1.21	1.31
130	0.40	0.44	0.44	0.41	0.44	0.51	0.46	0.48	0.51	0.58	0.74	0.87	0.92	0.91	0.79	0.77	0.90	0.95	1.06
135	0.34	0.39	0.41	0.40	0.38	0.35	0.33	0.31	0.41	0.57	0.72	0.84	0.88	0.87	0.76	0.66	0.70	0.70	0.85
140	0.31	0.35	0.40	0.40	0.38	0.31	0.26	0.29	0.42	0.56	0.68	0.78	0.82	0.81	0.72	0.61	0.52	0.47	0.52
145	0.32	0.36	0.40	0.41	0.40	0.34	0.29	0.32	0.44	0.56	0.67	0.74	0.78	0.78	0.69	0.60	0.49	0.39	0.39
150	0.35	0.37	0.40	0.42	0.42	0.38	0.35	0.35	0.44	0.54	0.63	0.69	0.72	0.72	0.66	0.58	0.48	0.40	0.38
155	0.37	0.39	0.41	0.43	0.44	0.40	0.36	0.37	0.45	0.55	0.61	0.65	0.67	0.68	0.63	0.57	0.48	0.41	0.38
160	0.40	0.42	0.43	0.44	0.45	0.42	0.39	0.39	0.45	0.53	0.57	0.60	0.61	0.63	0.59	0.55	0.49	0.42	0.39
165	0.44	0.43	0.44	0.45	0.46	0.43	0.40	0.41	0.47	0.52	0.55	0.56	0.58	0.60	0.56	0.53	0.49	0.42	0.41
170	0.46	0.46	0.46	0.46	0.47	0.45	0.42	0.42	0.47	0.51	0.51	0.52	0.53	0.56	0.54	0.51	0.49	0.44	0.43
175	0.48	0.47	0.47	0.47	0.48	0.46	0.44	0.44	0.46	0.49	0.49	0.49	0.50	0.52	0.51	0.50	0.49	0.46	0.45
180	0.49	0.49	0.49	0.49	0.49	0.48	0.46	0.46	0.47	0.48	0.48	0.48	0.48	0.50	0.50	0.49	0.49	0.48	0.46

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

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(4000K)-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) γ (DEC)	285	300	315	330	345														
0	127	127	127	127	127														
5	126	126	126	126	126														
10	124	124	124	124	124														
15	122	122	122	122	122														
20	118	117	117	117	117														
25	114	113	113	113	112														
30	107	106	106	105	105														
35	101	100	99.9	99.7	99.5														
40	91.8	91.0	90.6	90.4	90.4														
45	84.9	84.2	83.9	83.8	83.8														
50	74.3	73.5	73.2	73.2	73.4														
55	66.9	66.2	65.9	66.0	66.1														
60	55.6	54.8	54.6	54.7	54.9														
65	48.0	47.2	46.9	47.0	47.3														
70	36.4	35.7	35.4	35.5	35.7														
75	28.7	27.9	27.5	27.6	27.9														
80	16.9	16.2	15.7	15.8	15.8														
85	9.23	8.51	8.09	8.07	8.14														
90	2.52	2.46	2.24	1.88	1.42														
95	2.29	2.29	2.08	1.72	1.28														
100	2.10	2.10	1.88	1.53	1.11														
105	1.99	1.98	1.75	1.41	0.97														
110	1.78	1.76	1.54	1.20	0.75														
115	1.64	1.62	1.40	1.03	0.70														
120	1.40	1.38	1.14	0.70	0.61														
125	1.24	1.21	0.92	0.56	0.55														
130	0.99	0.90	0.61	0.48	0.45														
135	0.76	0.68	0.49	0.45	0.41														
140	0.45	0.47	0.46	0.43	0.38														
145	0.38	0.45	0.45	0.43	0.39														
150	0.39	0.44	0.45	0.44	0.40														
155	0.41	0.43	0.45	0.43	0.42														
160	0.42	0.44	0.46	0.45	0.44														
165	0.43	0.45	0.45	0.46	0.44														
170	0.45	0.47	0.45	0.46	0.45														
175	0.46	0.47	0.46	0.46	0.45														
180	0.47	0.48	0.48	0.48	0.47														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-21

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: