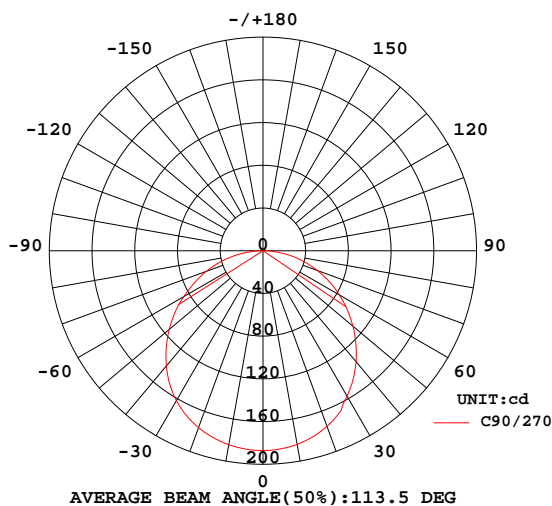


LUMINAIRE PHOTOMETRIC TEST REPORT

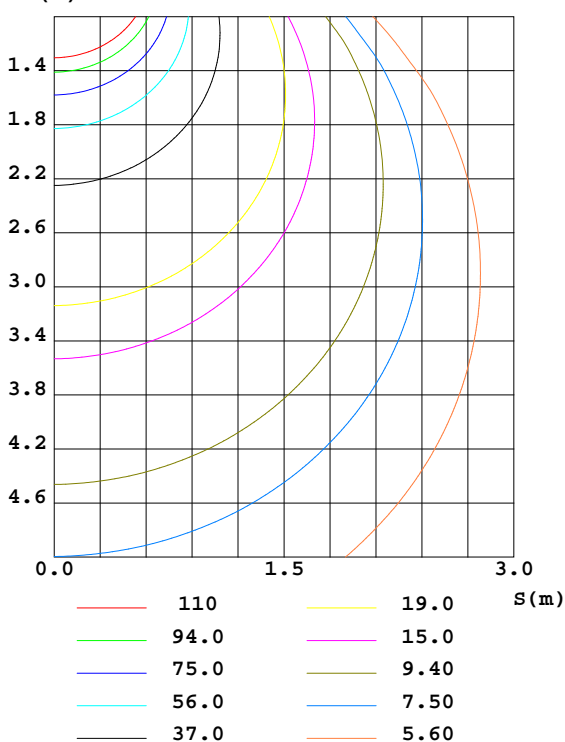
NAME: C-SFR-F22S-VB-D24CC-RGB-84-5050-1M-RGB	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17
MFR.:	SUR.: 16*1000
	PROTECTION ANGLE: /

DATA OF LAMP		PHOTOMETRIC DATA Eff: 32.79 lm/W			
MODEL	5050	Imax(cd)	187.2	S/MH(C0/180)	1.24
NOMINAL POWER(W)	16.5	LOR(%)	151.3	S/MH(C90/270)	1.29
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	559.68	$\eta$ UP,DN(C0-180)	1.1, 74.8
NOMINAL FLUX(lm)	370	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	1.4, 74.0
LAMPS INSIDE	1	$\eta$ up(%)	2.5	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	148.8	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: 2018-08-20

$\gamma$  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	183.0	183.5	184.4	184.7	184.4	184.4	184.1	183.3	0- 10	17.71	17.71	3.16,4.79
20	172.5	174.1	176.4	176.4	175.0	175.5	175.1	173.4	10- 20	50.86	68.57	12.3,18.5
30	156.0	156.5	162.2	159.8	157.5	160.3	157.4	157.3	20- 30	77.20	145.8	26,39.4
40	134.5	135.7	140.9	139.9	137.0	139.4	135.7	135.6	30- 40	92.89	238.7	42.6,64.5
50	109.4	110.3	114.7	115.0	112.8	114.3	110.0	110.1	40- 50	96.53	335.2	59.9,90.6
60	80.85	82.76	85.70	87.53	85.96	86.06	82.45	81.12	50- 60	88.07	423.3	75.6,114
70	52.62	54.35	56.48	59.08	57.73	57.02	54.31	52.76	60- 70	69.15	492.4	88,133
80	23.44	25.53	27.70	30.17	28.64	28.03	25.75	23.95	70- 80	43.44	535.9	95.7,145
90	1.593	2.693	3.193	3.944	2.430	3.589	3.655	3.498	80- 90	14.53	550.4	98.3,149
100	1.516	2.043	1.649	1.661	1.648	2.312	2.750	2.922	90-100	2.571	552.9	98.8,149
110	1.399	1.710	1.374	1.439	1.529	1.973	2.389	2.502	100-110	2.032	555.0	99.2,150
120	1.231	1.330	1.125	1.222	1.432	1.524	1.889	1.949	110-120	1.604	556.6	99.4,150
130	1.014	0.9512	0.8151	0.9321	1.318	1.041	1.368	1.182	120-130	1.149	557.7	99.7,151
140	0.8055	0.8781	0.5106	0.8644	1.179	0.8918	0.7302	0.9215	130-140	0.7499	558.5	99.8,151
150	0.7457	0.8266	0.6028	0.8476	1.068	0.8321	0.6680	0.8048	140-150	0.5206	559.0	99.9,151
160	0.7674	0.7995	0.6842	0.8482	0.9571	0.8483	0.6762	0.7750	150-160	0.3701	559.4	99.9,151
170	0.7836	0.7860	0.7439	0.8297	0.8730	0.8348	0.7522	0.7939	160-170	0.2261	559.6	100,151
180	0.8108	0.8239	0.7956	0.8157	0.8135	0.8158	0.7956	0.8211	170-180	0.0766	559.7	100,151
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

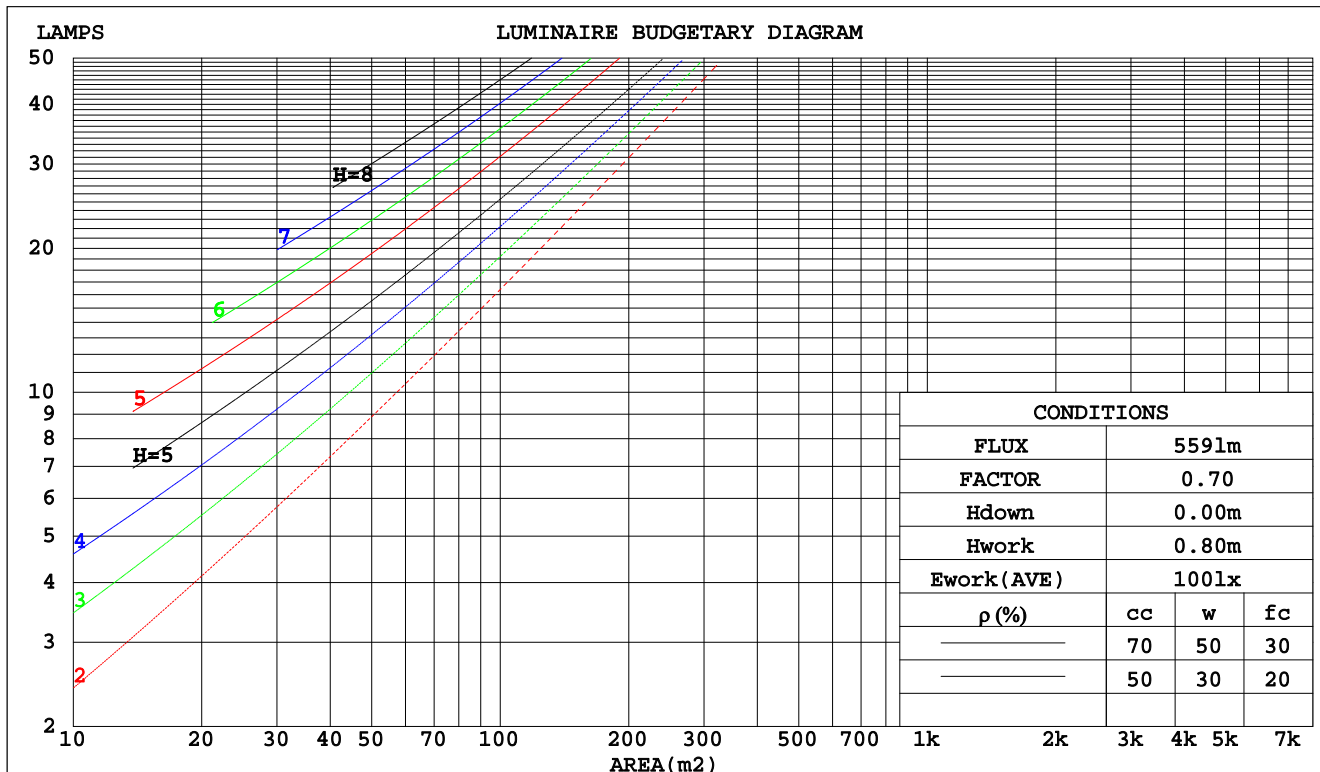
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-20

$\gamma$  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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17	SERIAL No.:
MFR.:	SUR.: 16*1000	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	1.79	1.79	1.79	1.75	1.75	1.75	1.67	1.67	1.67	1.59	1.59	1.59	1.52	1.52	1.52	1.49
1.0	1.56	1.49	1.43	1.52	1.46	1.40	1.45	1.40	1.35	1.39	1.34	1.31	1.33	1.29	1.26	1.23
2.0	1.35	1.24	1.15	1.32	1.22	1.14	1.26	1.18	1.11	1.21	1.14	1.08	1.16	1.10	1.05	1.02
3.0	1.18	1.06	.96	1.16	1.04	.94	1.11	1.01	.92	1.06	.98	.91	1.02	.95	.89	.85
4.0	1.05	.91	.81	1.02	.90	.80	.98	.87	.79	.94	.85	.77	.91	.83	.76	.72
5.0	.93	.79	.69	.91	.78	.69	.88	.77	.68	.85	.75	.67	.82	.73	.66	.62
6.0	.84	.70	.60	.82	.69	.60	.79	.68	.59	.77	.66	.58	.74	.65	.58	.55
7.0	.76	.63	.53	.75	.62	.53	.72	.61	.52	.70	.59	.52	.67	.58	.51	.48
8.0	.69	.56	.47	.68	.56	.47	.66	.55	.47	.64	.54	.46	.62	.53	.46	.43
9.0	.64	.51	.43	.63	.51	.42	.61	.50	.42	.59	.49	.42	.57	.48	.41	.39
10.0	.59	.47	.39	.58	.46	.38	.56	.45	.38	.54	.45	.38	.53	.44	.38	.35



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-08-20

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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT:325g/m
DIM.:	SPEC.:16*17	SERIAL No.:
MFR.:	SUR.:16*1000	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	.487	.277	.088	.475	.271	.086	.453	.260	.083	.434	.250	.080	.415	.241	.078		
2.0	.452	.248	.076	.442	.243	.075	.423	.235	.073	.405	.227	.071	.389	.220	.069		
3.0	.416	.221	.066	.407	.218	.066	.390	.211	.064	.374	.205	.063	.360	.199	.062		
4.0	.382	.199	.058	.374	.196	.058	.359	.190	.057	.345	.185	.056	.332	.180	.055		
5.0	.352	.179	.052	.345	.177	.052	.332	.173	.051	.319	.168	.050	.307	.164	.049		
6.0	.326	.163	.047	.320	.161	.046	.308	.158	.046	.296	.154	.045	.286	.150	.045		
7.0	.303	.150	.042	.297	.148	.042	.286	.145	.042	.276	.142	.041	.267	.139	.041		
8.0	.283	.138	.039	.277	.137	.039	.268	.134	.038	.259	.131	.038	.250	.128	.037		
9.0	.265	.128	.036	.260	.127	.036	.251	.124	.035	.243	.122	.035	.235	.119	.035		
10.0	.248	.119	.033	.244	.118	.033	.236	.116	.033	.229	.114	.032	.222	.112	.032		

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	.307	.307	.307	.263	.263	.263	.179	.179	.179	.103	.103	.103	.033	.033	.033	
1.0	.293	.255	.221	.251	.219	.190	.172	.151	.132	.099	.087	.077	.032	.028	.025	
2.0	.281	.219	.166	.241	.188	.144	.165	.130	.100	.095	.076	.059	.031	.025	.019	
3.0	.270	.192	.131	.231	.166	.113	.159	.115	.080	.092	.067	.047	.029	.022	.015	
4.0	.258	.173	.107	.222	.149	.093	.152	.104	.065	.088	.061	.039	.028	.020	.013	
5.0	.247	.157	.090	.212	.136	.079	.146	.095	.056	.085	.056	.033	.027	.018	.011	
6.0	.236	.144	.079	.203	.125	.068	.140	.087	.048	.081	.051	.029	.026	.017	.010	
7.0	.225	.134	.070	.194	.116	.061	.134	.081	.043	.078	.048	.026	.025	.016	.008	
8.0	.216	.125	.063	.186	.109	.055	.128	.076	.039	.075	.045	.023	.024	.015	.008	
9.0	.206	.118	.058	.178	.102	.050	.123	.072	.036	.072	.042	.021	.023	.014	.007	
10.0	.198	.111	.054	.170	.097	.047	.118	.068	.033	.069	.040	.020	.022	.013	.007	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-20

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-RGB-84-5050-1M-RGB						TYPE:			WEIGHT:325g/m		
DIM.:						SPEC.:16*17			SERIAL No.:		
MFR.:						SUR.:16*1000			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	20.8	22.3	21.1	22.6	22.8	21.0	22.5	21.3	22.8	23.0	
	3H	22.4	23.8	22.7	24.1	24.4	22.7	24.1	23.0	24.4	24.6
	4H	23.1	24.4	23.4	24.7	25.0	23.4	24.8	23.8	25.0	25.3
	6H	23.6	24.8	23.9	25.1	25.5	24.0	25.3	24.4	25.6	25.9
	8H	23.7	25.0	24.1	25.3	25.6	24.2	25.4	24.6	25.8	26.1
	12H	23.8	25.0	24.2	25.3	25.6	24.4	25.5	24.8	25.9	26.2
4H	2H	21.5	22.8	21.8	23.1	23.4	21.6	23.0	22.0	23.3	23.5
	3H	23.3	24.4	23.6	24.8	25.1	23.5	24.7	23.9	25.0	25.3
	4H	24.1	25.1	24.5	25.5	25.9	24.4	25.4	24.8	25.8	26.2
	6H	24.7	25.7	25.1	26.0	26.4	25.1	26.0	25.5	26.4	26.8
	8H	24.9	25.8	25.3	26.2	26.6	25.4	26.3	25.8	26.7	27.1
	12H	25.0	25.8	25.5	26.3	26.7	25.6	26.4	26.0	26.8	27.3
8H	4H	24.4	25.3	24.8	25.7	26.1	24.6	25.5	25.1	25.9	26.4
	6H	25.2	25.9	25.7	26.4	26.8	25.6	26.3	26.0	26.7	27.2
	8H	25.5	26.1	26.0	26.6	27.1	25.9	26.6	26.4	27.0	27.5
	12H	25.7	26.3	26.2	26.7	27.2	26.2	26.8	26.7	27.3	27.8
12H	4H	24.4	25.2	24.9	25.7	26.1	24.7	25.5	25.1	25.9	26.3
	6H	25.3	25.9	25.8	26.4	26.9	25.6	26.3	26.1	26.7	27.2
	8H	25.6	26.2	26.1	26.7	27.2	26.0	26.6	26.6	27.1	27.6
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 / - 0.2					

CIE Pub.117 Corrected 370.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.5)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-20

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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17	SERIAL No.:
MFR.:	SUR.: 16*1000	PROTECTION ANGLE: /

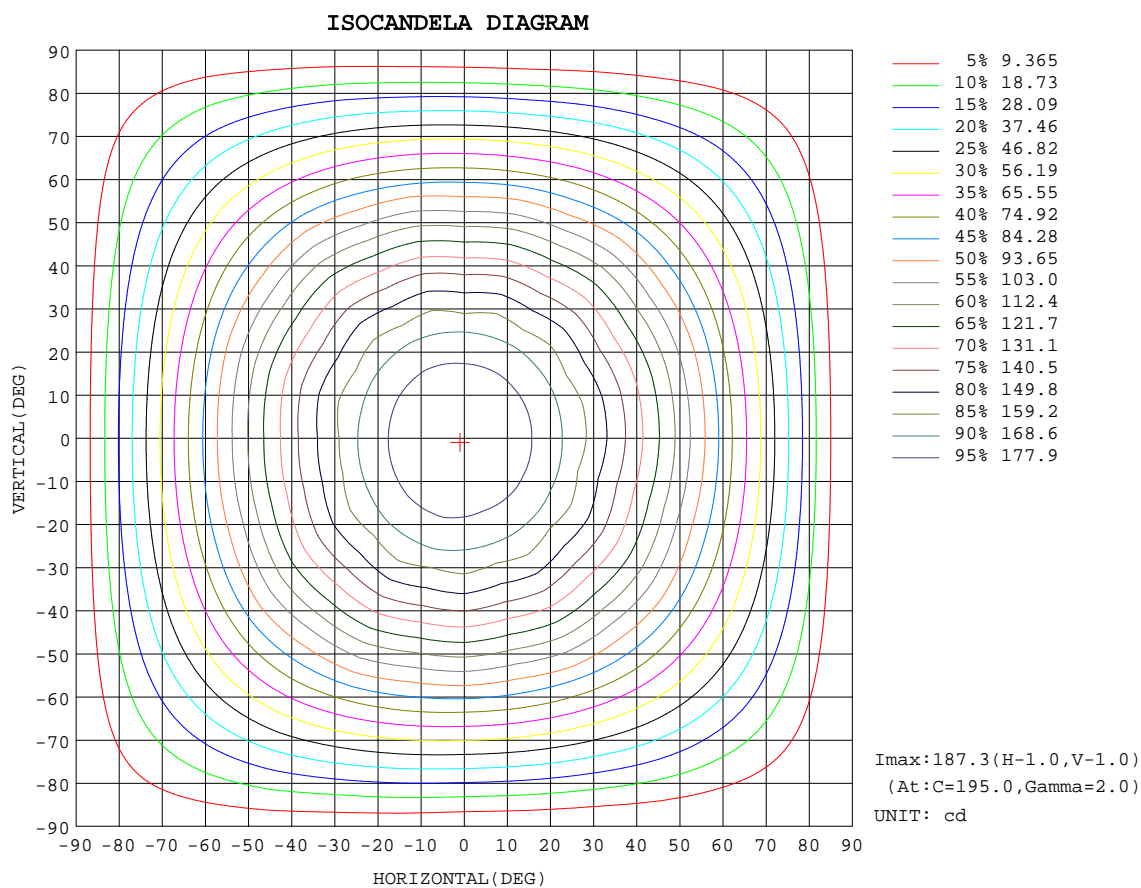
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	85	68	57	84	67	57	82	66	56	47
0.80	100	82	71	99	82	71	96	80	70	59
1.00	113	96	84	111	95	84	107	97	83	72
1.25	124	107	96	121	106	95	117	104	94	83
1.50	131	116	105	128	114	104	124	111	102	90
2.00	142	128	118	139	126	117	133	123	114	102
2.50	148	135	126	144	133	124	138	129	121	108
3.00	153	142	133	149	139	131	143	135	128	114
4.00	159	150	143	155	147	140	148	142	136	122
5.00	163	155	149	159	152	146	152	146	141	126
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: 2018-08-20

$\gamma$  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:

### ISOCANDELA DIAGRAM

NAME: C-SFR-F22S-VB-D24CC-RGB-84-5050-1M-RGB	TYPE:	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17	SERIAL No.:
MFR.:	SUR.: 16*1000	PROTECTION ANGLE: /

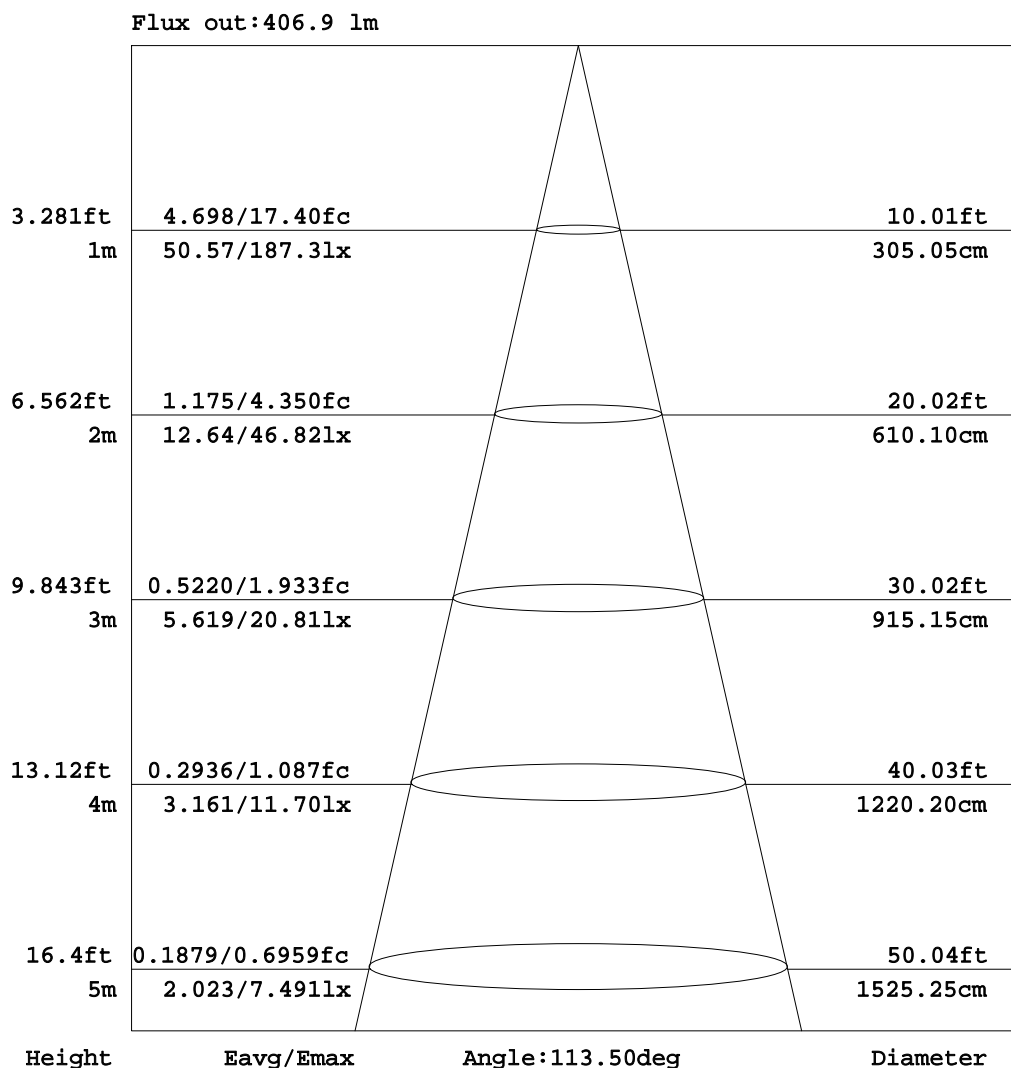


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-08-20

$\gamma$  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-RGB-84-5050-1M-RGBE:	WEIGHT:325g/m
DIM.:	SPEC.:16*17
MFR.:	SUR.:16*1000
	PROTECTION ANGLE:/



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

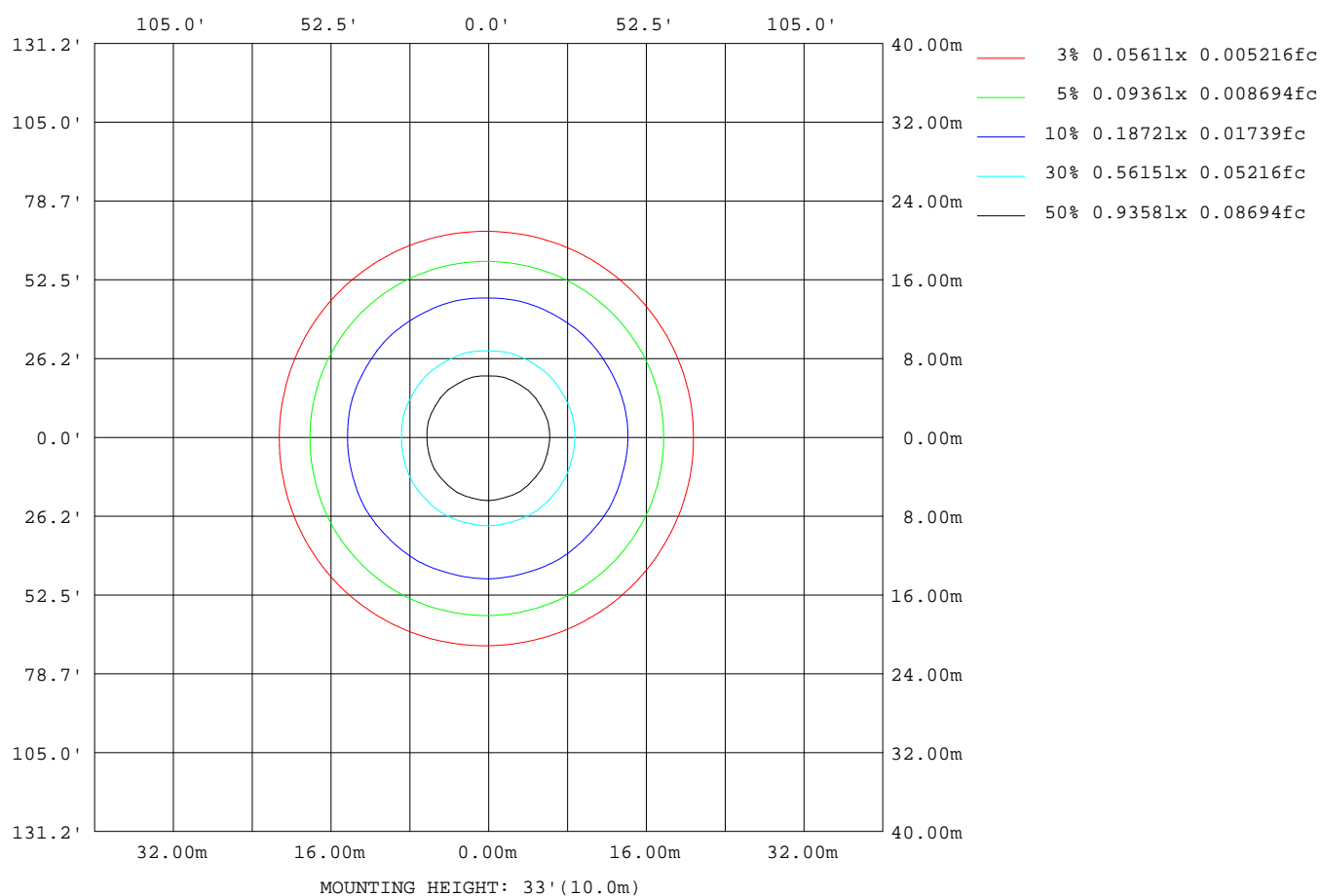
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-20

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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17	SERIAL No.:
MFR.:	SUR.: 16*1000	PROTECTION ANGLE: /



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-08-20

$\gamma$  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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT:325g/m
DIM.:	SPEC.:16*17	SERIAL No.:
MFR.:	SUR.:16*1000	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	370	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	10460	10341	10407	10568	10542	10624	10804	10759	10810	10965	10933	11011	11181	11103	11094	11158	10992	10869	10870
60	10106	10129	10166	10218	10302	10377	10440	10521	10617	10712	10747	10874	11048	10982	10986	11061	10894	10763	10745
65	9886	9921	9959	10010	10102	10187	10259	10351	10421	10477	10586	10690	10770	10839	10850	10805	10746	10689	10649
70	9616	9653	9702	9767	9876	9975	10058	10170	10255	10322	10461	10591	10689	10772	10791	10744	10671	10600	10550
75	9189	9269	9340	9418	9568	9698	9801	9957	10075	10168	10360	10523	10631	10744	10766	10696	10619	10528	10443
80	8437	8574	8699	8836	9070	9268	9422	9649	9826	9969	10265	10505	10649	10810	10839	10732	10615	10463	10308
85	6568	7018	7309	7545	8061	8418	8611	9082	9414	9632	10247	10584	10633	11074	11207	10955	10765	10445	10080

Table 2. Average Luminance(cd/sq.m.) for defined C plane,Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	11207	200	---	500
Category 2	65 to 90	11207	200	---	500
Category 3	75 to 90	11207	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:2018-08-20

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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT: 325g/m
DIM.:	SPEC.: 16*17	SERIAL No.:
MFR.:	SUR.: 16*1000	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	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187	187
5	186	186	186	186	186	187	187	187	187	187	187	187	187	187	187	187	187	187	187
10	183	183	183	184	184	184	184	185	185	185	185	184	184	184	185	184	185	184	184
15	180	180	180	180	181	181	182	182	182	182	182	182	181	181	182	182	182	182	181
20	173	173	173	174	175	176	176	177	177	176	176	175	175	175	175	175	176	176	175
25	167	167	167	169	170	171	171	172	172	171	170	170	170	170	170	170	171	170	170
30	156	154	157	157	160	159	162	161	163	160	161	158	157	160	158	160	159	160	157
35	148	146	149	149	152	152	154	153	155	152	153	150	150	152	150	153	151	152	149
40	134	133	136	136	139	138	141	140	142	140	141	138	137	139	137	139	137	139	136
45	125	124	126	126	129	128	131	130	132	130	131	128	128	130	128	130	128	129	126
50	109	108	111	110	113	112	115	114	117	115	116	113	113	114	113	114	112	113	110
55	98.7	97.6	99.7	99.4	102	101	103	103	105	104	105	103	102	104	102	103	101	102	99.3
60	80.8	81.2	81.7	82.8	83.5	84.5	85.7	86.2	88.4	87.5	88.5	86.4	86.0	86.6	85.9	86.1	84.7	83.6	82.4
65	69.7	70.0	70.5	71.5	72.2	73.1	73.7	74.8	75.7	76.3	75.9	75.3	74.8	74.7	74.7	74.1	73.4	72.4	71.3
70	52.6	53.0	53.4	54.4	55.0	55.9	56.5	57.6	58.5	59.1	58.8	58.2	57.7	57.7	57.6	57.0	56.4	55.5	54.3
75	41.0	41.4	41.9	42.8	43.5	44.4	44.9	46.2	46.9	47.5	47.2	46.7	46.1	46.1	46.0	45.5	44.9	43.8	42.9
80	23.4	24.0	24.5	25.5	26.2	27.1	27.7	28.9	29.6	30.2	29.8	29.3	28.6	28.4	28.6	28.0	27.7	26.5	25.8
85	11.9	12.8	13.2	14.3	14.8	15.8	16.3	17.5	17.6	18.6	18.2	17.7	16.9	16.9	17.1	16.6	16.2	15.2	14.5
90	1.59	1.98	2.37	2.69	2.88	3.05	3.19	3.62	3.71	3.94	3.56	3.04	2.43	2.80	3.35	3.59	3.87	3.82	3.65
95	1.55	1.85	2.20	2.33	2.27	2.05	1.90	1.95	2.06	1.96	1.89	1.77	1.63	1.93	2.41	2.48	2.77	3.03	3.01
100	1.52	1.65	1.90	2.04	2.03	1.81	1.65	1.73	1.74	1.66	1.69	1.62	1.65	1.75	2.10	2.31	2.41	2.48	2.75
105	1.48	1.50	1.77	1.89	1.88	1.67	1.52	1.61	1.58	1.53	1.63	1.54	1.57	1.62	2.02	2.08	2.33	2.36	2.62
110	1.40	1.43	1.58	1.71	1.70	1.51	1.37	1.41	1.39	1.44	1.49	1.42	1.53	1.43	1.77	1.97	2.07	2.10	2.39
115	1.34	1.39	1.37	1.57	1.59	1.40	1.28	1.32	1.28	1.40	1.38	1.40	1.50	1.40	1.58	1.82	1.93	2.01	2.22
120	1.23	1.29	1.21	1.33	1.38	1.23	1.12	1.15	1.11	1.22	1.19	1.35	1.43	1.34	1.28	1.52	1.58	1.78	1.89
125	1.15	1.21	1.15	1.08	1.24	1.10	1.01	1.03	1.00	1.10	1.14	1.32	1.39	1.31	1.19	1.34	1.48	1.63	1.67
130	1.01	1.09	1.05	0.95	0.88	0.86	0.82	0.83	0.84	0.93	1.09	1.26	1.32	1.24	1.11	1.04	1.19	1.24	1.37
135	0.92	0.99	0.98	0.92	0.80	0.63	0.60	0.64	0.73	0.89	1.07	1.22	1.26	1.20	1.08	0.96	0.95	1.01	1.12
140	0.81	0.88	0.91	0.88	0.77	0.60	0.51	0.59	0.70	0.86	1.03	1.15	1.18	1.13	1.02	0.89	0.79	0.72	0.73
145	0.75	0.82	0.88	0.86	0.78	0.63	0.55	0.60	0.71	0.86	1.00	1.11	1.14	1.10	0.99	0.86	0.77	0.68	0.67
150	0.75	0.80	0.83	0.83	0.79	0.67	0.60	0.64	0.72	0.85	0.96	1.04	1.07	1.04	0.97	0.83	0.74	0.67	0.67
155	0.75	0.79	0.81	0.81	0.80	0.70	0.64	0.67	0.73	0.85	0.94	1.00	1.02	1.00	0.95	0.84	0.74	0.67	0.68
160	0.77	0.79	0.81	0.80	0.79	0.73	0.68	0.69	0.75	0.85	0.90	0.94	0.96	0.95	0.92	0.85	0.77	0.70	0.68
165	0.78	0.80	0.80	0.79	0.79	0.75	0.70	0.72	0.77	0.84	0.88	0.90	0.92	0.91	0.89	0.85	0.79	0.73	0.70
170	0.78	0.79	0.78	0.79	0.80	0.79	0.74	0.75	0.79	0.83	0.85	0.86	0.87	0.88	0.86	0.83	0.81	0.75	0.75
175	0.79	0.79	0.79	0.80	0.81	0.80	0.77	0.77	0.79	0.82	0.83	0.83	0.84	0.84	0.84	0.82	0.82	0.80	0.78
180	0.81	0.81	0.82	0.82	0.84	0.84	0.80	0.81	0.80	0.82	0.81	0.81	0.81	0.82	0.82	0.82	0.83	0.83	0.80

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-08-20

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-RGB-84-5050-1M-RGB	TYPE:	WEIGHT:325g/m
DIM.:	SPEC.:16*17	SERIAL No.:
MFR.:	SUR.:16*1000	PROTECTION ANGLE:/

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	187	187	187	187	187														
5	186	186	186	186	186														
10	184	184	183	183	183														
15	181	181	180	180	180														
20	174	174	173	173	173														
25	169	168	168	167	167														
30	159	156	157	155	156														
35	150	148	149	147	148														
40	137	134	136	133	135														
45	127	125	126	124	125														
50	111	109	110	108	110														
55	99.8	98.2	99.2	97.7	98.9														
60	81.7	81.4	81.1	81.0	81.0														
65	70.5	70.2	69.9	69.8	69.8														
70	53.6	53.2	52.8	52.8	52.8														
75	42.1	41.8	41.3	41.2	41.1														
80	24.8	24.6	24.0	24.0	23.7														
85	13.7	13.5	12.9	12.8	12.5														
90	3.66	3.70	3.50	3.07	2.56														
95	3.10	3.24	3.16	2.81	2.36														
100	2.84	2.98	2.92	2.58	2.12														
105	2.70	2.83	2.76	2.43	1.96														
110	2.45	2.56	2.50	2.17	1.67														
115	2.26	2.38	2.30	1.95	1.59														
120	1.97	2.05	1.95	1.49	1.47														
125	1.74	1.81	1.66	1.36	1.39														
130	1.41	1.41	1.18	1.22	1.27														
135	1.13	1.05	1.04	1.12	1.17														
140	0.73	0.86	0.92	0.98	1.01														
145	0.70	0.80	0.86	0.90	0.91														
150	0.68	0.76	0.80	0.83	0.80														
155	0.68	0.75	0.79	0.80	0.78														
160	0.72	0.74	0.78	0.78	0.77														
165	0.73	0.75	0.77	0.78	0.78														
170	0.77	0.77	0.79	0.78	0.77														
175	0.78	0.79	0.80	0.79	0.78														
180	0.80	0.80	0.82	0.81	0.80														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-08-20

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: