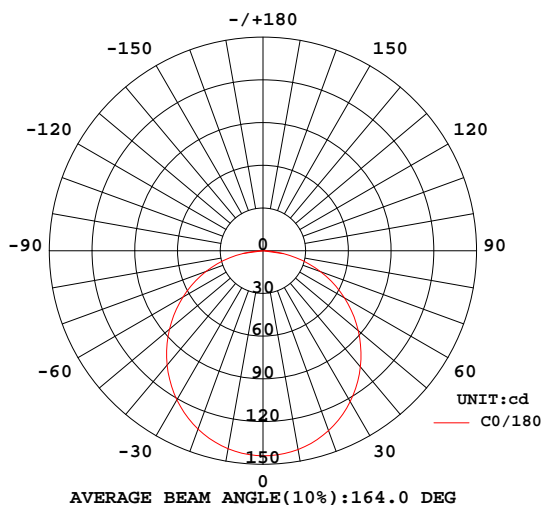


LUMINAIRE PHOTOMETRIC TEST REPORT

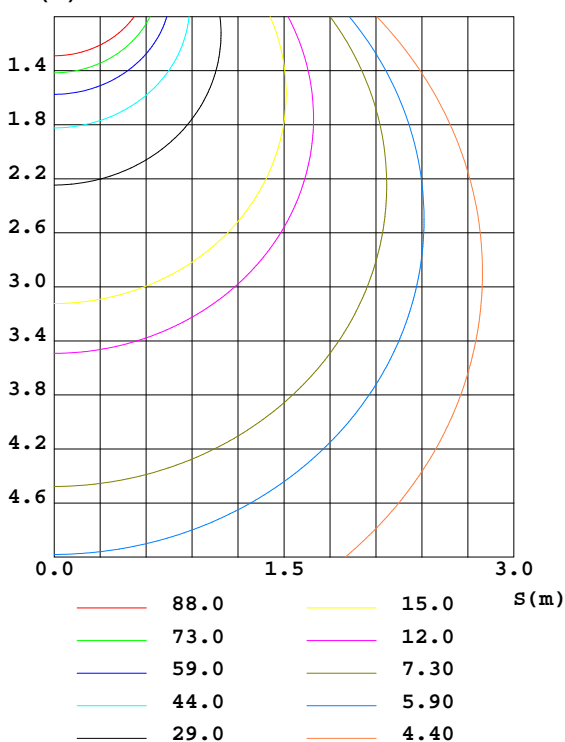
NAME: C-SFR-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 39.19 lm/W			
MODEL	2835	Imax(cd)	144.6	S/MH(C0/180)	1.25
NOMINAL POWER(W)	12	LOR(%)	100.3	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	427.99	η UP,DN(C0-180)	0.6,45.6
NOMINAL FLUX(lm)	426.63	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,53.5
LAMPS INSIDE	1	η up(%)	1.2	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.1	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:  
Test Date:2018-06-28

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:

### ZONAL FLUX DIAGRAM

#### ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	141.2	139.4	138.9	140.0	141.7	143.5	143.8	142.9	0- 10	13.62	13.62	3.18,3.19
20	133.3	129.8	128.7	131.0	134.4	137.9	138.5	136.6	10- 20	39.00	52.62	12.3,12.3
30	120.9	115.9	114.3	117.4	122.4	127.4	128.3	125.6	20- 30	59.07	111.7	26.1,26.2
40	104.8	98.58	96.45	100.3	106.4	112.5	113.6	110.4	30- 40	71.24	182.9	42.7,42.9
50	85.75	78.78	76.37	80.39	87.34	94.21	95.44	92.05	40- 50	74.17	257.1	60.1,60.3
60	64.81	57.66	55.11	59.09	65.96	73.33	74.70	71.31	50- 60	67.93	325.0	75.9,76.2
70	42.65	35.60	33.02	36.57	43.10	50.84	52.56	49.31	60- 70	53.68	378.7	88.5,88.8
80	19.19	13.10	10.86	13.69	19.04	27.11	29.45	26.13	70- 80	33.17	411.9	96.2,96.5
90	0.0107	0.8545	1.371	1.886	1.703	5.081	6.944	4.338	80- 90	10.93	422.8	98.8,99.1
100	0	0.6578	1.099	1.574	1.560	1.433	0.7400	0.3805	90-100	1.553	424.4	99.2,99.5
110	0.0221	0.5881	0.9313	1.350	1.381	1.264	0.5571	0.3627	100-110	0.9367	425.3	99.4,99.7
120	0.1303	0.5757	0.8283	1.116	1.226	1.089	0.5496	0.4256	110-120	0.7753	426.1	99.6,99.9
130	0.2362	0.5607	0.7479	0.9318	1.063	0.9073	0.5746	0.4786	120-130	0.6363	426.7	99.7,100
140	0.3150	0.5082	0.6652	0.7555	0.9080	0.7304	0.5627	0.4836	130-140	0.4948	427.2	99.8,100
150	0.3863	0.4337	0.5523	0.5869	0.7530	0.5608	0.5294	0.3981	140-150	0.3541	427.6	99.9,100
160	0.4479	0.4860	0.4767	0.5415	0.6201	0.4735	0.4091	0.4408	150-160	0.2300	427.8	100,100
170	0.4996	0.5333	0.5245	0.5114	0.5266	0.4834	0.4945	0.5062	160-170	0.1402	427.9	100,100
180	0.5439	0.5532	0.5571	0.5542	0.5439	0.5408	0.5596	0.5441	170-180	0.0500	428.0	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

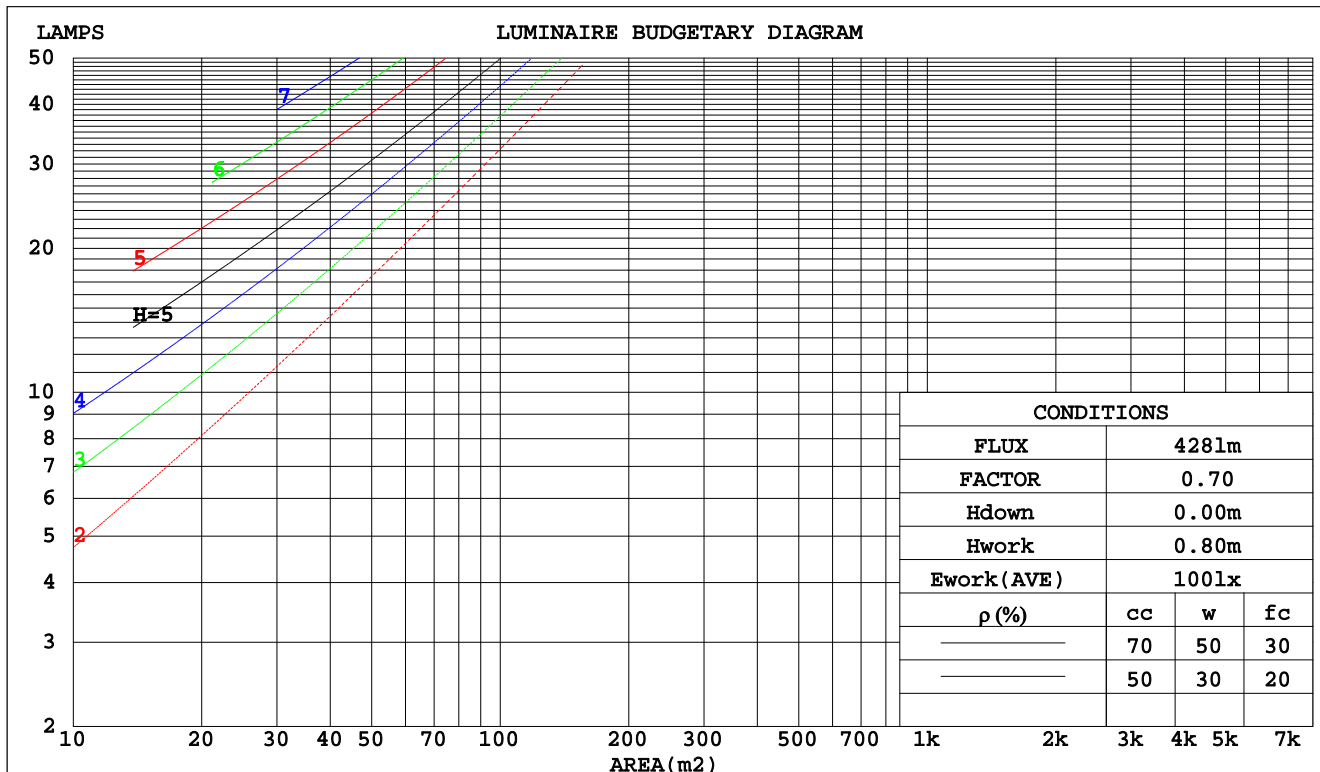
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
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	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.99
1.0	1.03	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.76	.72	.77	.73	.70	.68
3.0	.79	.70	.63	.77	.69	.63	.74	.67	.61	.71	.65	.60	.68	.63	.59	.57
4.0	.69	.60	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.50	.44	.54	.48	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.36	.31	.41	.35	.30	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.32	.28	.38	.32	.27	.26
10.0	.39	.31	.26	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
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	.323	.183	.058	.315	.180	.057	.301	.173	.055	.288	.166	.053	.276	.160	.052		
2.0	.300	.165	.050	.294	.162	.050	.281	.156	.049	.270	.151	.047	.259	.146	.046		
3.0	.276	.147	.044	.270	.145	.044	.259	.140	.043	.249	.136	.042	.239	.133	.041		
4.0	.254	.132	.039	.249	.130	.038	.239	.127	.038	.230	.123	.037	.221	.120	.037		
5.0	.234	.119	.035	.229	.118	.034	.221	.115	.034	.212	.112	.033	.205	.109	.033		
6.0	.216	.109	.031	.212	.107	.031	.205	.105	.030	.197	.102	.030	.190	.100	.030		
7.0	.201	.099	.028	.197	.098	.028	.190	.096	.028	.184	.094	.027	.178	.092	.027		
8.0	.188	.092	.026	.184	.091	.026	.178	.089	.025	.172	.087	.025	.167	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.152	.076	.022	.148	.074	.021		

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	.200	.200	.200	.171	.171	.171	.117	.117	.117	.067	.067	.067	.021	.021	.021	
1.0	.191	.166	.143	.163	.142	.123	.112	.098	.085	.064	.057	.050	.021	.018	.016	
2.0	.183	.142	.107	.157	.122	.092	.108	.084	.064	.062	.049	.038	.020	.016	.012	
3.0	.175	.124	.083	.150	.107	.072	.103	.074	.051	.060	.043	.030	.019	.014	.010	
4.0	.168	.111	.067	.144	.096	.059	.099	.067	.041	.057	.039	.024	.018	.013	.008	
5.0	.160	.100	.056	.138	.087	.049	.095	.061	.035	.055	.036	.021	.018	.012	.007	
6.0	.153	.092	.048	.131	.080	.042	.091	.056	.030	.053	.033	.018	.017	.011	.006	
7.0	.146	.085	.043	.126	.074	.037	.087	.052	.026	.050	.031	.016	.016	.010	.005	
8.0	.139	.079	.038	.120	.069	.033	.083	.048	.024	.048	.029	.014	.016	.009	.005	
9.0	.133	.074	.035	.115	.065	.030	.080	.045	.022	.046	.027	.013	.015	.009	.004	
10.0	.128	.070	.032	.110	.061	.028	.076	.043	.020	.044	.025	.012	.014	.008	.004	

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M						TYPE:					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	19.9	21.4	20.2	21.6	21.9	19.2	20.7	19.5	20.9	21.2					
3H	21.6	23.0	21.9	23.2	23.5	20.6	22.0	20.9	22.2	22.5					
4H	22.3	23.6	22.6	23.9	24.2	21.1	22.4	21.4	22.7	23.0					
6H	22.8	24.0	23.1	24.3	24.6	21.3	22.6	21.7	22.9	23.2					
8H	22.9	24.2	23.3	24.5	24.8	21.4	22.6	21.7	22.9	23.2					
12H	23.0	24.2	23.4	24.5	24.9	21.3	22.5	21.7	22.8	23.2					
4H 2H	20.4	21.7	20.7	22.0	22.3	19.8	21.2	20.2	21.5	21.7					
3H	22.2	23.4	22.6	23.7	24.0	21.4	22.6	21.8	22.9	23.2					
4H	23.0	24.1	23.4	24.5	24.8	22.0	23.1	22.4	23.4	23.8					
6H	23.7	24.6	24.1	25.0	25.4	22.4	23.3	22.8	23.7	24.1					
8H	23.9	24.8	24.3	25.2	25.6	22.4	23.3	22.8	23.7	24.1					
12H	24.0	24.8	24.5	25.2	25.7	22.4	23.2	22.9	23.6	24.1					
8H 4H	23.2	24.1	23.6	24.5	24.9	22.3	23.2	22.7	23.6	24.0					
6H	24.0	24.7	24.4	25.1	25.6	22.7	23.5	23.2	23.9	24.4					
8H	24.2	24.9	24.7	25.3	25.8	22.8	23.5	23.3	23.9	24.4					
12H	24.4	25.0	24.9	25.4	26.0	22.8	23.4	23.3	23.9	24.4					
12H 4H	23.2	24.0	23.6	24.4	24.8	22.3	23.1	22.7	23.5	24.0					
6H	24.0	24.6	24.4	25.1	25.5	22.8	23.4	23.3	23.9	24.4					
8H	24.3	24.8	24.8	25.3	25.8	22.9	23.5	23.4	23.9	24.4					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2									
1.5H	+ 0.1 / - 0.2					+ 0.2 / - 0.3									
2.0H	+ 0.2 / - 0.3					+ 0.2 / - 0.3									

CIE Pub.117 Corrected 426.6 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.0)

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

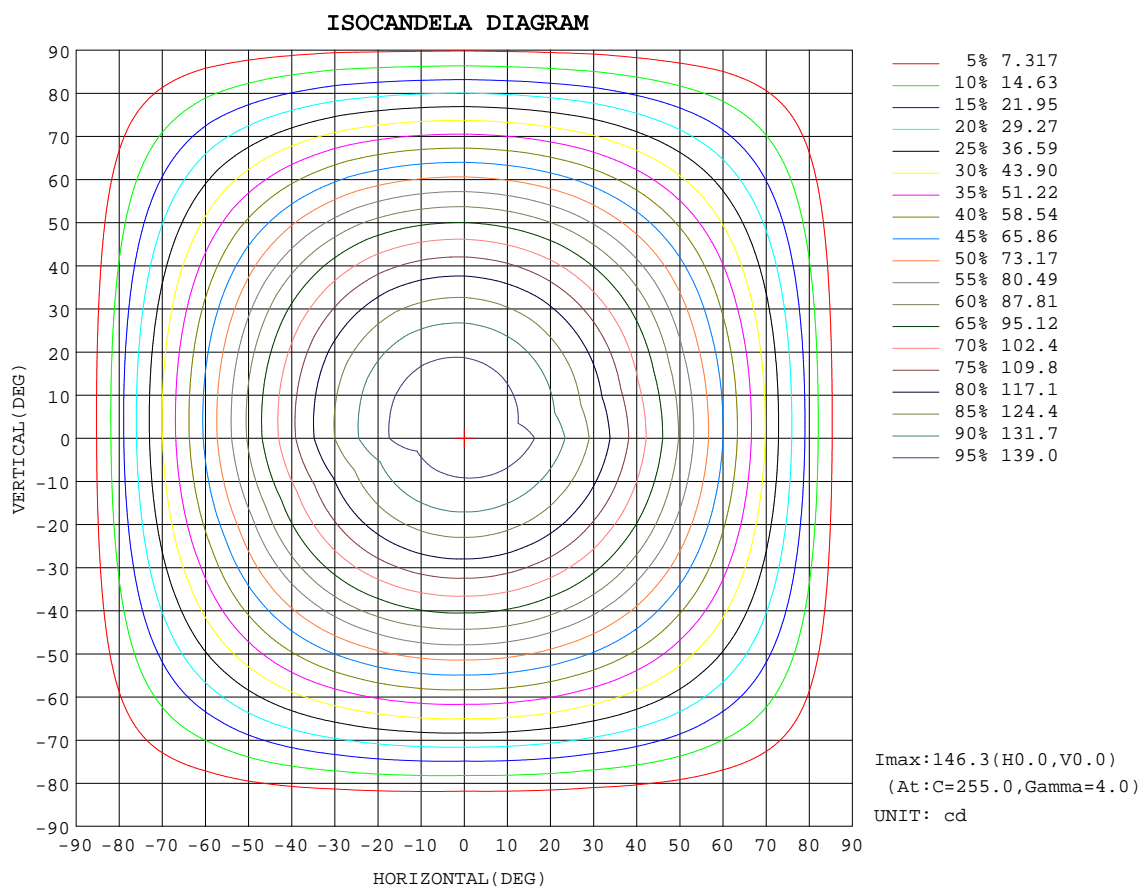
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	66	54	47	64	53	47	40
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	70	63	78	69	63	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	94	89	99	93	87	95	90	85	76
4.00	106	100	95	103	98	93	99	94	90	81
5.00	108	103	99	106	101	97	101	97	94	84
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:  
Test Date:2018-06-28

$\gamma$  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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

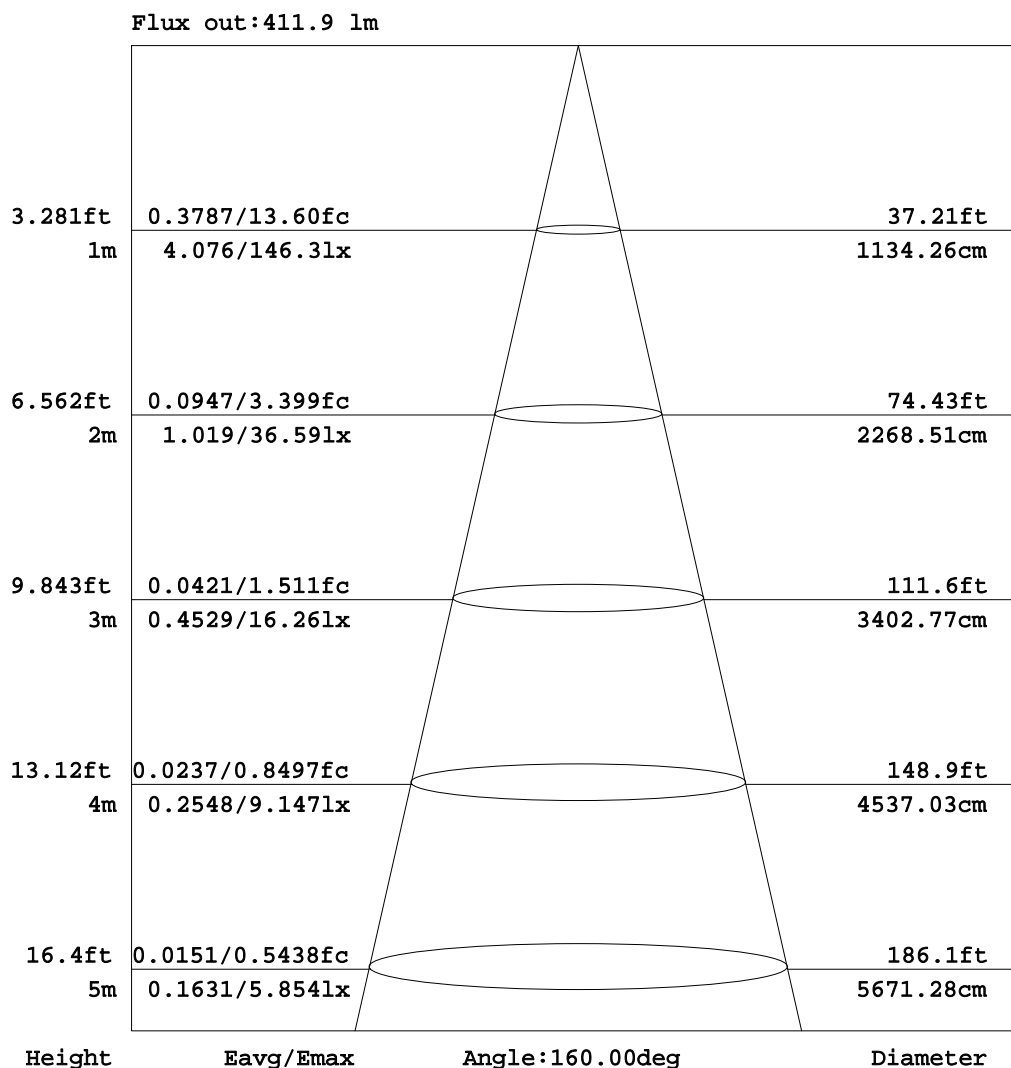


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	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.

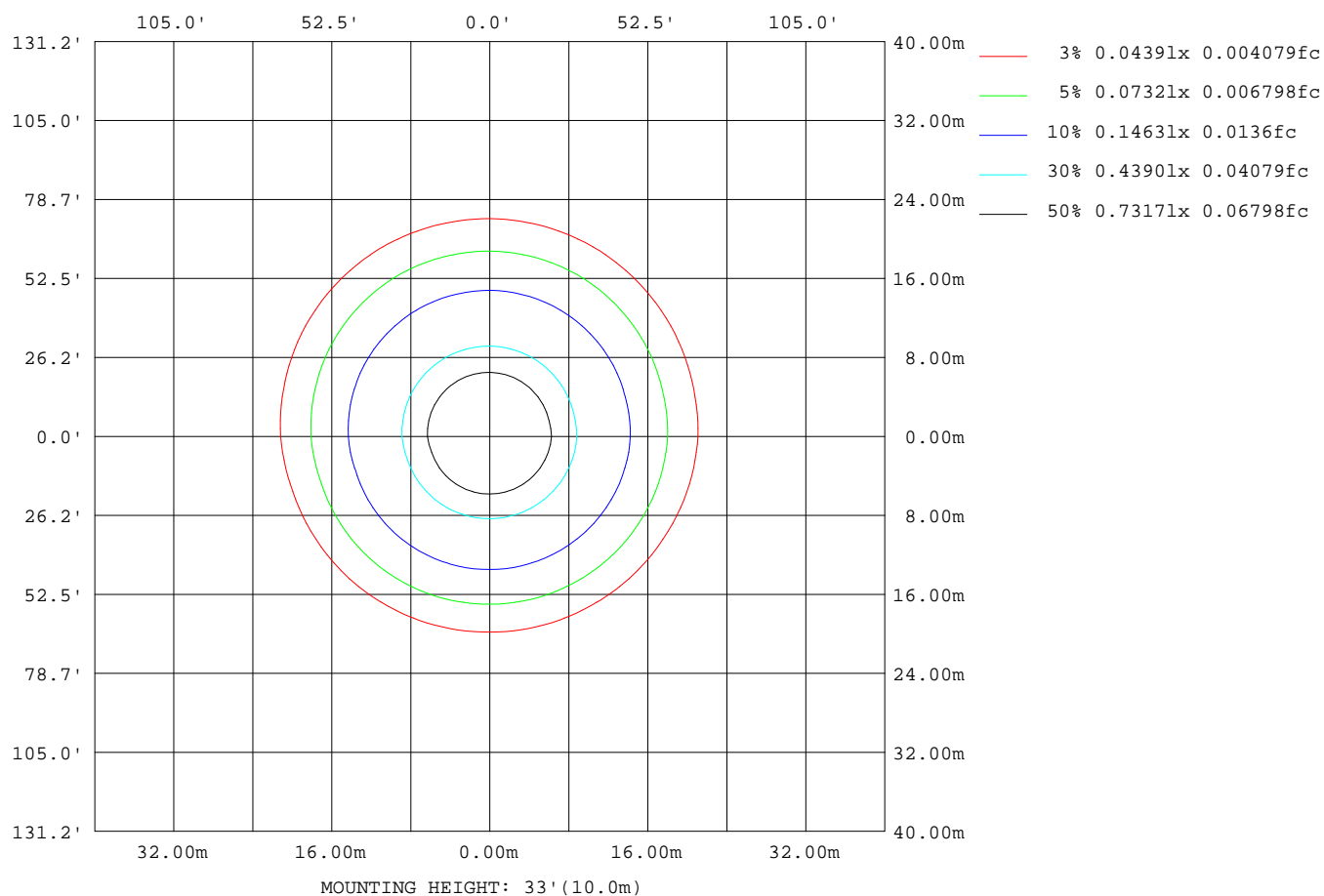
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*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	426.63	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	8222	8035	7845	7660	7513	7384	7277	7218	7184	7176	7227	7306	7409	7546	7692	7840	7994	8179	8384
60	8101	7887	7666	7453	7282	7133	7010	6942	6901	6889	6945	7033	7146	7301	7465	7631	7814	8021	8245
65	7969	7719	7456	7199	7001	6825	6677	6598	6546	6526	6591	6693	6820	6998	7184	7372	7595	7840	8097
70	7793	7476	7153	6845	6608	6398	6219	6124	6061	6034	6105	6219	6365	6570	6785	7008	7292	7583	7876
75	7485	7084	6673	6279	5990	5728	5499	5388	5303	5253	5347	5485	5650	5907	6164	6425	6801	7171	7524
80	6905	6359	5791	5247	4876	4527	4206	4082	3984	3910	4033	4200	4396	4742	5063	5374	5905	6400	6854
85	5597	4701	3844	3097	2678	2388	2181	2137	2082	2030	2199	2401	2598	2875	3138	3461	4157	4804	5461

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	8384	200	---	500
Category 2	65 to 90	8097	200	---	500
Category 3	75 to 90	7524	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:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	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	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144	144
5	143	143	143	143	143	143	143	143	143	143	143	143	144	144	144	144	145	145	145
10	141	141	140	139	139	139	139	139	139	140	141	141	142	142	143	143	144	144	144
15	139	138	137	136	136	135	135	136	136	137	138	138	139	140	141	142	142	142	142
20	133	132	131	130	129	129	129	129	130	131	132	133	134	136	137	138	138	139	139
25	129	127	126	125	124	123	123	124	125	126	127	129	130	132	133	134	135	135	135
30	121	119	117	116	115	114	114	115	116	117	119	121	122	124	126	127	128	128	128
35	115	113	111	109	108	108	107	108	109	111	113	114	116	118	121	122	123	123	123
40	105	103	100	98.6	97.2	96.6	96.4	97.3	98.5	100	102	104	106	109	111	113	114	114	114
45	97.4	95.1	92.7	90.9	89.5	88.8	88.7	89.4	90.8	92.6	94.5	96.6	99.1	102	104	106	107	107	107
50	85.7	83.2	80.6	78.8	77.2	76.5	76.4	77.2	78.5	80.4	82.5	84.6	87.3	90.0	92.6	94.2	95.4	95.5	95.4
55	77.5	75.0	72.4	70.4	68.9	68.2	68.0	68.8	70.1	72.0	74.1	76.2	79.1	81.8	84.4	86.1	87.4	87.5	87.5
60	64.8	62.2	59.6	57.7	56.1	55.4	55.1	55.9	57.2	59.1	61.0	63.3	66.0	68.8	71.5	73.3	74.5	74.8	74.7
65	56.1	53.5	50.9	48.9	47.4	46.7	46.3	47.1	48.3	50.2	52.1	54.4	57.0	59.9	62.7	64.5	65.8	66.0	66.0
70	42.6	40.0	37.5	35.6	34.0	33.4	33.0	33.7	34.8	36.6	38.4	40.7	43.1	46.2	49.0	50.8	52.2	52.5	52.6
75	33.3	30.8	28.3	26.5	25.0	24.4	24.0	24.7	25.7	27.3	29.0	31.4	33.5	36.5	39.6	41.4	42.9	43.2	43.4
80	19.2	16.9	14.6	13.1	11.7	11.2	10.9	11.5	12.2	13.7	14.9	17.2	19.0	22.1	25.2	27.1	28.8	29.2	29.5
85	10.0	8.03	6.15	5.07	4.36	4.19	3.99	4.43	4.91	5.69	6.53	8.30	9.73	12.8	15.7	17.7	19.3	19.8	20.1
90	0.01	0.13	0.51	0.85	1.13	1.31	1.37	1.60	1.81	1.89	1.86	2.22	1.70	2.34	3.75	5.08	6.29	6.68	6.94
95	0.00	0.07	0.43	0.74	1.01	1.19	1.24	1.45	1.66	1.74	1.73	2.08	1.66	1.86	1.89	1.91	2.15	2.10	2.17
100	0.00	0.07	0.37	0.66	0.89	1.05	1.10	1.28	1.49	1.57	1.57	1.90	1.56	1.74	1.69	1.43	1.18	0.84	0.74
105	0.00	0.10	0.36	0.62	0.83	0.98	1.02	1.19	1.38	1.48	1.49	1.77	1.48	1.65	1.63	1.34	1.07	0.73	0.63
110	0.02	0.13	0.37	0.59	0.77	0.91	0.93	1.07	1.24	1.35	1.36	1.52	1.38	1.50	1.49	1.26	0.97	0.63	0.56
115	0.07	0.14	0.38	0.58	0.74	0.86	0.89	1.01	1.14	1.25	1.27	1.34	1.32	1.38	1.38	1.19	0.95	0.61	0.54
120	0.13	0.16	0.40	0.58	0.71	0.81	0.83	0.91	1.03	1.12	1.16	1.16	1.23	1.22	1.25	1.09	0.87	0.61	0.55
125	0.18	0.20	0.41	0.57	0.70	0.78	0.80	0.86	0.94	1.04	1.09	1.09	1.17	1.12	1.16	1.02	0.81	0.60	0.56
130	0.24	0.26	0.40	0.56	0.67	0.74	0.75	0.79	0.83	0.93	0.98	1.01	1.06	1.01	1.02	0.91	0.74	0.59	0.57
135	0.26	0.30	0.36	0.55	0.65	0.71	0.71	0.72	0.76	0.86	0.89	0.95	1.01	0.94	0.92	0.84	0.69	0.55	0.56
140	0.31	0.34	0.36	0.51	0.62	0.67	0.67	0.63	0.67	0.76	0.79	0.87	0.91	0.85	0.79	0.73	0.63	0.51	0.56
145	0.34	0.38	0.39	0.44	0.58	0.63	0.63	0.58	0.62	0.67	0.74	0.81	0.85	0.78	0.70	0.66	0.58	0.49	0.56
150	0.39	0.42	0.42	0.43	0.46	0.55	0.55	0.50	0.51	0.59	0.67	0.72	0.75	0.70	0.62	0.56	0.50	0.45	0.53
155	0.42	0.44	0.45	0.46	0.45	0.45	0.46	0.44	0.48	0.57	0.63	0.67	0.70	0.65	0.58	0.50	0.47	0.43	0.49
160	0.45	0.47	0.48	0.49	0.49	0.48	0.48	0.47	0.48	0.54	0.58	0.60	0.62	0.58	0.54	0.47	0.43	0.40	0.41
165	0.47	0.49	0.50	0.50	0.51	0.51	0.50	0.48	0.49	0.52	0.54	0.56	0.58	0.54	0.51	0.48	0.45	0.44	0.44
170	0.50	0.51	0.53	0.53	0.53	0.54	0.52	0.52	0.51	0.51	0.52	0.51	0.53	0.50	0.49	0.48	0.48	0.49	0.49
175	0.52	0.52	0.54	0.54	0.55	0.55	0.54	0.54	0.53	0.53	0.52	0.51	0.52	0.50	0.50	0.51	0.52	0.52	0.52
180	0.54	0.56	0.54	0.55	0.55	0.56	0.56	0.56	0.55	0.55	0.54	0.53	0.54	0.54	0.54	0.54	0.55	0.55	0.56

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-F22B-HB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	144	144	144	144	144														
5	144	144	144	144	144														
10	144	143	143	142	142														
15	142	142	141	140	140														
20	138	137	137	136	135														
25	134	134	133	132	130														
30	128	127	126	124	123														
35	122	121	120	119	117														
40	113	112	110	109	107														
45	106	105	103	102	99.8														
50	94.7	93.7	92.0	90.3	88.3														
55	86.7	85.7	84.0	82.3	80.1														
60	74.1	73.1	71.3	69.5	67.4														
65	65.3	64.3	62.6	60.9	58.7														
70	52.0	51.0	49.3	47.4	45.3														
75	42.8	41.9	40.0	38.3	36.0														
80	28.8	28.0	26.1	24.3	21.9														
85	19.6	18.7	16.9	15.0	12.7														
90	6.56	5.79	4.34	2.88	1.29														
95	1.97	1.54	0.89	0.35	0.01														
100	0.69	0.56	0.38	0.19	0.03														
105	0.60	0.48	0.35	0.22	0.07														
110	0.53	0.46	0.36	0.26	0.13														
115	0.52	0.47	0.39	0.29	0.16														
120	0.55	0.50	0.43	0.34	0.17														
125	0.55	0.51	0.45	0.36	0.18														
130	0.57	0.53	0.48	0.39	0.22														
135	0.57	0.54	0.48	0.38	0.26														
140	0.58	0.55	0.48	0.35	0.31														
145	0.56	0.54	0.46	0.34	0.35														
150	0.53	0.49	0.40	0.39	0.39														
155	0.48	0.44	0.39	0.41	0.42														
160	0.41	0.42	0.44	0.45	0.46														
165	0.44	0.45	0.47	0.48	0.48														
170	0.50	0.50	0.51	0.51	0.51														
175	0.52	0.52	0.52	0.53	0.53														
180	0.56	0.55	0.54	0.55	0.55														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators:  
Test Date: 2018-06-28

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: