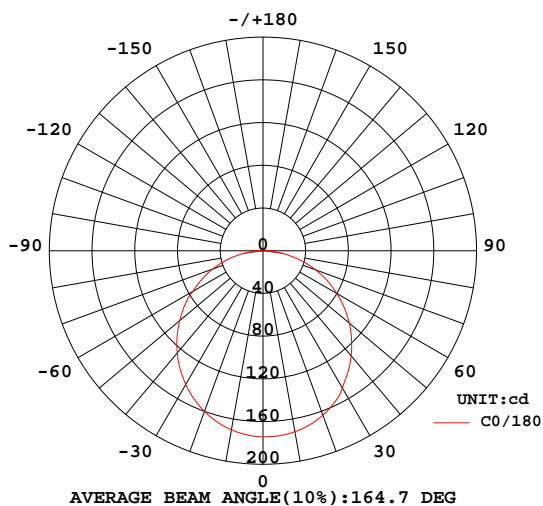


LUMINAIRE PHOTOMETRIC TEST REPORT

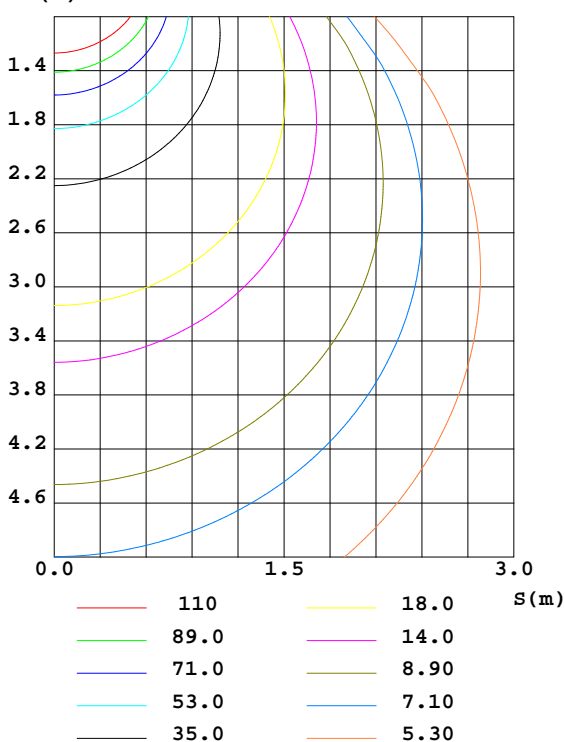
NAME: C-SFR-F22B-HB-D24CC-W2700-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 47.17 lm/W			
MODEL	2835	Imax(cd)	175.0	S/MH(C0/180)	1.24
NOMINAL POWER(W)	12	LOR(%)	102.1	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	515.13	$\eta$ UP,DN(C0-180)	0.6,46.9
NOMINAL FLUX(lm)	504.68	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	0.7,53.9
LAMPS INSIDE	1	$\eta$ up(%)	1.3	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	$\eta$ down(%)	100.7	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

$\gamma$  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	170.3	168.5	168.1	170.0	172.1	173.9	174.0	172.2	0- 10	16.49	16.49	3.2,3.27
20	160.2	156.7	155.9	159.6	163.9	167.0	167.2	163.9	10- 20	47.22	63.71	12.4,12.6
30	144.8	137.9	138.5	141.6	148.6	154.1	154.3	149.8	20- 30	71.30	135.0	26.2,26.8
40	125.0	117.4	117.2	121.4	128.5	135.8	134.2	130.9	30- 40	85.53	220.5	42.8,43.7
50	102.0	93.92	93.15	97.71	105.5	113.4	112.2	108.6	40- 50	88.92	309.5	60.1,61.3
60	75.90	69.21	66.86	72.34	79.74	87.93	87.42	83.70	50- 60	81.32	390.8	75.9,77.4
70	50.25	43.83	41.12	45.84	52.44	59.78	61.21	56.67	60- 70	64.09	454.9	88.3,90.1
80	23.87	18.11	15.07	18.80	24.01	31.80	34.14	30.08	70- 80	40.15	495.0	96.1,98.1
90	0.0834	0.8707	1.365	2.109	2.031	5.144	7.529	4.468	80- 90	13.41	508.4	98.7,101
100	0.0073	0.7017	1.099	1.792	1.886	2.095	1.417	0.8558	90-100	1.759	510.2	99,101
110	0.1547	0.6942	0.9957	1.563	1.684	1.787	1.188	0.7626	100-110	1.272	511.5	99.3,101
120	0.2973	0.7167	0.9254	1.346	1.487	1.461	1.028	0.7399	110-120	1.057	512.5	99.5,102
130	0.4178	0.7440	0.8752	1.155	1.305	1.205	0.9152	0.7575	120-130	0.8569	513.4	99.7,102
140	0.5040	0.7190	0.8301	0.9763	1.128	0.9781	0.8476	0.7450	130-140	0.6731	514.1	99.8,102
150	0.5827	0.6271	0.7399	0.7827	0.9464	0.7616	0.7747	0.6369	140-150	0.4891	514.6	99.9,102
160	0.6441	0.6769	0.6419	0.7223	0.5705	0.6569	0.6070	0.6443	150-160	0.3182	514.9	100,102
170	0.6909	0.7117	0.7071	0.6947	0.6566	0.6568	0.6772	0.7097	160-170	0.1896	515.1	100,102
180	0.7180	0.7415	0.7448	0.7601	0.7303	0.7365	0.7498	0.7500	170-180	0.0676	515.1	100,102
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

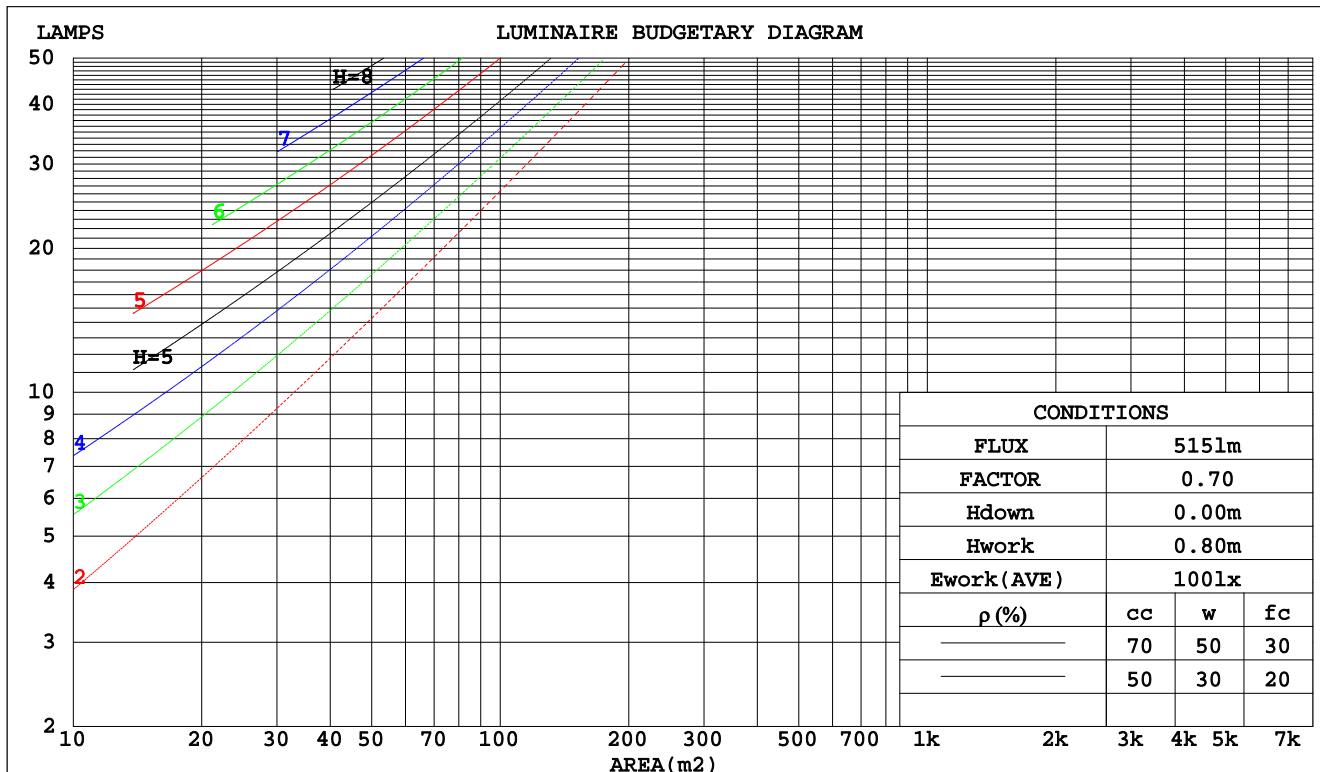
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-W2700-108-2835-1M	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	Coefficients of Utilization(CU)															
0.0	1.21	1.21	1.21	1.18	1.18	1.18	1.13	1.13	1.13	1.08	1.08	1.08	1.03	1.03	1.03	1.01
1.0	1.05	1.00	.96	1.03	.98	.95	.98	.95	.91	.94	.91	.88	.90	.88	.86	.83
2.0	.91	.84	.78	.89	.83	.77	.85	.80	.75	.82	.77	.73	.78	.75	.71	.69
3.0	.80	.71	.65	.78	.70	.64	.75	.68	.63	.72	.66	.61	.69	.64	.60	.58
4.0	.71	.61	.54	.69	.61	.54	.66	.59	.53	.64	.57	.52	.61	.56	.51	.49
5.0	.63	.54	.47	.62	.53	.46	.59	.52	.46	.57	.50	.45	.55	.49	.45	.42
6.0	.57	.47	.41	.56	.47	.41	.54	.46	.40	.52	.45	.40	.50	.44	.39	.37
7.0	.51	.42	.36	.50	.42	.36	.49	.41	.35	.47	.40	.35	.46	.39	.35	.33
8.0	.47	.38	.32	.46	.38	.32	.45	.37	.32	.43	.36	.31	.42	.36	.31	.29
9.0	.43	.35	.29	.42	.34	.29	.41	.34	.28	.40	.33	.28	.39	.33	.28	.26
10.0	.40	.32	.26	.39	.31	.26	.38	.31	.26	.37	.30	.26	.36	.30	.25	.24



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-W2700-108-2835-1M	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	.329	.187	.059	.321	.183	.058	.307	.176	.056	.293	.169	.054	.281	.163	.053		
2.0	.305	.167	.051	.299	.164	.051	.286	.159	.049	.274	.154	.048	.263	.149	.047		
3.0	.281	.149	.045	.275	.147	.044	.264	.143	.043	.253	.139	.043	.243	.135	.042		
4.0	.258	.134	.039	.253	.132	.039	.243	.129	.038	.233	.125	.038	.225	.122	.037		
5.0	.238	.121	.035	.233	.120	.035	.224	.117	.034	.216	.114	.034	.208	.111	.033		
6.0	.220	.110	.032	.216	.109	.031	.208	.107	.031	.200	.104	.031	.193	.102	.030		
7.0	.204	.101	.029	.201	.100	.028	.194	.098	.028	.187	.096	.028	.181	.094	.028		
8.0	.191	.093	.026	.187	.092	.026	.181	.090	.026	.175	.089	.026	.169	.087	.025		
9.0	.179	.086	.024	.176	.086	.024	.170	.084	.024	.164	.082	.024	.159	.081	.023		
10.0	.168	.080	.022	.165	.080	.022	.160	.078	.022	.155	.077	.022	.150	.076	.022		

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	.205	.205	.205	.175	.175	.175	.119	.119	.119	.069	.069	.069	.022	.022	.022	
1.0	.195	.169	.146	.167	.145	.126	.114	.100	.087	.066	.058	.051	.021	.019	.016	
2.0	.187	.145	.109	.160	.125	.095	.110	.086	.066	.063	.050	.039	.020	.016	.013	
3.0	.179	.127	.085	.154	.110	.074	.105	.076	.052	.061	.044	.031	.020	.014	.010	
4.0	.171	.113	.069	.147	.098	.060	.101	.068	.042	.058	.040	.025	.019	.013	.008	
5.0	.164	.103	.058	.141	.089	.051	.097	.062	.036	.056	.037	.021	.018	.012	.007	
6.0	.156	.094	.050	.134	.082	.044	.093	.057	.031	.054	.034	.018	.017	.011	.006	
7.0	.149	.087	.044	.128	.076	.038	.089	.053	.027	.052	.031	.016	.017	.010	.005	
8.0	.143	.082	.040	.123	.071	.035	.085	.050	.024	.049	.029	.015	.016	.010	.005	
9.0	.136	.076	.036	.117	.066	.031	.081	.047	.022	.047	.028	.013	.015	.009	.004	
10.0	.130	.072	.033	.112	.063	.029	.078	.044	.021	.045	.026	.012	.015	.009	.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-W2700-108-2835-1M					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	20.4	22.0	20.7	22.2	22.4	19.9	21.4	20.2	21.6	21.9				
3H	22.1	23.5	22.4	23.8	24.0	21.3	22.7	21.6	23.0	23.3				
4H	22.8	24.2	23.2	24.4	24.7	21.9	23.2	22.2	23.5	23.8				
6H	23.4	24.7	23.8	25.0	25.3	22.2	23.5	22.6	23.8	24.1				
8H	23.6	24.8	24.0	25.1	25.4	22.3	23.5	22.6	23.8	24.1				
12H	23.7	24.9	24.1	25.2	25.5	22.3	23.4	22.6	23.7	24.1				
4H 2H	21.0	22.3	21.3	22.6	22.9	20.5	21.9	20.9	22.1	22.4				
3H	22.8	24.0	23.2	24.3	24.6	22.1	23.3	22.5	23.6	24.0				
4H	23.7	24.7	24.1	25.1	25.4	22.8	23.9	23.2	24.2	24.6				
6H	24.4	25.3	24.8	25.7	26.1	23.3	24.2	23.7	24.6	25.0				
8H	24.6	25.5	25.0	25.9	26.3	23.4	24.3	23.8	24.6	25.1				
12H	24.8	25.6	25.2	26.0	26.5	23.4	24.2	23.8	24.6	25.0				
8H 4H	23.9	24.8	24.3	25.2	25.6	23.1	24.0	23.6	24.4	24.8				
6H	24.7	25.4	25.2	25.9	26.3	23.7	24.4	24.2	24.9	25.3				
8H	25.0	25.7	25.5	26.2	26.6	23.8	24.5	24.3	25.0	25.4				
12H	25.3	25.9	25.8	26.3	26.8	23.9	24.5	24.4	24.9	25.4				
12H 4H	23.9	24.7	24.3	25.1	25.5	23.1	24.0	23.6	24.4	24.8				
6H	24.7	25.4	25.2	25.8	26.3	23.8	24.4	24.2	24.9	25.4				
8H	25.1	25.7	25.6	26.1	26.6	23.9	24.5	24.4	25.0	25.5				
Variations with the observer position at spacings:														
S = 1.0H	+ 0.1 / - 0.1					+ 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 504.7 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

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-W2700-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

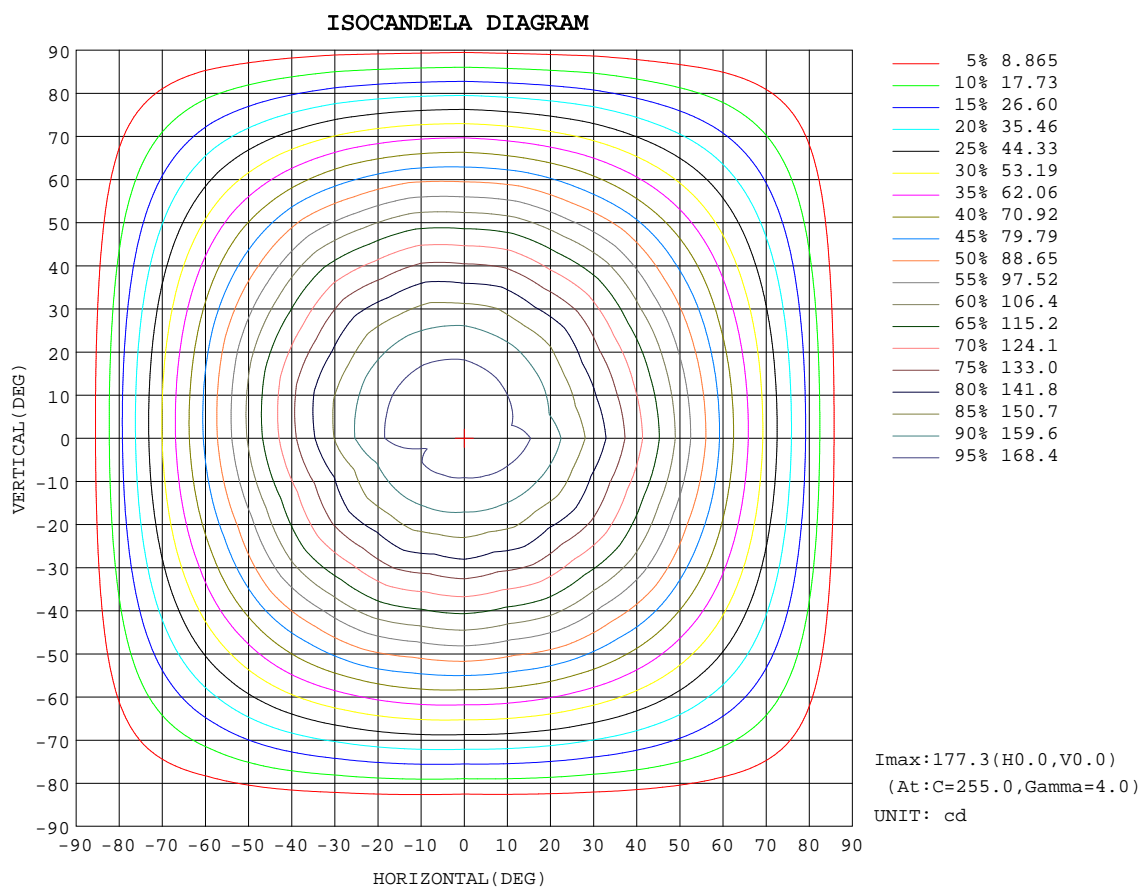
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	58	46	39	57	45	38	56	45	38	32
0.80	68	56	48	67	55	48	65	54	47	40
1.00	76	65	57	75	64	57	73	65	56	49
1.25	83	72	65	82	72	65	79	70	64	56
1.50	89	78	71	87	77	70	84	75	69	61
2.00	96	87	80	94	85	79	90	83	77	69
2.50	100	92	85	98	90	84	93	87	82	73
3.00	103	96	90	101	94	89	97	91	87	77
4.00	107	101	96	105	99	95	100	96	92	82
5.00	110	105	100	107	103	99	103	99	95	86
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-W2700-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

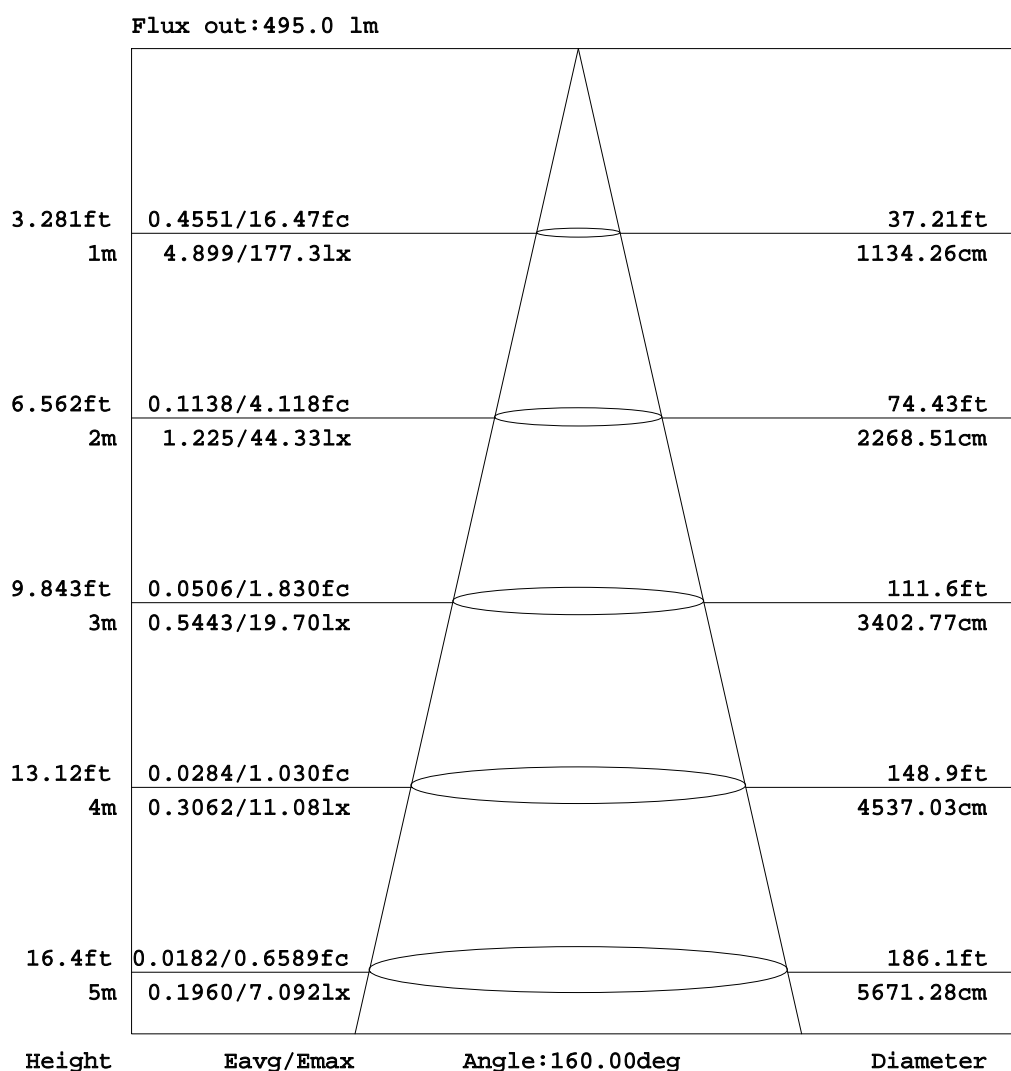


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-W2700-108-2835-1M	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.

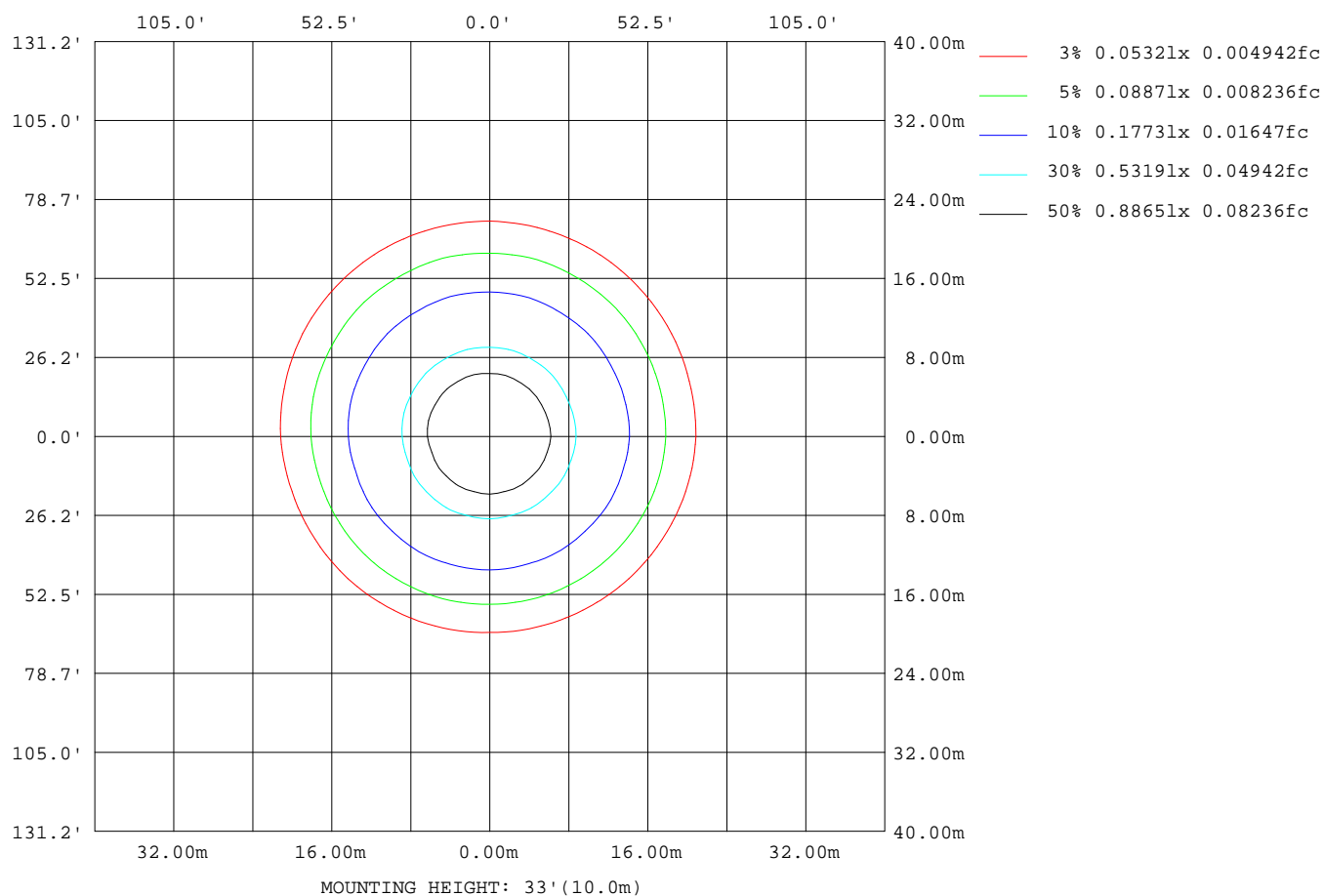
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-W2700-108-2835-1M	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-W2700-108-2835-1M	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	504.68	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	9777	9473	9319	9243	9010	8872	8844	8722	8675	8726	8771	8922	9144	9230	9404	9674	9855	9993	10132
60	9487	9291	9083	8879	8721	8582	8466	8401	8359	8357	8464	8594	8735	8938	9126	9312	9619	9835	9968
65	9350	9109	8866	8633	8452	8288	8147	8066	8010	7996	8113	8257	8410	8637	8846	9052	9413	9671	9808
70	9182	8904	8611	8325	8106	7906	7729	7628	7548	7515	7655	7820	7987	8242	8478	8710	9118	9414	9582
75	8962	8598	8227	7868	7591	7331	7094	6954	6840	6781	6940	7132	7326	7636	7912	8175	8665	9028	9247
80	8592	8096	7567	7048	6685	6313	5940	5740	5552	5425	5652	5900	6123	6547	6902	7216	7874	8353	8643
85	7630	6767	5857	4979	4370	3835	3364	3113	2888	2734	2978	3263	3537	4018	4433	4855	5814	6564	7127

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	10132	200	---	500
Category 2	65 to 90	9808	200	---	500
Category 3	75 to 90	9247	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-W2700-108-2835-1M	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	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174	174
5	174	173	173	173	173	173	173	173	173	173	174	174	174	174	175	175	175	175	175
10	170	170	169	168	168	168	168	169	169	170	171	172	172	173	173	174	174	174	174
15	167	166	165	164	164	164	164	165	165	167	167	169	170	170	171	172	172	172	172
20	160	159	157	157	156	156	156	157	158	160	161	164	164	165	166	167	168	167	167
25	155	153	151	149	150	147	149	149	152	153	155	159	159	160	162	162	163	163	163
30	145	141	141	138	139	137	139	138	141	142	145	147	149	151	153	154	155	155	154
35	137	134	133	130	131	129	130	130	133	134	138	140	141	144	144	147	146	148	146
40	125	121	120	117	118	116	117	117	120	121	125	128	128	132	133	136	135	136	134
45	116	112	111	108	108	106	108	108	111	112	116	118	120	124	124	127	126	128	126
50	102	98.1	97.1	93.9	93.9	91.9	93.2	93.4	96.5	97.7	101	104	105	110	110	113	113	114	112
55	92.2	88.4	87.2	84.2	83.9	82.1	83.2	83.4	86.4	87.7	91.3	93.7	95.6	99.5	101	104	103	104	103
60	75.9	73.5	71.0	69.2	67.7	67.0	66.9	68.3	69.9	72.3	74.5	78.1	79.7	83.8	85.1	87.9	87.7	89.0	87.4
65	65.8	63.4	60.9	59.2	57.6	56.9	56.6	58.0	59.5	61.9	63.9	67.6	69.0	71.8	74.5	76.1	77.1	77.2	77.1
70	50.2	47.9	45.6	43.8	42.3	41.6	41.1	42.4	43.7	45.8	47.7	51.0	52.4	55.4	58.1	59.8	61.0	61.2	61.2
75	39.7	37.5	35.2	33.5	32.0	31.2	30.7	31.8	33.0	35.0	36.6	39.7	41.1	44.0	46.9	48.7	50.0	50.3	50.4
80	23.9	21.8	19.6	18.1	16.5	15.7	15.1	16.1	17.0	18.8	20.0	22.8	24.0	26.9	29.9	31.8	33.3	33.8	34.1
85	13.3	11.4	9.41	7.99	6.76	6.09	5.59	6.27	6.96	8.23	9.27	11.5	12.7	15.6	18.6	20.6	22.2	22.8	23.2
90	0.08	0.25	0.56	0.87	1.14	1.31	1.36	1.69	2.00	2.11	2.10	2.68	2.03	2.67	3.93	5.14	6.44	7.00	7.53
95	0.00	0.14	0.46	0.76	1.02	1.18	1.23	1.53	1.84	1.94	1.96	2.51	2.00	2.35	2.48	2.32	2.13	1.88	1.86
100	0.01	0.18	0.44	0.70	0.92	1.05	1.10	1.36	1.65	1.79	1.82	2.31	1.89	2.19	2.27	2.10	1.86	1.52	1.42
105	0.07	0.22	0.46	0.70	0.90	1.01	1.05	1.28	1.56	1.70	1.74	2.19	1.80	2.07	2.14	1.97	1.72	1.40	1.31
110	0.15	0.28	0.49	0.69	0.87	0.97	1.00	1.19	1.43	1.56	1.63	1.96	1.68	1.87	1.94	1.79	1.54	1.25	1.19
115	0.22	0.31	0.52	0.70	0.86	0.95	0.96	1.12	1.33	1.48	1.53	1.73	1.60	1.72	1.78	1.66	1.44	1.15	1.12
120	0.30	0.33	0.56	0.72	0.86	0.91	0.93	1.04	1.22	1.35	1.41	1.46	1.49	1.52	1.58	1.46	1.29	1.04	1.03
125	0.34	0.38	0.58	0.73	0.85	0.90	0.91	1.00	1.14	1.26	1.33	1.36	1.41	1.40	1.46	1.35	1.18	0.98	0.97
130	0.42	0.45	0.59	0.74	0.85	0.87	0.88	0.94	1.03	1.16	1.21	1.25	1.31	1.28	1.30	1.20	1.04	0.91	0.92
135	0.46	0.49	0.58	0.74	0.84	0.86	0.86	0.91	0.96	1.08	1.12	1.19	1.23	1.19	1.18	1.11	0.95	0.86	0.89
140	0.50	0.54	0.55	0.72	0.82	0.84	0.83	0.82	0.88	0.98	0.99	1.09	1.13	1.08	1.02	0.98	0.86	0.77	0.85
145	0.54	0.57	0.58	0.67	0.79	0.81	0.80	0.75	0.82	0.89	0.93	1.03	1.05	1.01	0.92	0.89	0.80	0.72	0.83
150	0.58	0.61	0.62	0.63	0.71	0.75	0.74	0.68	0.72	0.78	0.86	0.93	0.95	0.91	0.83	0.76	0.70	0.66	0.77
155	0.61	0.63	0.64	0.65	0.65	0.67	0.66	0.62	0.68	0.76	0.82	0.88	0.66	0.85	0.78	0.69	0.64	0.63	0.72
160	0.64	0.67	0.67	0.68	0.69	0.65	0.64	0.63	0.67	0.72	0.76	0.80	0.57	0.69	0.72	0.66	0.58	0.59	0.61
165	0.66	0.69	0.69	0.69	0.71	0.67	0.67	0.66	0.65	0.70	0.72	0.76	0.61	0.59	0.69	0.64	0.59	0.61	0.63
170	0.69	0.71	0.71	0.71	0.74	0.70	0.71	0.70	0.69	0.69	0.68	0.70	0.66	0.65	0.66	0.66	0.65	0.67	0.68
175	0.70	0.72	0.72	0.73	0.75	0.72	0.72	0.73	0.72	0.72	0.70	0.70	0.69	0.68	0.69	0.69	0.69	0.70	0.71
180	0.72	0.73	0.73	0.74	0.75	0.73	0.74	0.76	0.74	0.76	0.74	0.74	0.73	0.73	0.73	0.74	0.74	0.74	0.75

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-W2700-108-2835-1M	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	174	174	174	174	174														
5	175	175	174	174	174														
10	173	173	172	172	173														
15	171	171	170	169	170														
20	166	165	164	163	164														
25	161	160	159	158	158														
30	153	150	150	146	149														
35	146	143	143	139	141														
40	134	131	131	128	129														
45	126	123	122	119	120														
50	112	109	109	105	106														
55	102	99.7	98.8	95.6	96.0														
60	87.3	84.6	83.7	80.5	80.1														
65	75.8	74.4	72.2	70.4	69.1														
70	60.0	58.7	56.7	54.8	53.4														
75	49.3	48.1	46.0	44.3	42.7														
80	33.1	32.1	30.1	28.3	26.6														
85	22.4	21.5	19.5	17.8	15.9														
90	6.83	6.02	4.47	3.13	1.66														
95	1.66	1.35	0.98	0.61	0.20														
100	1.33	1.14	0.86	0.54	0.20														
105	1.25	1.06	0.81	0.52	0.24														
110	1.14	0.98	0.76	0.52	0.29														
115	1.08	0.93	0.74	0.54	0.33														
120	0.99	0.89	0.74	0.58	0.35														
125	0.95	0.87	0.74	0.60	0.36														
130	0.91	0.85	0.76	0.62	0.41														
135	0.89	0.84	0.76	0.61	0.45														
140	0.87	0.83	0.75	0.58	0.51														
145	0.84	0.80	0.71	0.55	0.54														
150	0.78	0.74	0.64	0.59	0.59														
155	0.72	0.68	0.61	0.61	0.63														
160	0.62	0.62	0.64	0.65	0.66														
165	0.63	0.65	0.66	0.67	0.68														
170	0.68	0.69	0.71	0.71	0.71														
175	0.72	0.71	0.73	0.73	0.73														
180	0.75	0.75	0.75	0.74	0.74														

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: