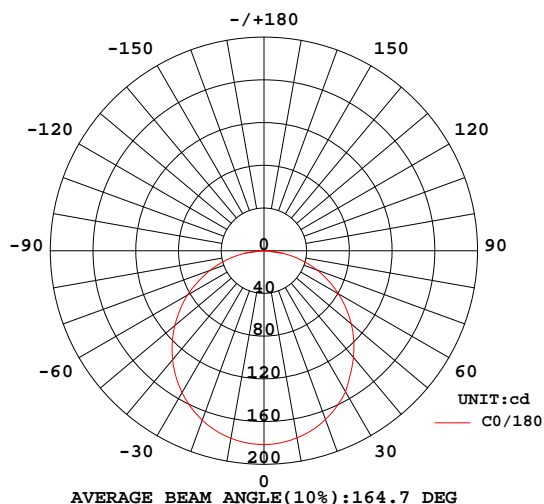


LUMINAIRE PHOTOMETRIC TEST REPORT

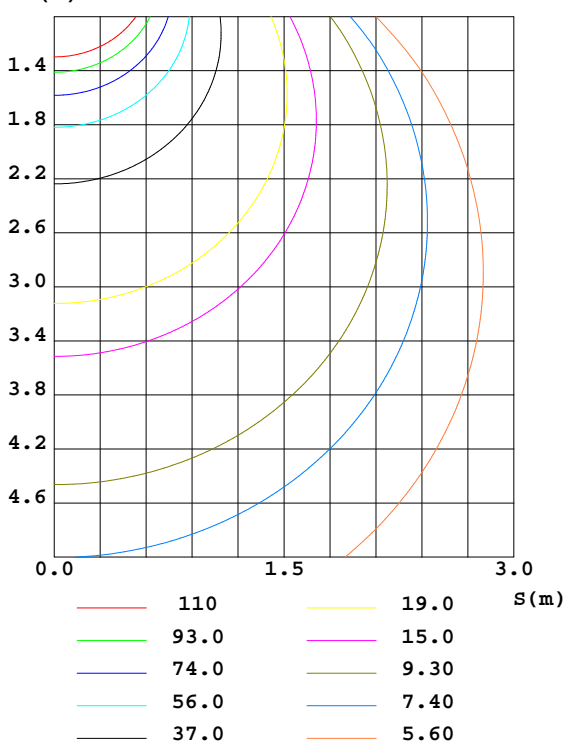
NAME: C-SFR-F22B-HB-D24CC-W3000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 49.11 lm/W
MODEL	2835	I _{max} (cd)	182.0	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	12	LOR(%)	101.0	S/MH(C90/270)	1.20	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	536.28	η UP,DN(C0-180)	0.6,46.9	
NOMINAL FLUX(lm)	531.2	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.7,52.7	
LAMPS INSIDE	1	η up(%)	1.3	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	99.6	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:
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:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	178.3	176.4	175.3	176.2	178.0	180.0	180.8	180.0	0- 10	17.16	17.16	3.2,3.23
20	168.8	165.3	162.9	164.8	168.2	171.8	173.3	171.8	10- 20	49.12	66.28	12.4,12.5
30	153.5	146.6	145.0	145.8	152.6	157.6	159.6	157.5	20- 30	74.28	140.6	26.2,26.5
40	133.2	125.5	123.0	124.6	130.4	138.2	138.6	138.0	30- 40	89.06	229.6	42.8,43.2
50	109.0	101.2	98.24	100.2	106.6	114.7	115.6	114.3	40- 50	92.53	322.2	60.1,60.6
60	82.63	75.28	70.84	74.07	80.38	88.45	89.73	88.08	50- 60	84.66	406.8	75.9,76.6
70	53.83	48.39	44.07	47.06	52.92	59.77	62.42	59.45	60- 70	66.72	473.5	88.3,89.1
80	25.26	20.91	16.80	19.53	24.43	31.24	34.16	31.23	70- 80	41.77	515.3	96.1,97
90	0.3373	1.564	1.381	2.099	2.063	4.523	6.610	4.251	80- 90	13.82	529.1	98.7,99.6
100	0.2914	1.308	1.108	1.752	2.006	2.072	1.454	0.8989	90-100	1.865	531.0	99,100
110	0.3870	1.221	1.010	1.485	1.849	1.791	1.249	0.7981	100-110	1.408	532.4	99.3,100
120	0.4898	1.164	0.9440	1.160	1.666	1.331	1.090	0.7528	110-120	1.156	533.6	99.5,100
130	0.5854	1.096	0.8886	0.9313	1.497	1.045	0.9641	0.7477	120-130	0.9227	534.5	99.7,101
140	0.6516	0.9844	0.8481	0.7475	1.239	0.7910	0.8858	0.7050	130-140	0.7027	535.2	99.8,101
150	0.7055	0.8205	0.7472	0.5968	0.9232	0.5844	0.7847	0.5741	140-150	0.4951	535.7	99.9,101
160	0.7423	0.8280	0.6687	0.7075	0.6885	0.6414	0.6008	0.6419	150-160	0.3209	536.0	99.9,101
170	0.8059	0.8354	0.7394	0.7855	0.7718	0.7458	0.7093	0.7401	160-170	0.2052	536.2	100,101
180	0.8231	0.8205	0.7900	0.8232	0.8305	0.8329	0.7875	0.8006	170-180	0.0748	536.3	100,101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

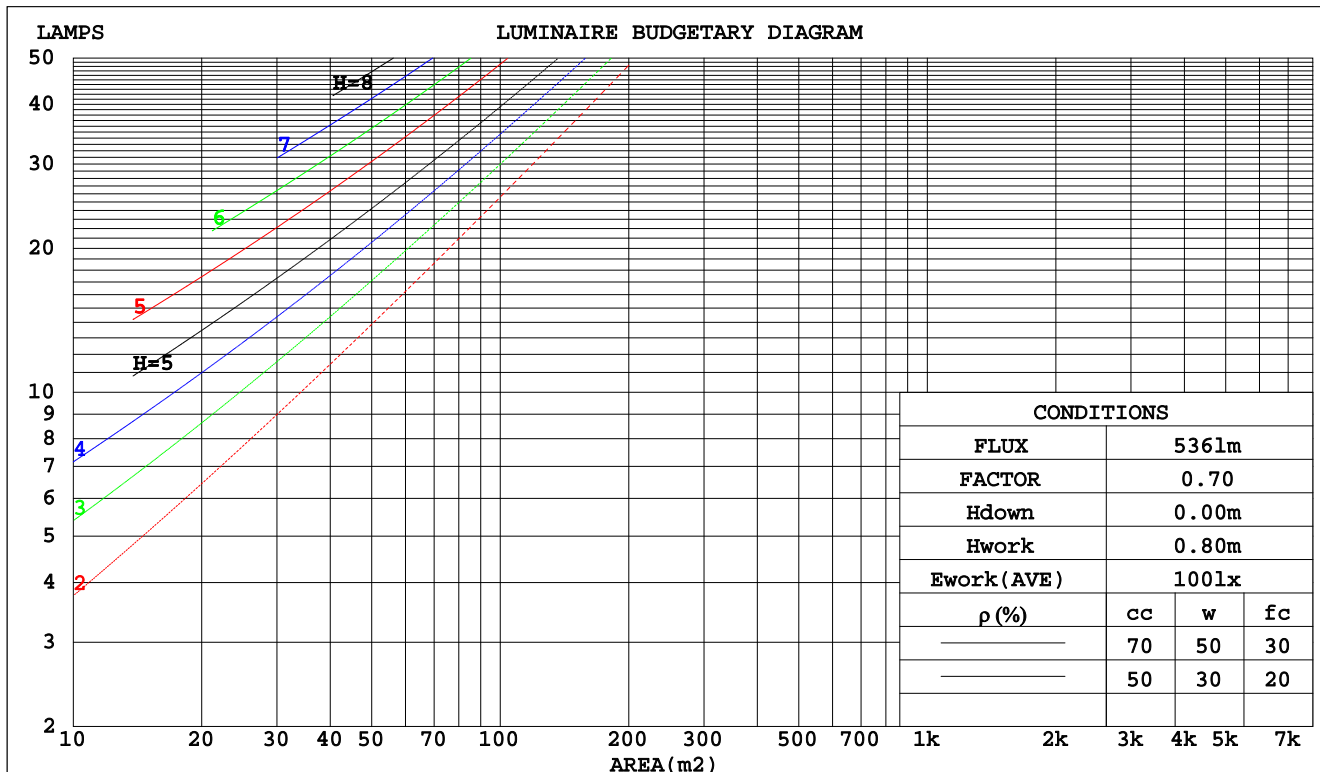
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-28

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:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: C-SFR-F22B-HB-D24CC-W3000-108-2835-1M	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	1.20	1.20	1.20	1.17	1.17	1.17	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.04	.99	.95	1.01	.97	.94	.97	.94	.90	.93	.90	.87	.89	.87	.85	.82
2.0	.90	.83	.77	.88	.82	.76	.84	.79	.74	.81	.76	.72	.78	.74	.70	.68
3.0	.79	.71	.64	.77	.69	.63	.74	.67	.62	.71	.65	.61	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.53	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.40	.51	.44	.39	.49	.43	.39	.37
7.0	.51	.42	.36	.50	.41	.35	.48	.41	.35	.47	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.46	.37	.32	.44	.37	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.43	.34	.28	.42	.34	.28	.41	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.38	.30	.26	.36	.30	.25	.36	.30	.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-W3000-108-2835-1M	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	.325	.185	.058	.317	.181	.057	.303	.174	.055	.290	.167	.054	.278	.161	.052		
2.0	.302	.165	.051	.295	.163	.050	.283	.157	.049	.271	.152	.048	.260	.147	.046		
3.0	.278	.148	.044	.272	.145	.044	.260	.141	.043	.250	.137	.042	.241	.133	.041		
4.0	.255	.133	.039	.250	.131	.039	.240	.127	.038	.231	.124	.037	.222	.121	.037		
5.0	.235	.120	.035	.230	.118	.034	.222	.115	.034	.213	.113	.033	.206	.110	.033		
6.0	.218	.109	.031	.213	.108	.031	.206	.105	.031	.198	.103	.030	.191	.101	.030		
7.0	.202	.100	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027		
8.0	.189	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.167	.086	.025		
9.0	.177	.085	.024	.174	.085	.024	.168	.083	.024	.162	.081	.023	.157	.080	.023		
10.0	.166	.080	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.148	.075	.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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.193	.168	.145	.165	.144	.125	.113	.099	.086	.065	.057	.050	.021	.018	.016	
2.0	.185	.144	.108	.159	.124	.094	.109	.085	.065	.063	.050	.038	.020	.016	.012	
3.0	.177	.126	.085	.152	.109	.073	.104	.075	.052	.060	.044	.030	.019	.014	.010	
4.0	.170	.113	.069	.146	.097	.060	.100	.068	.042	.058	.040	.025	.019	.013	.008	
5.0	.162	.102	.058	.139	.088	.050	.096	.062	.035	.056	.036	.021	.018	.012	.007	
6.0	.155	.094	.050	.133	.081	.043	.092	.057	.031	.053	.033	.018	.017	.011	.006	
7.0	.148	.087	.044	.127	.075	.038	.088	.053	.027	.051	.031	.016	.016	.010	.005	
8.0	.141	.081	.039	.122	.070	.034	.084	.049	.024	.049	.029	.015	.016	.010	.005	
9.0	.135	.076	.036	.116	.066	.031	.081	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.129	.072	.033	.111	.062	.029	.077	.044	.021	.045	.026	.012	.015	.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-W3000-108-2835-1M						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	20.9	22.4	21.1	22.6	22.8	20.2	21.7	20.5	21.9	22.2					
3H	22.5	23.9	22.8	24.2	24.5	21.6	23.1	22.0	23.3	23.6					
4H	23.3	24.6	23.6	24.9	25.2	22.2	23.6	22.6	23.8	24.1					
6H	23.8	25.1	24.2	25.4	25.7	22.6	23.9	22.9	24.1	24.5					
8H	24.0	25.2	24.4	25.5	25.9	22.7	23.9	23.0	24.2	24.5					
12H	24.1	25.3	24.5	25.6	26.0	22.6	23.8	23.0	24.1	24.5					
4H 2H	21.4	22.7	21.7	23.0	23.3	20.9	22.2	21.2	22.5	22.8					
3H	23.3	24.4	23.6	24.7	25.1	22.5	23.7	22.9	24.0	24.4					
4H	24.1	25.2	24.5	25.5	25.9	23.2	24.3	23.6	24.6	25.0					
6H	24.8	25.8	25.2	26.1	26.5	23.7	24.7	24.1	25.0	25.4					
8H	25.1	26.0	25.5	26.4	26.8	23.8	24.7	24.2	25.1	25.5					
12H	25.2	26.1	25.7	26.5	26.9	23.8	24.7	24.3	25.1	25.5					
8H 4H	24.3	25.2	24.8	25.6	26.0	23.6	24.5	24.0	24.8	25.3					
6H	25.2	25.9	25.7	26.4	26.8	24.2	24.9	24.6	25.4	25.8					
8H	25.5	26.2	26.0	26.6	27.1	24.4	25.0	24.8	25.5	25.9					
12H	25.8	26.3	26.3	26.8	27.3	24.4	25.0	24.9	25.5	26.0					
12H 4H	24.3	25.2	24.8	25.6	26.0	23.6	24.4	24.0	24.8	25.3					
6H	25.2	25.9	25.7	26.3	26.8	24.3	24.9	24.7	25.4	25.9					
8H	25.6	26.2	26.1	26.6	27.2	24.5	25.0	25.0	25.5	26.0					
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 531.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.2)

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-W3000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

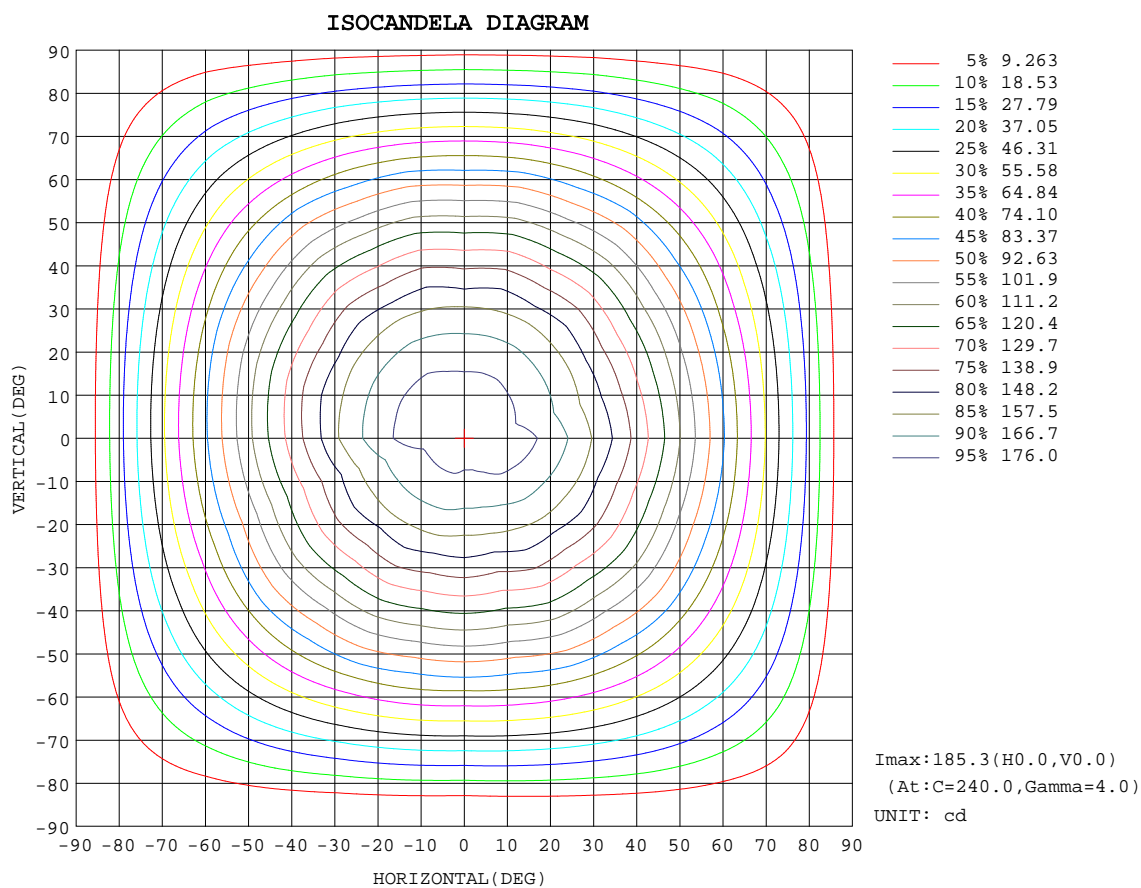
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	48	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	56	48
1.25	83	72	64	81	71	64	78	69	63	55
1.50	88	77	70	86	76	70	83	74	68	60
2.00	95	86	79	93	84	78	89	82	76	68
2.50	99	91	84	96	89	83	92	86	81	72
3.00	102	95	89	100	93	88	95	90	86	77
4.00	106	100	95	104	98	94	99	95	91	82
5.00	109	104	99	106	102	98	101	98	94	85
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004					Suspended			SHRNM = 1.25		

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:

ISOCANDELA DIAGRAM

NAME: C-SFR-F22B-HB-D24CC-W3000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

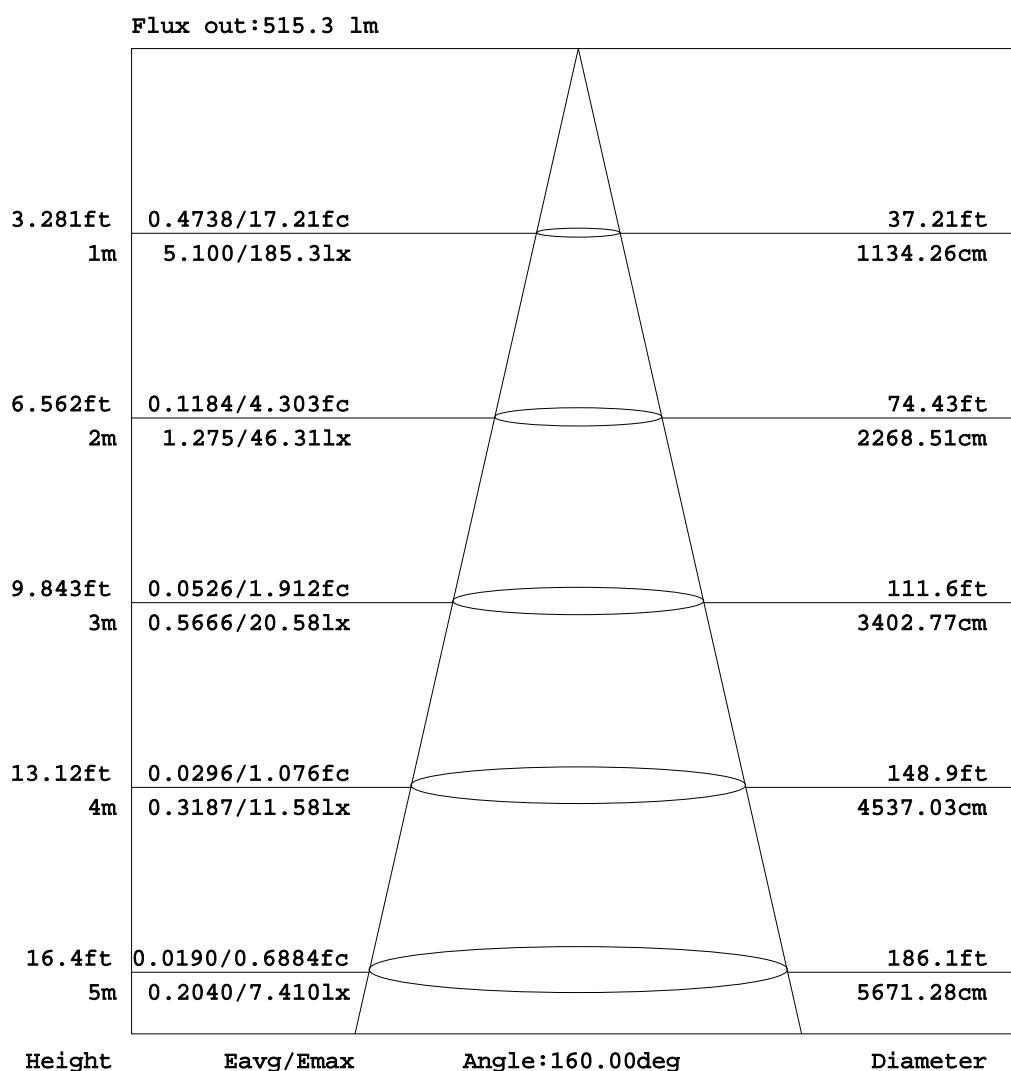


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-28

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:

AAI Figure

NAME: C-SFR-F22B-HB-D24CC-W3000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:



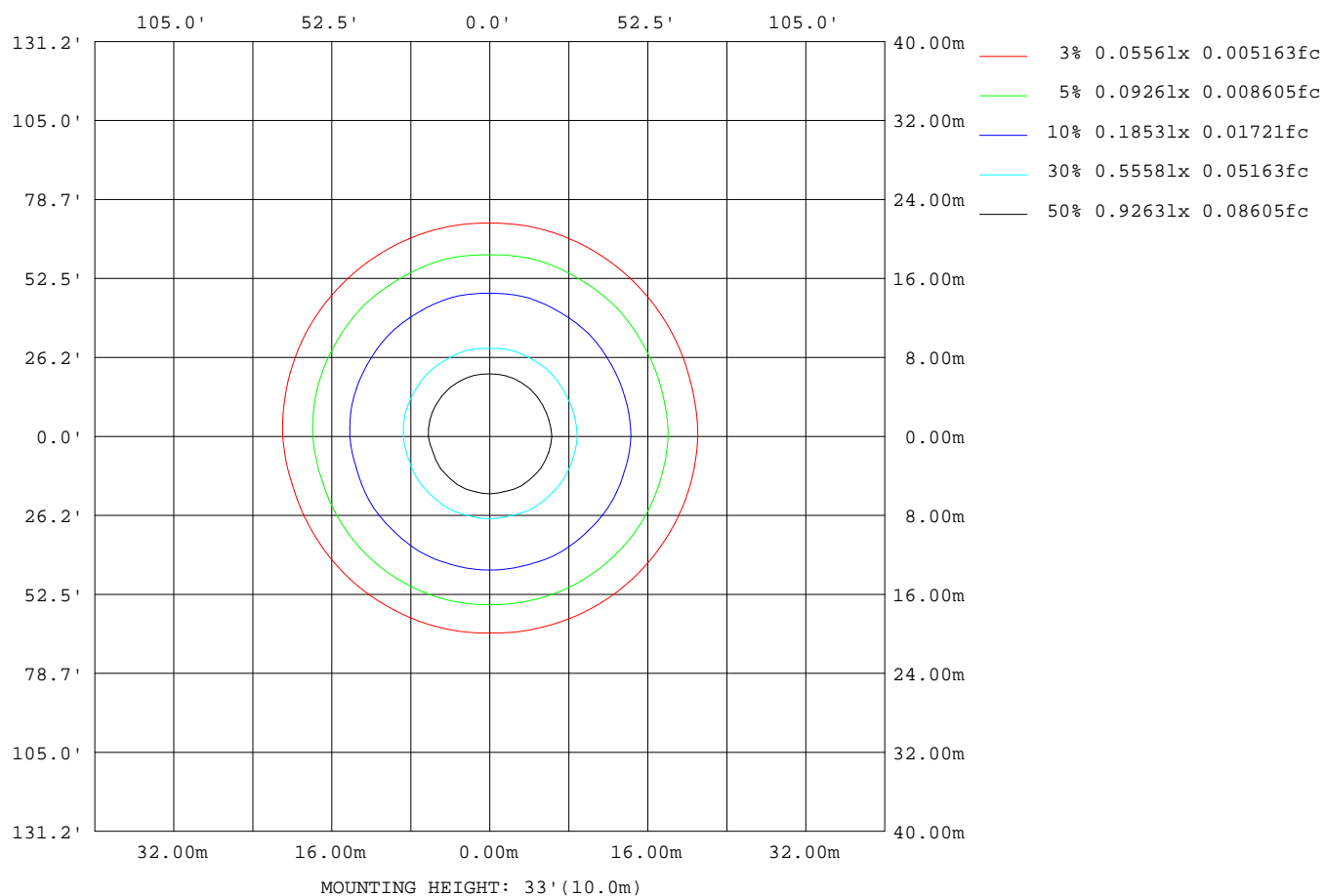
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W3000-108-2835-1M	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

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:

Average Luminance Table(CIBSE)

NAME: C-SFR-F22B-HB-D24CC-W3000-108-2835-1M	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	531.2	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	10464	10200	10066	9991	9743	9622	9615	9378	9260	9297	9240	9306	9477	9491	9615	9845	9889	9998	10220
60	10328	10054	9864	9721	9511	9341	9221	9068	8933	8855	8903	8976	9055	9185	9328	9474	9630	9818	10048
65	10019	9853	9649	9428	9246	9084	8929	8763	8607	8507	8566	8647	8728	8890	9056	9214	9401	9630	9883
70	9837	9654	9416	9151	8940	8745	8554	8363	8179	8053	8112	8205	8304	8493	8691	8885	9113	9379	9670
75	9567	9353	9065	8740	8485	8236	7984	7753	7522	7350	7429	7536	7643	7897	8143	8367	8673	9009	9357
80	9090	8860	8464	7986	7675	7330	6934	6636	6314	6046	6171	6321	6453	6826	7166	7457	7918	8367	8794
85	7840	7554	6939	6138	5568	5026	4484	4028	3569	3218	3377	3553	3710	4255	4745	5175	5980	6733	7438

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	10464	200	---	500
Category 2	65 to 90	10019	200	---	500
Category 3	75 to 90	9567	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-W3000-108-2835-1M	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	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181	181
5	181	181	180	180	180	180	180	180	180	180	180	181	181	181	181	182	182	182	182
10	178	178	177	176	176	175	175	176	176	176	177	177	178	179	179	180	181	181	181
15	175	174	173	173	172	171	171	172	172	172	173	174	175	176	177	178	179	179	179
20	169	168	166	165	164	163	163	164	164	165	166	167	168	169	171	172	174	174	173
25	163	162	160	159	158	157	156	157	157	159	160	161	163	164	166	167	169	169	169
30	153	152	150	147	147	144	145	144	146	146	149	149	153	154	156	158	160	160	160
35	146	142	142	139	139	136	137	136	138	138	141	141	143	147	147	150	152	153	151
40	133	130	129	126	126	122	123	122	125	125	128	128	130	134	135	138	138	141	139
45	124	120	120	116	116	113	113	113	115	115	118	119	121	125	126	129	130	132	130
50	109	106	105	101	101	97.9	98.2	97.6	99.9	100	103	104	107	110	111	115	115	118	116
55	98.7	95.3	94.3	91.0	90.8	87.6	87.9	87.3	89.5	89.9	93.0	93.6	96.4	100	101	104	105	107	106
60	82.6	79.5	77.8	75.3	73.8	72.0	70.8	71.6	72.4	74.1	75.8	77.8	80.4	84.2	85.5	88.5	89.1	91.3	89.7
65	70.5	68.7	66.5	64.7	63.0	61.4	60.2	61.0	61.7	63.4	65.0	67.0	69.6	72.1	74.7	76.3	78.2	79.7	79.0
70	53.8	52.2	50.1	48.4	46.8	45.3	44.1	44.7	45.4	47.1	48.6	50.6	52.9	55.6	58.2	59.8	61.5	62.3	62.4
75	42.5	41.0	39.0	37.4	35.8	34.4	33.2	33.8	34.4	36.0	37.4	39.4	41.6	44.1	46.9	48.5	50.1	51.0	51.2
80	25.3	24.2	22.2	20.9	19.3	18.1	16.8	17.4	17.9	19.5	20.7	22.7	24.4	27.0	29.9	31.2	32.9	33.8	34.2
85	13.8	12.9	11.3	9.94	8.63	7.51	6.59	7.03	7.42	8.71	9.78	11.6	13.1	15.7	18.5	19.9	21.5	22.4	22.8
90	0.34	0.79	1.25	1.56	1.81	1.62	1.38	1.65	1.70	2.10	2.29	2.67	2.06	2.89	3.88	4.52	5.45	6.15	6.61
95	0.23	0.68	1.13	1.41	1.65	1.49	1.24	1.49	1.52	1.93	2.13	2.52	2.07	2.64	2.82	2.34	1.91	1.81	1.68
100	0.29	0.66	1.05	1.31	1.51	1.38	1.11	1.32	1.36	1.75	1.94	2.27	2.01	2.44	2.60	2.07	1.67	1.54	1.45
105	0.33	0.67	1.03	1.27	1.47	1.33	1.06	1.26	1.26	1.65	1.84	2.14	1.95	2.31	2.48	1.99	1.56	1.42	1.37
110	0.39	0.69	1.00	1.22	1.38	1.25	1.01	1.17	1.13	1.48	1.66	1.89	1.85	2.03	2.12	1.79	1.35	1.33	1.25
115	0.43	0.68	0.9997	1.19	1.34	1.21	0.98	1.12	1.05	1.31	1.58	1.77	1.79	1.88	1.93	1.53	1.32	1.24	1.18
120	0.49	0.65	0.9899	1.16	1.27	1.12	0.94	1.04	0.91	1.16	1.49	1.60	1.67	1.65	1.68	1.33	1.08	1.14	1.09
125	0.53	0.68	0.98	1.14	1.23	1.08	0.92	1.00	0.85	1.06	1.41	1.52	1.60	1.53	1.53	1.20	0.97	1.08	1.03
130	0.59	0.71	0.94	1.10	1.19	1.01	0.89	0.87	0.79	0.93	1.25	1.43	1.50	1.40	1.32	1.04	0.84	0.92	0.96
135	0.61	0.73	0.87	1.06	1.16	0.98	0.88	0.82	0.75	0.85	1.11	1.33	1.41	1.29	1.17	0.95	0.78	0.84	0.94
140	0.65	0.75	0.83	0.98	1.09	0.92	0.85	0.75	0.70	0.75	0.92	1.16	1.24	1.13	0.96	0.79	0.71	0.76	0.89
145	0.68	0.76	0.83	0.90	1.03	0.87	0.81	0.71	0.68	0.67	0.84	1.03	1.12	1.05	0.85	0.69	0.67	0.73	0.86
150	0.71	0.78	0.82	0.82	0.90	0.78	0.75	0.66	0.63	0.60	0.74	0.86	0.92	0.87	0.73	0.58	0.62	0.67	0.78
155	0.73	0.79	0.82	0.83	0.84	0.67	0.66	0.62	0.63	0.64	0.68	0.75	0.80	0.75	0.66	0.59	0.59	0.63	0.71
160	0.74	0.79	0.83	0.83	0.85	0.69	0.67	0.65	0.70	0.71	0.71	0.67	0.69	0.67	0.67	0.64	0.64	0.60	0.60
165	0.76	0.81	0.83	0.84	0.85	0.72	0.70	0.69	0.72	0.74	0.73	0.71	0.72	0.70	0.70	0.69	0.69	0.64	0.64
170	0.81	0.83	0.85	0.84	0.84	0.75	0.74	0.74	0.75	0.79	0.77	0.75	0.77	0.76	0.76	0.75	0.76	0.71	0.71
175	0.82	0.83	0.84	0.82	0.83	0.78	0.76	0.76	0.77	0.81	0.80	0.77	0.81	0.80	0.80	0.78	0.80	0.76	0.75
180	0.82	0.83	0.83	0.82	0.84	0.81	0.79	0.78	0.80	0.82	0.83	0.79	0.83	0.82	0.83	0.83	0.84	0.79	0.79

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-W3000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEC) γ (DEC)	285	300	315	330	345														
0	181	181	181	181	181														
5	182	182	182	182	181														
10	181	180	180	180	179														
15	178	178	178	177	176														
20	173	173	172	171	170														
25	168	168	167	166	165														
30	159	159	158	157	155														
35	152	150	150	147	148														
40	140	137	138	135	135														
45	131	129	129	126	126														
50	117	114	114	112	111														
55	107	104	104	101	101														
60	90.7	88.3	88.1	85.3	84.7														
65	79.2	77.6	76.0	74.4	72.5														
70	62.1	61.1	59.4	57.8	55.7														
75	50.8	49.9	48.3	46.5	44.4														
80	33.8	32.9	31.2	29.6	27.1														
85	22.5	21.7	20.0	18.4	15.9														
90	6.30	5.56	4.25	3.01	1.45														
95	1.60	1.35	1.01	0.62	0.21														
100	1.40	1.21	0.90	0.54	0.19														
105	1.32	1.15	0.85	0.53	0.21														
110	1.22	1.06	0.80	0.52	0.25														
115	1.16	1.01	0.78	0.52	0.27														
120	1.08	0.96	0.75	0.54	0.27														
125	1.03	0.93	0.75	0.56	0.27														
130	0.98	0.89	0.75	0.56	0.35														
135	0.94	0.87	0.74	0.54	0.39														
140	0.90	0.84	0.71	0.49	0.46														
145	0.87	0.82	0.67	0.48	0.51														
150	0.78	0.72	0.57	0.55	0.58														
155	0.71	0.64	0.58	0.59	0.63														
160	0.62	0.62	0.64	0.66	0.68														
165	0.67	0.66	0.69	0.70	0.71														
170	0.71	0.72	0.74	0.77	0.74														
175	0.75	0.75	0.76	0.80	0.77														
180	0.80	0.79	0.80	0.82	0.80														

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: