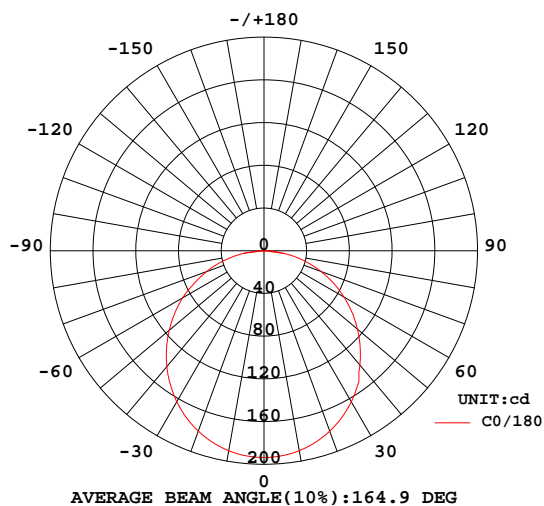


LUMINAIRE PHOTOMETRIC TEST REPORT

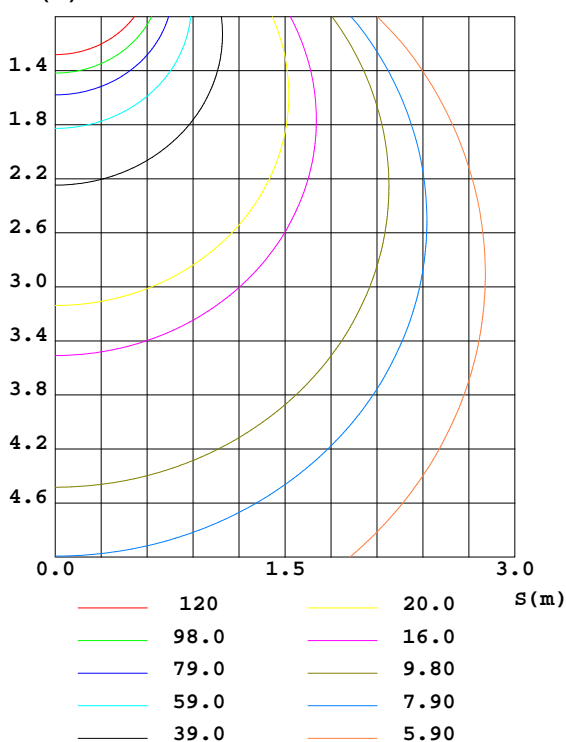
NAME: C-SFR-F22B-HB-D24CC-W4000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 52.51 lm/W			
MODEL	2835	I _{max} (cd)	194.4	S/MH(C0/180)	1.25
NOMINAL POWER(W)	12	LOR(%)	100.8	S/MH(C90/270)	1.19
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	573.45	η UP,DN(C0-180)	0.6,46.2
NOMINAL FLUX(lm)	569.1	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.8,53.2
LAMPS INSIDE	1	η up(%)	1.4	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	99.4	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	Φ lum, lamp
10	190.2	187.8	186.7	187.9	190.1	192.6	193.3	192.3	0- 10	18.32	18.32	3.19,3.22
20	179.8	175.2	173.0	175.4	179.8	184.4	185.7	183.8	10- 20	52.41	70.72	12.3,12.4
30	163.3	156.8	153.6	157.1	163.5	169.7	171.4	168.7	20- 30	79.28	150.0	26.2,26.4
40	141.6	131.9	129.9	132.2	139.8	149.3	149.2	148.1	30- 40	95.22	245.2	42.8,43.1
50	116.0	105.7	103.3	106.0	114.3	124.5	124.9	123.1	40- 50	98.65	343.9	60,60.4
60	87.79	78.03	74.20	78.20	86.34	96.68	97.28	95.27	50- 60	90.32	434.2	75.7,76.3
70	57.33	49.42	45.83	49.43	56.99	66.03	68.26	64.74	60- 70	71.34	505.5	88.2,88.8
80	27.14	20.39	17.02	20.28	26.55	35.77	38.34	34.80	70- 80	44.84	550.4	96,96.7
90	0.0277	0.9865	1.438	2.188	2.293	6.644	8.754	5.580	80- 90	15.22	565.6	98.6,99.4
100	0.0318	0.7949	1.158	1.886	2.179	2.669	1.886	1.169	90-100	2.088	567.7	99,99.7
110	0.1818	0.7825	1.075	1.692	1.990	2.271	1.552	0.9622	100-110	1.508	569.2	99.3,100
120	0.3221	0.8099	1.022	1.466	1.798	1.817	1.286	0.8614	110-120	1.245	570.4	99.5,100
130	0.4353	0.8298	0.9896	1.282	1.609	1.471	1.082	0.7883	120-130	0.9998	571.4	99.6,100
140	0.5435	0.7948	0.9419	1.108	1.417	1.216	0.9392	0.7581	130-140	0.7743	572.2	99.8,101
150	0.6370	0.6903	0.8415	0.9267	1.220	0.9670	0.8387	0.6499	140-150	0.5636	572.8	99.9,101
160	0.7231	0.7676	0.7383	0.8713	1.038	0.8448	0.6732	0.7025	150-160	0.3755	573.1	99.9,101
170	0.7969	0.8274	0.8262	0.8260	0.8977	0.8024	0.7862	0.7907	160-170	0.2276	573.4	100,101
180	0.8511	0.8572	0.8665	0.8638	0.8659	0.8597	0.8791	0.8663	170-180	0.0794	573.4	100,101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

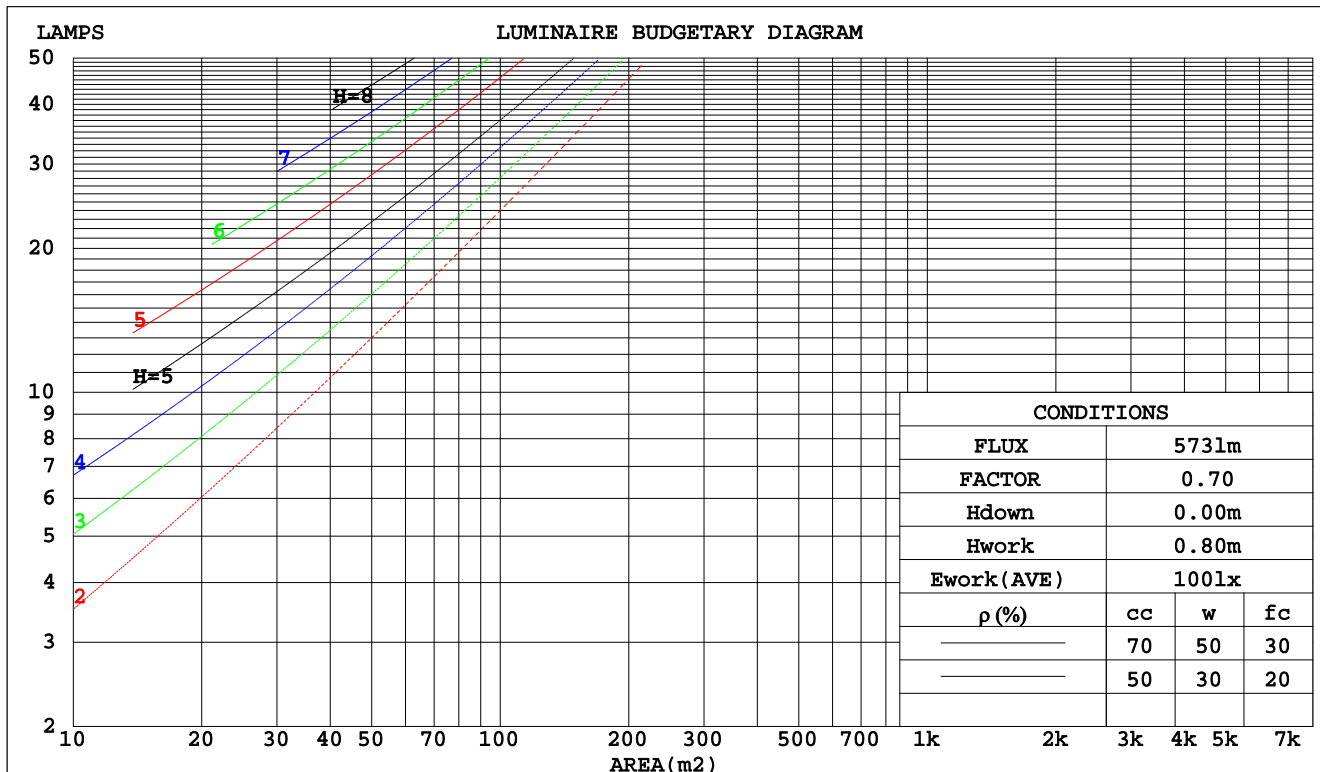
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-28

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-W4000-108-2835-1M	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	.99
1.0	1.04	.99	.95	1.01	.97	.93	.97	.93	.90	.92	.90	.87	.89	.86	.84	.82
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.77	.74	.70	.68
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.62	.71	.65	.60	.68	.63	.59	.57
4.0	.70	.61	.54	.68	.60	.53	.66	.58	.52	.63	.57	.51	.61	.55	.51	.48
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.56	.50	.45	.54	.49	.44	.42
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.39	.36
7.0	.51	.42	.35	.50	.41	.35	.48	.40	.35	.46	.40	.35	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.42	.34	.28	.40	.33	.28	.39	.33	.28	.38	.32	.28	.26
10.0	.39	.31	.26	.39	.31	.26	.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-W4000-108-2835-1M	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.325	.185	.059	.317	.181	.058	.303	.174	.056	.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	.277	.148	.044	.271	.145	.044	.260	.141	.043	.250	.137	.042	.240	.133	.041		
4.0	.255	.132	.039	.250	.131	.039	.240	.127	.038	.230	.124	.037	.222	.121	.037		
5.0	.235	.120	.035	.230	.118	.034	.221	.115	.034	.213	.112	.033	.205	.110	.033		
6.0	.217	.109	.031	.213	.108	.031	.205	.105	.031	.198	.103	.030	.191	.101	.030		
7.0	.202	.100	.028	.198	.099	.028	.191	.097	.028	.184	.095	.028	.178	.093	.027		
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.025	.173	.087	.025	.167	.086	.025		
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.023	.162	.081	.023	.157	.080	.023		
10.0	.166	.079	.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	.202	.202	.202	.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	.178	.126	.085	.152	.109	.074	.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	.036	.056	.036	.021	.018	.012	.007	
6.0	.155	.094	.050	.133	.081	.044	.092	.057	.031	.053	.033	.018	.017	.011	.006	
7.0	.148	.087	.044	.127	.075	.038	.088	.053	.027	.051	.031	.016	.017	.010	.005	
8.0	.141	.081	.040	.122	.070	.035	.084	.049	.025	.049	.029	.015	.016	.010	.005	
9.0	.135	.076	.036	.116	.066	.032	.081	.046	.022	.047	.027	.013	.015	.009	.004	
10.0	.129	.072	.033	.112	.062	.029	.077	.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-W4000-108-2835-1M						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	22.5	21.2	22.7	22.9	20.3	21.8	20.5	22.0	22.2
3H						22.6	24.0	22.9	24.3	24.6	21.7	23.1	22.0	23.4	23.6
4H						23.4	24.7	23.7	25.0	25.3	22.3	23.6	22.6	23.9	24.2
6H						23.9	25.2	24.3	25.5	25.8	22.6	23.9	23.0	24.2	24.5
8H						24.1	25.3	24.5	25.6	26.0	22.7	23.9	23.0	24.2	24.5
12H						24.2	25.4	24.6	25.7	26.1	22.6	23.8	23.0	24.1	24.5
4H 2H						21.5	22.8	21.8	23.1	23.4	20.9	22.3	21.3	22.5	22.8
3H						23.3	24.5	23.7	24.8	25.1	22.5	23.7	22.9	24.0	24.4
4H						24.2	25.2	24.6	25.6	26.0	23.2	24.3	23.6	24.6	25.0
6H						24.9	25.8	25.3	26.2	26.6	23.7	24.6	24.1	25.0	25.4
8H						25.1	26.0	25.6	26.4	26.8	23.8	24.7	24.2	25.1	25.5
12H						25.3	26.1	25.7	26.5	27.0	23.8	24.6	24.2	25.0	25.4
8H 4H						24.4	25.3	24.8	25.7	26.1	23.5	24.4	24.0	24.8	25.2
6H						25.2	26.0	25.7	26.4	26.8	24.1	24.9	24.6	25.3	25.7
8H						25.5	26.2	26.0	26.7	27.1	24.3	24.9	24.7	25.4	25.9
12H						25.8	26.4	26.3	26.8	27.3	24.3	24.9	24.8	25.3	25.8
12H 4H						24.4	25.2	24.8	25.6	26.0	23.6	24.4	24.0	24.8	25.2
6H						25.2	25.9	25.7	26.4	26.8	24.2	24.8	24.7	25.3	25.8
8H						25.6	26.2	26.1	26.6	27.2	24.3	24.9	24.8	25.4	25.9
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 569.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.0)

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-W4000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

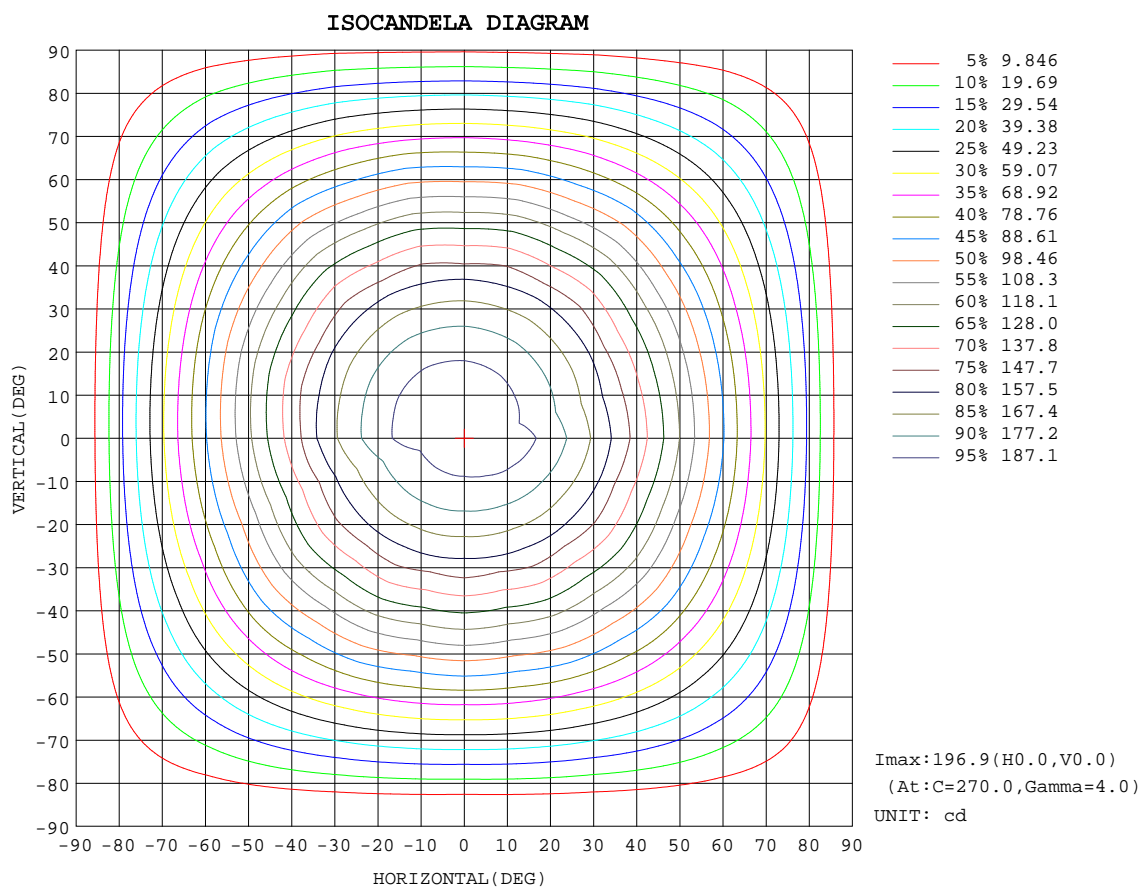
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	38	31
0.80	67	55	47	66	55	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	71	64	81	71	64	78	69	63	55
1.50	87	77	70	86	76	69	82	74	68	60
2.00	94	85	79	92	84	78	89	82	76	68
2.50	98	90	84	96	89	83	92	86	81	72
3.00	102	95	89	100	93	88	95	90	85	76
4.00	106	100	95	104	98	94	99	95	91	81
5.00	109	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

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-W4000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

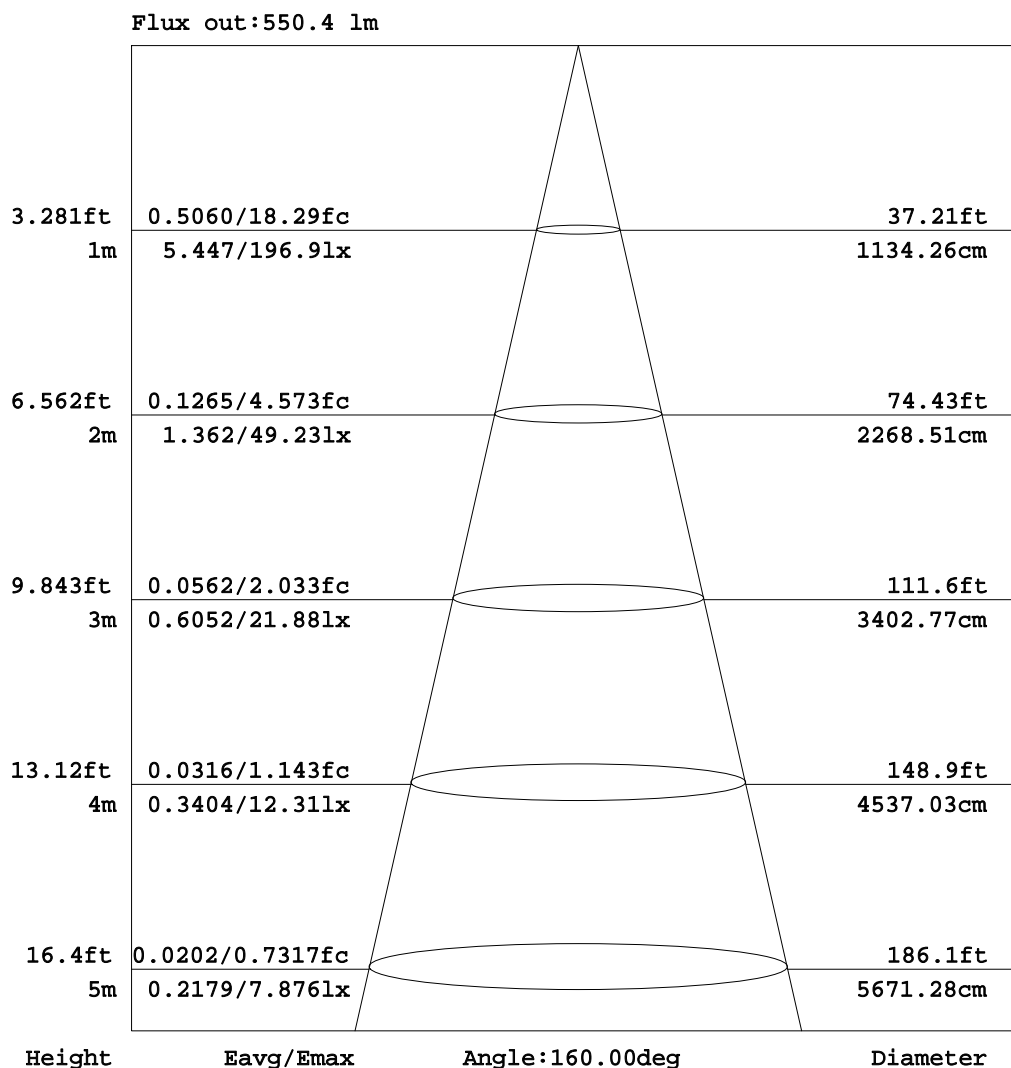


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-28

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-W4000-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:



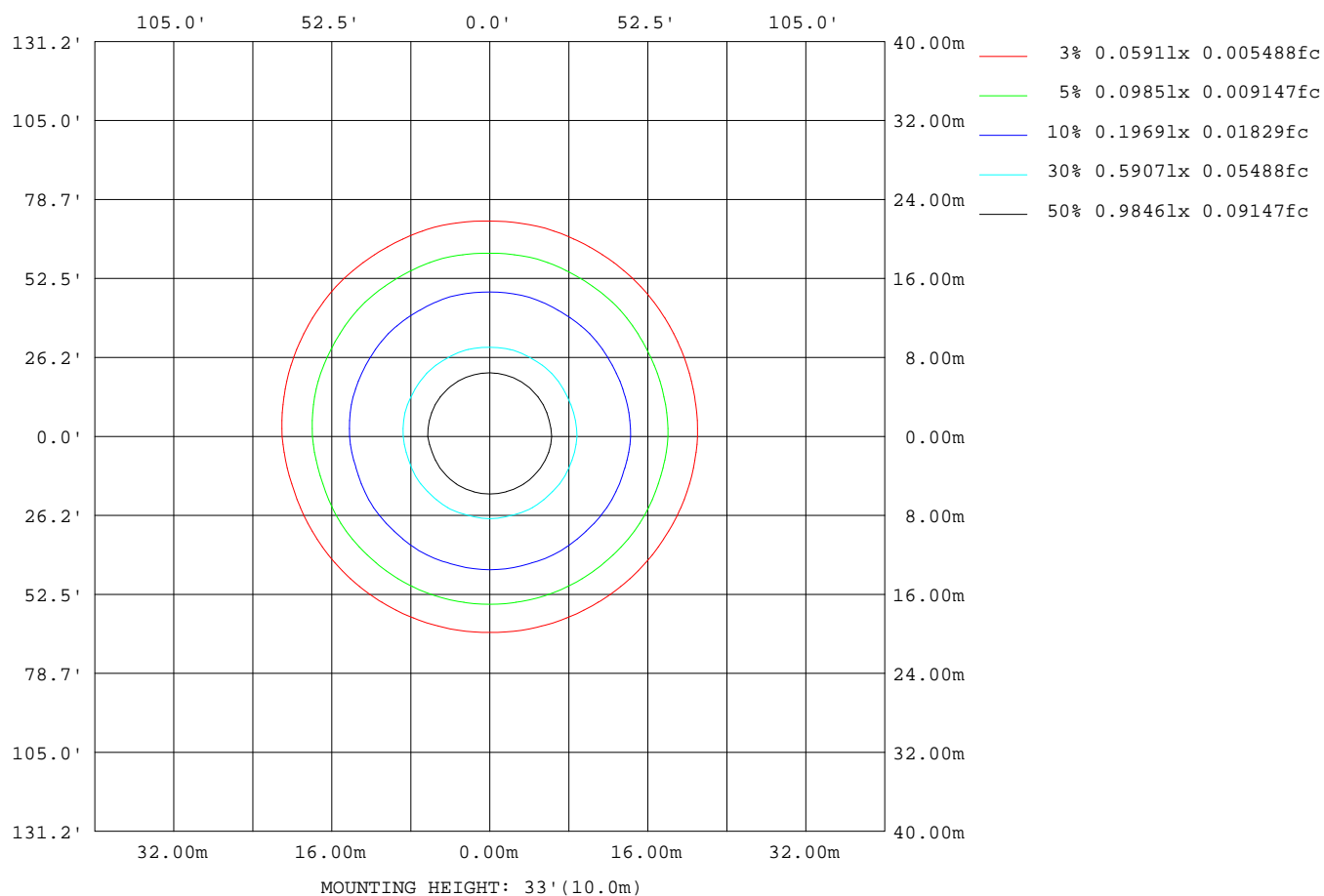
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W4000-108-2835-1M	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-W4000-108-2835-1M	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	569.1	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	11121	10771	10568	10440	10155	9987	9942	9751	9685	9751	9696	9772	9972	10015	10176	10447	10536	10696	10974
60	10974	10589	10356	10201	9902	9651	9498	9391	9314	9275	9323	9409	9522	9675	9921	10206	10314	10492	10793
65	10644	10374	10075	9771	9539	9327	9137	9021	8936	8888	8945	9041	9165	9350	9552	9763	10002	10297	10633
70	10477	10152	9794	9433	9155	8903	8680	8540	8434	8375	8443	8560	8707	8917	9146	9393	9685	10032	10414
75	10229	9820	9370	8916	8578	8261	7971	7811	7680	7592	7682	7826	8000	8268	8543	8827	9209	9647	10117
80	9769	9240	8631	8003	7546	7095	6665	6452	6268	6126	6253	6455	6697	7089	7470	7848	8418	8990	9556
85	8437	7651	6619	5505	4795	4185	3657	3433	3238	3073	3220	3450	3733	4213	4685	5218	6227	7209	8173

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	11121	200	---	500
Category 2	65 to 90	10644	200	---	500
Category 3	75 to 90	10229	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-W4000-108-2835-1M	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	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194	194
5	193	193	192	192	192	192	192	192	192	192	192	193	193	193	194	194	194	194	194
10	190	189	188	188	187	187	187	187	187	188	189	189	190	191	192	193	193	193	193
15	187	186	184	183	182	182	182	182	183	184	185	186	187	188	189	190	191	191	191
20	180	178	176	175	174	173	173	174	174	175	177	178	180	181	183	184	185	186	186
25	174	172	170	168	167	166	166	167	167	169	170	172	174	176	178	179	180	181	181
30	163	161	159	157	155	154	154	155	155	157	159	161	163	166	168	170	171	171	171
35	155	153	150	146	146	143	145	143	146	146	150	151	155	158	160	162	164	164	164
40	142	137	136	132	132	129	130	129	132	132	136	137	140	144	145	149	149	151	149
45	132	127	126	122	121	119	120	119	122	122	126	127	130	135	136	140	140	142	140
50	116	111	110	106	105	102	103	103	105	106	110	111	114	119	121	124	124	126	125
55	105	100	98.6	94.8	94.1	91.5	92.3	91.7	94.3	95.0	98.7	99.9	104	108	110	114	114	116	114
60	87.8	83.6	81.6	78.0	76.0	74.8	74.2	74.9	76.2	78.2	81.6	83.0	86.3	91.0	93.0	96.7	96.9	98.7	97.3
65	74.9	72.1	68.9	66.7	64.6	63.6	62.9	63.7	64.8	66.8	68.9	71.5	74.8	78.7	81.5	84.9	85.4	87.1	85.8
70	57.3	54.6	51.6	49.4	47.5	46.5	45.8	46.5	47.6	49.4	51.4	53.9	57.0	60.3	63.8	66.0	67.7	68.3	68.3
75	45.4	42.8	39.9	37.8	35.9	35.0	34.3	35.0	36.0	37.8	39.5	42.0	44.9	48.3	51.8	54.0	55.7	56.2	56.3
80	27.1	24.9	22.2	20.4	18.5	17.7	17.0	17.7	18.6	20.3	21.8	24.2	26.5	29.9	33.6	35.8	37.6	38.1	38.3
85	14.9	12.9	10.5	8.87	7.41	6.79	6.29	6.75	7.45	8.73	10.0	12.3	14.4	17.9	21.4	23.6	25.5	26.0	26.3
90	0.03	0.34	0.69	0.99	1.24	1.38	1.44	1.68	2.05	2.19	2.26	2.63	2.29	3.19	5.02	6.64	8.07	8.54	8.75
95	0.00	0.24	0.58	0.86	1.10	1.23	1.28	1.51	1.88	2.03	2.12	2.52	2.27	2.72	3.06	2.95	2.82	2.56	2.38
100	0.03	0.25	0.55	0.79	1.00	1.11	1.16	1.35	1.72	1.89	2.00	2.47	2.18	2.54	2.80	2.67	2.48	2.13	1.89
105	0.09	0.28	0.55	0.79	0.98	1.08	1.12	1.29	1.63	1.81	1.93	2.30	2.11	2.40	2.65	2.51	2.31	1.98	1.75
110	0.18	0.33	0.58	0.78	0.95	1.04	1.08	1.22	1.50	1.69	1.80	2.10	1.99	2.18	2.38	2.27	2.07	1.74	1.55
115	0.24	0.34	0.61	0.79	0.95	1.02	1.05	1.19	1.40	1.58	1.73	1.95	1.91	2.04	2.17	2.06	1.94	1.60	1.43
120	0.32	0.36	0.65	0.81	0.94	1.00	1.02	1.12	1.31	1.47	1.61	1.74	1.80	1.84	1.92	1.82	1.68	1.45	1.29
125	0.37	0.41	0.66	0.82	0.94	0.99	1.01	1.09	1.22	1.38	1.53	1.63	1.72	1.70	1.77	1.67	1.51	1.35	1.21
130	0.44	0.47	0.66	0.83	0.92	0.98	0.99	1.04	1.12	1.28	1.41	1.52	1.61	1.55	1.58	1.47	1.30	1.19	1.08
135	0.48	0.52	0.63	0.82	0.92	0.96	0.97	0.98	1.07	1.22	1.32	1.45	1.53	1.47	1.45	1.35	1.19	1.06	1.02
140	0.54	0.59	0.62	0.79	0.90	0.94	0.94	0.89	0.98	1.11	1.20	1.34	1.42	1.34	1.27	1.22	1.06	0.91	0.94
145	0.58	0.62	0.66	0.73	0.86	0.91	0.91	0.84	0.94	1.02	1.14	1.27	1.34	1.27	1.16	1.11	0.99	0.86	0.90
150	0.64	0.67	0.70	0.69	0.76	0.83	0.84	0.77	0.84	0.93	1.07	1.17	1.22	1.16	1.06	0.97	0.87	0.78	0.84
155	0.67	0.70	0.74	0.72	0.71	0.73	0.74	0.70	0.79	0.91	1.02	1.10	1.15	1.09	1.01	0.88	0.80	0.73	0.78
160	0.72	0.75	0.77	0.77	0.75	0.75	0.74	0.73	0.80	0.87	0.96	1.01	1.04	0.99	0.92	0.84	0.74	0.67	0.67
165	0.75	0.78	0.80	0.79	0.78	0.78	0.78	0.77	0.80	0.86	0.92	0.96	0.98	0.93	0.88	0.82	0.75	0.71	0.71
170	0.80	0.82	0.83	0.83	0.81	0.82	0.83	0.82	0.81	0.83	0.87	0.88	0.90	0.86	0.84	0.80	0.77	0.77	0.79
175	0.82	0.85	0.85	0.85	0.83	0.84	0.84	0.84	0.84	0.83	0.84	0.84	0.85	0.83	0.81	0.81	0.81	0.82	0.82
180	0.85	0.87	0.87	0.86	0.86	0.87	0.87	0.88	0.86	0.86	0.87	0.87	0.87	0.85	0.85	0.86	0.86	0.86	0.88

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-W4000-108-2835-1M	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	194	194	194	194	194														
5	194	194	194	194	193														
10	193	193	192	192	191														
15	191	190	190	189	188														
20	185	185	184	183	181														
25	180	180	178	177	176														
30	171	170	169	167	166														
35	163	163	161	160	158														
40	151	148	148	145	144														
45	141	138	139	135	134														
50	126	123	123	120	119														
55	115	113	112	109	108														
60	98.0	95.7	95.3	91.9	90.9														
65	86.4	84.2	83.6	80.5	78.6														
70	67.6	66.7	64.7	62.8	60.4														
75	55.8	54.8	52.9	50.9	48.3														
80	37.7	36.8	34.8	32.8	30.1														
85	25.7	24.8	22.8	20.8	18.0														
90	8.20	7.31	5.58	3.84	1.87														
95	2.18	1.83	1.35	0.84	0.30														
100	1.80	1.55	1.17	0.71	0.24														
105	1.67	1.43	1.07	0.66	0.24														
110	1.48	1.27	0.96	0.62	0.28														
115	1.37	1.19	0.92	0.60	0.31														
120	1.25	1.09	0.86	0.60	0.32														
125	1.18	1.04	0.82	0.61	0.33														
130	1.07	0.97	0.79	0.62	0.41														
135	1.01	0.92	0.78	0.60	0.45														
140	0.93	0.88	0.76	0.56	0.54														
145	0.90	0.86	0.73	0.55	0.57														
150	0.83	0.78	0.65	0.62	0.63														
155	0.76	0.70	0.64	0.66	0.67														
160	0.67	0.68	0.70	0.71	0.73														
165	0.71	0.72	0.74	0.75	0.76														
170	0.79	0.79	0.79	0.80	0.81														
175	0.82	0.83	0.83	0.83	0.83														
180	0.86	0.86	0.87	0.86	0.87														

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: