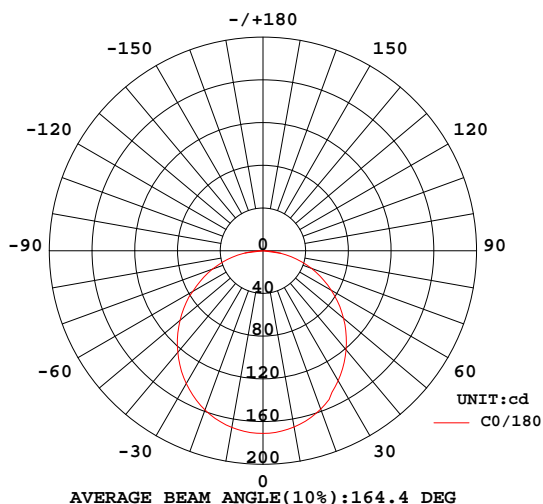


LUMINAIRE PHOTOMETRIC TEST REPORT

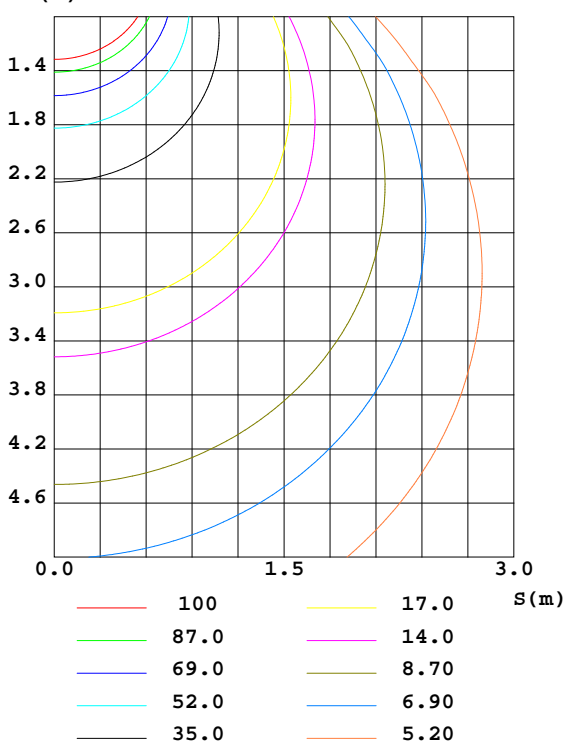
NAME: C-SFR-F22B-VB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 46.85 lm/W
MODEL	2835	Imax(cd)	171.2	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	12	LOR(%)	100.3	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	511.63	η UP,DN(C0-180)	0.7,47.0	
NOMINAL FLUX(lm)	510	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.6,51.0	
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	98.1	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	168.0	167.4	167.4	167.3	167.6	168.8	169.2	168.8	0- 10	16.19	16.19	3.16,3.17
20	158.7	158.1	158.0	157.7	157.9	160.4	161.6	160.5	10- 20	46.38	62.57	12.2,12.3
30	143.7	140.9	142.3	140.4	140.7	146.5	146.3	146.6	20- 30	70.02	132.6	25.9,26
40	124.1	120.8	121.2	120.3	121.1	127.7	128.1	128.0	30- 40	83.97	216.6	42.3,42.5
50	101.4	97.21	96.98	96.66	98.41	105.8	106.3	106.0	40- 50	87.09	303.6	59.3,59.5
60	75.69	72.35	70.45	71.81	73.80	81.54	82.49	81.98	50- 60	79.54	383.2	74.9,75.1
70	50.30	46.94	45.07	46.25	48.16	55.47	57.89	55.95	60- 70	62.87	446.1	87.2,87.5
80	24.04	21.08	19.34	20.29	21.71	29.63	32.53	30.23	70- 80	40.02	486.1	95,95.3
90	1.019	1.956	2.228	2.290	1.411	6.350	8.766	6.506	80- 90	14.16	500.2	97.8,98.1
100	0.5166	1.505	1.845	1.991	1.487	4.463	5.519	4.081	90-100	3.331	503.6	98.4,98.7
110	0.1041	1.104	1.566	1.697	1.504	3.750	4.735	3.336	100-110	2.628	506.2	98.9,99.3
120	0.1876	0.8350	1.295	1.311	1.364	2.728	3.918	2.620	110-120	1.979	508.2	99.3,99.6
130	0.3038	0.6555	1.036	1.054	1.240	1.977	3.005	2.007	120-130	1.412	509.6	99.6,99.9
140	0.4149	0.5009	0.7896	0.8259	1.104	1.427	2.294	1.475	130-140	0.9356	510.5	99.8,100
150	0.5039	0.5261	0.5484	0.7282	0.9485	0.7030	1.554	0.5148	140-150	0.5673	511.1	99.9,100
160	0.5879	0.6083	0.5981	0.6956	0.8176	0.6756	0.5556	0.5951	150-160	0.3032	511.4	100,100
170	0.6571	0.6706	0.6710	0.6706	0.7065	0.6556	0.6586	0.6779	160-170	0.1857	511.6	100,100
180	0.7115	0.7204	0.7239	0.7307	0.7164	0.7279	0.7365	0.7383	170-180	0.0661	511.6	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

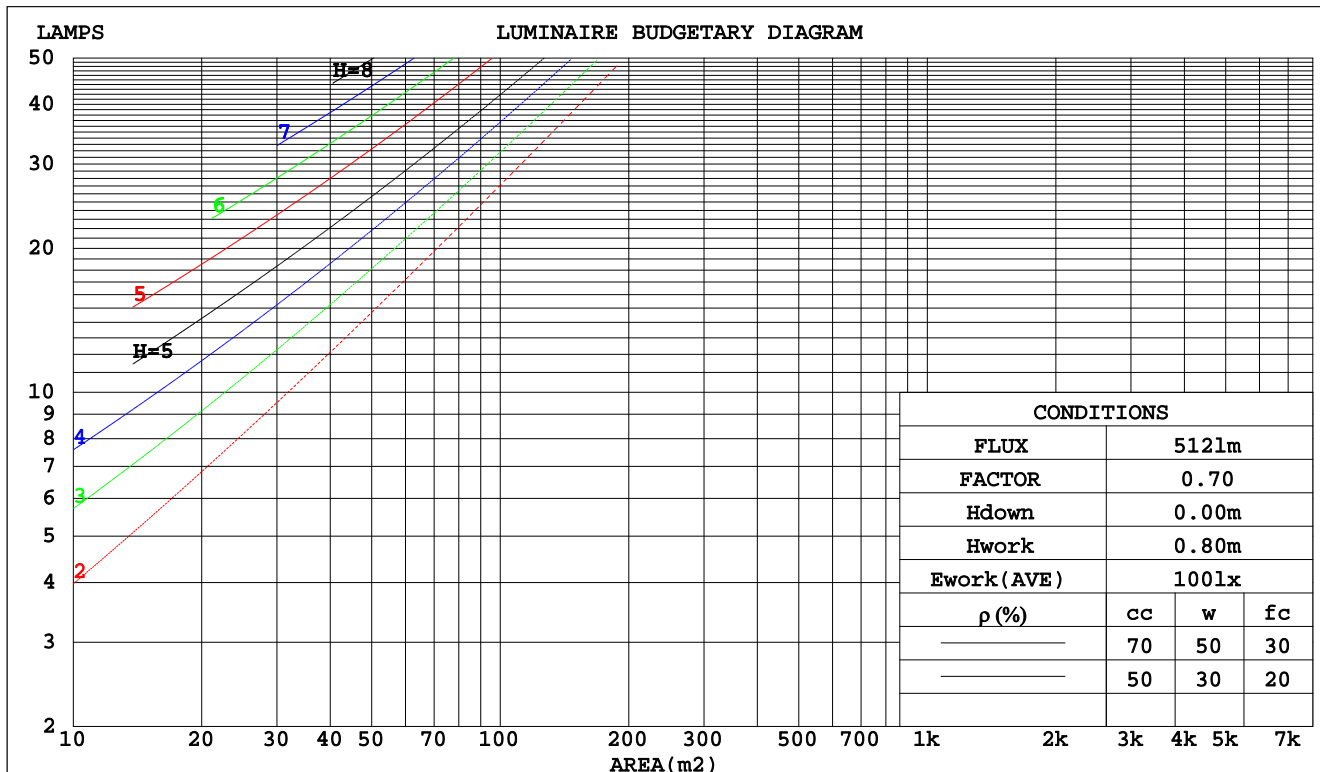
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-VB-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	Coefficients of Utilization(CU)															
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.10	1.10	1.10	1.05	1.05	1.05	1.00	1.00	1.00	.98
1.0	1.03	.98	.94	1.00	.96	.93	.96	.92	.89	.91	.89	.86	.87	.85	.83	.81
2.0	.89	.82	.76	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.76	.69	.62	.73	.66	.61	.70	.64	.60	.67	.62	.58	.56
4.0	.69	.60	.53	.68	.59	.53	.65	.58	.52	.62	.56	.51	.60	.54	.50	.48
5.0	.62	.53	.46	.60	.52	.45	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.46	.40	.54	.46	.40	.52	.45	.39	.50	.44	.39	.49	.43	.38	.36
7.0	.50	.41	.35	.49	.41	.35	.48	.40	.35	.46	.39	.34	.44	.38	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.42	.35	.31	.41	.35	.30	.28
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.27	.38	.32	.27	.25
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-VB-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					Wall Exitance Coefficients(WEC)
0.0						
1.0	.325 .185 .058	.317 .181 .057	.302 .173 .055	.289 .167 .053	.276 .160 .052	
2.0	.301 .165 .051	.294 .162 .050	.281 .156 .049	.269 .151 .047	.258 .146 .046	
3.0	.276 .147 .044	.270 .145 .044	.259 .140 .043	.248 .136 .042	.238 .132 .041	
4.0	.254 .132 .039	.248 .130 .038	.238 .126 .038	.228 .123 .037	.219 .119 .036	
5.0	.234 .119 .034	.229 .117 .034	.220 .114 .034	.211 .111 .033	.203 .109 .033	
6.0	.216 .108 .031	.212 .107 .031	.204 .104 .030	.196 .102 .030	.189 .099 .030	
7.0	.201 .099 .028	.197 .098 .028	.190 .096 .028	.183 .094 .027	.176 .092 .027	
8.0	.187 .092 .026	.184 .090 .026	.177 .089 .025	.171 .087 .025	.165 .085 .025	
9.0	.175 .085 .024	.172 .084 .024	.166 .082 .023	.161 .080 .023	.155 .079 .023	
10.0	.165 .079 .022	.162 .078 .022	.156 .077 .022	.151 .075 .021	.146 .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	.208 .208 .208	.178 .178 .178	.121 .121 .121	.070 .070 .070	.022 .022 .022	
1.0	.199 .174 .151	.170 .149 .130	.116 .103 .090	.067 .059 .052	.021 .019 .017	
2.0	.191 .150 .115	.164 .129 .099	.112 .089 .069	.065 .052 .041	.021 .017 .013	
3.0	.183 .132 .091	.157 .114 .079	.108 .079 .055	.062 .046 .033	.020 .015 .011	
4.0	.176 .119 .075	.151 .103 .066	.104 .072 .046	.060 .042 .027	.019 .014 .009	
5.0	.168 .109 .064	.144 .094 .056	.099 .066 .040	.058 .039 .023	.019 .013 .008	
6.0	.161 .100 .057	.138 .087 .049	.095 .061 .035	.055 .036 .021	.018 .012 .007	
7.0	.154 .093 .051	.132 .081 .044	.092 .057 .031	.053 .033 .019	.017 .011 .006	
8.0	.147 .087 .046	.127 .076 .040	.088 .053 .029	.051 .031 .017	.017 .010 .006	
9.0	.141 .083 .043	.122 .072 .037	.084 .050 .027	.049 .030 .016	.016 .010 .005	
10.0	.136 .078 .040	.117 .068 .035	.081 .048 .025	.047 .028 .015	.015 .009 .005	

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-VB-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	20.5	22.0	20.8	22.3	22.5	20.2	21.7	20.5	21.9	22.2	
	3H	22.2	23.6	22.5	23.8	24.1	21.7	23.1	22.1	23.4	23.7
	4H	22.9	24.2	23.2	24.5	24.8	22.4	23.7	22.7	24.0	24.3
	6H	23.5	24.7	23.8	25.0	25.4	22.8	24.1	23.2	24.4	24.7
	8H	23.7	24.9	24.1	25.2	25.6	22.9	24.2	23.3	24.5	24.8
	12H	23.8	25.0	24.2	25.3	25.7	23.0	24.2	23.4	24.5	24.8
4H	2H	21.1	22.4	21.4	22.7	23.0	20.8	22.2	21.2	22.5	22.8
	3H	22.9	24.1	23.3	24.4	24.8	22.6	23.7	23.0	24.1	24.4
	4H	23.8	24.9	24.2	25.2	25.6	23.3	24.4	23.7	24.8	25.1
	6H	24.5	25.5	24.9	25.8	26.3	23.9	24.9	24.3	25.3	25.7
	8H	24.8	25.6	25.2	26.1	26.5	24.1	25.0	24.5	25.4	25.8
	12H	24.9	25.8	25.4	26.2	26.6	24.2	25.0	24.6	25.4	25.9
8H	4H	24.1	24.9	24.5	25.3	25.8	23.6	24.5	24.1	24.9	25.4
	6H	24.9	25.7	25.4	26.1	26.6	24.4	25.1	24.9	25.6	26.0
	8H	25.3	25.9	25.8	26.4	26.9	24.6	25.3	25.1	25.8	26.3
	12H	25.5	26.1	26.0	26.6	27.1	24.8	25.3	25.3	25.8	26.4
12H	4H	24.1	24.9	24.5	25.3	25.8	23.7	24.5	24.1	24.9	25.4
	6H	25.0	25.6	25.5	26.1	26.6	24.5	25.1	25.0	25.6	26.1
	8H	25.4	25.9	25.9	26.4	26.9	24.7	25.3	25.3	25.8	26.3
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 / - 0.2					+ 0.1 / - 0.3					

CIE Pub.117 Corrected 510.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.3)

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

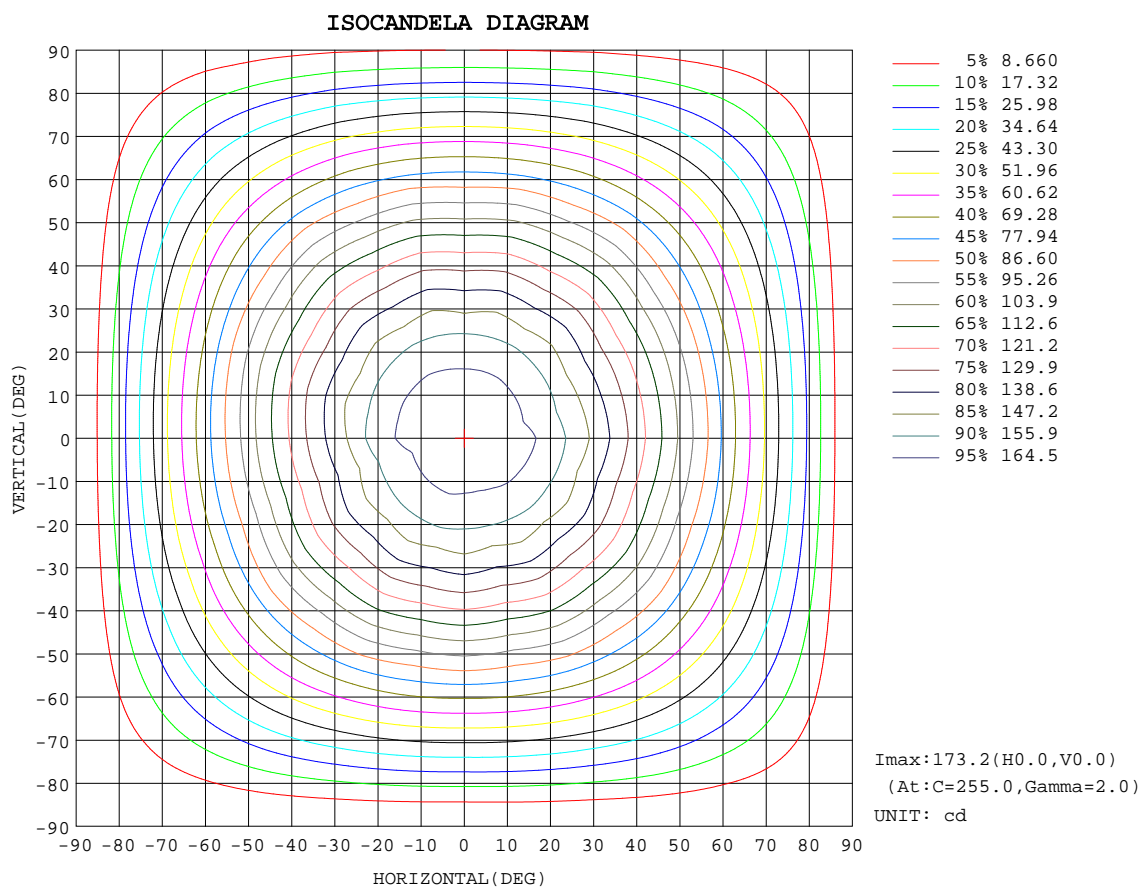
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	56	45	38	56	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	62	55	71	64	55	47
1.25	82	71	63	80	70	63	77	68	62	54
1.50	87	76	69	85	75	69	82	73	67	59
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	89	83	95	88	82	91	85	80	71
3.00	101	94	88	99	92	87	94	89	84	75
4.00	105	99	94	103	97	93	98	94	90	80
5.00	108	103	98	105	100	96	100	96	93	83
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR <sub>NOM</sub> = 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-VB-D24CC-W2200-108-2835-1M	TYPE:	WEIGHT:0.325Kg/m
DIM.: 16*17mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:

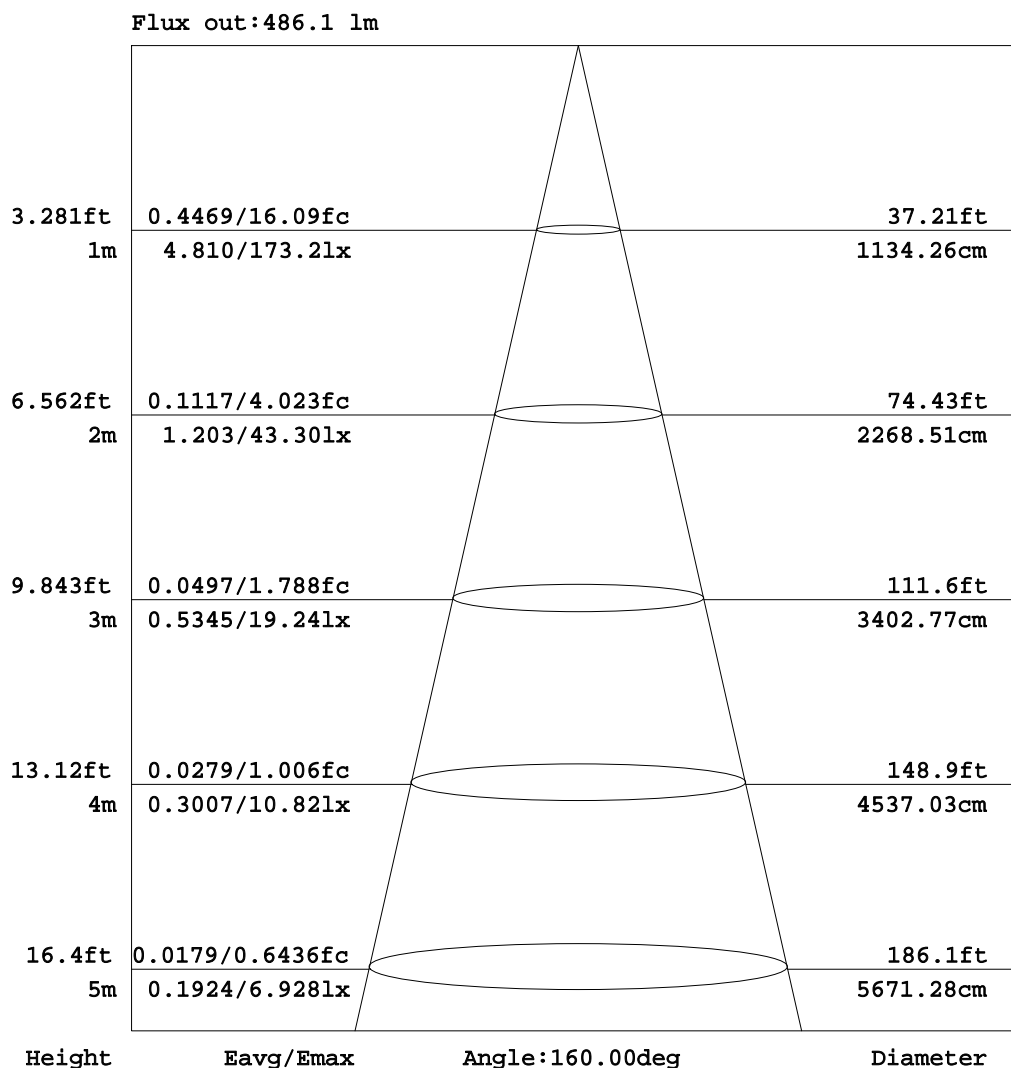


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

$\gamma$  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-VB-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.

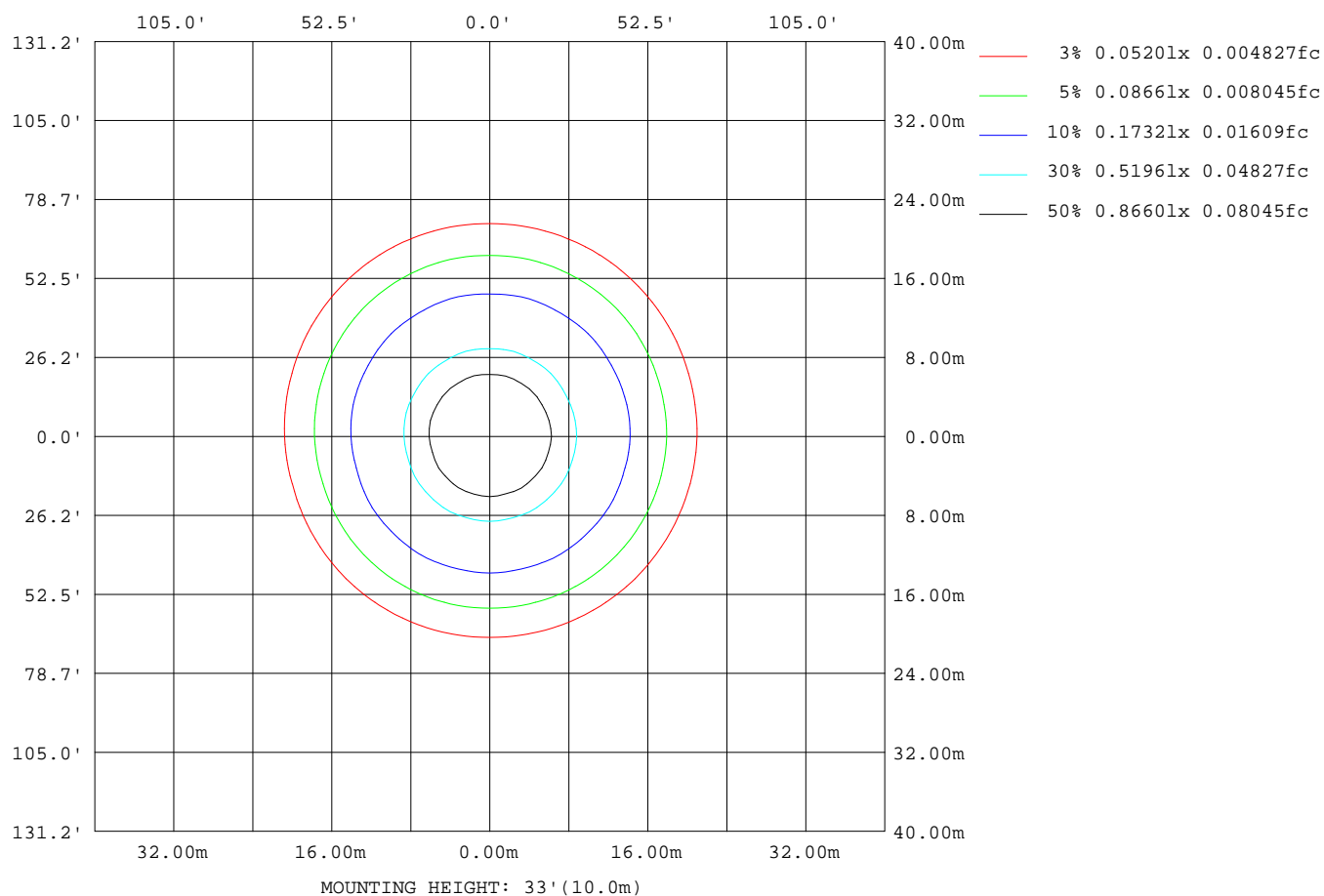
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:  
Test Date:2018-06-28

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-VB-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-VB-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	510	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	9734	9512	9450	9468	9315	9267	9319	9168	9121	9193	9114	9145	9276	9216	9246	9365	9301	9294	9414
60	9461	9346	9237	9140	9073	9011	8948	8893	8841	8807	8828	8861	8895	8951	8989	9010	9042	9110	9224
65	9335	9192	9062	8949	8866	8788	8710	8653	8593	8545	8572	8610	8644	8707	8755	8784	8819	8899	9040
70	9192	9026	8865	8720	8622	8524	8424	8353	8286	8236	8260	8297	8335	8414	8473	8506	8540	8630	8800
75	9005	8784	8579	8397	8269	8139	8005	7927	7846	7775	7812	7854	7889	7988	8060	8095	8140	8244	8450
80	8654	8386	8092	7809	7656	7477	7266	7173	7066	6960	7021	7068	7087	7231	7328	7361	7447	7573	7815
85	7836	7421	6927	6426	6151	5865	5562	5468	5333	5166	5239	5307	5340	5498	5588	5604	5710	5853	6241

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	9734	200	---	500
Category 2	65 to 90	9335	200	---	500
Category 3	75 to 90	9005	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-VB-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	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171	171
5	171	171	170	170	170	170	170	170	170	170	170	170	170	171	171	171	171	171	171
10	168	168	168	167	167	167	167	167	167	167	167	167	168	168	168	169	169	169	169
15	165	165	164	164	164	164	164	164	164	164	164	164	165	165	166	166	167	167	167
20	159	158	158	158	158	158	158	158	158	158	157	157	158	159	160	160	162	162	162
25	153	153	152	153	153	151	152	152	152	151	152	150	152	153	154	155	157	157	157
30	144	141	143	141	143	140	142	141	142	140	142	140	141	144	143	146	146	149	146
35	136	134	135	133	135	133	134	133	135	133	134	133	133	136	136	139	139	142	140
40	124	122	123	121	122	120	121	120	122	120	122	120	121	124	125	128	128	130	128
45	115	113	114	112	113	110	112	111	112	111	113	111	112	115	116	119	119	122	120
50	101	98.9	99.2	97.2	98.0	95.9	97.0	95.9	97.6	96.7	98.3	97.2	98.4	102	102	106	106	108	106
55	91.8	89.2	89.4	87.3	88.0	86.0	86.8	85.9	87.6	86.8	88.4	87.5	88.9	92.1	93.2	96.3	96.6	98.6	97.0
60	75.7	74.3	73.1	72.4	71.6	70.9	70.5	70.8	71.2	71.8	72.1	72.6	73.8	75.9	78.4	81.5	82.0	84.0	82.5
65	65.6	64.2	63.0	62.2	61.4	60.9	60.3	60.7	61.0	61.6	61.9	62.4	63.7	65.9	68.5	70.5	72.2	72.9	72.8
70	50.3	49.0	47.7	46.9	46.1	45.5	45.1	45.3	45.6	46.3	46.5	46.9	48.2	50.6	53.4	55.5	57.1	57.9	57.9
75	39.9	38.6	37.4	36.6	35.7	35.3	34.8	35.0	35.3	35.9	36.1	36.5	37.6	40.2	43.0	45.1	47.0	47.8	47.8
80	24.0	22.9	21.7	21.1	20.2	19.8	19.3	19.6	19.7	20.3	20.5	20.9	21.7	24.3	27.4	29.6	31.6	32.3	32.5
85	13.6	12.6	11.5	10.8	10.1	9.82	9.42	9.59	9.73	10.1	10.3	10.6	11.2	14.1	17.1	19.4	21.2	22.1	22.3
90	1.02	1.25	1.61	1.96	2.16	2.25	2.23	2.31	2.35	2.29	2.08	1.76	1.41	2.79	4.62	6.35	7.79	8.55	8.77
95	0.63	0.97	1.38	1.74	1.96	2.06	2.04	2.12	2.19	2.15	1.97	1.69	1.44	2.52	3.80	4.86	5.62	6.02	6.02
100	0.52	0.73	1.15	1.51	1.73	1.85	1.85	1.93	2.00	1.99	1.85	1.62	1.49	2.30	3.50	4.46	5.11	5.52	5.52
105	0.39	0.54	0.95	1.35	1.60	1.73	1.73	1.80	1.88	1.85	1.77	1.57	1.50	2.15	3.30	4.19	4.81	5.17	5.22
110	0.10	0.27	0.69	1.10	1.39	1.55	1.57	1.62	1.70	1.70	1.55	1.48	1.50	1.93	2.79	3.75	4.38	4.68	4.73
115	0.12	0.18	0.56	0.98	1.26	1.43	1.46	1.51	1.56	1.52	1.44	1.37	1.47	1.71	2.48	3.28	4.07	4.33	4.41
120	0.19	0.20	0.47	0.83	1.09	1.27	1.29	1.33	1.32	1.31	1.29	1.29	1.36	1.26	2.09	2.73	3.37	3.87	3.92
125	0.24	0.25	0.44	0.76	0.99	1.16	1.19	1.22	1.18	1.21	1.20	1.25	1.32	1.23	1.90	2.39	2.91	3.54	3.58
130	0.30	0.32	0.38	0.66	0.85	1.01	1.04	1.04	1.00	1.05	1.08	1.20	1.24	1.16	1.60	1.98	2.34	2.89	3.01
135	0.35	0.37	0.38	0.59	0.76	0.91	0.93	0.88	0.90	0.95	1.00	1.14	1.18	1.11	1.15	1.77	2.01	2.43	2.75
140	0.41	0.43	0.43	0.50	0.65	0.76	0.79	0.71	0.76	0.83	0.94	1.07	1.10	1.03	0.91	1.43	1.64	1.88	2.29
145	0.45	0.46	0.47	0.47	0.59	0.68	0.70	0.63	0.69	0.76	0.90	1.01	1.04	0.98	0.88	0.92	1.42	1.58	2.04
150	0.50	0.52	0.52	0.53	0.51	0.54	0.55	0.52	0.61	0.73	0.86	0.93	0.95	0.90	0.83	0.70	0.68	1.06	1.55
155	0.54	0.55	0.55	0.56	0.55	0.55	0.53	0.55	0.62	0.71	0.82	0.87	0.89	0.85	0.78	0.70	0.58	0.51	0.69
160	0.59	0.60	0.60	0.61	0.59	0.60	0.60	0.59	0.63	0.70	0.77	0.80	0.82	0.78	0.74	0.68	0.60	0.56	0.56
165	0.62	0.62	0.63	0.63	0.63	0.64	0.63	0.63	0.63	0.68	0.74	0.76	0.77	0.74	0.70	0.66	0.61	0.60	0.60
170	0.66	0.66	0.67	0.67	0.67	0.68	0.67	0.68	0.67	0.67	0.70	0.71	0.71	0.69	0.68	0.66	0.65	0.66	0.66
175	0.69	0.69	0.69	0.70	0.70	0.71	0.70	0.69	0.70	0.70	0.71	0.70	0.69	0.68	0.68	0.69	0.68	0.70	0.69
180	0.71	0.72	0.71	0.72	0.71	0.73	0.72	0.71	0.73	0.73	0.74	0.73	0.72	0.71	0.72	0.73	0.72	0.73	0.74

C Range: 0 - 360DEG  
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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:

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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	171	171	171	171	171														
5	171	171	171	171	171														
10	169	169	169	169	168														
15	167	167	166	166	166														
20	161	161	161	160	159														
25	157	156	156	155	154														
30	148	146	147	144	145														
35	141	139	140	137	138														
40	129	127	128	125	126														
45	121	119	120	117	117														
50	108	106	106	103	103														
55	98.1	96.4	96.6	94.0	93.8														
60	83.5	81.8	82.0	79.4	77.6														
65	72.5	72.1	70.9	69.5	67.8														
70	57.7	57.2	55.9	54.4	52.6														
75	47.6	47.0	45.7	44.2	42.2														
80	32.2	31.8	30.2	28.7	26.5														
85	22.1	21.5	20.0	18.4	16.2														
90	8.49	7.85	6.51	4.91	3.02														
95	5.87	5.41	4.53	3.36	1.95														
100	5.36	4.93	4.08	2.92	1.56														
105	5.06	4.63	3.79	2.64	1.31														
110	4.60	4.16	3.34	2.21	0.98														
115	4.28	3.86	3.04	1.94	0.77														
120	3.80	3.39	2.62	1.62	0.25														
125	3.47	3.08	2.35	1.48	0.27														
130	3.00	2.63	2.01	1.25	0.32														
135	2.67	2.34	1.83	0.77	0.36														
140	2.24	1.99	1.47	0.44	0.42														
145	1.99	1.76	0.87	0.47	0.46														
150	1.41	0.81	0.51	0.52	0.51														
155	0.62	0.54	0.55	0.55	0.55														
160	0.57	0.58	0.60	0.61	0.60														
165	0.61	0.62	0.63	0.64	0.63														
170	0.66	0.67	0.68	0.69	0.67														
175	0.70	0.70	0.70	0.72	0.70														
180	0.74	0.73	0.74	0.74	0.73														

C Range: 0 - 360DEG  
C Interval: 15.0DEG  
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Humidity:45.0%  
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