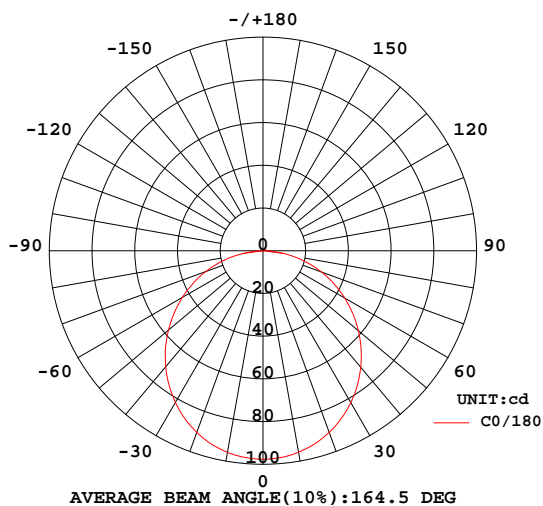


LUMINAIRE PHOTOMETRIC TEST REPORT

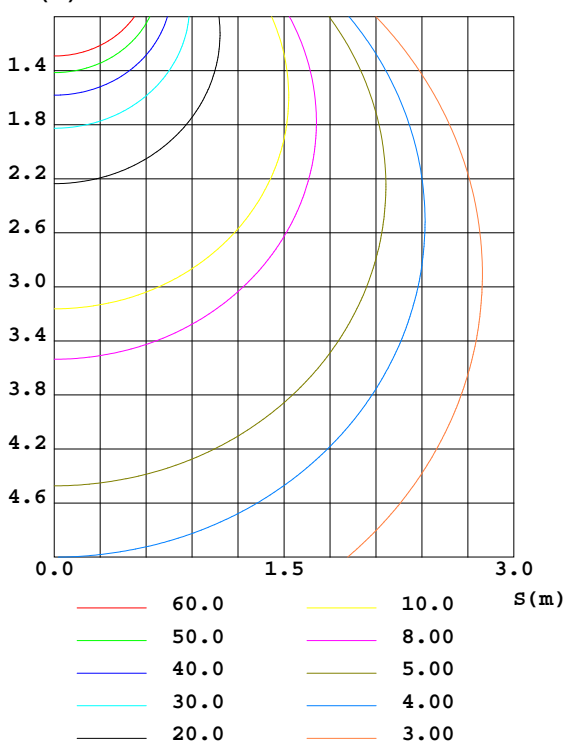
NAME: C-SFR-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.22 lm/W
MODEL	2835	I _{max} (cd)	97.64	S/MH(C0/180)	1.25	
NOMINAL POWER(W)	12	LOR(%)	97.6	S/MH(C90/270)	1.24	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	295.02	η UP, DN(C0-180)	1.6, 47.0	
NOMINAL FLUX(lm)	302.32	CIE CLASS	DIRECT	η UP, DN(C180-360)	0.5, 48.5	
LAMPS INSIDE	1	η up(%)	2.1	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	95.5	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: 2018-06-26

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	95.88	95.58	95.40	95.54	95.80	96.13	96.30	96.19	0- 10	9.234	9.234	3.13,3.05
20	90.57	90.13	89.68	90.02	90.55	91.23	91.55	91.34	10- 20	26.44	35.67	12.1,11.8
30	82.02	81.48	80.87	81.40	82.19	83.14	83.53	83.20	20- 30	40.01	75.68	25.7,25
40	70.90	70.36	69.66	70.37	71.23	72.40	72.74	72.37	30- 40	48.22	123.9	42,41
50	57.85	57.40	56.79	57.47	58.34	59.69	59.99	59.55	40- 50	50.20	174.1	59,57.6
60	43.52	43.50	43.03	43.61	44.15	45.59	45.91	45.40	50- 60	46.07	220.2	74.6,72.8
70	28.55	28.98	28.80	29.11	29.20	30.82	31.20	30.62	60- 70	36.74	256.9	87.1,85
80	12.94	14.12	14.22	14.23	13.59	15.47	16.14	15.32	70- 80	23.39	280.3	95,92.7
90	0.0067	2.983	4.339	3.860	1.638	2.177	2.403	1.572	80- 90	8.319	288.6	97.8,95.5
100	0	2.350	3.511	3.211	1.504	1.120	0.4950	0.1780	90-100	2.023	290.6	98.5,96.1
110	0	1.982	3.008	2.667	1.335	0.8829	0.2200	0.0452	100-110	1.517	292.2	99,96.6
120	0	1.622	2.503	1.913	1.160	0.7028	0.1000	0.0251	110-120	1.131	293.3	99.4,97
130	0.0363	1.242	1.982	1.337	0.9664	0.5746	0.0600	0.0525	120-130	0.7913	294.1	99.7,97.3
140	0.0944	0.4232	1.412	0.6606	0.7726	0.4390	0.0626	0.0776	130-140	0.4880	294.6	99.8,97.4
150	0.1429	0.1874	0.3146	0.3658	0.5812	0.3305	0.0876	0.1277	140-150	0.2432	294.8	99.9,97.5
160	0.2010	0.2343	0.1801	0.3056	0.4093	0.2565	0.1477	0.1904	150-160	0.1128	294.9	100,97.6
170	0.2592	0.2786	0.2277	0.2480	0.2906	0.2244	0.2027	0.2479	160-170	0.0683	295.0	100,97.6
180	0.2931	0.2910	0.2577	0.2781	0.2956	0.2737	0.2402	0.2781	170-180	0.0241	295.0	100,97.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

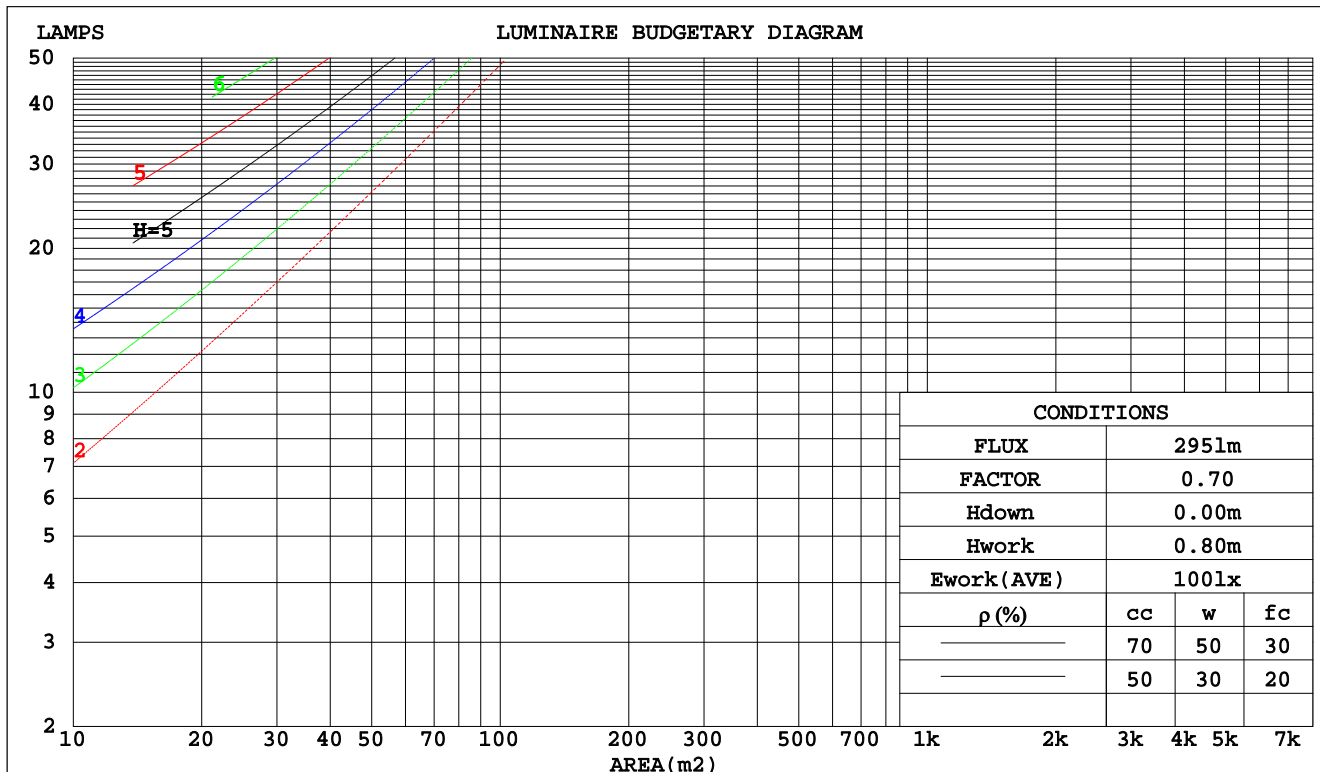
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*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	1.16	1.16	1.16	1.13	1.13	1.13	1.07	1.07	1.07	1.02	1.02	1.02	.98	.98	.98	.95
1.0	1.00	.96	.92	.98	.94	.90	.93	.90	.87	.89	.86	.84	.85	.83	.81	.79
2.0	.87	.80	.74	.85	.78	.73	.81	.76	.71	.77	.73	.69	.74	.70	.67	.65
3.0	.76	.68	.61	.74	.67	.60	.71	.64	.59	.68	.62	.58	.65	.61	.57	.54
4.0	.67	.58	.52	.66	.57	.51	.63	.56	.50	.60	.54	.49	.58	.53	.48	.46
5.0	.60	.51	.44	.59	.50	.44	.56	.49	.43	.54	.48	.43	.52	.46	.42	.40
6.0	.54	.45	.39	.53	.44	.38	.51	.43	.38	.49	.42	.37	.47	.41	.37	.35
7.0	.49	.40	.34	.48	.40	.34	.46	.39	.33	.45	.38	.33	.43	.37	.33	.31
8.0	.44	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.40	.34	.29	.27
9.0	.41	.33	.27	.40	.32	.27	.39	.32	.27	.38	.31	.27	.36	.31	.26	.24
10.0	.38	.30	.25	.37	.30	.25	.36	.29	.24	.35	.29	.24	.34	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*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	.317	.181	.057	.310	.177	.056	.296	.170	.054	.283	.163	.052	.270	.157	.051		
2.0	.294	.161	.049	.287	.158	.049	.275	.153	.047	.263	.148	.046	.252	.143	.045		
3.0	.270	.144	.043	.264	.141	.043	.253	.137	.042	.242	.133	.041	.233	.129	.040		
4.0	.248	.129	.038	.242	.127	.037	.232	.123	.037	.223	.120	.036	.214	.116	.035		
5.0	.228	.116	.034	.223	.115	.033	.214	.112	.033	.206	.109	.032	.198	.106	.032		
6.0	.211	.106	.030	.207	.104	.030	.199	.102	.030	.191	.099	.029	.184	.097	.029		
7.0	.196	.097	.027	.192	.096	.027	.185	.093	.027	.178	.091	.027	.172	.089	.026		
8.0	.183	.089	.025	.179	.088	.025	.173	.086	.025	.167	.084	.024	.161	.083	.024		
9.0	.171	.083	.023	.168	.082	.023	.162	.080	.023	.157	.078	.022	.151	.077	.022		
10.0	.161	.077	.021	.158	.076	.021	.152	.075	.021	.148	.073	.021	.143	.072	.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	.146	.165	.145	.126	.113	.099	.087	.065	.058	.051	.021	.019	.016	
2.0	.186	.145	.111	.159	.125	.096	.109	.086	.067	.063	.050	.039	.020	.016	.013	
3.0	.178	.128	.088	.153	.110	.076	.105	.077	.054	.061	.045	.032	.019	.015	.010	
4.0	.171	.115	.073	.146	.100	.063	.101	.069	.045	.058	.041	.026	.019	.013	.009	
5.0	.163	.105	.062	.140	.091	.054	.097	.064	.038	.056	.037	.023	.018	.012	.007	
6.0	.156	.097	.054	.134	.084	.047	.093	.059	.034	.054	.035	.020	.017	.011	.007	
7.0	.150	.090	.049	.129	.078	.043	.089	.055	.030	.052	.032	.018	.017	.011	.006	
8.0	.143	.085	.045	.123	.073	.039	.085	.052	.028	.050	.030	.016	.016	.010	.005	
9.0	.137	.080	.041	.118	.069	.036	.082	.049	.026	.048	.029	.015	.015	.009	.005	
10.0	.132	.076	.039	.113	.066	.034	.079	.046	.024	.046	.027	.014	.015	.009	.005	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M						TYPE: /					WEIGHT: 0.325kg/m				
DIM.: 11.5*21mm						SPEC.:					SERIAL No.:				
MFR.:						SUR.: 11.5*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	19.7	21.2	20.0	21.5	21.7
3H						21.5	22.9	21.9	23.2	23.5	21.4	22.8	21.7	23.1	23.4
4H						22.2	23.6	22.6	23.9	24.2	22.1	23.5	22.5	23.8	24.1
6H						22.8	24.0	23.1	24.3	24.7	22.7	24.0	23.1	24.3	24.6
8H						22.9	24.2	23.3	24.5	24.8	23.0	24.2	23.3	24.5	24.8
12H						23.0	24.2	23.4	24.5	24.9	23.1	24.3	23.5	24.6	25.0
4H 2H						20.5	21.8	20.9	22.1	22.4	20.4	21.7	20.7	22.0	22.3
3H						22.4	23.5	22.7	23.9	24.2	22.3	23.4	22.7	23.8	24.1
4H						23.2	24.3	23.6	24.6	25.0	23.1	24.2	23.6	24.6	25.0
6H						23.9	24.8	24.3	25.2	25.6	23.9	24.9	24.3	25.2	25.7
8H						24.1	25.0	24.5	25.4	25.8	24.2	25.1	24.6	25.5	25.9
12H						24.2	25.1	24.7	25.5	25.9	24.4	25.2	24.9	25.7	26.1
8H 4H						23.5	24.4	24.0	24.8	25.3	23.5	24.4	23.9	24.8	25.2
6H						24.4	25.1	24.8	25.6	26.0	24.4	25.2	24.9	25.6	26.1
8H						24.7	25.3	25.2	25.8	26.3	24.8	25.5	25.3	25.9	26.4
12H						24.9	25.5	25.4	26.0	26.5	25.1	25.7	25.7	26.2	26.7
12H 4H						23.6	24.4	24.0	24.8	25.3	23.5	24.3	24.0	24.7	25.2
6H						24.5	25.1	24.9	25.6	26.1	24.5	25.2	25.0	25.6	26.1
8H						24.8	25.4	25.3	25.9	26.4	24.9	25.5	25.5	26.0	26.5
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 / - 0.3					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 302.3 lm Total Lamp Luminous Flux. (8log(F/F0) = -4.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

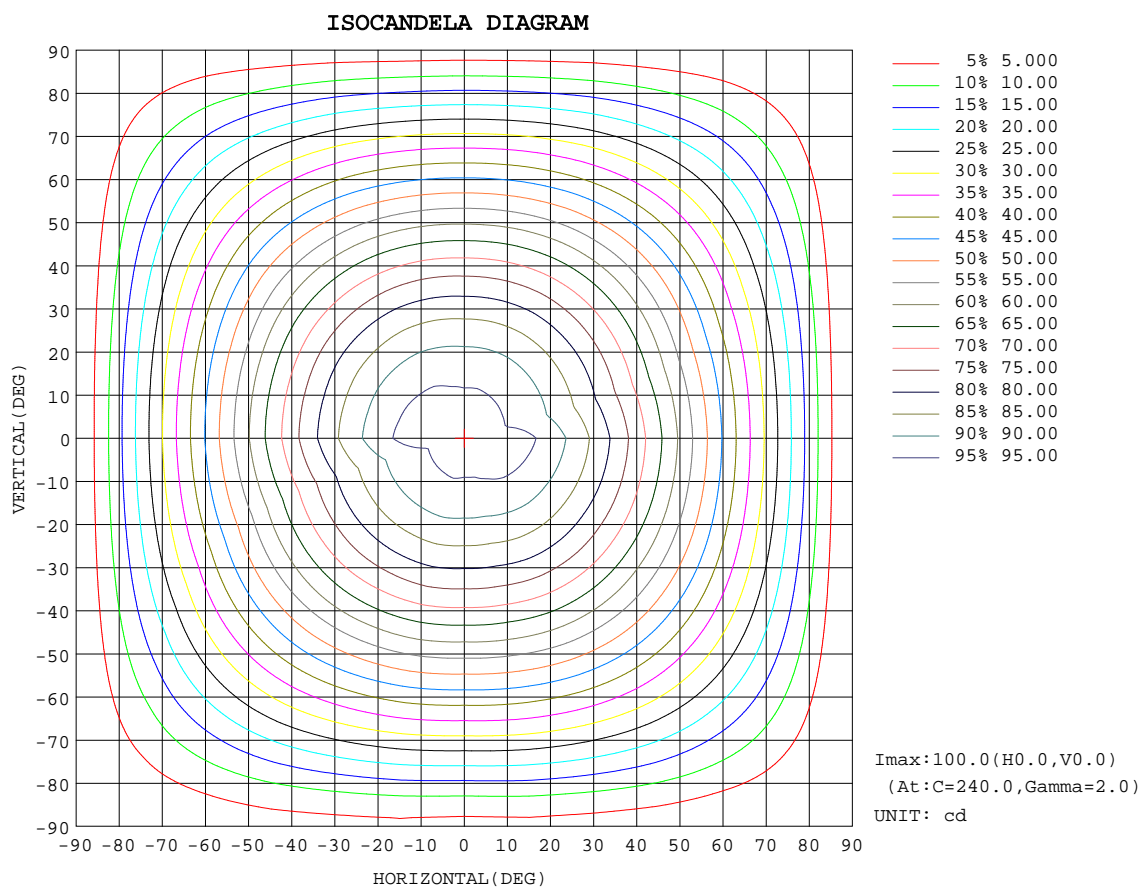
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	36	54	43	36	53	42	36	30
0.80	64	53	45	63	52	45	61	51	45	38
1.00	72	61	54	71	61	54	69	62	53	46
1.25	79	69	61	78	68	61	75	66	60	53
1.50	84	74	67	82	73	66	79	71	65	57
2.00	91	82	76	89	81	75	85	78	73	65
2.50	95	87	81	93	85	80	89	83	78	69
3.00	98	91	85	96	89	84	92	86	82	73
4.00	102	96	91	100	94	90	95	91	87	78
5.00	105	100	95	102	98	94	97	94	91	81
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: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

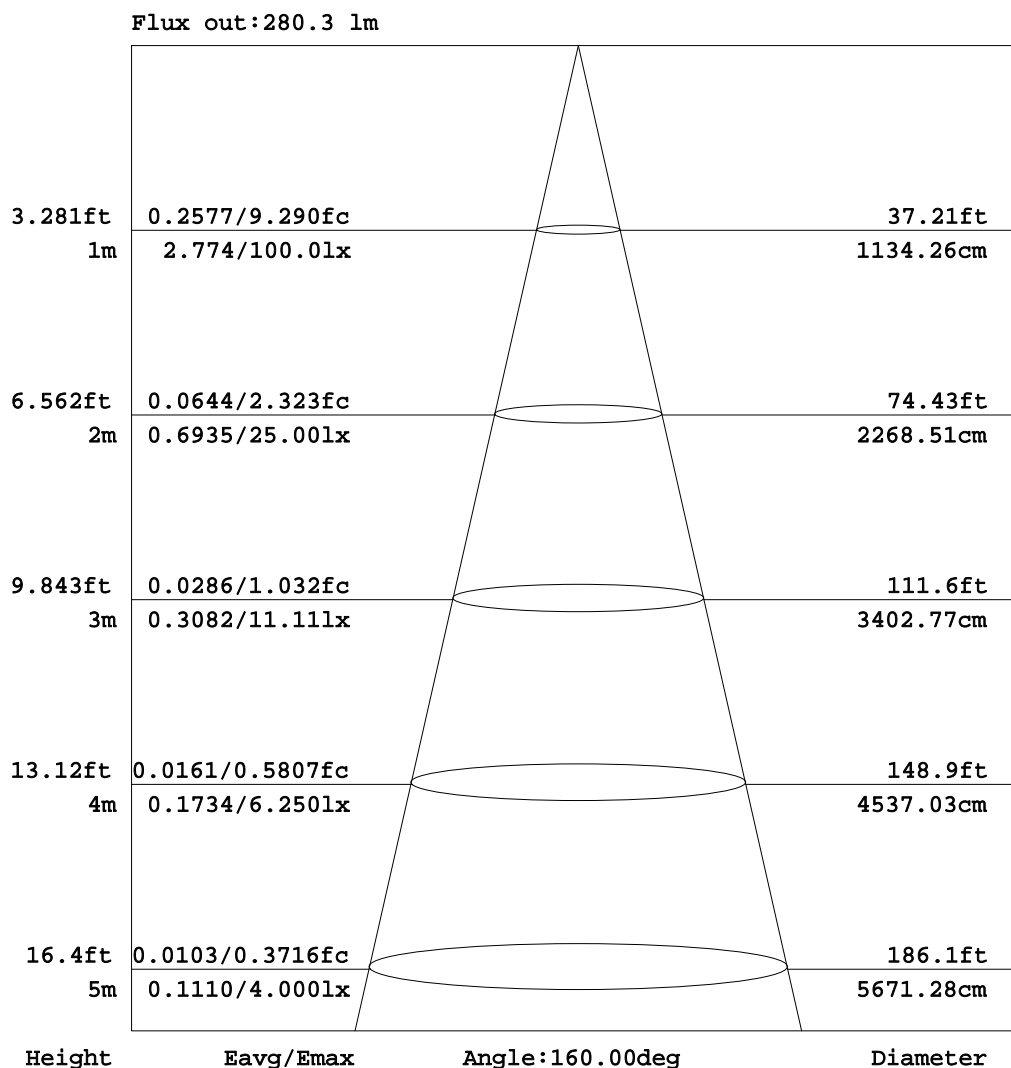


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /



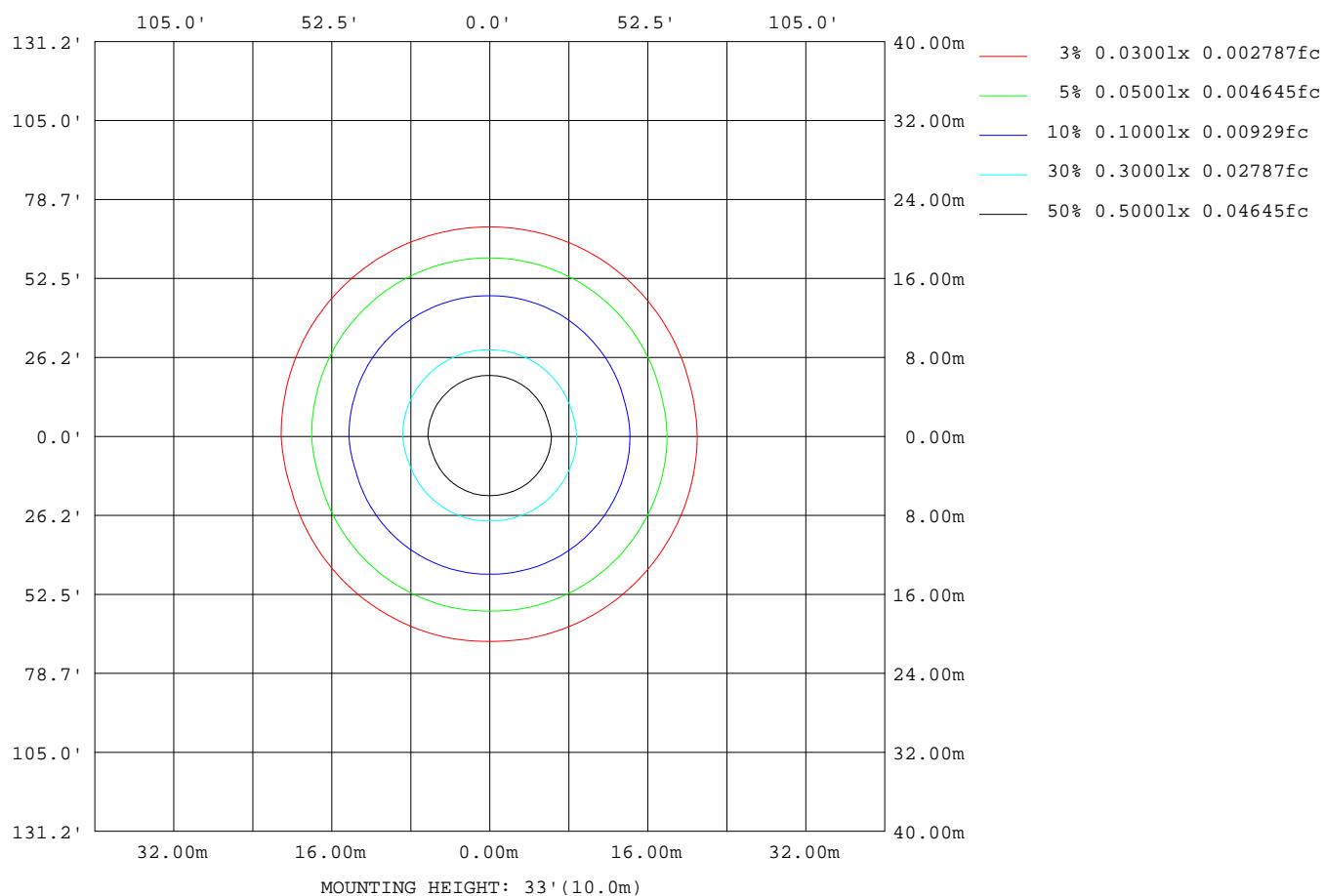
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*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	302.32	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0115	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	7699	7695	7680	7661	7659	7668	7675	7652	7611	7576	7607	7635	7644	7664	7679	7688	7695	7733	7796
60	7569	7575	7564	7547	7558	7573	7580	7569	7528	7483	7518	7547	7552	7574	7586	7587	7590	7620	7678
65	7432	7445	7442	7434	7457	7484	7502	7501	7458	7401	7443	7472	7470	7487	7492	7483	7472	7501	7571
70	7260	7287	7296	7300	7343	7389	7421	7436	7392	7321	7367	7398	7389	7400	7389	7356	7331	7352	7424
75	6991	7035	7068	7103	7194	7276	7328	7372	7324	7228	7296	7330	7296	7289	7249	7177	7117	7119	7202
80	6481	6593	6680	6771	6970	7127	7216	7331	7279	7120	7232	7266	7174	7151	7056	6892	6769	6726	6803
85	5168	5455	5749	6086	6600	7030	7322	7635	7613	7363	7563	7604	7387	7223	6906	6459	6100	5874	5908

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	7796	200	---	500
Category 2	65 to 90	7635	200	---	500
Category 3	75 to 90	7635	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: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*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	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6	97.6
5	97.3	97.3	97.3	97.2	97.1	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.2	97.3	97.3	97.4	97.5	97.5
10	95.9	95.8	95.7	95.6	95.4	95.4	95.4	95.5	95.5	95.5	95.6	95.7	95.8	95.9	96.0	96.1	96.4	96.4	96.3
15	94.2	94.1	93.9	93.8	93.6	93.5	93.5	93.6	93.6	93.7	93.8	93.9	94.1	94.2	94.4	94.6	95.0	95.0	94.8
20	90.6	90.5	90.3	90.1	89.9	89.7	89.7	89.8	89.9	90.0	90.2	90.3	90.6	90.7	91.0	91.2	91.7	91.8	91.6
25	87.5	87.4	87.1	87.0	86.9	86.5	86.5	86.7	86.7	86.9	87.1	87.2	87.5	87.8	88.1	88.3	88.8	89.0	88.7
30	82.0	81.9	81.6	81.5	81.5	81.0	80.9	81.1	81.2	81.4	81.6	81.8	82.2	82.5	82.9	83.1	83.7	83.8	83.5
35	77.9	77.7	77.4	77.3	77.3	76.8	76.6	76.9	77.0	77.2	77.4	77.6	78.1	78.4	78.9	79.1	79.6	79.8	79.5
40	70.9	70.8	70.5	70.4	70.3	69.9	69.7	70.0	70.1	70.4	70.5	70.8	71.2	71.6	72.1	72.4	72.9	73.0	72.7
45	65.9	65.7	65.5	65.3	65.4	65.0	64.7	65.0	65.1	65.3	65.6	65.7	66.2	66.7	67.2	67.5	67.9	68.1	67.8
50	57.8	57.7	57.5	57.4	57.5	57.1	56.8	57.1	57.3	57.5	57.6	57.8	58.3	58.8	59.4	59.7	60.1	60.2	60.0
55	52.2	52.1	51.9	51.9	52.0	51.7	51.3	51.7	51.8	52.0	52.1	52.2	52.9	53.3	54.0	54.2	54.6	54.6	54.5
60	43.5	43.5	43.4	43.5	43.6	43.4	43.0	43.4	43.4	43.6	43.6	43.7	44.1	44.7	45.3	45.6	45.9	46.0	45.9
65	37.6	37.7	37.6	37.8	37.9	37.8	37.4	37.7	37.7	37.9	37.8	37.8	38.3	38.8	39.5	39.8	40.1	40.2	40.1
70	28.6	28.7	28.7	29.0	29.2	29.2	28.8	29.1	29.1	29.1	28.9	28.8	29.2	29.8	30.5	30.8	31.2	31.2	31.2
75	22.4	22.5	22.7	23.0	23.3	23.4	23.0	23.3	23.2	23.2	22.9	22.7	23.0	23.7	24.4	24.7	25.1	25.1	25.2
80	12.9	13.3	13.5	14.1	14.4	14.7	14.2	14.6	14.3	14.2	13.8	13.4	13.6	14.4	15.1	15.5	15.9	16.0	16.1
85	6.72	7.09	7.51	8.24	8.66	9.01	8.65	8.93	8.69	8.43	7.84	7.39	7.35	8.32	9.00	9.38	9.81	9.93	10.1
90	0.01	0.73	1.90	2.98	3.89	4.44	4.34	4.59	4.35	3.86	3.13	2.31	1.64	2.00	2.09	2.18	2.31	2.31	2.40
95	0.00	0.56	1.62	2.61	3.46	3.99	3.87	4.13	3.93	3.52	2.88	2.14	1.59	1.76	1.61	1.40	1.22	1.02	0.97
100	0.00	0.45	1.43	2.35	3.13	3.63	3.51	3.76	3.59	3.21	2.62	1.92	1.50	1.57	1.41	1.12	0.84	0.58	0.49
105	0.00	0.38	1.32	2.20	2.94	3.42	3.31	3.54	3.35	2.98	2.46	1.79	1.45	1.47	1.32	1.01	0.70	0.44	0.35
110	0.00	0.26	1.17	1.98	2.67	3.12	3.01	3.23	3.00	2.67	2.10	1.50	1.33	1.34	1.19	0.88	0.56	0.30	0.22
115	0.00	0.02	1.07	1.84	2.48	2.90	2.81	3.02	2.72	2.32	1.86	1.20	1.27	1.25	1.11	0.80	0.50	0.23	0.16
120	0.00	0.00	0.92	1.62	2.21	2.59	2.50	2.69	2.26	1.91	1.54	1.04	1.16	1.12	0.9983	0.70	0.39	0.16	0.10
125	0.00	0.00	0.77	1.48	2.03	2.36	2.30	2.47	1.94	1.67	1.32	0.97	1.09	1.05	0.92	0.65	0.35	0.14	0.08
130	0.04	0.04	0.30	1.24	1.74	2.04	1.98	2.01	1.54	1.34	0.90	0.88	0.97	0.92	0.81	0.57	0.30	0.08	0.06
135	0.06	0.07	0.11	1.03	1.54	1.82	1.76	1.63	1.29	1.11	0.69	0.81	0.89	0.85	0.73	0.52	0.27	0.07	0.06
140	0.09	0.10	0.12	0.42	1.17	1.44	1.41	1.16	0.93	0.66	0.59	0.71	0.77	0.72	0.63	0.44	0.24	0.07	0.06
145	0.11	0.12	0.14	0.18	0.76	1.13	1.12	0.84	0.64	0.43	0.54	0.65	0.70	0.65	0.55	0.39	0.22	0.07	0.07
150	0.14	0.15	0.17	0.19	0.22	0.28	0.31	0.25	0.25	0.37	0.47	0.55	0.58	0.54	0.46	0.33	0.19	0.10	0.09
155	0.17	0.18	0.20	0.21	0.23	0.19	0.15	0.16	0.23	0.35	0.41	0.48	0.51	0.47	0.41	0.30	0.18	0.12	0.11
160	0.20	0.21	0.22	0.23	0.25	0.21	0.18	0.18	0.22	0.31	0.35	0.39	0.41	0.38	0.34	0.26	0.18	0.15	0.15
165	0.22	0.23	0.25	0.26	0.26	0.21	0.20	0.19	0.23	0.28	0.30	0.34	0.35	0.33	0.30	0.24	0.19	0.17	0.18
170	0.26	0.28	0.27	0.28	0.26	0.23	0.23	0.23	0.23	0.25	0.26	0.27	0.29	0.27	0.27	0.22	0.22	0.21	0.20
175	0.28	0.28	0.28	0.26	0.24	0.26	0.24	0.24	0.23	0.27	0.26	0.26	0.27	0.26	0.27	0.25	0.25	0.24	0.22
180	0.29	0.29	0.29	0.29	0.27	0.27	0.26	0.25	0.25	0.28	0.28	0.29	0.30	0.28	0.29	0.27	0.27	0.27	0.24

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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-F15B-HB-D24CC-W3000-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	97.6	97.6	97.6	97.6	97.6														
5	97.5	97.5	97.5	97.4	97.4														
10	96.3	96.2	96.2	96.1	96.1														
15	94.8	94.8	94.7	94.6	94.4														
20	91.5	91.5	91.3	91.1	90.9														
25	88.6	88.6	88.4	88.2	87.9														
30	83.4	83.4	83.2	82.9	82.6														
35	79.4	79.4	79.1	78.9	78.4														
40	72.7	72.7	72.4	72.0	71.6														
45	67.8	67.7	67.4	67.0	66.6														
50	59.9	59.9	59.6	59.1	58.6														
55	54.4	54.4	54.0	53.6	53.0														
60	45.9	45.8	45.4	44.9	44.3														
65	40.0	40.0	39.6	39.1	38.4														
70	31.2	31.1	30.6	30.1	29.4														
75	25.1	25.0	24.5	24.0	23.2														
80	16.1	15.9	15.3	14.7	13.9														
85	10.0	9.84	9.25	8.58	7.72														
90	2.35	2.11	1.57	0.96	0.32														
95	0.91	0.73	0.43	0.12	0.00														
100	0.46	0.35	0.18	0.00	0.00														
105	0.33	0.24	0.10	0.00	0.00														
110	0.20	0.14	0.05	0.00	0.00														
115	0.14	0.11	0.03	0.00	0.00														
120	0.10	0.07	0.03	0.00	0.00														
125	0.07	0.07	0.02	0.00	0.00														
130	0.07	0.07	0.05	0.02	0.02														
135	0.06	0.08	0.07	0.04	0.04														
140	0.07	0.10	0.08	0.07	0.08														
145	0.08	0.11	0.10	0.10	0.10														
150	0.10	0.13	0.13	0.13	0.13														
155	0.11	0.15	0.15	0.15	0.16														
160	0.15	0.18	0.19	0.18	0.19														
165	0.18	0.19	0.22	0.20	0.22														
170	0.20	0.22	0.25	0.24	0.24														
175	0.23	0.23	0.26	0.26	0.27														
180	0.24	0.25	0.28	0.27	0.28														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators:
Test Date: 2018-06-26

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: