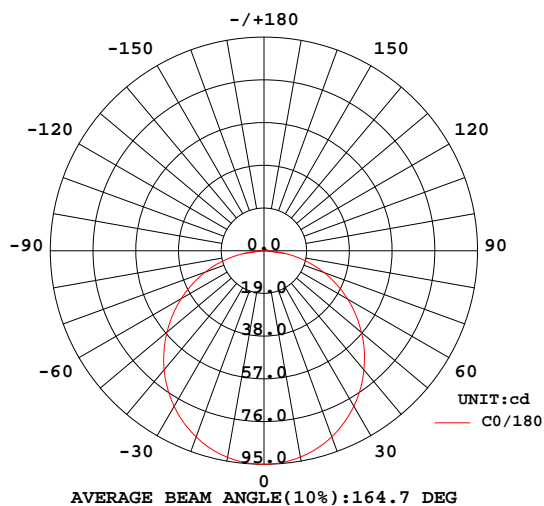


LUMINAIRE PHOTOMETRIC TEST REPORT

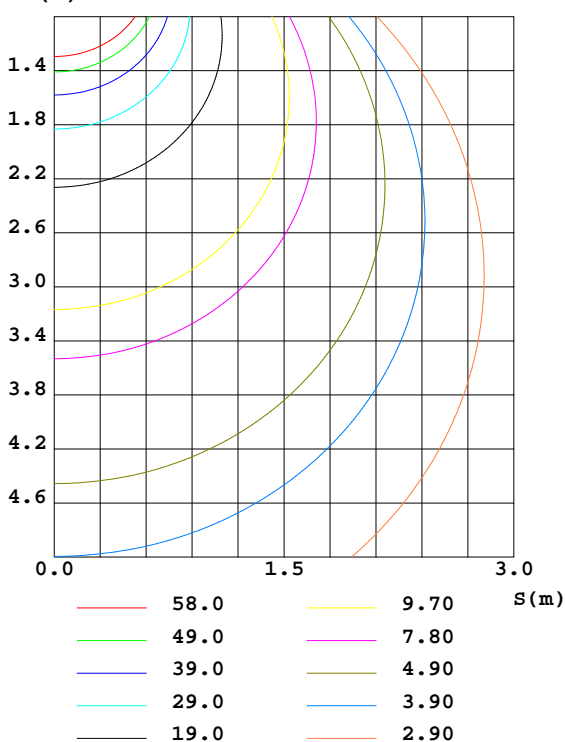
NAME: C-SFR-F15B-HB-D24CC-W2700-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 25.60 lm/W
MODEL	2835	I _{max} (cd)	95.03	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)	287.99	η UP,DN(C0-180)	1.6,46.9	
NOMINAL FLUX(lm)	295.15	CIE CLASS	DIRECT	η UP,DN(C180-360)	0.6,48.5	
LAMPS INSIDE	1	η up(%)	2.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	95.4	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: 2018-06-26

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	%lum, lamp
10	93.35	93.08	92.86	92.95	93.19	93.55	93.74	93.67	0- 10	8.987	8.987	3.12,3.04
20	88.22	87.81	87.30	87.59	88.08	88.80	89.12	88.96	10- 20	25.73	34.72	12.1,11.8
30	79.96	79.41	78.75	79.15	79.88	80.94	81.29	81.04	20- 30	38.95	73.68	25.6,25
40	69.12	68.60	67.84	68.35	69.16	70.53	70.81	70.51	30- 40	46.95	120.6	41.9,40.9
50	56.36	56.00	55.33	55.76	56.64	58.22	58.43	58.10	40- 50	48.88	169.5	58.9,57.4
60	42.47	42.45	41.95	42.28	42.92	44.63	44.77	44.35	50- 60	44.89	214.4	74.4,72.6
70	27.92	28.36	28.11	28.22	28.48	30.39	30.59	30.03	60- 70	35.86	250.3	86.9,84.8
80	12.80	13.86	14.02	13.87	13.42	15.59	16.02	15.21	70- 80	22.96	273.2	94.9,92.6
90	0.0067	2.974	4.317	3.762	1.702	2.554	2.600	1.684	80- 90	8.320	281.5	97.8,95.4
100	0	2.361	3.506	3.127	1.597	1.428	0.5904	0.2156	90-100	2.080	283.6	98.5,96.1
110	0	1.992	3.003	2.613	1.423	1.134	0.2677	0.0577	100-110	1.556	285.2	99,96.6
120	0	1.627	2.504	1.852	1.238	0.8926	0.1151	0.0101	110-120	1.150	286.3	99.4,97
130	0.0048	1.227	1.971	1.259	1.047	0.6929	0.0526	0.0200	120-130	0.7930	287.1	99.7,97.3
140	0.0630	0.3565	1.390	0.5175	0.8383	0.4686	0.0501	0.0501	130-140	0.4769	287.6	99.9,97.4
150	0.1139	0.1775	0.2595	0.2379	0.5790	0.2984	0.0726	0.1026	140-150	0.2226	287.8	99.9,97.5
160	0.1672	0.2145	0.1577	0.1828	0.3270	0.1677	0.1277	0.1552	150-160	0.0938	287.9	100,97.5
170	0.2302	0.2514	0.1953	0.2054	0.2158	0.1972	0.1853	0.2053	160-170	0.0551	288.0	100,97.6
180	0.2618	0.2712	0.2253	0.2404	0.2642	0.2514	0.2228	0.2479	170-180	0.0213	288.0	100,97.6
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

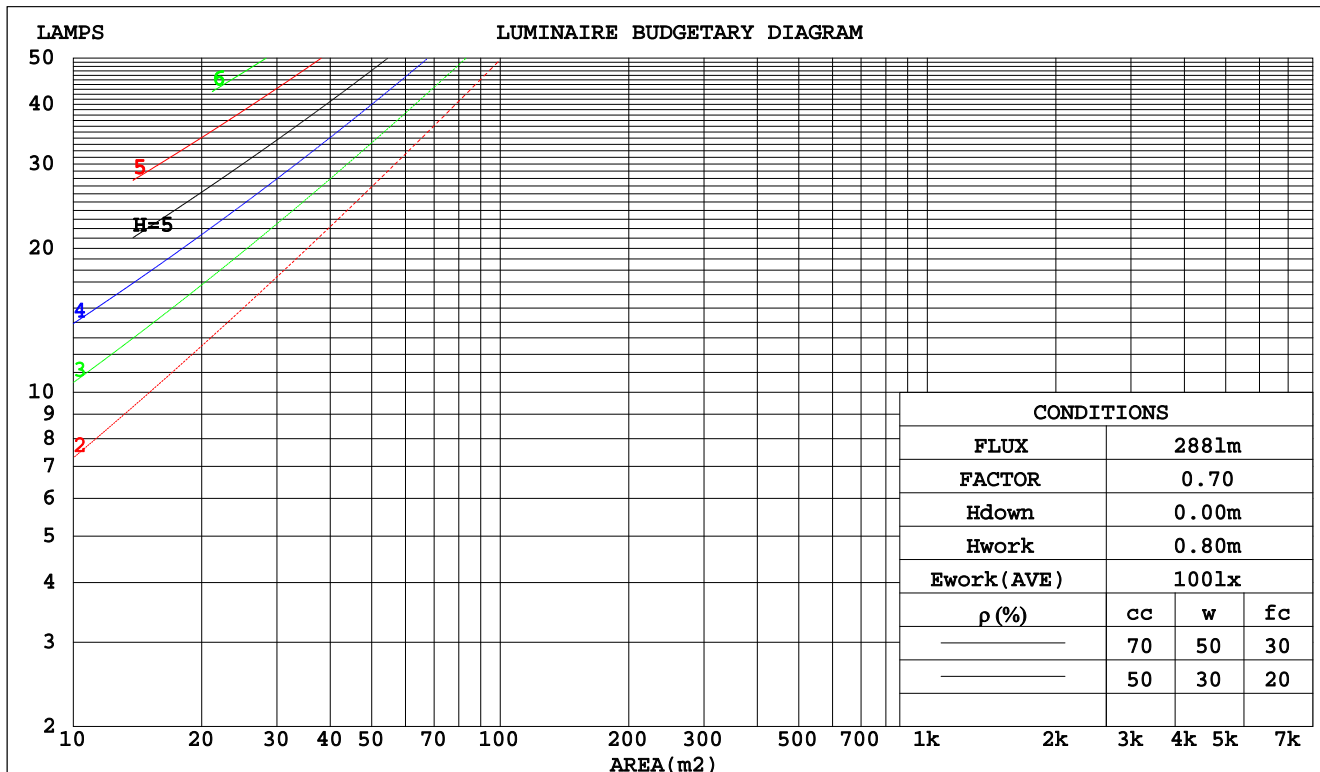
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:
Test Date:2018-06-26

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-W2700-72-2835-1M	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	.00	.96	.92	.98	.94	.90	.93	.90	.87	.89	.86	.84	.85	.83	.81	.78
2.0	.87	.80	.74	.85	.78	.73	.81	.75	.71	.77	.73	.69	.74	.70	.67	.65
3.0	.76	.68	.61	.74	.67	.60	.71	.64	.59	.68	.62	.58	.65	.60	.56	.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	.44	.38	.33	.43	.37	.33	.31
8.0	.44	.36	.30	.44	.36	.30	.42	.35	.30	.41	.34	.29	.39	.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	.24	.36	.29	.24	.35	.28	.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-W2700-72-2835-1M	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	
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	.318	.181	.057	.311	.177	.056	.296	.170	.054	.283	.163	.052	.271	.157	.051		
2.0	.294	.161	.050	.288	.158	.049	.275	.153	.048	.263	.148	.046	.253	.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	.038	.232	.123	.037	.223	.120	.036	.214	.117	.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	.094	.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	.147	.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	.203	.203	.203	.173	.173	.173	.118	.118	.118	.068	.068	.068	.022	.022	.022	
1.0	.194	.169	.147	.166	.145	.126	.113	.100	.087	.065	.058	.051	.021	.019	.016	
2.0	.186	.146	.111	.160	.125	.096	.109	.087	.067	.063	.050	.039	.020	.016	.013	
3.0	.179	.129	.089	.153	.111	.077	.105	.077	.054	.061	.045	.032	.020	.015	.010	
4.0	.171	.116	.073	.147	.100	.064	.101	.070	.045	.058	.041	.027	.019	.013	.009	
5.0	.164	.106	.063	.141	.091	.054	.097	.064	.038	.056	.037	.023	.018	.012	.008	
6.0	.157	.098	.055	.135	.084	.048	.093	.059	.034	.054	.035	.020	.017	.011	.007	
7.0	.150	.091	.049	.129	.079	.043	.089	.055	.030	.052	.033	.018	.017	.011	.006	
8.0	.144	.085	.045	.124	.074	.039	.086	.052	.028	.050	.031	.017	.016	.010	.005	
9.0	.138	.080	.042	.119	.070	.036	.082	.049	.026	.048	.029	.015	.016	.010	.005	
10.0	.132	.076	.039	.114	.066	.034	.079	.047	.024	.046	.028	.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-W2700-72-2835-1M						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						19.8	21.3	20.1	21.5	21.8	19.6	21.1	19.9	21.4	21.6
3H						21.5	22.9	21.8	23.1	23.4	21.3	22.7	21.6	23.0	23.3
4H						22.2	23.5	22.5	23.8	24.1	22.0	23.4	22.4	23.7	24.0
6H						22.7	24.0	23.1	24.3	24.6	22.7	23.9	23.0	24.2	24.6
8H						22.9	24.1	23.3	24.4	24.8	22.9	24.1	23.3	24.4	24.8
12H						23.0	24.1	23.4	24.5	24.8	23.0	24.2	23.4	24.6	24.9
4H 2H						20.4	21.7	20.8	22.0	22.3	20.3	21.6	20.6	21.9	22.2
3H						22.3	23.4	22.7	23.8	24.1	22.2	23.3	22.6	23.7	24.0
4H						23.1	24.2	23.5	24.6	24.9	23.1	24.1	23.5	24.5	24.9
6H						23.8	24.8	24.2	25.2	25.6	23.8	24.8	24.3	25.2	25.6
8H						24.0	24.9	24.5	25.3	25.8	24.1	25.0	24.6	25.4	25.9
12H						24.2	25.0	24.6	25.4	25.9	24.3	25.2	24.8	25.6	26.0
8H 4H						23.4	24.3	23.9	24.7	25.2	23.4	24.3	23.8	24.7	25.1
6H						24.3	25.0	24.8	25.5	26.0	24.3	25.1	24.8	25.5	26.0
8H						24.6	25.3	25.1	25.8	26.3	24.7	25.4	25.2	25.9	26.4
12H						24.9	25.4	25.4	25.9	26.4	25.1	25.7	25.6	26.1	26.7
12H 4H						23.5	24.3	23.9	24.7	25.2	23.4	24.2	23.9	24.7	25.1
6H						24.4	25.1	24.9	25.5	26.0	24.4	25.1	24.9	25.6	26.1
8H						24.8	25.3	25.3	25.8	26.4	24.9	25.5	25.4	25.9	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 295.1 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-W2700-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

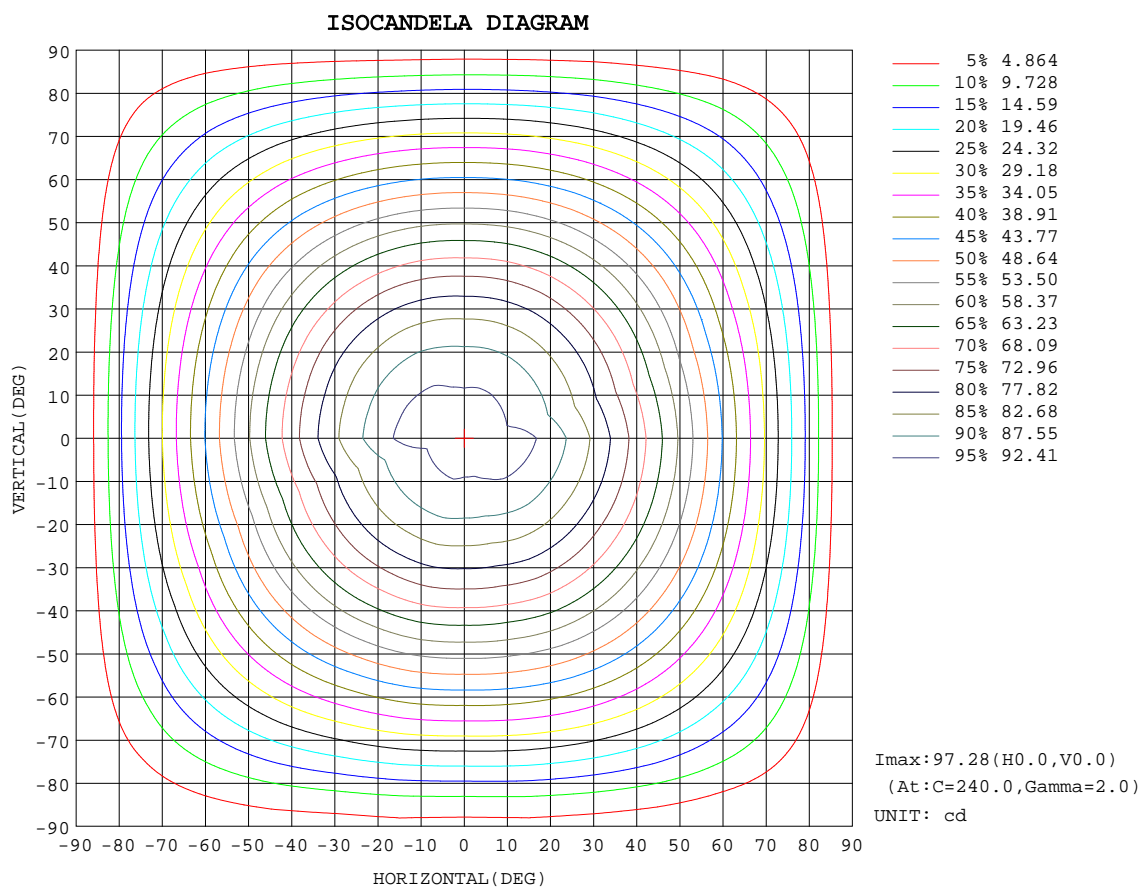
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	43	36	54	43	36	53	42	36	30
0.80	64	53	45	63	52	45	61	51	45	38
1.00	72	61	54	71	60	53	69	62	53	46
1.25	79	69	61	78	68	61	75	66	60	52
1.50	84	74	67	82	73	66	79	71	65	57
2.00	91	82	75	89	81	75	85	78	73	65
2.50	95	87	81	93	85	80	89	82	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	90	81
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR _{NOM} = 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-W2700-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /

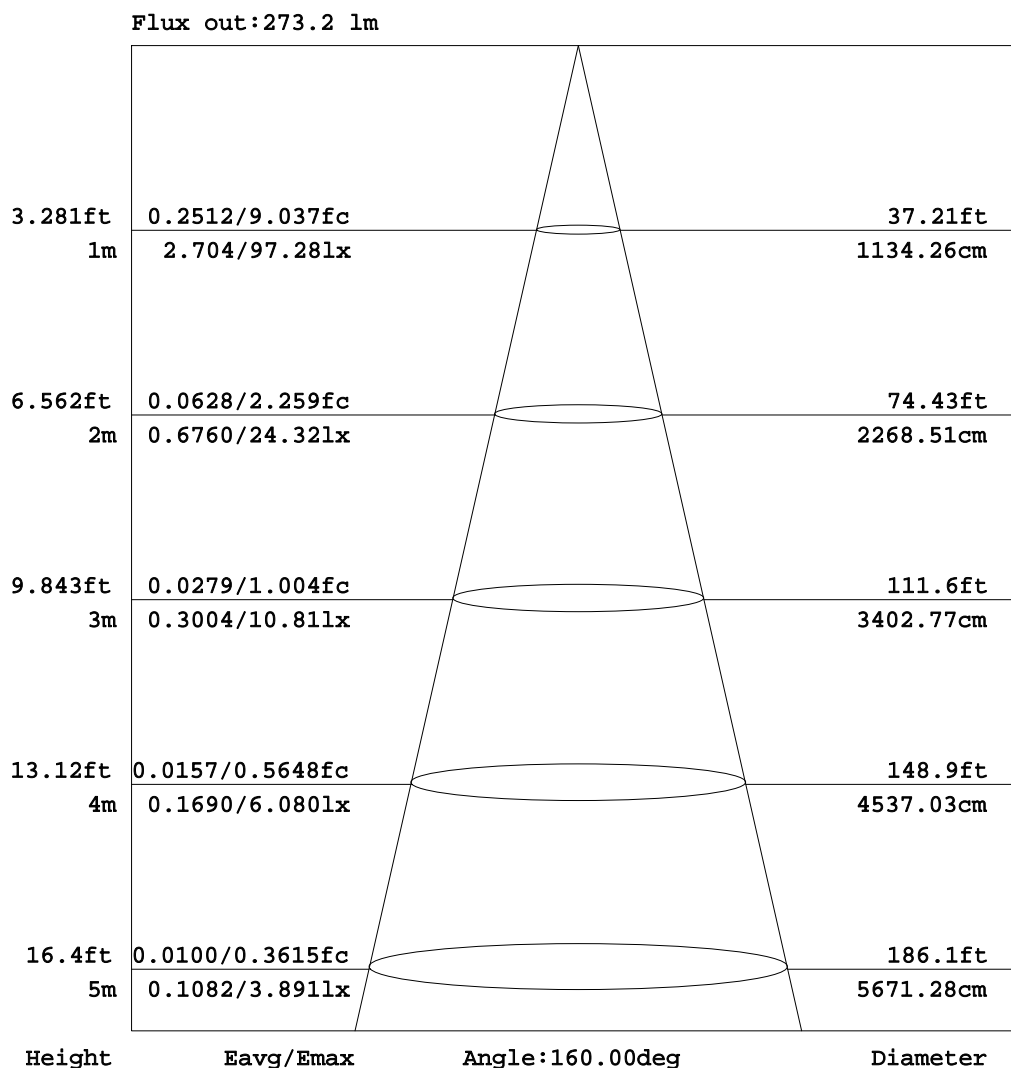


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators:
 Test Date: 2018-06-26

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-W2700-72-2835-1M	TYPE: /	WEIGHT: 0.325kg/m
DIM.: 11.5*21mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 11.5*1000mm	PROTECTION ANGLE: /



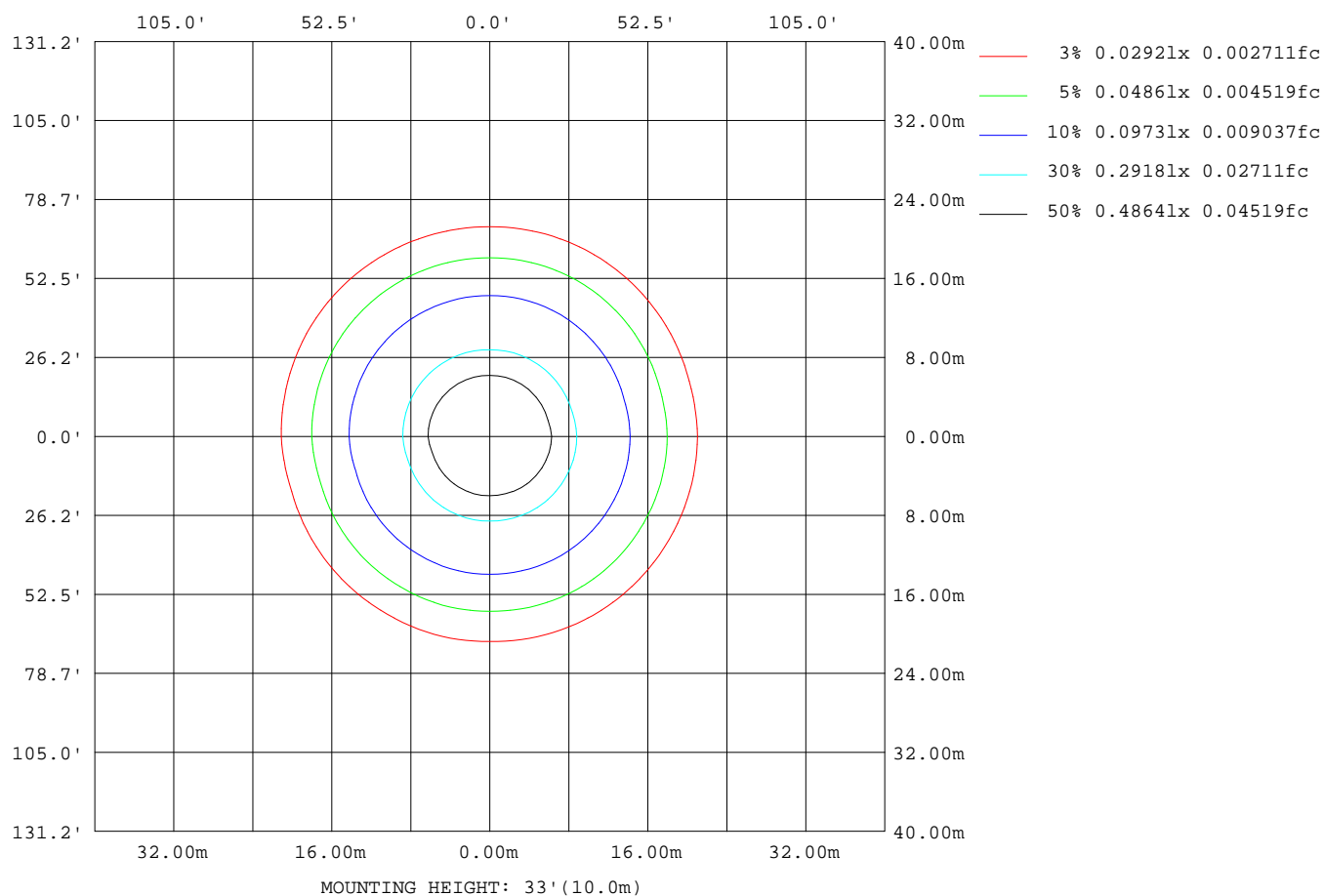
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W2700-72-2835-1M	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-W2700-72-2835-1M	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	295.15	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 deg	C plane(deg)																		
	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	7508	7508	7493	7473	7473	7483	7490	7463	7421	7384	7401	7407	7398	7427	7456	7475	7480	7512	7571
60	7386	7392	7381	7364	7374	7393	7405	7387	7342	7296	7315	7317	7299	7333	7363	7375	7376	7404	7464
65	7256	7269	7264	7256	7278	7309	7330	7322	7276	7220	7241	7239	7213	7247	7274	7279	7270	7296	7366
70	7099	7118	7127	7136	7183	7232	7265	7273	7223	7147	7178	7174	7128	7156	7178	7172	7149	7166	7241
75	6857	6899	6927	6957	7047	7133	7192	7225	7175	7082	7114	7096	7023	7054	7063	7025	6971	6972	7057
80	6410	6505	6585	6673	6852	7007	7109	7201	7156	7023	7065	7028	6904	6931	6909	6806	6689	6640	6722
85	5167	5445	5739	6077	6563	6988	7295	7560	7534	7307	7412	7315	7005	6970	6816	6484	6145	5908	5949

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	7571	200	---	500
Category 2	65 to 90	7560	200	---	500
Category 3	75 to 90	7560	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-W2700-72-2835-1M	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	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0	95.0
5	94.7	94.7	94.6	94.6	94.5	94.5	94.6	94.6	94.6	94.6	94.6	94.6	94.6	94.7	94.7	94.8	94.9	94.9	94.9
10	93.3	93.3	93.2	93.1	92.9	92.8	92.9	92.9	92.9	93.0	93.0	93.1	93.2	93.3	93.4	93.5	93.9	93.9	93.7
15	91.7	91.6	91.5	91.4	91.1	91.0	91.0	91.1	91.1	91.2	91.3	91.4	91.6	91.7	91.9	92.1	92.6	92.5	92.3
20	88.2	88.1	87.9	87.8	87.6	87.3	87.3	87.4	87.4	87.6	87.7	87.8	88.1	88.2	88.6	88.8	89.4	89.4	89.1
25	85.2	85.1	84.9	84.8	84.6	84.2	84.2	84.3	84.3	84.5	84.7	84.8	85.1	85.4	85.8	86.0	86.6	86.7	86.3
30	80.0	79.8	79.5	79.4	79.4	78.9	78.7	78.9	78.9	79.2	79.3	79.5	79.9	80.2	80.7	80.9	81.5	81.7	81.3
35	75.9	75.8	75.4	75.3	75.4	74.8	74.6	74.8	74.8	75.1	75.3	75.5	75.9	76.2	76.8	77.0	77.6	77.8	77.4
40	69.1	69.0	68.7	68.6	68.6	68.1	67.8	68.1	68.0	68.3	68.5	68.8	69.2	69.6	70.2	70.5	71.0	71.2	70.8
45	64.2	64.1	63.8	63.7	63.8	63.3	63.0	63.2	63.2	63.5	63.7	63.9	64.3	64.8	65.4	65.8	66.2	66.4	66.0
50	56.4	56.3	56.1	56.0	56.1	55.7	55.3	55.5	55.5	55.8	56.0	56.1	56.6	57.2	57.9	58.2	58.5	58.7	58.4
55	50.9	50.9	50.7	50.7	50.8	50.4	50.0	50.2	50.1	50.4	50.7	50.7	51.3	51.9	52.6	52.9	53.2	53.3	53.1
60	42.5	42.5	42.3	42.5	42.6	42.4	41.9	42.1	42.0	42.3	42.4	42.5	42.9	43.6	44.3	44.6	44.8	44.9	44.8
65	36.7	36.8	36.7	36.9	37.0	36.9	36.5	36.6	36.4	36.7	36.8	36.8	37.2	37.9	38.7	39.0	39.2	39.3	39.1
70	27.9	28.0	28.1	28.4	28.6	28.6	28.1	28.3	28.0	28.2	28.2	28.1	28.5	29.3	30.0	30.4	30.5	30.6	30.6
75	21.9	22.1	22.2	22.6	22.8	22.9	22.5	22.7	22.3	22.5	22.4	22.2	22.5	23.3	24.1	24.5	24.7	24.8	24.8
80	12.8	13.1	13.3	13.9	14.2	14.4	14.0	14.1	13.8	13.9	13.6	13.3	13.4	14.4	15.2	15.6	15.8	15.9	16.0
85	6.70	7.05	7.50	8.15	8.63	8.89	8.55	8.69	8.28	8.23	7.83	7.40	7.38	8.50	9.24	9.73	9.91	10.0	10.2
90	0.01	0.73	1.88	2.97	3.88	4.39	4.32	4.43	4.02	3.76	3.20	2.38	1.70	2.22	2.39	2.55	2.48	2.51	2.60
95	0.00	0.55	1.61	2.61	3.45	3.93	3.85	3.98	3.62	3.42	2.96	2.22	1.68	2.02	1.91	1.75	1.34	1.16	1.11
100	0.00	0.44	1.42	2.36	3.13	3.58	3.51	3.62	3.32	3.13	2.71	2.02	1.60	1.85	1.68	1.43	0.92	0.67	0.59
105	0.00	0.38	1.32	2.20	2.94	3.39	3.31	3.42	3.10	2.92	2.54	1.89	1.53	1.72	1.57	1.29	0.77	0.50	0.43
110	0.00	0.24	1.16	1.99	2.67	3.07	3.00	3.10	2.76	2.61	2.18	1.57	1.42	1.54	1.41	1.13	0.59	0.33	0.27
115	0.00	0.00	1.07	1.84	2.49	2.86	2.80	2.89	2.49	2.27	1.93	1.26	1.35	1.43	1.31	1.03	0.51	0.26	0.19
120	0.00	0.00	0.90	1.63	2.21	2.53	2.50	2.55	2.05	1.85	1.60	1.12	1.24	1.29	1.17	0.89	0.39	0.17	0.12
125	0.00	0.00	0.73	1.48	2.03	2.32	2.29	2.34	1.72	1.60	1.37	1.06	1.16	1.19	1.08	0.81	0.32	0.13	0.08
130	0.00	0.02	0.22	1.23	1.73	1.99	1.97	1.89	1.34	1.26	0.93	0.96	1.05	1.04	0.93	0.69	0.26	0.07	0.05
135	0.03	0.06	0.07	0.9953	1.53	1.75	1.75	1.51	1.10	1.01	0.72	0.90	0.96	0.95	0.83	0.61	0.23	0.05	0.04
140	0.06	0.09	0.10	0.36	1.12	1.38	1.39	1.04	0.74	0.52	0.63	0.78	0.84	0.82	0.70	0.47	0.18	0.05	0.05
145	0.08	0.10	0.13	0.15	0.66	1.03	1.09	0.72	0.44	0.31	0.54	0.68	0.74	0.72	0.61	0.39	0.14	0.06	0.07
150	0.11	0.14	0.15	0.18	0.19	0.19	0.26	0.15	0.12	0.24	0.44	0.55	0.58	0.56	0.46	0.30	0.12	0.07	0.07
155	0.14	0.15	0.17	0.19	0.20	0.14	0.12	0.12	0.13	0.22	0.35	0.46	0.48	0.45	0.38	0.23	0.12	0.09	0.09
160	0.17	0.19	0.20	0.21	0.22	0.15	0.16	0.15	0.15	0.18	0.25	0.32	0.33	0.31	0.26	0.17	0.15	0.12	0.13
165	0.19	0.21	0.22	0.23	0.23	0.17	0.18	0.17	0.18	0.18	0.20	0.24	0.25	0.23	0.20	0.17	0.18	0.14	0.15
170	0.23	0.24	0.25	0.25	0.22	0.20	0.20	0.20	0.19	0.21	0.21	0.22	0.22	0.21	0.22	0.20	0.21	0.18	0.19
175	0.24	0.26	0.25	0.23	0.24	0.22	0.22	0.22	0.21	0.22	0.23	0.23	0.23	0.23	0.24	0.22	0.24	0.21	0.20
180	0.26	0.27	0.27	0.27	0.26	0.23	0.23	0.22	0.22	0.24	0.26	0.26	0.26	0.25	0.27	0.25	0.26	0.24	0.22

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:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F15B-HB-D24CC-W2700-72-2835-1M	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	95.0	95.0	95.0	95.0	95.0														
5	94.8	94.9	94.8	94.8	94.8														
10	93.7	93.7	93.7	93.6	93.5														
15	92.3	92.3	92.2	92.1	91.9														
20	89.1	89.1	89.0	88.8	88.5														
25	86.3	86.3	86.1	85.9	85.6														
30	81.3	81.3	81.0	80.8	80.5														
35	77.3	77.4	77.1	76.9	76.4														
40	70.8	70.8	70.5	70.2	69.8														
45	66.1	66.0	65.7	65.4	64.9														
50	58.5	58.4	58.1	57.7	57.2														
55	53.1	53.0	52.7	52.3	51.7														
60	44.8	44.8	44.3	43.9	43.3														
65	39.2	39.1	38.7	38.2	37.5														
70	30.6	30.4	30.0	29.5	28.7														
75	24.8	24.6	24.1	23.6	22.8														
80	16.0	15.8	15.2	14.6	13.7														
85	10.2	9.94	9.30	8.62	7.73														
90	2.55	2.27	1.68	1.04	0.34														
95	1.05	0.83	0.50	0.16	0.00														
100	0.56	0.42	0.22	0.00	0.00														
105	0.41	0.29	0.14	0.00	0.00														
110	0.27	0.16	0.06	0.00	0.00														
115	0.19	0.11	0.03	0.00	0.00														
120	0.12	0.07	0.01	0.00	0.00														
125	0.09	0.05	0.00	0.00	0.00														
130	0.07	0.05	0.02	0.00	0.00														
135	0.07	0.05	0.03	0.01	0.02														
140	0.07	0.06	0.05	0.05	0.05														
145	0.08	0.07	0.07	0.07	0.07														
150	0.09	0.09	0.10	0.10	0.10														
155	0.11	0.12	0.12	0.13	0.13														
160	0.14	0.14	0.16	0.15	0.15														
165	0.17	0.17	0.18	0.18	0.17														
170	0.19	0.19	0.21	0.21	0.20														
175	0.21	0.20	0.22	0.23	0.22														
180	0.24	0.22	0.25	0.25	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: