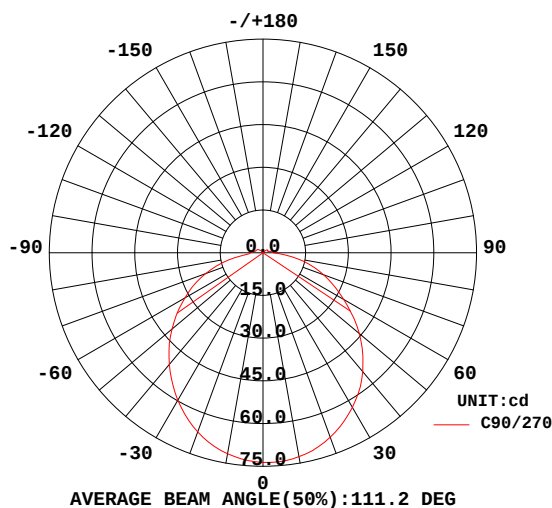


LUMINAIRE PHOTOMETRIC TEST REPORT

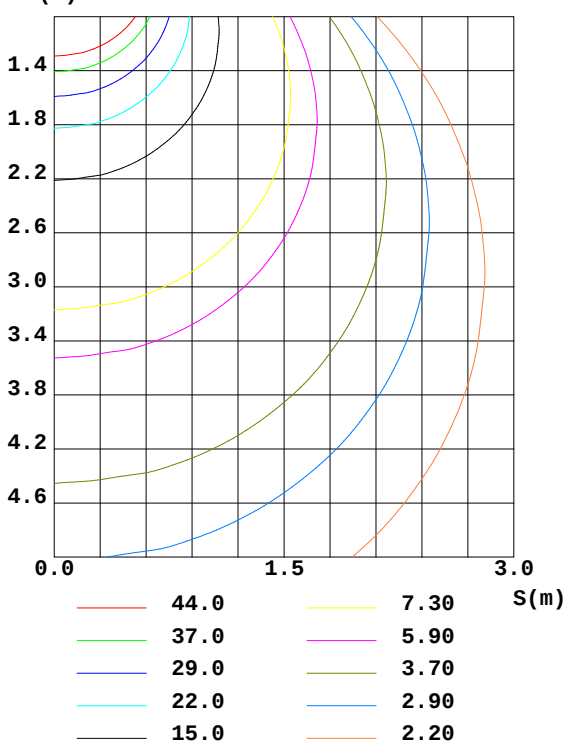
NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	WEIGHT:0.126kg/m	
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 52.02 lm/W
MODEL	3014	I _{max} (cd)	73.73	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	4.5	LOR(%)	100.6	S/MH(C90/270)	1.22	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	220.36	η UP, DN(C0-180)	1.4, 48.0	
NOMINAL FLUX(lm)	219.06	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.1, 50.1	
LAMPS INSIDE	1	η up(%)	2.5	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: shan
Test Date: 2018-08-15

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_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	72.58	71.89	71.69	71.66	72.17	73.14	72.73	72.74	0- 10	6.964	6.964	3.16, 3.18
20	68.74	67.95	66.97	67.07	67.72	69.57	68.96	69.09	10- 20	19.93	26.89	12.2, 12.3
30	62.43	61.70	59.84	59.85	61.09	63.07	62.74	62.76	20- 30	30.10	56.99	25.9, 26
40	53.76	53.05	51.19	50.70	52.70	54.65	54.46	54.49	30- 40	36.15	93.14	42.3, 42.5
50	44.02	43.01	41.68	41.24	42.95	44.70	44.15	44.56	40- 50	37.48	130.6	59.3, 59.6
60	33.18	32.30	31.60	31.58	32.37	33.63	32.69	33.52	50- 60	34.15	164.8	74.8, 75.2
70	21.95	20.90	21.45	20.25	21.23	22.42	22.71	22.37	60- 70	27.05	191.8	87.1, 87.6
80	10.33	9.607	10.14	8.858	9.439	11.12	12.43	11.33	70- 80	17.14	209.0	94.8, 95.4
90	0.0064	2.209	4.375	2.292	0.2061	2.086	3.667	2.033	80- 90	5.920	214.9	97.5, 98.1
100	0	1.719	2.972	1.778	0.2555	1.405	2.691	1.551	90-100	1.945	216.8	98.4, 99
110	0	1.274	2.573	1.273	0	1.034	1.737	1.108	100-110	1.328	218.2	99, 99.6
120	0	1.054	2.279	0.8696	0	0.8099	1.960	1.030	110-120	1.035	219.2	99.5, 100
130	0	0.6905	1.480	0.5613	0	0.2325	1.339	0.5312	120-130	0.7320	219.9	99.8, 100
140	0	0.2034	0.8991	0.1836	0	0.0440	0.4814	0.1246	130-140	0.3231	220.2	99.9, 101
150	0	0.0000	0.3650	0	0	0	0.1659	0	140-150	0.0974	220.3	100, 101
160	0.0000	0.0078	0.0000	0.0026	0.0026	0	0	0.0026	150-160	0.0071	220.4	100, 101
170	0.0260	0.0361	0.0208	0.0285	0.0287	0.0258	0.0157	0.0233	160-170	0.0038	220.4	100, 101
180	0.0443	0.0567	0.0443	0.0518	0.0496	0.0516	0.0495	0.0544	170-180	0.0035	220.4	100, 101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

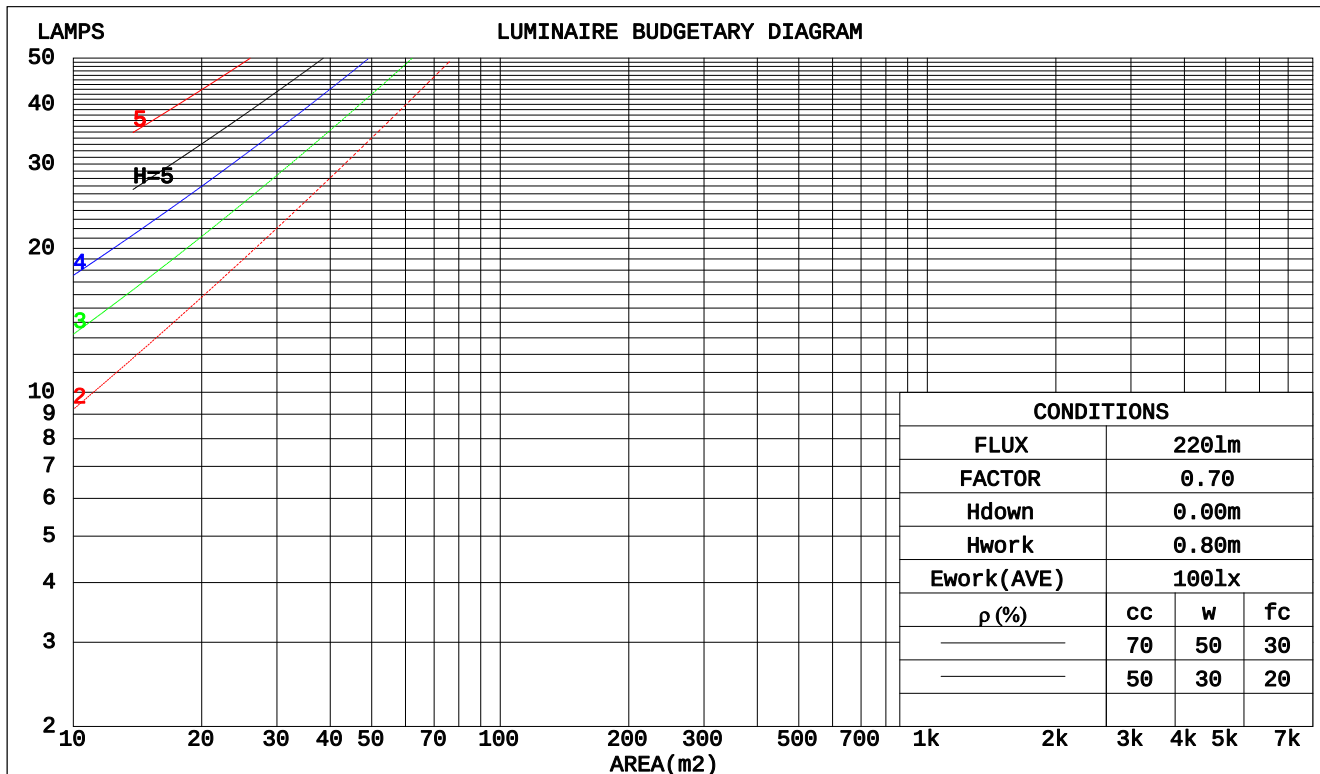
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

ρ_{cc}	80%			70%			50%			30%			10%			0
ρ_w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						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	.99	.95	1.01	.97	.93	.96	.93	.89	.92	.89	.86	.88	.85	.83	.81
2.0	.90	.82	.77	.87	.81	.75	.83	.78	.73	.80	.75	.71	.76	.73	.69	.67
3.0	.78	.70	.63	.77	.69	.63	.73	.67	.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	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.43	.41
6.0	.56	.47	.40	.55	.46	.40	.52	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.50	.42	.35	.50	.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	.42	.34	.28	.40	.33	.28	.39	.32	.28	.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: shan
Test Date: 2018-08-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity: 45.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

ρcc	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 Coeffcients(WEC)										
0.0																	
1.0	.324	.185	.058	.317	.181	.057	.302	.173	.055	.288	.166	.053	.276	.160	.051		
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	.035	.229	.118	.034	.220	.114	.034	.211	.111	.033	.203	.108	.033		
6.0	.217	.109	.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	.188	.092	.026	.184	.091	.026	.177	.089	.025	.171	.087	.025	.165	.085	.025		
9.0	.176	.085	.024	.172	.084	.024	.166	.082	.023	.161	.081	.023	.155	.079	.023		
10.0	.165	.079	.022	.162	.078	.022	.157	.077	.022	.151	.075	.021	.146	.074	.021		

ρ _{CC}	80%			70%			50%			30%			10%			0	
ρ _W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ _{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)										
0.0	.211	.211	.211	.180	.180	.180	.123	.123	.123	.071	.071	.071	.023	.023	.023		
1.0	.201	.176	.153	.172	.151	.132	.118	.104	.091	.068	.060	.053	.022	.019	.017		
2.0	.194	.152	.117	.166	.131	.101	.114	.091	.071	.066	.053	.041	.021	.017	.013		
3.0	.186	.134	.093	.159	.116	.081	.109	.081	.057	.063	.047	.034	.020	.015	.011		
4.0	.178	.121	.078	.153	.105	.067	.105	.073	.048	.061	.043	.028	.020	.014	.009		
5.0	.171	.111	.067	.146	.096	.058	.101	.067	.041	.058	.039	.024	.019	.013	.008		
6.0	.163	.102	.059	.140	.089	.051	.097	.062	.036	.056	.037	.022	.018	.012	.007		
7.0	.156	.096	.053	.134	.083	.046	.093	.058	.033	.054	.034	.019	.017	.011	.006		
8.0	.150	.090	.048	.129	.078	.042	.089	.055	.030	.052	.032	.018	.017	.011	.006		
9.0	.144	.085	.045	.124	.074	.039	.086	.052	.028	.050	.031	.017	.016	.010	.006		
10.0	.138	.080	.042	.119	.070	.037	.082	.049	.026	.048	.029	.016	.016	.010	.005		

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

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-F23B-VB-D24CV-W2200-144-3014-1M						TYPE:					WEIGHT:0.126kg/m				
DIM.: 10*10mm						SPEC.:					SERIAL No.:				
MFR.:						SUR.:10*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	19.4	20.9	19.7	21.1	21.4	19.0	20.5	19.3	20.8	21.0					
3H	21.0	22.4	21.4	22.7	23.0	20.7	22.1	21.0	22.4	22.7					
4H	21.7	23.1	22.1	23.4	23.7	21.5	22.8	21.8	23.1	23.4					
6H	22.3	23.5	22.7	23.8	24.2	22.0	23.3	22.4	23.6	23.9					
8H	22.5	23.7	22.8	24.0	24.3	22.2	23.4	22.6	23.7	24.1					
12H	22.6	23.7	23.0	24.1	24.4	22.3	23.5	22.7	23.8	24.2					
4H 2H	20.0	21.3	20.3	21.6	21.9	19.7	21.0	20.1	21.3	21.6					
3H	21.8	23.0	22.2	23.3	23.7	21.6	22.8	22.0	23.1	23.5					
4H	22.6	23.7	23.1	24.1	24.5	22.5	23.5	22.9	23.9	24.3					
6H	23.3	24.3	23.8	24.7	25.1	23.2	24.1	23.6	24.5	24.9					
8H	23.6	24.5	24.0	24.9	25.3	23.4	24.3	23.9	24.7	25.1					
12H	23.7	24.5	24.2	25.0	25.4	23.6	24.4	24.0	24.8	25.3					
8H 4H	22.9	23.8	23.4	24.2	24.7	22.8	23.7	23.2	24.1	24.5					
6H	23.8	24.5	24.3	25.0	25.4	23.7	24.4	24.1	24.8	25.3					
8H	24.1	24.8	24.6	25.2	25.7	24.0	24.6	24.5	25.1	25.6					
12H	24.3	24.9	24.8	25.4	25.9	24.2	24.8	24.7	25.3	25.8					
12H 4H	23.0	23.8	23.4	24.2	24.7	22.8	23.6	23.3	24.0	24.5					
6H	23.8	24.5	24.3	25.0	25.5	23.7	24.4	24.2	24.8	25.4					
8H	24.2	24.8	24.7	25.3	25.8	24.1	24.6	24.6	25.1	25.7					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2									
1.5H	+ 0.2 / - 0.3					+ 0.1 / - 0.2									
2.0H	+ 0.1 / - 0.3					+ 0.1 / - 0.2									

CIE Pub.117 Corrected 219.1 lm Total Lamp Luminous Flux.(8log(F/F0) = -5.3)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

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-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

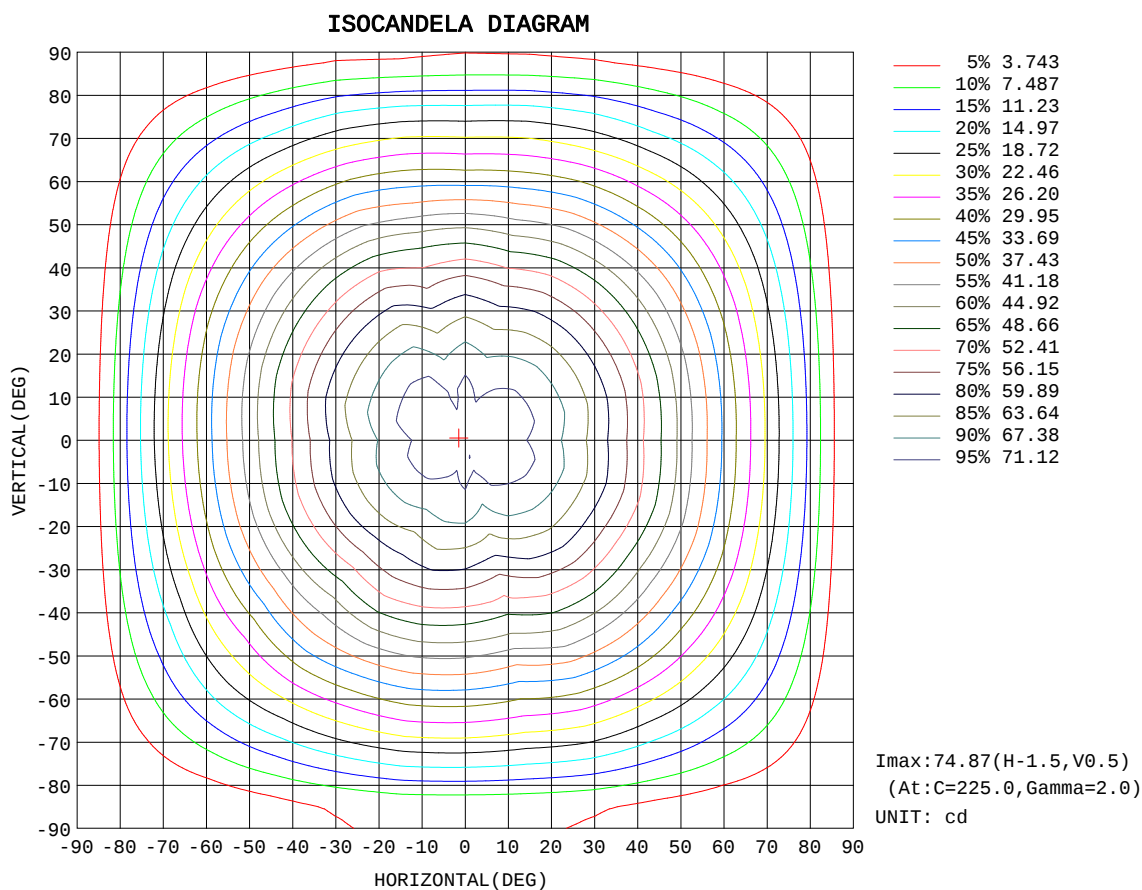
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	56	45	38	56	44	37	54	44	37	31
0.80	66	54	47	65	54	47	63	53	46	39
1.00	75	63	56	73	63	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	74	67	59
2.00	94	85	78	92	83	77	88	81	75	67
2.50	98	90	83	96	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	101	97	100	97	93	83
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: shan
Test Date: 2018-08-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity: 45.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

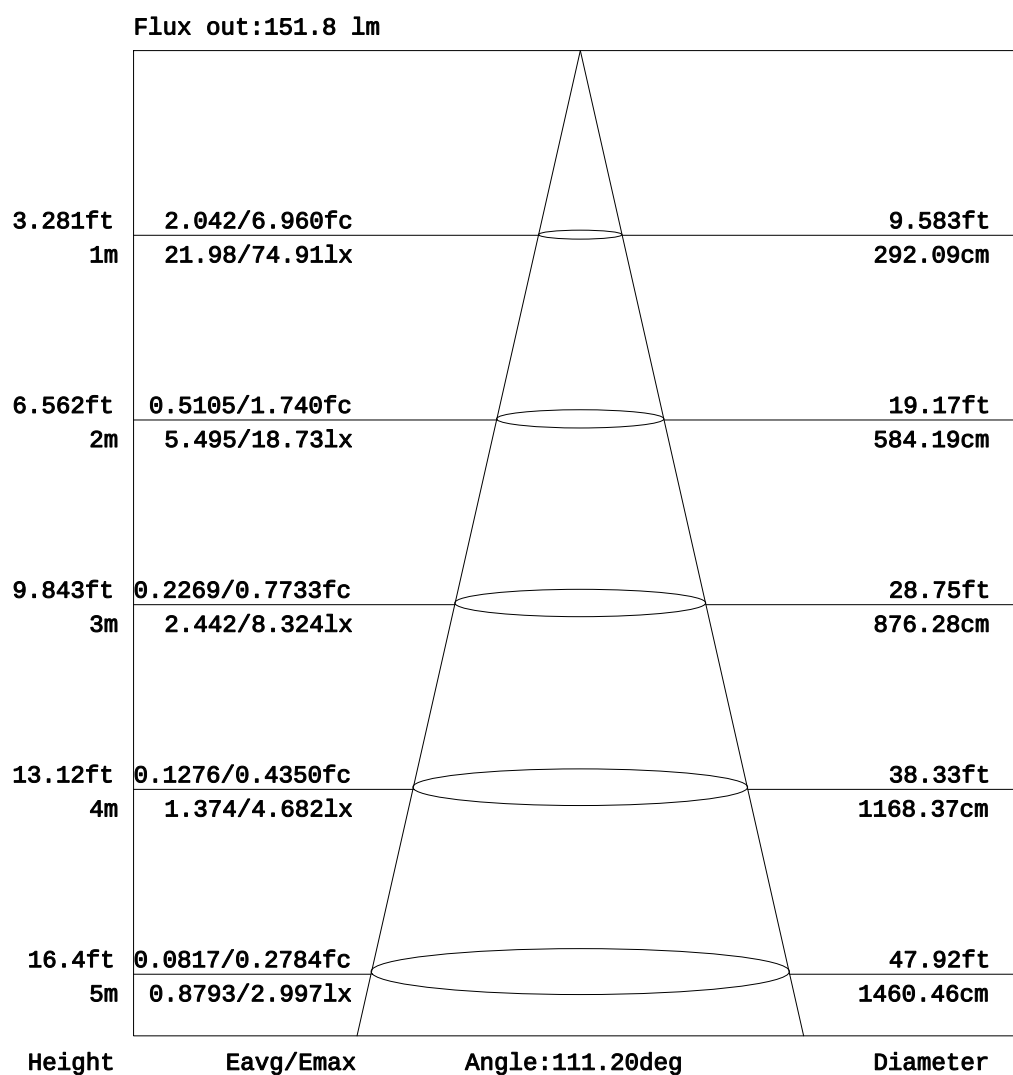


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: shan
 Test Date: 2018-08-15

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-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:



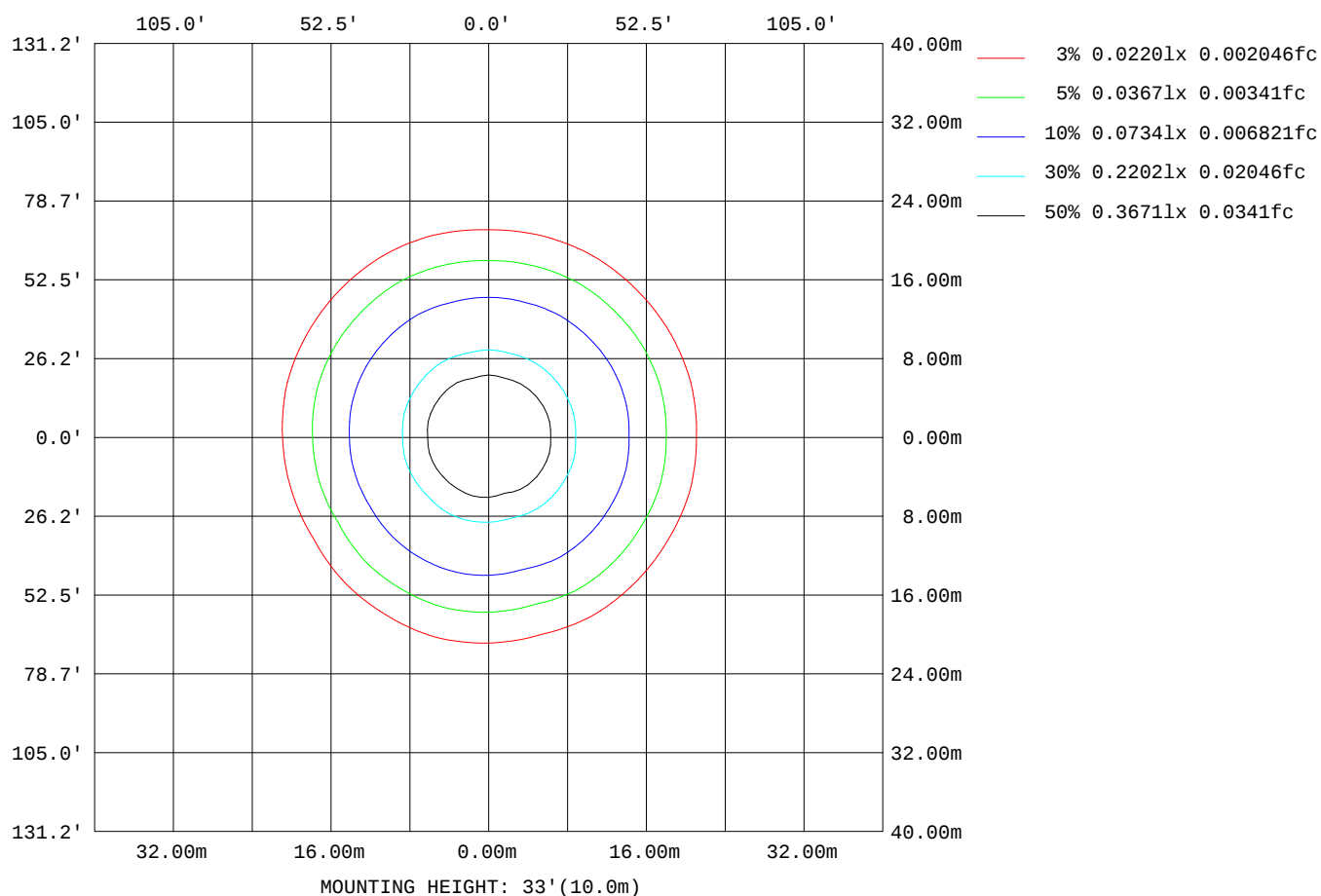
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System: EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity: 45.0%
Test Distance: 6.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*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	219.06	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.01	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	6736	6714	6636	6541	6556	6587	6581	6457	6374	6405	6600	6660	6542	6464	6356	6264	6357	6488	6598
60	6635	6595	6507	6412	6436	6473	6466	6357	6286	6319	6513	6552	6408	6352	6219	6065	6185	6347	6473
65	6528	6474	6380	6281	6279	6319	6359	6331	6299	6320	6515	6517	6301	6187	6047	5917	5989	6166	6371
70	6417	6337	6228	6120	6094	6167	6288	6296	6269	6273	6464	6455	6209	5999	5900	5892	5789	5902	6207
75	6249	6133	6000	5882	5881	5998	6170	6225	6196	6161	6354	6325	6025	5753	5618	5599	5451	5573	5932
80	5946	5783	5595	5434	5469	5633	5841	5927	5900	5841	6026	5958	5587	5243	5009	4929	5001	5192	5436
85	5048	4773	4425	4128	4251	4706	5327	5762	5947	5940	6126	5872	5125	4288	3591	3196	3262	3633	4131

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	6736	200	---	500
Category 2	65 to 90	6528	200	---	500
Category 3	75 to 90	6354	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:shan
Test Date:2018-08-15

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE G0-2000A_V1 SYSTEM V1.0.257
Humidity:45.0%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F23B-VB-D24CV-W2200-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6	73.6
5	73.2	73.4	73.2	73.2	73.2	73.0	73.2	73.3	73.2	73.1	73.2	73.2	73.1	73.4	73.6	73.7	73.7	73.7	73.6
10	72.6	72.3	72.0	71.9	71.7	71.3	71.7	72.4	71.8	71.7	71.7	71.8	72.2	72.2	72.5	73.1	73.1	72.4	72.7
15	71.4	71.0	70.8	70.5	70.3	69.9	70.2	71.3	70.2	70.1	70.3	70.4	70.6	70.9	71.3	72.2	72.1	71.4	71.6
20	68.7	68.4	68.2	68.0	67.3	66.9	67.0	68.8	67.0	67.1	67.3	67.5	67.7	68.2	68.6	69.6	69.7	69.1	69.0
25	66.6	66.0	65.8	65.7	64.9	64.9	64.4	66.6	64.3	64.5	64.8	65.0	65.4	65.9	66.3	67.2	67.7	66.6	66.7
30	62.4	62.0	61.5	61.7	60.6	59.4	59.8	62.3	60.4	59.8	60.5	60.8	61.1	61.8	62.2	63.1	63.8	63.0	62.7
35	59.2	58.9	58.3	58.5	57.5	56.2	56.5	58.8	57.7	56.4	57.1	57.6	58.0	58.5	59.0	59.8	60.6	60.0	59.8
40	53.8	53.6	52.9	53.0	52.3	51.5	51.2	53.5	52.9	50.7	51.5	52.3	52.7	53.3	53.8	54.6	55.4	55.0	54.5
45	50.2	49.8	49.0	49.1	48.7	47.9	47.5	49.6	49.0	46.7	47.6	48.4	48.9	49.5	50.0	50.9	51.4	51.9	50.5
50	44.0	43.7	42.8	43.0	43.0	41.5	41.7	43.6	43.0	41.2	41.3	42.2	43.0	43.6	44.1	44.7	45.1	45.6	44.1
55	39.7	39.4	38.6	38.8	38.9	37.8	37.7	39.4	38.6	37.8	37.0	37.9	39.0	39.4	40.0	40.3	40.8	40.5	39.6
60	33.2	32.8	32.1	32.3	32.3	31.5	31.6	32.9	32.0	31.6	30.3	31.4	32.4	32.9	33.3	33.6	34.1	34.4	32.7
65	28.7	28.3	27.7	27.7	27.9	27.7	27.8	28.9	27.7	27.0	26.0	26.8	28.0	28.6	28.8	29.2	29.8	30.3	28.5
70	21.9	21.5	20.9	20.9	21.5	21.5	21.5	22.3	21.2	20.3	20.2	19.8	21.2	21.7	22.0	22.4	23.2	24.1	22.7
75	17.3	16.9	16.4	16.4	17.1	17.2	17.1	17.8	16.8	15.8	15.7	15.1	16.5	16.9	17.3	17.9	19.0	19.7	18.7
80	10.3	9.90	9.44	9.61	10.1	10.3	10.1	10.6	9.70	8.86	8.56	8.82	9.44	9.79	10.3	11.1	12.4	12.9	12.4
85	5.59	5.19	4.75	4.91	5.50	5.82	5.72	5.94	5.13	4.27	3.89	4.10	4.72	5.09	5.71	6.71	7.82	8.27	8.19
90	0.01	0.08	1.01	2.21	3.48	4.21	4.38	4.41	3.56	2.29	1.14	0.42	0.21	0.26	1.02	2.09	3.08	3.35	3.67
95	0.00	0.02	0.9878	2.04	3.09	3.67	3.85	3.86	3.16	2.00	1.19	0.40	0.23	0.29	0.94	1.80	2.57	2.98	3.25
100	0.00	0.00	0.79	1.72	2.44	2.85	2.97	3.00	2.21	1.78	0.98	0.28	0.26	0.27	0.78	1.41	1.94	2.17	2.69
105	0.00	0.00	0.63	1.52	2.28	2.56	2.61	2.67	2.21	1.53	0.78	0.18	0.16	0.18	0.66	1.22	1.63	1.83	2.12
110	0.00	0.00	0.52	1.27	2.01	2.48	2.57	2.56	2.01	1.27	0.49	0.00	0.00	0.00	0.50	1.03	1.39	1.54	1.74
115	0.00	0.00	0.43	1.24	1.94	2.33	2.43	2.43	1.91	1.05	0.43	0.00	0.00	0.00	0.37	0.92	1.47	1.72	1.85
120	0.00	0.00	0.33	1.05	1.76	2.17	2.28	2.29	1.42	0.87	0.35	0.00	0.00	0.00	0.12	0.81	1.40	1.85	1.96
125	0.00	0.00	0.27	0.93	1.53	1.92	2.02	1.93	1.17	0.78	0.27	0.00	0.00	0.00	0.03	0.59	1.29	1.79	1.81
130	0.00	0.00	0.08	0.69	1.19	1.43	1.48	1.43	0.95	0.56	0.11	0.00	0.00	0.00	0.00	0.23	0.71	1.29	1.34
135	0.00	0.00	0.00	0.49	0.99	1.15	1.29	1.15	0.76	0.37	0.03	0.00	0.00	0.00	0.00	0.13	0.40	0.83	0.83
140	0.00	0.00	0.00	0.20	0.59	0.83	0.90	0.70	0.40	0.18	0.00	0.00	0.00	0.00	0.00	0.04	0.21	0.39	0.48
145	0.00	0.00	0.00	0.07	0.36	0.62	0.67	0.45	0.27	0.10	0.00	0.00	0.00	0.00	0.00	0.00	0.14	0.25	0.42
150	0.00	0.00	0.00	0.00	0.09	0.27	0.37	0.25	0.07	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.17
155	0.00	0.00	0.00	0.00	0.02	0.06	0.09	0.04	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
160	0.00	0.01	0.01	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.01	0.01	0.00	0.01	0.01	0.00	0.00	0.00	0.00
165	0.01	0.03	0.02	0.02	0.02	0.00	0.01	0.00	0.00	0.01	0.02	0.01	0.02	0.02	0.02	0.00	0.01	0.00	0.01
170	0.03	0.03	0.04	0.04	0.04	0.02	0.02	0.02	0.02	0.03	0.03	0.03	0.03	0.04	0.05	0.03	0.02	0.02	0.02
175	0.04	0.05	0.05	0.04	0.05	0.03	0.03	0.03	0.03	0.04	0.03	0.03	0.04	0.05	0.06	0.04	0.04	0.04	0.03
180	0.04	0.06	0.06	0.06	0.06	0.05	0.04	0.03	0.04	0.05	0.04	0.04	0.05	0.07	0.07	0.05	0.05	0.06	0.05

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

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-F23B-VB-D24CV-W2200-144-3014-1	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	73.6	73.6	73.6	73.6	73.6														
5	73.6	73.6	73.6	73.6	73.5														
10	72.7	72.7	72.7	72.7	72.6														
15	71.6	71.6	71.6	71.5	71.4														
20	69.0	69.1	69.1	69.0	68.9														
25	66.8	66.9	66.8	66.7	66.6														
30	62.8	63.1	62.8	62.7	62.6														
35	59.8	60.1	59.6	59.6	59.4														
40	54.6	55.1	54.5	54.4	54.2														
45	50.6	51.2	50.7	50.6	50.4														
50	44.5	44.9	44.6	44.6	44.4														
55	40.2	40.6	40.2	40.4	40.2														
60	33.9	34.0	33.5	33.7	33.6														
65	29.7	29.6	29.1	29.2	29.1														
70	23.7	23.1	22.4	22.3	22.3														
75	19.7	19.0	17.9	17.7	17.6														
80	13.1	12.6	11.3	10.8	10.6														
85	8.56	8.08	7.03	6.24	5.88														
90	3.64	3.04	2.03	0.98	0.19														
95	3.19	2.66	1.76	0.81	0.00														
100	2.70	2.30	1.55	0.73	0.00														
105	2.16	1.92	1.36	0.65	0.00														
110	1.71	1.49	1.11	0.53	0.00														
115	1.87	1.55	1.08	0.47	0.00														
120	2.08	1.63	1.03	0.26	0.00														
125	1.98	1.60	0.89	0.13	0.00														
130	1.51	1.10	0.53	0.03	0.00														
135	1.11	0.78	0.35	0.00	0.00														
140	0.68	0.46	0.12	0.00	0.00														
145	0.46	0.29	0.00	0.00	0.00														
150	0.11	0.01	0.00	0.00	0.00														
155	0.01	0.00	0.00	0.00	0.00														
160	0.00	0.00	0.00	0.01	0.01														
165	0.01	0.00	0.01	0.02	0.01														
170	0.02	0.01	0.02	0.03	0.03														
175	0.03	0.03	0.04	0.04	0.04														
180	0.06	0.04	0.05	0.05	0.05														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

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: