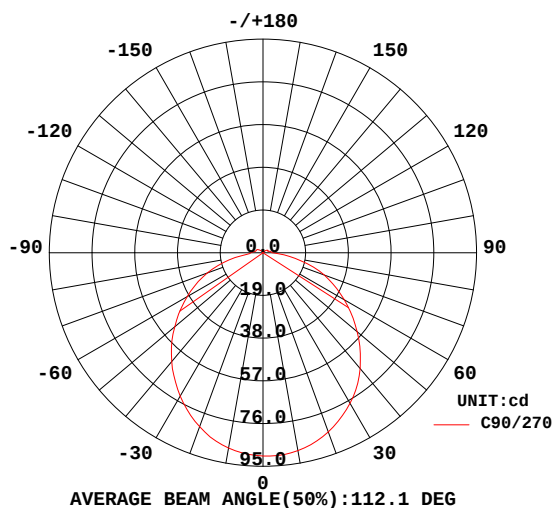


LUMINAIRE PHOTOMETRIC TEST REPORT

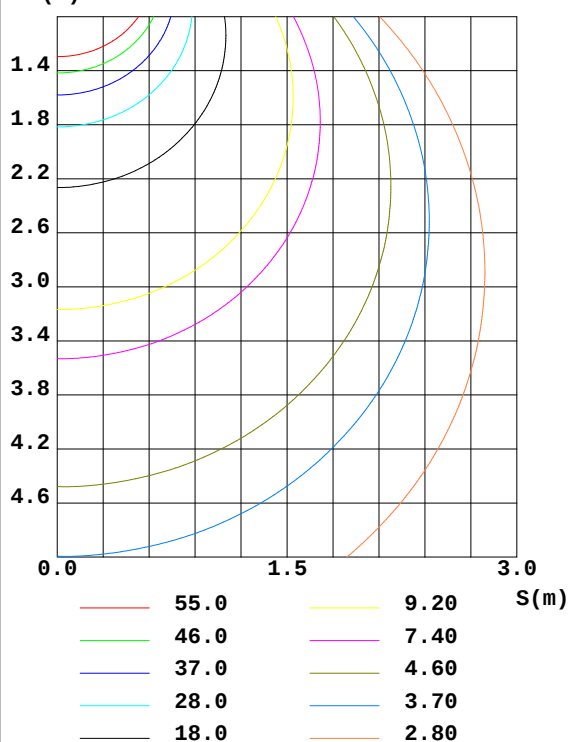
NAME: C-SFR-F23B-VB-D24CV-W2700-144-3014-1M	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:
MFR.:	SUR.: 10*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 63.59 lm/W			
MODEL	3014	I _{max} (cd)	90.54	S/MH(C0/180)	1.26
NOMINAL POWER(W)	4.5	LOR(%)	101.0	S/MH(C90/270)	1.22
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	270.91	η UP, DN(C0-180)	1.4, 48.2
NOMINAL FLUX(lm)	268.2	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.2, 50.3
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	1.25
TEST VOLTAGE(V)	24	η down(%)	98.4	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: 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	89.05	88.35	88.21	88.17	88.43	89.81	89.35	89.42	0- 10	8.557	8.557	3.16, 3.19
20	84.28	83.61	82.39	82.61	83.23	85.59	84.82	84.84	10- 20	24.49	33.04	12.2, 12.3
30	76.48	76.05	73.63	73.74	75.21	77.75	77.34	77.19	20- 30	36.97	70.01	25.8, 26.1
40	66.24	65.45	63.21	62.65	64.80	67.60	67.23	67.16	30- 40	44.43	114.4	42.2, 42.7
50	54.20	53.19	51.27	50.32	52.77	55.36	54.68	54.95	40- 50	46.07	160.5	59.3, 59.8
60	40.99	39.88	38.84	38.63	39.64	41.55	41.68	41.32	50- 60	41.98	202.5	74.7, 75.5
70	27.15	25.84	26.36	24.88	25.93	27.66	29.05	27.53	60- 70	33.23	235.7	87, 87.9
80	12.85	12.05	12.66	10.97	11.60	13.58	14.55	13.71	70- 80	21.00	256.7	94.8, 95.7
90	0.0086	2.741	5.409	2.854	0.3035	2.381	4.207	2.293	80- 90	7.242	264.0	97.4, 98.4
100	0	2.120	3.629	2.168	0.3644	1.834	3.424	2.001	90-100	2.385	266.3	98.3, 99.3
110	0	1.689	3.252	1.669	0	1.419	2.244	1.534	100-110	1.704	268.1	98.9, 99.9
120	0	1.236	2.903	1.005	0	0.8656	2.337	1.165	110-120	1.308	269.4	99.4, 100
130	0	0.8154	1.806	0.6708	0	0.5146	1.441	0.7712	120-130	0.8680	270.2	99.7, 101
140	0	0.2699	1.096	0.3393	0.0179	0.1512	0.8353	0.2591	130-140	0.4190	270.6	99.9, 101
150	0.0433	0.0728	0.4422	0.1097	0.0638	0.0364	0.3723	0.0523	140-150	0.1670	270.8	100, 101
160	0.0841	0.1091	0.1026	0.0915	0.1046	0.0701	0.0762	0.0809	150-160	0.0481	270.9	100, 101
170	0.1249	0.1299	0.1287	0.1306	0.1352	0.1324	0.1287	0.1227	160-170	0.0310	270.9	100, 101
180	0.1581	0.1585	0.1602	0.1541	0.1581	0.1611	0.1655	0.1541	170-180	0.0138	270.9	100, 101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

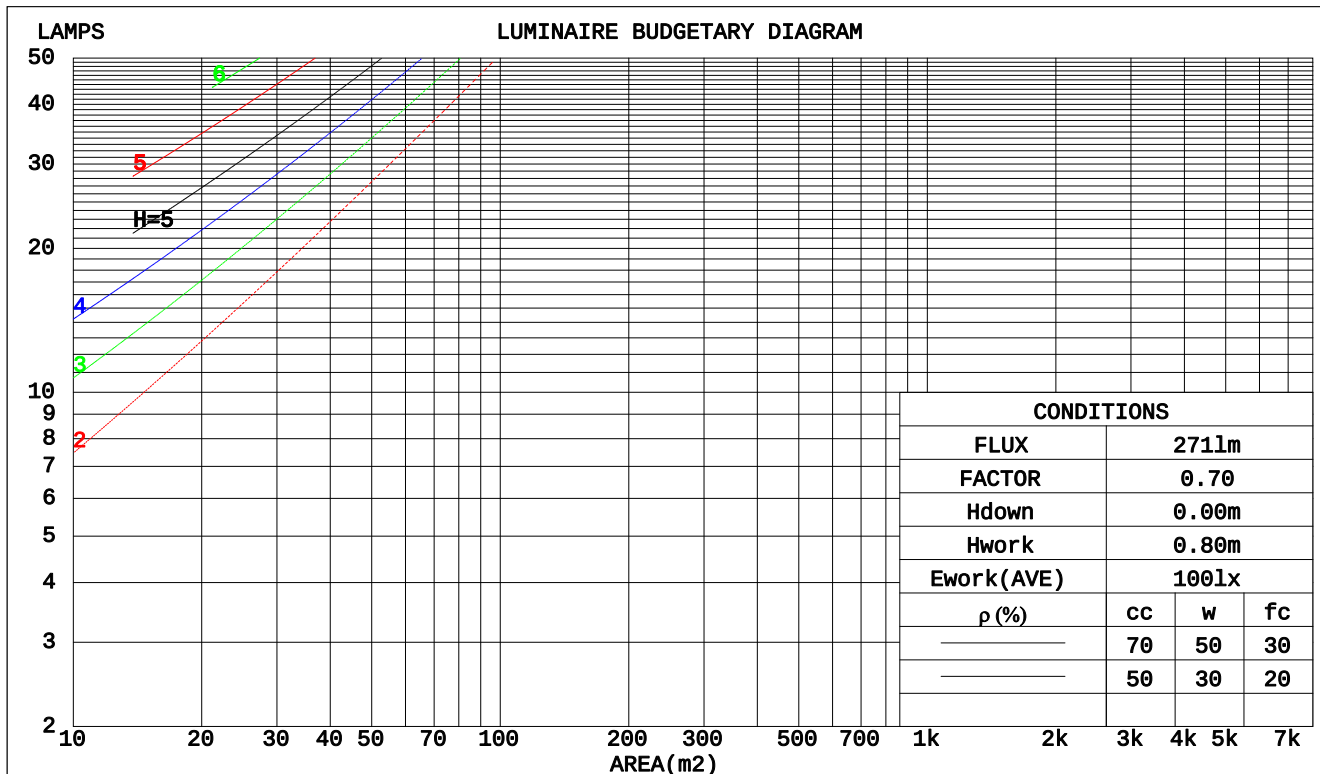
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-W2700-144-3014-1M	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	1.20	1.20	1.20	1.17	1.17	1.17	1.11	1.11	1.11	1.06	1.06	1.06	1.01	1.01	1.01	.98
1.0	1.04	.99	.95	1.01	.97	.93	.96	.93	.90	.92	.89	.87	.88	.86	.84	.81
2.0	.90	.83	.77	.88	.81	.76	.84	.78	.74	.80	.75	.71	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.61	.70	.65	.60	.67	.63	.59	.56
4.0	.70	.61	.54	.68	.60	.53	.65	.58	.52	.63	.56	.51	.60	.55	.50	.48
5.0	.62	.53	.46	.61	.52	.46	.58	.51	.45	.56	.49	.44	.54	.48	.44	.41
6.0	.56	.47	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.49	.43	.38	.36
7.0	.51	.42	.35	.50	.41	.35	.48	.40	.35	.46	.39	.34	.45	.39	.34	.32
8.0	.46	.38	.32	.45	.37	.31	.44	.36	.31	.42	.36	.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	.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: 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-W2700-144-3014-1M	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	.326	.185	.059	.318	.181	.058	.303	.174	.055	.289	.167	.053	.276	.160	.052		
2.0	.302	.166	.051	.295	.163	.050	.282	.157	.049	.270	.151	.047	.258	.146	.046		
3.0	.278	.148	.044	.271	.145	.044	.259	.141	.043	.249	.136	.042	.238	.132	.041		
4.0	.255	.132	.039	.249	.130	.039	.239	.127	.038	.229	.123	.037	.220	.120	.036		
5.0	.235	.120	.035	.230	.118	.034	.221	.115	.034	.212	.112	.033	.204	.109	.033		
6.0	.217	.109	.031	.213	.108	.031	.205	.105	.030	.197	.102	.030	.189	.100	.030		
7.0	.202	.100	.028	.198	.099	.028	.190	.096	.028	.183	.094	.027	.177	.092	.027		
8.0	.188	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.176	.085	.024	.173	.084	.024	.167	.083	.023	.161	.081	.023	.156	.079	.023		
10.0	.166	.079	.022	.163	.079	.022	.157	.077	.022	.152	.075	.021	.147	.074	.021		

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						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.212	.212	.212	.181	.181	.181	.124	.124	.124	.071	.071	.071	.023	.023	.023	
1.0	.203	.177	.155	.174	.152	.133	.119	.105	.092	.068	.061	.054	.022	.020	.017	
2.0	.195	.153	.118	.167	.132	.102	.114	.091	.071	.066	.053	.042	.021	.017	.014	
3.0	.187	.136	.094	.160	.117	.082	.110	.081	.057	.064	.047	.034	.020	.015	.011	
4.0	.179	.122	.079	.154	.106	.068	.106	.074	.048	.061	.043	.028	.020	.014	.009	
5.0	.172	.112	.068	.148	.097	.059	.102	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.165	.103	.060	.141	.090	.052	.098	.063	.037	.057	.037	.022	.018	.012	.007	
7.0	.158	.097	.054	.136	.084	.047	.094	.059	.033	.054	.035	.020	.018	.011	.007	
8.0	.151	.091	.049	.130	.079	.043	.090	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.145	.086	.046	.125	.074	.040	.086	.052	.028	.050	.031	.017	.016	.010	.006	
10.0	.139	.081	.043	.120	.071	.038	.083	.050	.027	.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-W2700-144-3014-1M						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		20.1	21.6	20.4	21.9	22.1	19.8	21.3	20.1	21.5	21.8				
	3H	21.8	23.2	22.1	23.5	23.8	21.5	22.9	21.8	23.1	23.4				
	4H	22.5	23.9	22.9	24.2	24.5	22.2	23.5	22.6	23.8	24.2				
	6H	23.1	24.3	23.5	24.7	25.0	22.8	24.1	23.2	24.4	24.7				
	8H	23.3	24.5	23.7	24.8	25.2	23.0	24.2	23.4	24.5	24.9				
	12H	23.4	24.6	23.8	24.9	25.3	23.1	24.3	23.5	24.6	25.0				
4H	2H	20.7	22.0	21.1	22.3	22.7	20.5	21.8	20.8	22.1	22.4				
	3H	22.6	23.7	23.0	24.1	24.4	22.3	23.5	22.7	23.8	24.2				
	4H	23.4	24.5	23.8	24.9	25.2	23.2	24.3	23.6	24.7	25.0				
	6H	24.1	25.1	24.6	25.5	25.9	24.0	24.9	24.4	25.3	25.7				
	8H	24.4	25.3	24.8	25.7	26.1	24.2	25.1	24.6	25.5	25.9				
	12H	24.5	25.3	25.0	25.8	26.2	24.4	25.2	24.8	25.6	26.1				
8H	4H	23.7	24.6	24.2	25.0	25.4	23.5	24.4	24.0	24.8	25.3				
	6H	24.6	25.3	25.0	25.7	26.2	24.4	25.2	24.9	25.6	26.1				
	8H	24.9	25.5	25.4	26.0	26.5	24.8	25.4	25.3	25.9	26.4				
	12H	25.1	25.7	25.6	26.2	26.7	25.0	25.6	25.6	26.1	26.6				
12H	4H	23.7	24.5	24.2	25.0	25.4	23.6	24.4	24.0	24.8	25.3				
	6H	24.6	25.3	25.1	25.8	26.3	24.5	25.2	25.0	25.6	26.1				
	8H	25.0	25.6	25.5	26.1	26.6	24.9	25.4	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		+ 0.1 / - 0.3					+ 0.2 / - 0.3								
2.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.3								

CIE Pub.117 Corrected 268.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.6)

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-W2700-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

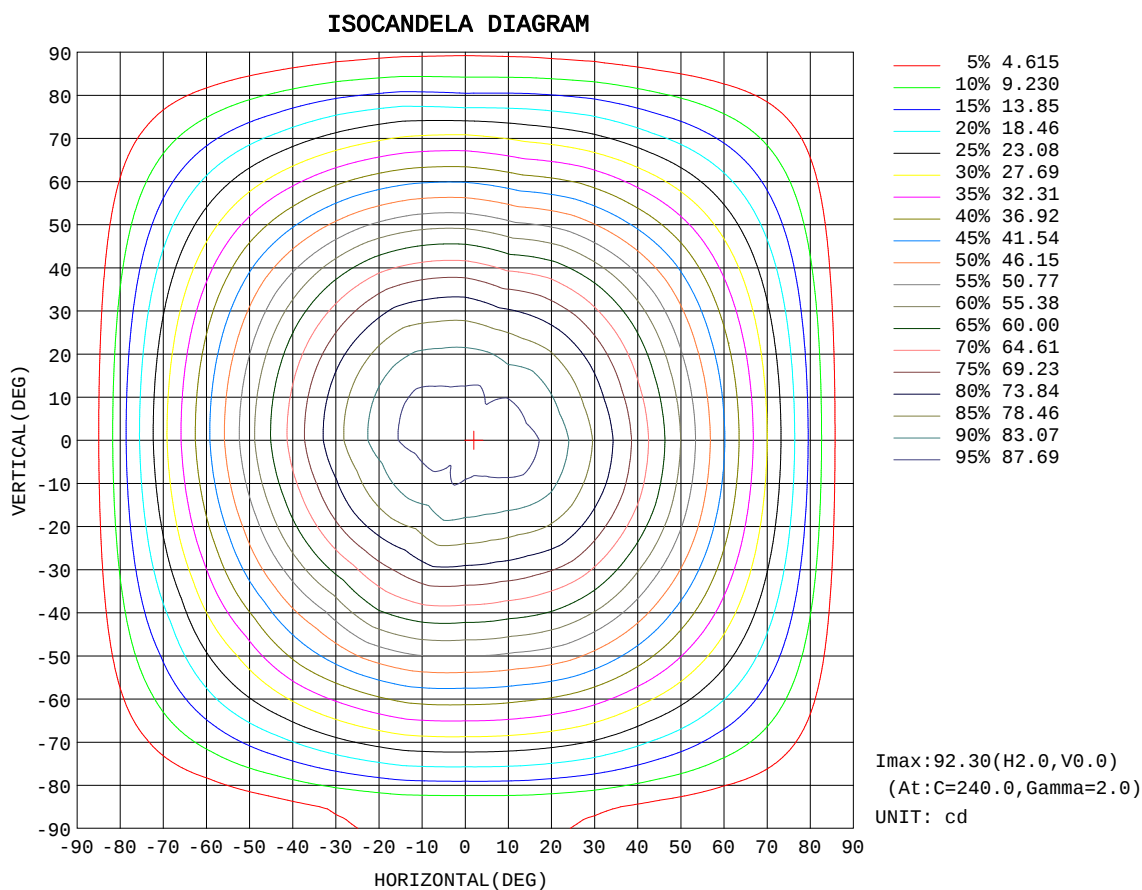
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	46	39
1.00	75	63	56	74	63	56	71	64	55	48
1.25	82	71	64	81	70	63	78	69	62	55
1.50	87	77	69	85	76	69	82	74	68	60
2.00	94	85	78	92	84	77	88	81	76	67
2.50	98	90	84	96	88	83	92	85	80	71
3.00	102	94	88	99	93	87	95	89	85	76
4.00	106	100	95	103	98	93	99	94	90	80
5.00	108	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: 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-W2700-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

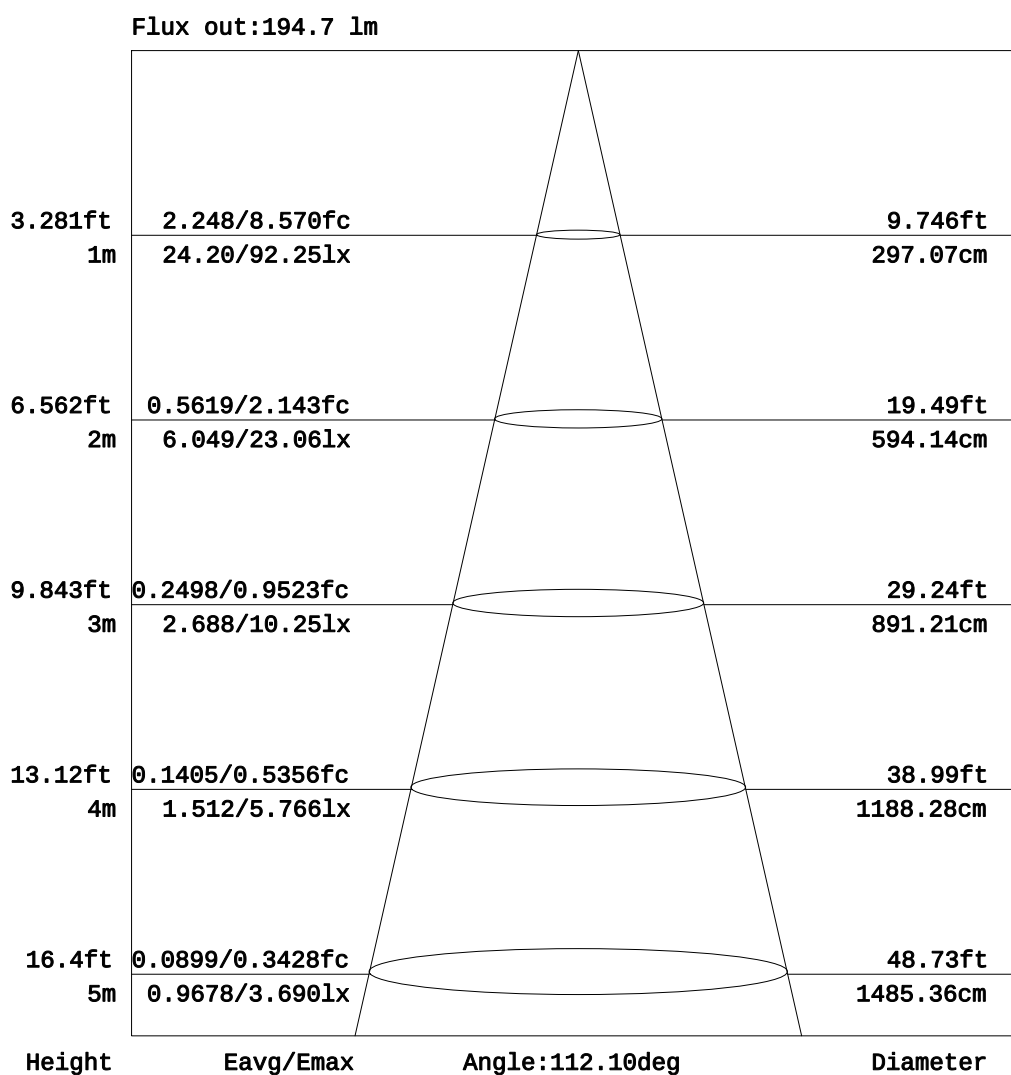


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: shan
 Test Date: 2018-08-15

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:

AAI Figure

NAME: C-SFR-F23B-VB-D24CV-W2700-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:



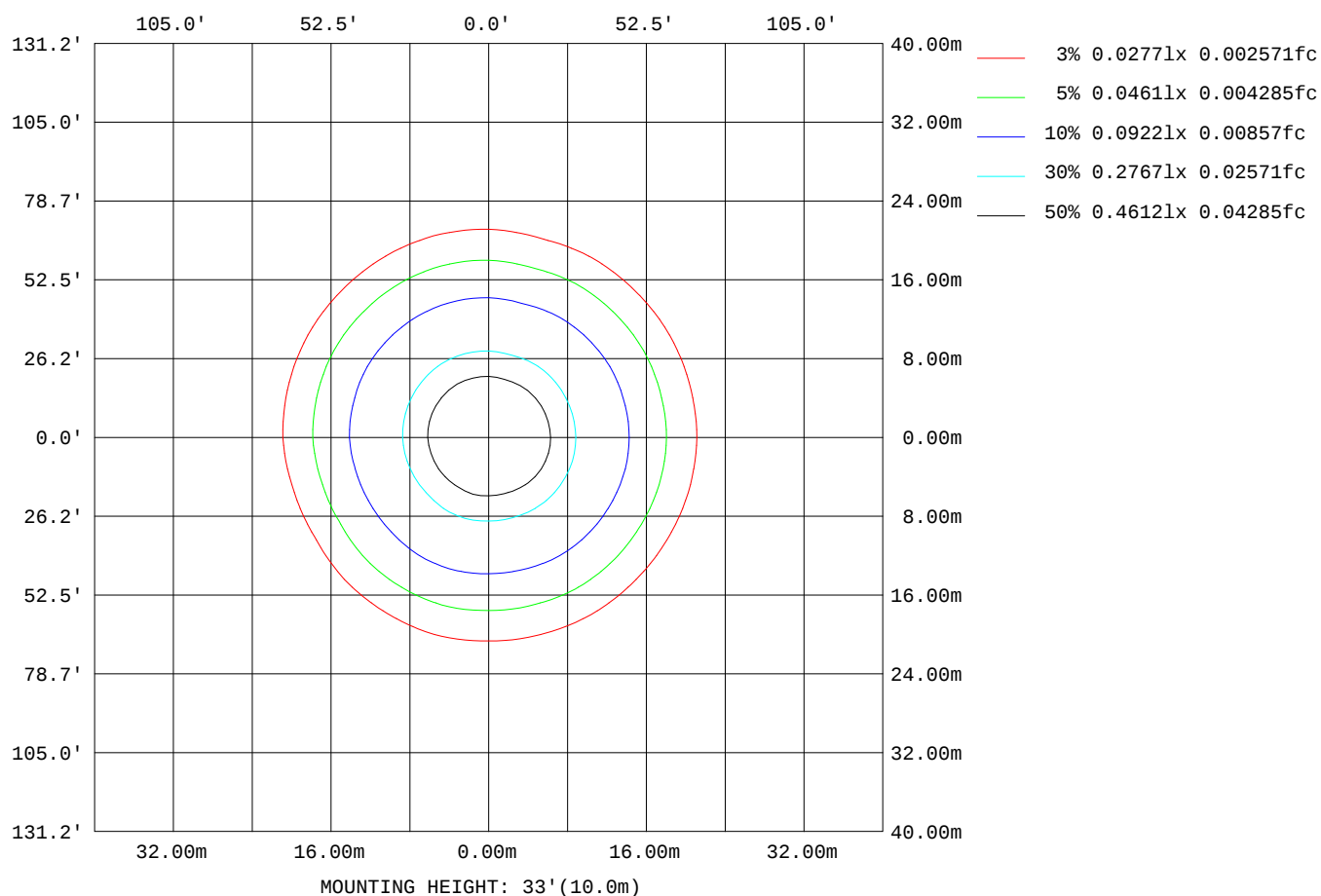
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W2700-144-3014-1M	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-W2700-144-3014-1M	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	268.2	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	8309	8265	8185	8100	8110	8132	8114	7980	7880	7863	7917	8017	8078	7867	7711	7704	7799	7942	8081
60	8198	8123	8028	7942	7958	7985	7974	7863	7780	7767	7814	7878	7906	7801	7629	7484	7571	7748	7928
65	8076	7982	7881	7791	7766	7798	7848	7815	7766	7741	7787	7809	7764	7619	7409	7230	7322	7543	7782
70	7940	7807	7680	7577	7540	7622	7770	7776	7738	7707	7745	7751	7665	7405	7198	7104	7051	7238	7582
75	7756	7587	7425	7301	7296	7432	7636	7687	7650	7589	7642	7614	7441	7109	6917	6876	6676	6828	7278
80	7399	7183	6953	6774	6848	7051	7285	7413	7395	7289	7335	7251	6962	6518	6193	6079	6163	6393	6680
85	6388	6015	5603	5292	5495	6070	6807	7283	7468	7427	7458	7165	6453	5427	4542	4032	4100	4538	5113

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	8309	200	---	500
Category 2	65 to 90	8076	200	---	500
Category 3	75 to 90	7756	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 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-W2700-144-3014-1M	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	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4	90.4
5	90.3	90.2	90.0	89.9	89.9	89.9	89.9	90.0	90.0	89.9	89.9	90.0	90.1	90.1	90.5	90.5	90.5	90.5	90.4
10	89.0	88.9	88.6	88.4	88.2	88.1	88.2	88.4	88.4	88.2	88.2	88.3	88.4	88.6	89.2	89.8	89.7	89.6	89.3
15	87.5	87.3	87.2	86.8	86.5	86.3	86.4	86.6	86.7	86.3	86.4	86.5	86.8	87.0	87.7	88.7	88.5	88.2	88.0
20	84.3	84.1	84.1	83.6	82.8	82.4	82.4	82.8	82.9	82.6	82.8	82.9	83.2	83.6	84.3	85.6	85.8	85.3	84.8
25	81.4	81.2	81.3	80.9	79.8	79.3	79.2	79.8	79.6	79.4	79.7	80.0	80.3	80.7	81.5	82.7	83.3	82.6	82.1
30	76.5	76.2	76.2	76.1	74.6	73.8	73.6	74.3	74.3	73.7	74.4	74.8	75.2	75.7	76.5	77.7	78.6	77.9	77.3
35	72.7	72.5	72.1	72.2	70.7	69.7	69.5	70.2	70.7	69.5	70.2	70.8	71.3	71.7	72.6	73.8	74.9	74.4	73.8
40	66.2	66.1	65.4	65.5	64.4	63.5	63.2	64.0	65.0	62.7	63.4	64.3	64.8	65.3	66.2	67.6	68.5	68.1	67.2
45	61.6	61.4	60.6	60.7	60.1	58.8	58.6	59.2	60.7	57.8	58.5	59.5	60.2	60.7	61.6	62.8	63.7	63.2	62.4
50	54.2	53.8	53.0	53.2	53.0	51.6	51.3	51.9	53.1	50.3	50.8	51.8	52.8	53.4	54.3	55.4	55.9	55.6	54.7
55	49.0	48.6	47.8	47.9	47.9	46.6	46.4	46.9	47.7	45.6	45.5	46.5	47.7	48.2	49.4	50.0	50.4	50.3	49.6
60	41.0	40.4	39.7	39.9	39.9	39.0	38.8	39.2	39.5	38.6	37.4	38.3	39.6	40.3	41.1	41.6	42.2	42.4	41.7
65	35.5	34.9	34.3	34.2	34.5	34.2	34.0	34.3	34.1	33.2	31.9	32.8	34.2	34.8	35.6	36.0	36.7	37.0	36.5
70	27.2	26.5	25.9	25.8	26.6	26.5	26.4	26.5	26.2	24.9	24.3	24.2	25.9	26.5	27.0	27.7	28.5	29.3	29.0
75	21.5	20.9	20.3	20.4	21.2	21.2	21.0	21.2	20.7	19.4	19.2	18.6	20.2	20.7	21.3	22.0	23.2	24.0	23.4
80	12.8	12.3	11.8	12.0	12.7	12.9	12.7	12.7	12.1	11.0	10.6	10.9	11.6	12.1	12.7	13.6	15.0	15.6	14.6
85	7.04	6.50	6.05	6.29	7.07	7.43	7.29	7.32	6.59	5.43	4.83	5.10	5.82	6.28	7.01	8.10	9.37	10.0	9.52
90	0.01	0.16	1.26	2.74	4.32	5.21	5.41	5.23	4.40	2.85	1.39	0.51	0.30	0.36	1.16	2.38	3.54	4.04	4.21
95	0.00	0.09	1.23	2.53	3.81	4.56	4.73	4.57	3.91	2.48	1.41	0.48	0.34	0.44	1.12	2.19	3.15	3.65	3.83
100	0.00	0.04	0.9881	2.12	2.96	3.47	3.63	3.50	2.75	2.17	1.17	0.35	0.36	0.35	1.08	1.83	2.54	3.06	3.42
105	0.00	0.00	0.81	1.91	2.86	3.22	3.32	3.24	2.79	1.90	0.97	0.24	0.22	0.24	0.87	1.63	2.14	2.33	2.84
110	0.00	0.00	0.73	1.69	2.55	3.10	3.25	3.10	2.57	1.67	0.68	0.02	0.00	0.00	0.63	1.42	1.92	1.97	2.24
115	0.00	0.00	0.52	1.62	2.51	3.02	3.16	3.03	2.49	1.37	0.53	0.00	0.00	0.00	0.42	1.12	1.91	2.14	2.44
120	0.00	0.00	0.34	1.24	2.16	2.74	2.90	2.76	1.82	1.01	0.44	0.00	0.00	0.00	0.23	0.87	1.63	2.15	2.34
125	0.00	0.00	0.35	1.08	1.76	2.33	2.52	2.31	1.41	0.87	0.36	0.00	0.00	0.00	0.21	0.67	1.37	2.01	2.06
130	0.00	0.00	0.13	0.82	1.38	1.74	1.81	1.59	1.10	0.67	0.26	0.00	0.00	0.00	0.07	0.51	0.92	1.46	1.44
135	0.00	0.00	0.07	0.68	1.08	1.37	1.50	1.27	0.88	0.50	0.16	0.00	0.00	0.00	0.01	0.42	0.74	1.15	1.04
140	0.00	0.01	0.02	0.27	0.80	1.01	1.10	0.83	0.59	0.34	0.08	0.02	0.02	0.01	0.00	0.15	0.52	0.79	0.84
145	0.02	0.03	0.03	0.16	0.48	0.85	0.95	0.64	0.46	0.21	0.06	0.03	0.03	0.04	0.01	0.06	0.32	0.55	0.88
150	0.04	0.05	0.06	0.07	0.19	0.33	0.44	0.32	0.23	0.11	0.06	0.06	0.06	0.06	0.03	0.04	0.07	0.14	0.37
155	0.06	0.07	0.07	0.08	0.11	0.20	0.25	0.20	0.14	0.08	0.08	0.08	0.08	0.08	0.06	0.04	0.05	0.06	0.19
160	0.08	0.09	0.09	0.11	0.10	0.09	0.10	0.10	0.08	0.09	0.11	0.11	0.10	0.11	0.08	0.07	0.07	0.07	0.08
165	0.10	0.10	0.11	0.11	0.11	0.11	0.11	0.10	0.11	0.11	0.12	0.12	0.11	0.12	0.10	0.09	0.09	0.09	0.10
170	0.12	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.13	0.14	0.14	0.14	0.15	0.13	0.13	0.12	0.11	0.13
175	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.16	0.14	0.15	0.16	0.15	0.15	0.16	0.14	0.15	0.13	0.14	0.14
180	0.16	0.16	0.15	0.16	0.16	0.16	0.16	0.18	0.15	0.15	0.17	0.16	0.16	0.17	0.16	0.16	0.16	0.16	0.17

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-W2700-144-3014-1	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	90.4	90.4	90.4	90.4	90.4														
5	90.4	90.4	90.5	90.4	90.5														
10	89.2	89.3	89.4	89.3	89.3														
15	87.7	87.9	88.0	87.9	87.9														
20	84.2	84.8	84.8	84.8	84.7														
25	81.0	82.3	82.1	82.0	81.9														
30	75.6	77.5	77.2	77.1	77.0														
35	71.7	74.0	73.3	73.3	73.1														
40	65.2	67.9	67.2	67.0	66.8														
45	60.3	63.1	62.5	62.4	62.1														
50	52.8	55.5	54.9	55.0	54.7														
55	47.7	50.1	49.6	49.9	49.5														
60	40.0	41.9	41.3	41.7	41.4														
65	34.9	36.4	35.8	36.1	36.0														
70	27.6	28.3	27.5	27.6	27.6														
75	22.7	23.0	22.0	21.9	21.9														
80	14.8	15.0	13.7	13.3	13.1														
85	9.60	9.46	8.34	7.71	7.38														
90	4.01	3.49	2.29	1.19	0.39														
95	3.62	3.15	2.07	0.97	0.10														
100	3.28	2.93	2.00	1.02	0.11														
105	2.75	2.53	1.78	0.93	0.08														
110	2.15	2.03	1.53	0.73	0.00														
115	2.37	2.05	1.35	0.61	0.00														
120	2.38	1.92	1.17	0.38	0.00														
125	2.14	1.77	1.01	0.29	0.00														
130	1.49	1.38	0.77	0.16	0.00														
135	0.94	1.19	0.57	0.05	0.00														
140	0.66	0.74	0.26	0.02	0.03														
145	0.61	0.47	0.10	0.02	0.05														
150	0.30	0.13	0.05	0.05	0.08														
155	0.15	0.08	0.05	0.07	0.10														
160	0.09	0.07	0.08	0.10	0.12														
165	0.11	0.09	0.10	0.12	0.14														
170	0.13	0.12	0.12	0.14	0.17														
175	0.16	0.14	0.14	0.15	0.18														
180	0.18	0.15	0.15	0.17	0.20														

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: