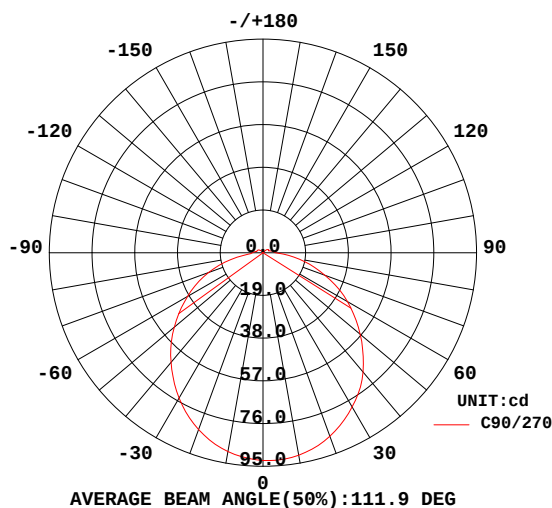


LUMINAIRE PHOTOMETRIC TEST REPORT

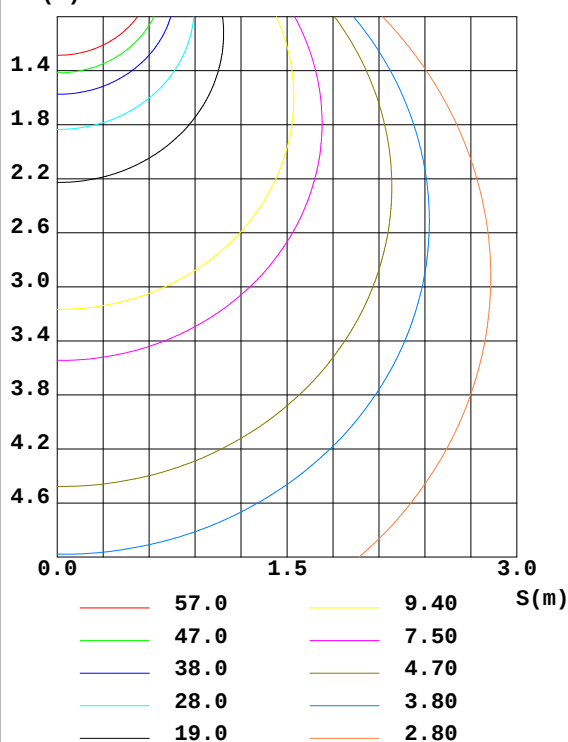
NAME: C-SFR-F23B-VB-D24CV-W5700-144-3014-1M	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:
MFR.:	SUR.:10*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 65.43 lm/W
MODEL	3014	I _{max} (cd)	92.53	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	4.5	LOR(%)	99.1	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	276.72	η UP, DN(C0-180)	1.2, 46.7	
NOMINAL FLUX(lm)	279.22	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 49.7	
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	96.5	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: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	91.04	89.95	89.78	89.84	90.26	91.93	91.44	91.32	0- 10	8.735	8.735	3.16, 3.13
20	86.26	84.91	83.69	84.10	84.84	87.72	86.90	86.71	10- 20	24.97	33.71	12.2, 12.1
30	78.43	77.07	74.68	75.02	76.54	79.75	79.24	78.88	20- 30	37.68	71.39	25.8, 25.6
40	68.08	66.14	63.65	63.71	65.88	69.39	69.25	68.74	30- 40	45.29	116.7	42.2, 41.8
50	55.73	53.34	51.51	50.80	53.53	57.22	56.47	56.40	40- 50	46.97	163.7	59.1, 58.6
60	42.20	39.76	38.66	39.09	40.11	43.12	43.34	42.38	50- 60	42.78	206.4	74.6, 73.9
70	27.97	25.37	25.83	25.10	26.20	29.07	29.38	28.31	60- 70	33.86	240.3	86.8, 86.1
80	13.19	11.02	11.79	10.98	11.65	15.01	16.41	14.42	70- 80	21.44	261.7	94.6, 93.7
90	0.0089	2.352	4.829	2.462	0.3012	3.252	5.635	3.213	80- 90	7.579	269.3	97.3, 96.5
100	0	1.902	3.289	1.961	0.3950	2.334	4.300	2.599	90-100	2.577	271.9	98.3, 97.4
110	0	1.357	2.798	1.328	0	1.794	2.643	1.913	100-110	1.776	273.7	98.9, 98
120	0	1.229	2.464	0.9520	0	1.186	2.850	1.594	110-120	1.352	275.0	99.4, 98.5
130	0	0.8233	1.768	0.6623	0.0000	0.5881	2.126	0.9687	120-130	0.9730	276.0	99.7, 98.8
140	0.0025	0.2179	1.110	0.2998	0.0332	0.2627	0.9118	0.3265	130-140	0.4598	276.5	99.9, 99
150	0.0535	0.0728	0.3872	0.0652	0.0766	0.0754	0.4699	0.0626	140-150	0.1645	276.6	100, 99.1
160	0.0994	0.1170	0.1025	0.0992	0.1123	0.0883	0.0737	0.0991	150-160	0.0495	276.7	100, 99.1
170	0.1403	0.1560	0.1498	0.1409	0.1481	0.1429	0.1236	0.1330	160-170	0.0341	276.7	100, 99.1
180	0.1761	0.1819	0.1709	0.1670	0.1761	0.1923	0.1630	0.1643	170-180	0.0149	276.7	100, 99.1
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

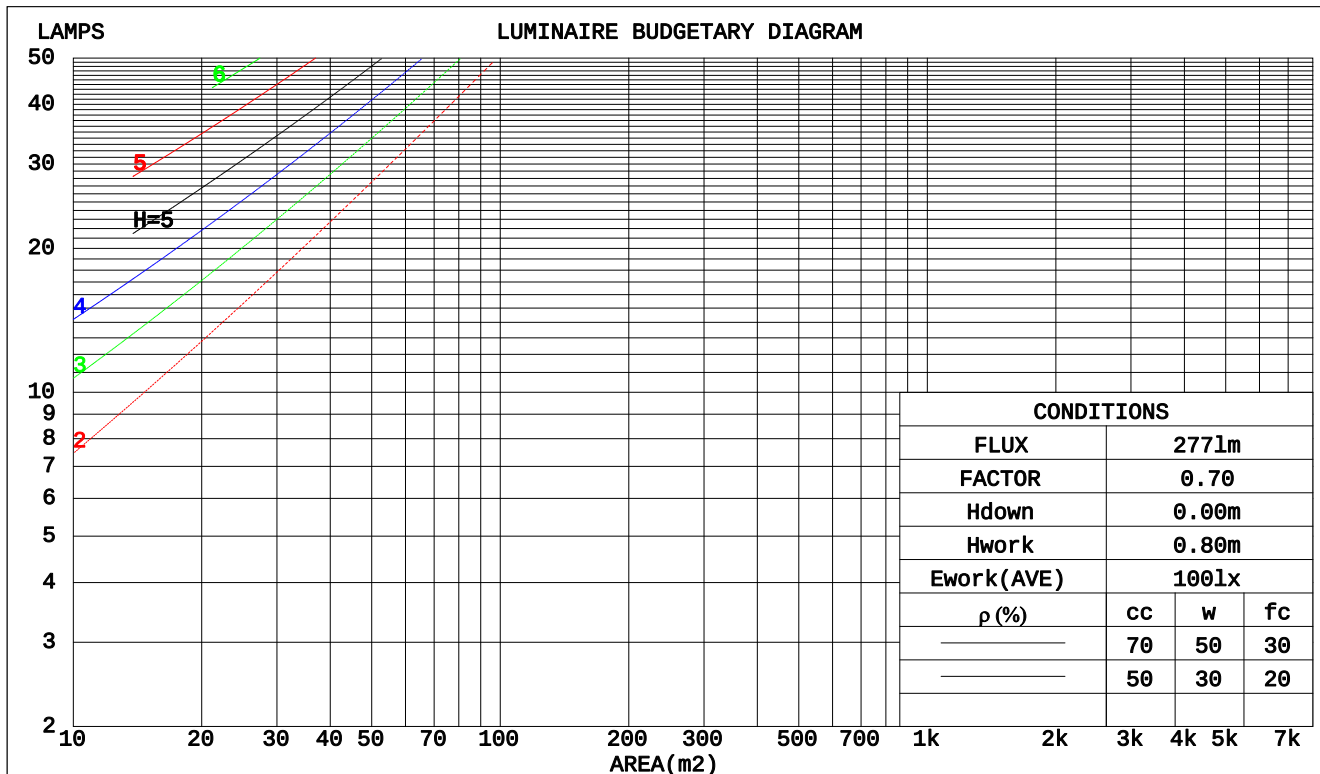
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-W5700-144-3014-1	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	1.17	1.17	1.17	1.14	1.14	1.14	1.09	1.09	1.09	1.03	1.03	1.03	.99	.99	.99	.96
1.0	1.02	.97	.93	.99	.95	.91	.94	.91	.88	.90	.87	.85	.86	.84	.82	.80
2.0	.88	.81	.75	.86	.80	.74	.82	.77	.72	.78	.74	.70	.75	.71	.68	.66
3.0	.77	.69	.62	.75	.68	.62	.72	.66	.60	.69	.63	.59	.66	.61	.57	.55
4.0	.68	.59	.53	.67	.59	.52	.64	.57	.51	.61	.55	.50	.59	.54	.49	.47
5.0	.61	.52	.45	.60	.51	.45	.57	.50	.44	.55	.48	.43	.53	.47	.43	.40
6.0	.55	.46	.39	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.37	.35
7.0	.50	.41	.35	.49	.40	.35	.47	.39	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.44	.36	.31	.43	.36	.30	.42	.35	.30	.40	.34	.30	.28
9.0	.42	.33	.28	.41	.33	.28	.40	.32	.27	.38	.32	.27	.37	.31	.27	.25
10.0	.38	.30	.25	.38	.30	.25	.37	.30	.25	.35	.29	.25	.34	.29	.24	.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-W5700-144-3014-1M	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						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.320	.182	.058	.312	.178	.057	.297	.171	.055	.284	.164	.053	.271	.157	.051		
2.0	.297	.163	.050	.290	.160	.049	.277	.154	.048	.265	.148	.046	.253	.143	.045		
3.0	.272	.145	.043	.266	.143	.043	.255	.138	.042	.244	.134	.041	.234	.130	.040		
4.0	.250	.130	.038	.245	.128	.038	.234	.124	.037	.225	.121	.036	.216	.117	.036		
5.0	.231	.117	.034	.226	.116	.034	.216	.113	.033	.208	.110	.033	.200	.107	.032		
6.0	.213	.107	.031	.209	.106	.030	.201	.103	.030	.193	.100	.029	.186	.098	.029		
7.0	.198	.098	.028	.194	.097	.028	.187	.094	.027	.180	.092	.027	.173	.090	.026		
8.0	.185	.090	.025	.181	.089	.025	.175	.087	.025	.168	.085	.025	.162	.083	.024		
9.0	.173	.084	.023	.170	.083	.023	.164	.081	.023	.158	.079	.023	.153	.078	.022		
10.0	.163	.078	.022	.160	.077	.022	.154	.076	.021	.149	.074	.021	.144	.072	.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	.209	.209	.209	.179	.179	.179	.122	.122	.122	.070	.070	.070	.022	.022	.022		
1.0	.200	.175	.152	.171	.150	.131	.117	.103	.091	.067	.060	.053	.022	.019	.017		
2.0	.192	.151	.117	.165	.130	.101	.113	.090	.070	.065	.052	.041	.021	.017	.013		
3.0	.185	.134	.094	.158	.116	.081	.109	.080	.057	.063	.047	.034	.020	.015	.011		
4.0	.177	.121	.078	.152	.104	.068	.104	.073	.048	.060	.043	.028	.019	.014	.009		
5.0	.170	.111	.067	.146	.096	.058	.100	.067	.041	.058	.039	.024	.019	.013	.008		
6.0	.162	.102	.059	.140	.089	.052	.096	.062	.037	.056	.037	.022	.018	.012	.007		
7.0	.156	.096	.054	.134	.083	.047	.092	.058	.033	.054	.034	.020	.017	.011	.007		
8.0	.149	.090	.049	.128	.078	.043	.089	.055	.030	.052	.032	.018	.017	.011	.006		
9.0	.143	.085	.046	.123	.074	.040	.085	.052	.028	.050	.031	.017	.016	.010	.006		
10.0	.137	.081	.043	.118	.070	.038	.082	.049	.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-W5700-144-3014-1M						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		20.2	21.7	20.5	21.9	22.2	19.7	21.2	20.0	21.4	21.7
	3H	21.8	23.2	22.2	23.5	23.8	21.3	22.7	21.7	23.0	23.3
	4H	22.6	23.9	22.9	24.2	24.5	22.0	23.4	22.4	23.7	24.0
	6H	23.1	24.4	23.5	24.7	25.0	22.6	23.8	22.9	24.1	24.5
	8H	23.3	24.5	23.7	24.9	25.2	22.7	23.9	23.1	24.3	24.6
	12H	23.4	24.6	23.8	24.9	25.3	22.8	24.0	23.2	24.3	24.7
4H	2H	20.7	22.0	21.1	22.3	22.7	20.4	21.7	20.7	22.0	22.3
	3H	22.6	23.7	23.0	24.1	24.4	22.2	23.3	22.6	23.7	24.1
	4H	23.4	24.5	23.8	24.9	25.2	23.0	24.1	23.4	24.4	24.8
	6H	24.1	25.1	24.6	25.5	25.9	23.7	24.6	24.1	25.0	25.4
	8H	24.4	25.2	24.8	25.7	26.1	23.9	24.8	24.3	25.2	25.6
	12H	24.5	25.3	25.0	25.8	26.2	24.0	24.8	24.5	25.3	25.7
8H	4H	23.7	24.5	24.1	25.0	25.4	23.3	24.2	23.8	24.6	25.1
	6H	24.5	25.2	25.0	25.7	26.2	24.1	24.9	24.6	25.3	25.8
	8H	24.8	25.5	25.3	25.9	26.5	24.4	25.1	24.9	25.5	26.0
	12H	25.0	25.6	25.6	26.1	26.6	24.6	25.2	25.2	25.7	26.2
12H	4H	23.7	24.5	24.1	24.9	25.4	23.3	24.1	23.8	24.6	25.0
	6H	24.5	25.2	25.0	25.7	26.2	24.2	24.8	24.7	25.3	25.8
	8H	24.9	25.5	25.4	25.9	26.5	24.5	25.1	25.0	25.6	26.1
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.2					+ 0.1 / - 0.2				
1.5H		+ 0.1 / - 0.2					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 279.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.4)

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-W5700-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

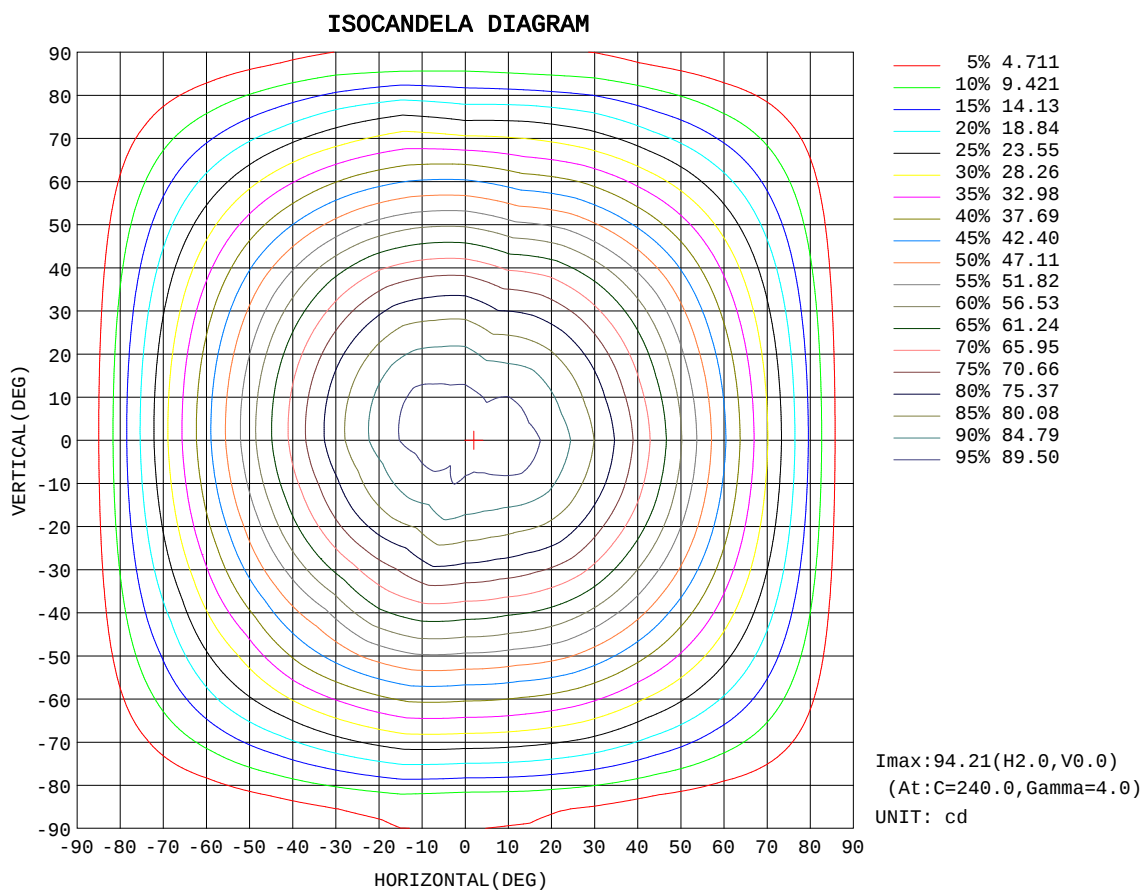
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	65	54	46	64	53	46	62	52	46	39
1.00	74	62	55	72	62	54	70	63	54	47
1.25	81	70	62	79	69	62	76	67	61	53
1.50	85	75	68	84	74	67	80	72	66	58
2.00	92	83	77	90	82	76	87	80	74	66
2.50	96	88	82	94	87	81	90	84	79	70
3.00	100	92	87	97	91	86	93	88	83	74
4.00	104	98	93	101	96	91	97	92	88	79
5.00	106	101	97	104	99	95	99	95	92	82
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-W5700-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

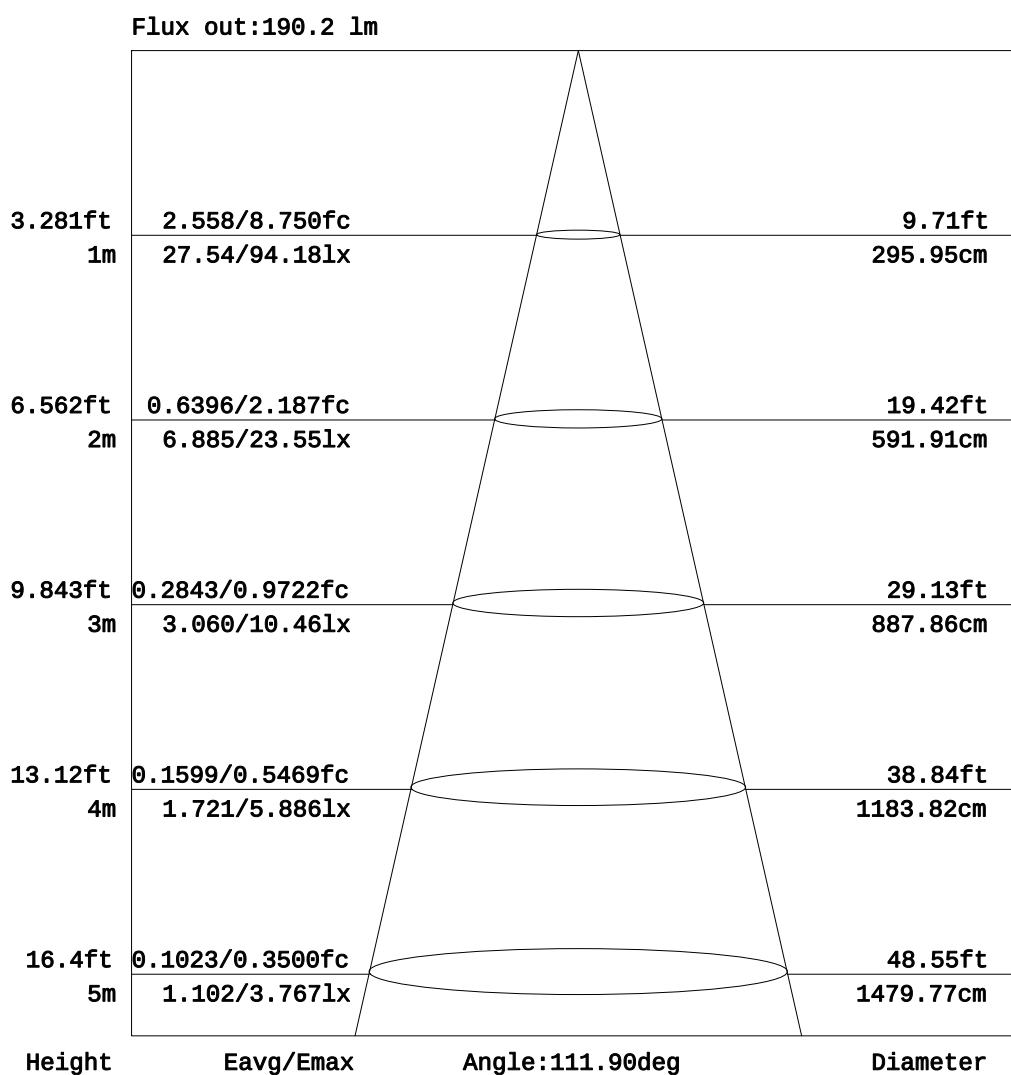


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-W5700-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:



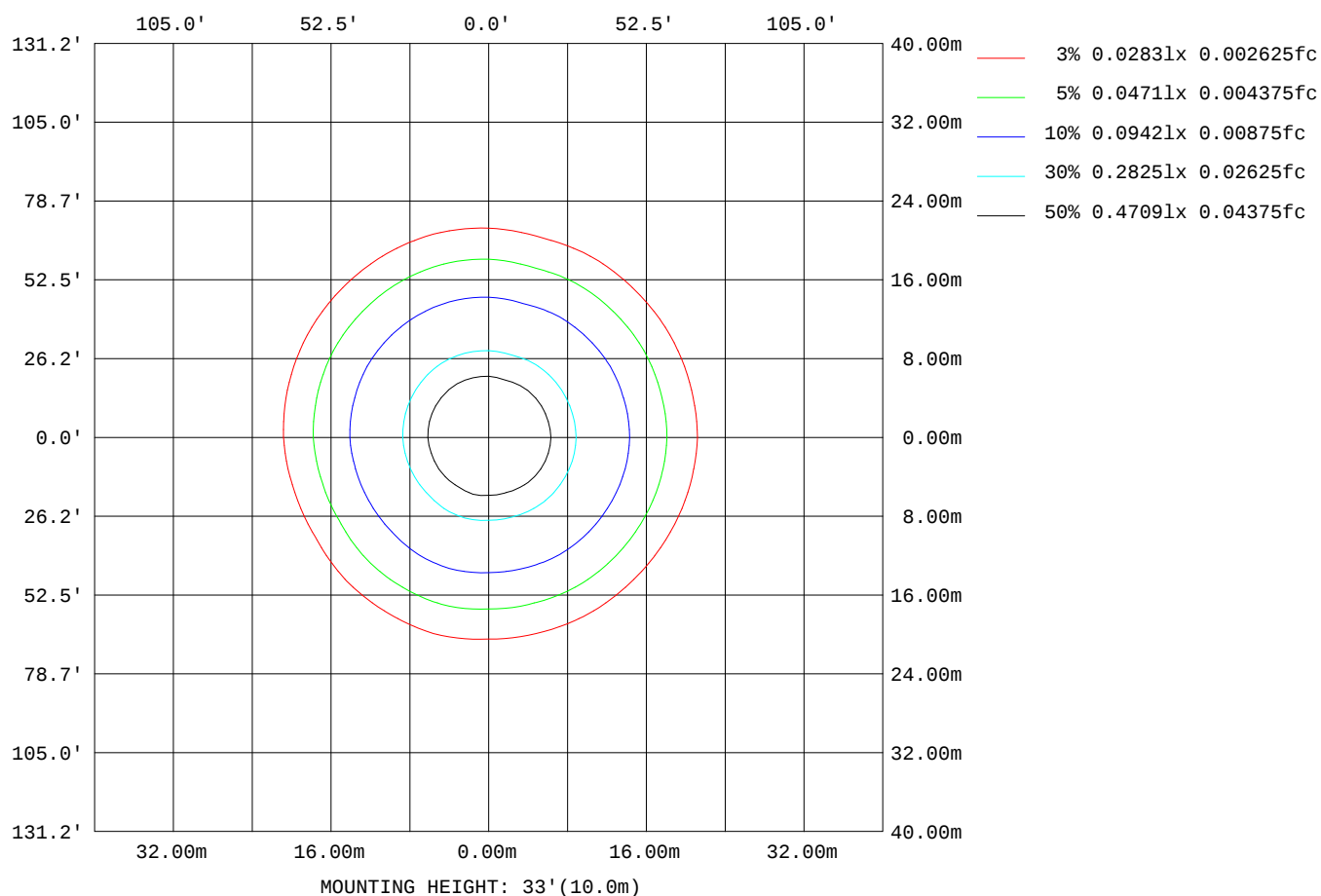
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W5700-144-3014-1M	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-W5700-144-3014-1M	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	279.22	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	8556	8442	8307	8180	8150	8146	8116	7971	7865	7862	8000	8136	8173	7962	7804	7792	7890	8039	8192
60	8441	8298	8141	7997	7957	7949	7928	7816	7731	7732	7872	7977	7982	7888	7718	7564	7655	7835	8023
65	8319	8147	7972	7813	7720	7719	7770	7726	7671	7664	7816	7890	7824	7696	7492	7306	7399	7619	7867
70	8178	7955	7746	7565	7439	7473	7615	7603	7555	7551	7742	7815	7692	7452	7274	7201	7144	7316	7662
75	7966	7695	7426	7190	7073	7134	7308	7352	7323	7313	7575	7648	7439	7118	6957	6950	6753	6892	7345
80	7597	7212	6810	6456	6333	6439	6680	6803	6800	6788	7189	7277	6933	6507	6207	6116	6232	6447	6710
85	6540	5827	5096	4498	4464	4985	5837	6413	6686	6791	7299	7234	6447	5452	4629	4177	4218	4618	5211

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	8556	200	---	500
Category 2	65 to 90	8319	200	---	500
Category 3	75 to 90	7966	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-W5700-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°) γ (°)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4	92.4
5	92.3	92.2	91.8	91.8	91.7	91.7	91.7	91.9	91.9	91.8	91.8	91.8	92.0	92.0	92.4	92.5	92.5	92.5	92.5
10	91.0	90.7	90.3	90.0	89.8	89.7	89.8	90.2	90.1	89.8	90.0	90.0	90.3	90.6	91.1	91.9	91.8	91.6	91.4
15	89.5	89.1	88.8	88.2	87.9	87.7	87.8	88.4	88.3	87.9	88.0	88.1	88.5	88.9	89.6	90.8	90.6	90.3	90.1
20	86.3	85.8	85.6	84.9	84.1	83.7	83.7	84.5	84.4	84.1	84.2	84.4	84.8	85.4	86.2	87.7	87.9	87.3	86.9
25	83.5	82.9	82.6	82.0	81.0	80.4	80.4	81.4	80.9	80.8	81.1	81.3	81.8	82.5	83.4	84.9	85.4	84.7	84.1
30	78.4	77.8	77.3	77.1	75.6	74.7	74.7	75.8	75.2	75.0	75.6	75.9	76.5	77.3	78.2	79.8	80.8	79.9	79.2
35	74.6	73.9	73.1	73.1	71.6	70.6	70.4	71.6	71.6	70.7	71.3	71.8	72.5	73.3	74.3	75.8	77.0	76.4	75.7
40	68.1	67.3	66.3	66.1	65.0	63.8	63.7	64.9	65.9	63.7	64.3	65.1	65.9	66.8	67.8	69.4	70.6	70.2	69.2
45	63.3	62.5	61.4	61.2	60.4	59.3	59.1	60.3	61.4	58.6	59.3	60.3	61.1	62.0	63.1	64.7	65.8	65.2	64.2
50	55.7	54.8	53.7	53.3	53.2	51.7	51.5	52.8	53.8	50.8	51.5	52.4	53.5	54.5	55.7	57.2	57.7	57.5	56.5
55	50.4	49.4	48.3	48.1	47.9	46.6	46.4	47.6	48.3	46.1	46.1	47.0	48.4	49.2	50.6	51.6	52.2	52.1	51.3
60	42.2	41.1	40.0	39.8	39.6	38.8	38.7	39.7	39.9	39.1	37.8	38.7	40.1	41.1	42.3	43.1	43.9	44.2	43.3
65	36.6	35.5	34.4	34.0	34.2	33.8	33.7	34.7	34.4	33.6	32.3	33.1	34.6	35.6	36.6	37.5	38.4	38.9	38.0
70	28.0	26.8	25.9	25.4	26.0	25.9	25.8	26.8	26.3	25.1	24.6	24.5	26.2	27.1	28.0	29.1	30.2	31.3	29.4
75	22.1	21.0	20.1	19.7	20.4	20.4	20.3	21.3	20.7	19.5	19.4	18.8	20.4	21.3	22.2	23.4	24.9	26.3	24.0
80	13.2	12.2	11.2	11.0	11.6	11.9	11.8	12.8	12.0	11.0	10.6	11.0	11.7	12.5	13.5	15.0	17.0	18.1	16.4
85	7.20	6.24	5.34	5.24	6.07	6.59	6.68	7.51	6.66	5.41	4.93	5.18	5.93	6.66	7.82	9.62	11.4	12.3	11.4
90	0.01	0.08	1.01	2.35	3.79	4.62	4.83	4.72	3.90	2.46	1.18	0.46	0.30	0.39	1.55	3.25	4.80	5.14	5.64
95	0.00	0.06	1.06	2.20	3.39	4.06	4.24	4.18	3.54	2.21	1.22	0.44	0.34	0.47	1.39	2.76	3.92	4.84	5.05
100	0.00	0.01	0.89	1.90	2.70	3.16	3.29	3.28	2.53	1.96	1.06	0.31	0.40	0.43	1.38	2.33	3.09	3.65	4.30
105	0.00	0.00	0.63	1.61	2.51	2.79	2.84	2.82	2.42	1.61	0.77	0.20	0.23	0.32	1.21	2.09	2.72	3.09	3.48
110	0.00	0.00	0.57	1.36	2.13	2.65	2.80	2.69	2.13	1.33	0.49	0.02	0.00	0.06	0.82	1.79	2.34	2.48	2.64
115	0.00	0.00	0.54	1.35	2.11	2.55	2.66	2.57	2.07	1.09	0.47	0.00	0.00	0.00	0.64	1.45	2.42	2.68	2.76
120	0.00	0.00	0.37	1.23	1.97	2.34	2.46	2.41	1.59	0.95	0.42	0.00	0.00	0.00	0.43	1.19	2.03	2.79	2.85
125	0.00	0.00	0.32	1.12	1.77	2.20	2.29	2.14	1.34	0.87	0.37	0.00	0.00	0.00	0.26	1.01	1.79	2.65	2.59
130	0.00	0.00	0.09	0.82	1.41	1.72	1.77	1.65	1.10	0.66	0.20	0.00	0.00	0.00	0.14	0.59	1.27	2.04	2.13
135	0.00	0.00	0.02	0.59	1.09	1.34	1.53	1.34	0.88	0.50	0.14	0.00	0.02	0.00	0.07	0.39	0.84	1.49	1.63
140	0.00	0.02	0.04	0.22	0.69	1.00	1.11	0.87	0.54	0.30	0.03	0.02	0.03	0.02	0.05	0.26	0.48	0.78	0.91
145	0.03	0.03	0.06	0.08	0.38	0.72	0.85	0.60	0.41	0.18	0.03	0.04	0.06	0.03	0.04	0.14	0.37	0.52	0.81
150	0.05	0.06	0.08	0.07	0.09	0.28	0.39	0.35	0.16	0.07	0.07	0.07	0.08	0.07	0.06	0.08	0.15	0.26	0.47
155	0.07	0.08	0.10	0.09	0.09	0.08	0.13	0.13	0.08	0.07	0.08	0.09	0.10	0.08	0.07	0.07	0.10	0.11	0.25
160	0.10	0.10	0.13	0.12	0.11	0.11	0.10	0.09	0.09	0.10	0.11	0.11	0.11	0.10	0.11	0.09	0.08	0.07	0.07
165	0.11	0.12	0.14	0.13	0.13	0.12	0.12	0.11	0.12	0.11	0.12	0.13	0.13	0.12	0.12	0.11	0.11	0.10	0.09
170	0.14	0.14	0.16	0.16	0.15	0.14	0.15	0.15	0.14	0.14	0.14	0.15	0.15	0.15	0.15	0.14	0.14	0.14	0.12
175	0.15	0.15	0.18	0.17	0.17	0.16	0.16	0.17	0.15	0.15	0.16	0.16	0.16	0.16	0.15	0.16	0.16	0.16	0.14
180	0.18	0.17	0.20	0.18	0.17	0.18	0.17	0.20	0.16	0.17	0.17	0.17	0.18	0.17	0.16	0.19	0.18	0.17	0.16

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-W5700-144-3014-1	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	92.4	92.4	92.4	92.4	92.4														
5	92.2	92.4	92.4	92.4	92.3														
10	90.5	91.2	91.3	91.3	91.2														
15	88.5	89.8	89.8	89.9	89.8														
20	84.5	86.6	86.7	86.7	86.6														
25	81.4	83.9	83.9	83.9	83.8														
30	76.5	79.1	78.9	78.8	78.8														
35	72.9	75.5	75.0	75.0	74.8														
40	66.7	69.4	68.7	68.5	68.4														
45	61.6	64.7	64.0	63.9	63.7														
50	54.1	56.7	56.4	56.4	56.1														
55	48.9	51.3	50.8	51.3	50.8														
60	41.2	43.0	42.4	42.7	42.5														
65	36.1	37.5	36.8	37.0	36.9														
70	29.0	29.3	28.3	28.2	28.2														
75	24.2	24.2	22.7	22.4	22.3														
80	16.2	16.2	14.4	13.6	13.3														
85	10.8	10.7	9.13	7.92	7.44														
90	5.34	4.74	3.21	1.59	0.37														
95	4.79	4.25	2.90	1.45	0.18														
100	4.08	3.70	2.60	1.39	0.20														
105	3.34	3.12	2.28	1.25	0.15														
110	2.71	2.50	1.91	0.95	0.00														
115	2.94	2.59	1.75	0.84	0.00														
120	3.00	2.46	1.59	0.58	0.00														
125	2.62	2.34	1.46	0.34	0.00														
130	2.00	1.87	0.97	0.18	0.00														
135	1.31	1.37	0.61	0.06	0.00														
140	0.60	0.74	0.33	0.01	0.00														
145	0.59	0.54	0.17	0.03	0.03														
150	0.37	0.20	0.06	0.05	0.06														
155	0.18	0.10	0.07	0.07	0.07														
160	0.10	0.09	0.10	0.10	0.10														
165	0.12	0.11	0.11	0.11	0.12														
170	0.15	0.13	0.13	0.14	0.14														
175	0.17	0.15	0.15	0.16	0.15														
180	0.19	0.17	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: