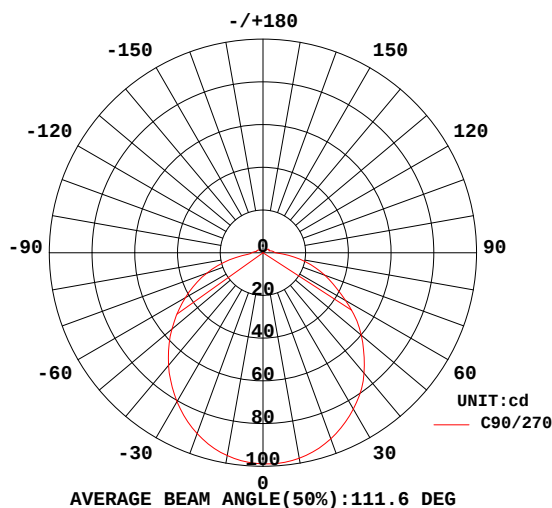


LUMINAIRE PHOTOMETRIC TEST REPORT

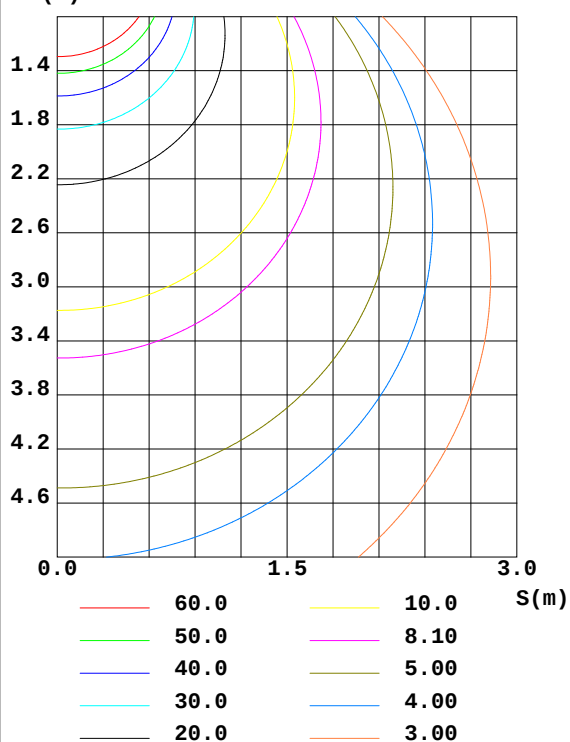
NAME: C-SFR-F23B-VB-D24CV-W3000-144-3014-1M	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:
MFR.:	SUR.: 10*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 70.36 lm/W
MODEL	3014	I _{max} (cd)	98.99	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	4.5	LOR(%)	101.2	S/MH(C90/270)	1.22	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	296.37	η UP, DN(C0-180)	1.2, 48.2	
NOMINAL FLUX(lm)	292.81	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.5, 50.3	
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	98.5	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	97.45	96.57	96.42	96.60	96.56	98.17	97.67	97.40	0- 10	9.352	9.352	3.16, 3.19
20	92.38	91.33	90.09	90.80	90.75	93.64	92.73	92.19	10- 20	26.75	36.10	12.2, 12.3
30	84.01	83.08	80.53	81.33	81.87	85.05	84.53	83.64	20- 30	40.39	76.50	25.8, 26.1
40	72.94	71.46	68.79	69.21	70.43	73.88	73.59	72.56	30- 40	48.54	125.0	42.2, 42.7
50	59.79	57.79	55.73	55.36	57.24	60.67	60.06	59.19	40- 50	50.32	175.4	59.2, 59.9
60	45.28	43.12	41.88	42.74	42.89	45.73	44.63	44.29	50- 60	45.83	221.2	74.6, 75.5
70	30.02	27.66	28.05	27.87	27.97	30.73	30.82	29.24	60- 70	36.23	257.4	86.9, 87.9
80	14.10	12.27	12.98	12.74	12.28	15.61	17.60	14.23	70- 80	22.94	280.4	94.6, 95.7
90	0.0088	2.709	5.352	2.719	0.2787	3.287	5.955	3.181	80- 90	7.983	288.3	97.3, 98.5
100	0	2.036	3.524	2.108	0.3650	2.460	4.545	2.700	90-100	2.753	291.1	98.2, 99.4
110	0	1.464	3.047	1.423	0.0203	1.966	2.932	2.041	100-110	1.923	293.0	98.9, 100
120	0	1.162	2.627	0.9513	0	1.444	3.249	1.728	110-120	1.475	294.5	99.4, 101
130	0	0.8680	1.740	0.7294	0.0000	0.7080	2.391	0.9599	120-130	1.047	295.5	99.7, 101
140	0.0280	0.2625	1.164	0.3724	0.0486	0.1980	1.011	0.2508	130-140	0.4972	296.0	99.9, 101
150	0.0816	0.1507	0.4237	0.1667	0.0996	0.0937	0.5354	0.0834	140-150	0.1947	296.2	100, 101
160	0.1327	0.1508	0.1866	0.1460	0.1405	0.1274	0.1261	0.1277	150-160	0.0729	296.3	100, 101
170	0.1711	0.1924	0.1943	0.1903	0.1814	0.1768	0.1708	0.1798	160-170	0.0453	296.4	100, 101
180	0.2018	0.2158	0.2312	0.2215	0.2018	0.2132	0.2206	0.2163	170-180	0.0188	296.4	100, 101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

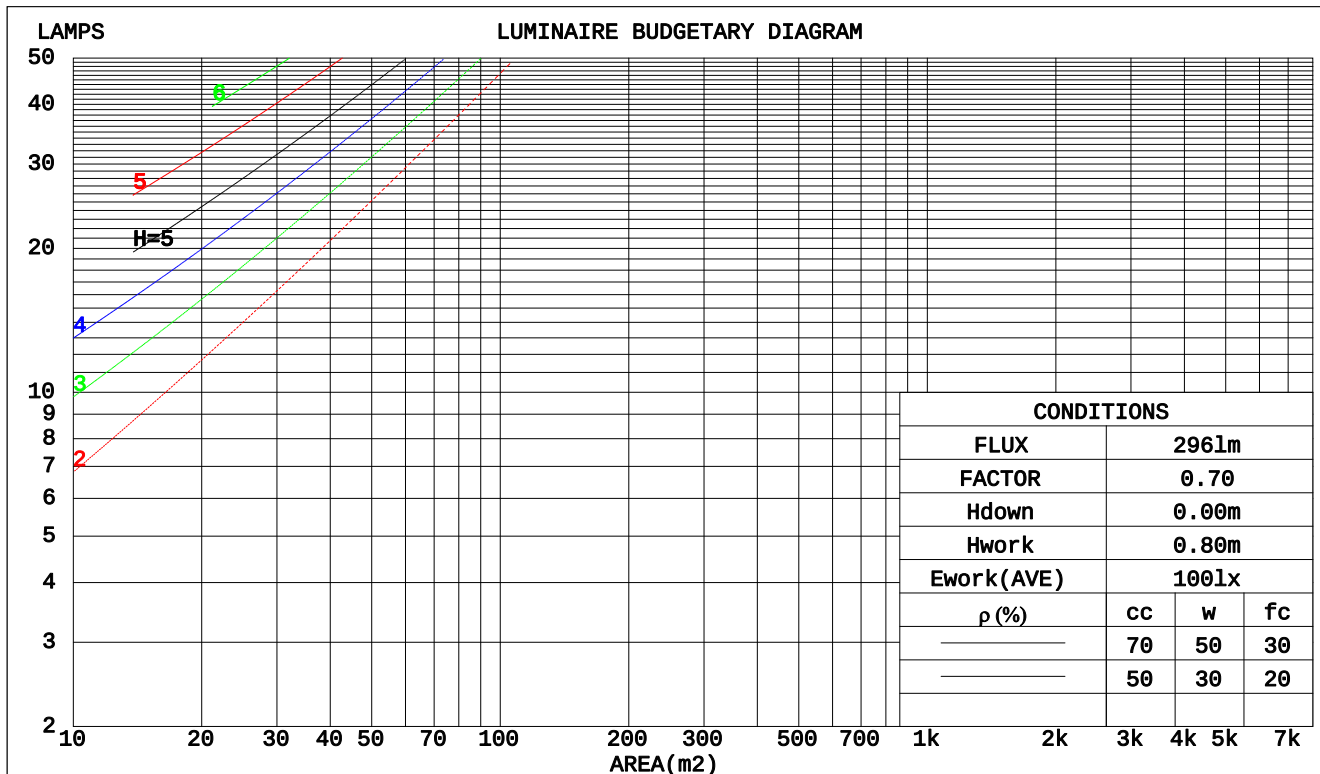
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-W3000-144-3014-1M	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	.76	.72	.77	.73	.70	.67
3.0	.79	.70	.64	.77	.69	.63	.74	.67	.61	.70	.65	.60	.68	.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	.50	.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	.39	.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-W3000-144-3014-1M	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	.186	.059	.318	.182	.058	.303	.174	.056	.289	.167	.054	.277	.160	.052		
2.0	.303	.166	.051	.296	.163	.050	.282	.157	.049	.270	.151	.047	.259	.146	.046		
3.0	.278	.148	.044	.272	.146	.044	.260	.141	.043	.249	.136	.042	.239	.132	.041		
4.0	.255	.133	.039	.250	.131	.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	.218	.109	.031	.213	.108	.031	.205	.105	.031	.197	.102	.030	.189	.100	.030		
7.0	.202	.100	.028	.198	.099	.028	.191	.096	.028	.184	.094	.027	.177	.092	.027		
8.0	.189	.092	.026	.185	.091	.026	.178	.089	.025	.172	.087	.025	.166	.085	.025		
9.0	.177	.085	.024	.173	.085	.024	.167	.083	.023	.161	.081	.023	.156	.079	.023		
10.0	.166	.080	.022	.163	.079	.022	.157	.077	.022	.152	.076	.021	.147	.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	.214	.214	.214	.183	.183	.183	.125	.125	.125	.072	.072	.072	.023	.023	.023	
1.0	.204	.179	.156	.175	.154	.134	.120	.106	.093	.069	.061	.054	.022	.020	.017	
2.0	.197	.155	.120	.168	.133	.103	.115	.092	.072	.067	.054	.042	.021	.017	.014	
3.0	.189	.137	.096	.162	.118	.083	.111	.082	.058	.064	.048	.034	.021	.016	.011	
4.0	.181	.124	.080	.155	.107	.069	.107	.074	.049	.062	.044	.029	.020	.014	.010	
5.0	.173	.113	.069	.149	.098	.060	.103	.068	.042	.059	.040	.025	.019	.013	.008	
6.0	.166	.105	.061	.143	.091	.053	.098	.064	.038	.057	.037	.022	.018	.012	.007	
7.0	.159	.098	.055	.137	.085	.048	.095	.060	.034	.055	.035	.020	.018	.011	.007	
8.0	.152	.092	.051	.131	.080	.044	.091	.056	.031	.053	.033	.019	.017	.011	.006	
9.0	.146	.087	.047	.126	.076	.041	.087	.053	.029	.051	.031	.017	.016	.010	.006	
10.0	.140	.083	.044	.121	.072	.039	.084	.051	.028	.049	.030	.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-W3000-144-3014-1M						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	20.4	21.9	20.8	22.2	22.5	20.0	21.5	20.3	21.8	22.0					
3H	22.1	23.5	22.5	23.8	24.1	21.7	23.0	22.0	23.3	23.6					
4H	22.8	24.2	23.2	24.5	24.8	22.4	23.7	22.7	24.0	24.3					
6H	23.4	24.6	23.8	25.0	25.3	22.9	24.2	23.3	24.5	24.8					
8H	23.6	24.8	24.0	25.1	25.5	23.1	24.3	23.4	24.6	24.9					
12H	23.7	24.8	24.1	25.2	25.5	23.2	24.3	23.6	24.7	25.0					
4H 2H	21.0	22.3	21.4	22.6	22.9	20.7	22.0	21.0	22.3	22.6					
3H	22.9	24.0	23.3	24.4	24.7	22.5	23.7	22.9	24.0	24.4					
4H	23.7	24.8	24.1	25.1	25.5	23.4	24.4	23.8	24.8	25.2					
6H	24.4	25.3	24.8	25.7	26.2	24.0	25.0	24.5	25.4	25.8					
8H	24.6	25.5	25.1	25.9	26.4	24.2	25.1	24.7	25.5	26.0					
12H	24.8	25.6	25.2	26.0	26.5	24.4	25.2	24.9	25.6	26.1					
8H 4H	24.0	24.8	24.4	25.3	25.7	23.7	24.5	24.1	25.0	25.4					
6H	24.8	25.5	25.3	26.0	26.5	24.5	25.2	25.0	25.7	26.2					
8H	25.1	25.8	25.6	26.2	26.7	24.8	25.4	25.3	25.9	26.4					
12H	25.3	25.9	25.8	26.4	26.9	25.0	25.6	25.5	26.1	26.6					
12H 4H	24.0	24.8	24.4	25.2	25.7	23.7	24.5	24.1	24.9	25.4					
6H	24.8	25.5	25.3	26.0	26.5	24.5	25.2	25.0	25.7	26.2					
8H	25.2	25.7	25.7	26.2	26.8	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 / - 0.2					+ 0.2 / - 0.3									
2.0H	+ 0.2 / - 0.2					+ 0.1 / - 0.3									

CIE Pub.117 Corrected 292.8 lm Total Lamp Luminous Flux.(8log(F/F0) = -4.3)

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-W3000-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

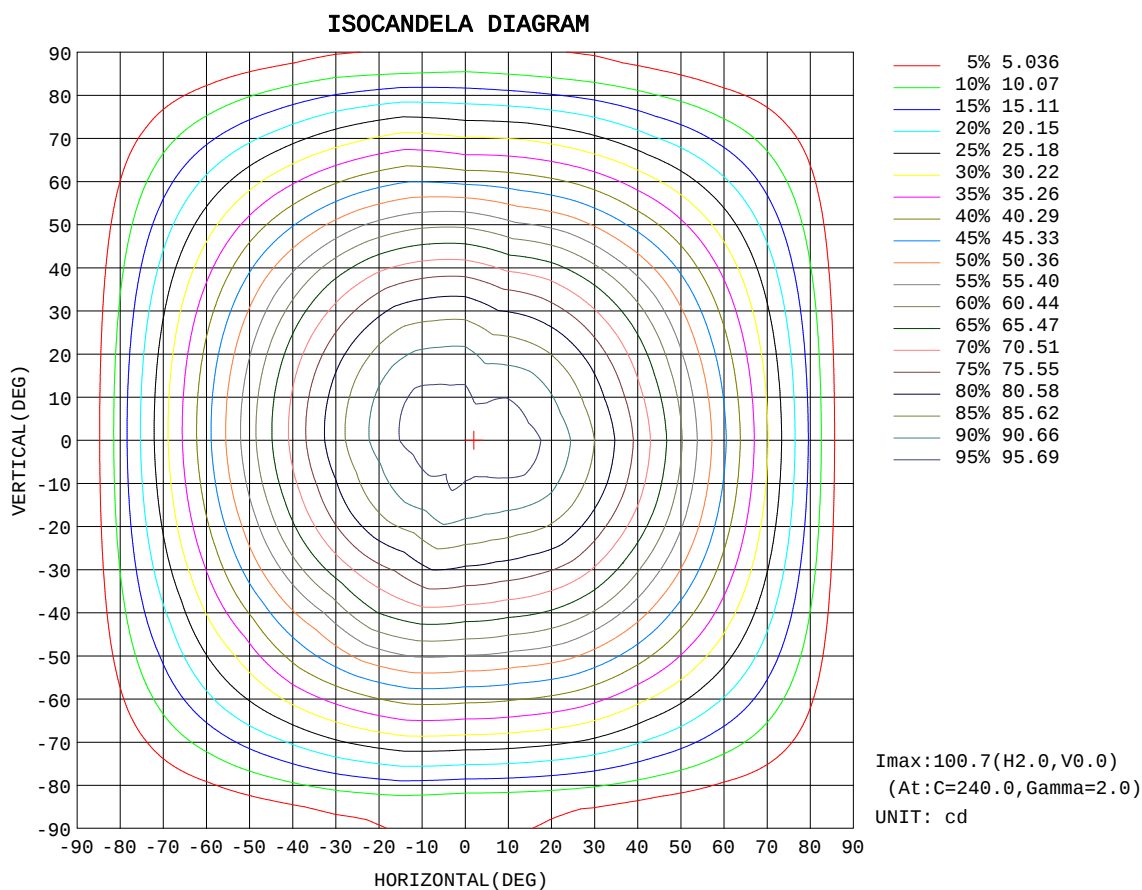
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	53	47	39
1.00	75	64	56	74	63	56	71	64	55	48
1.25	82	71	64	81	70	63	78	69	62	55
1.50	87	77	70	85	76	69	82	74	68	60
2.00	94	85	78	92	84	78	88	81	76	67
2.50	98	90	84	96	89	83	92	86	81	71
3.00	102	94	89	99	93	87	95	89	85	76
4.00	106	100	95	103	98	93	99	94	90	80
5.00	109	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-W3000-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

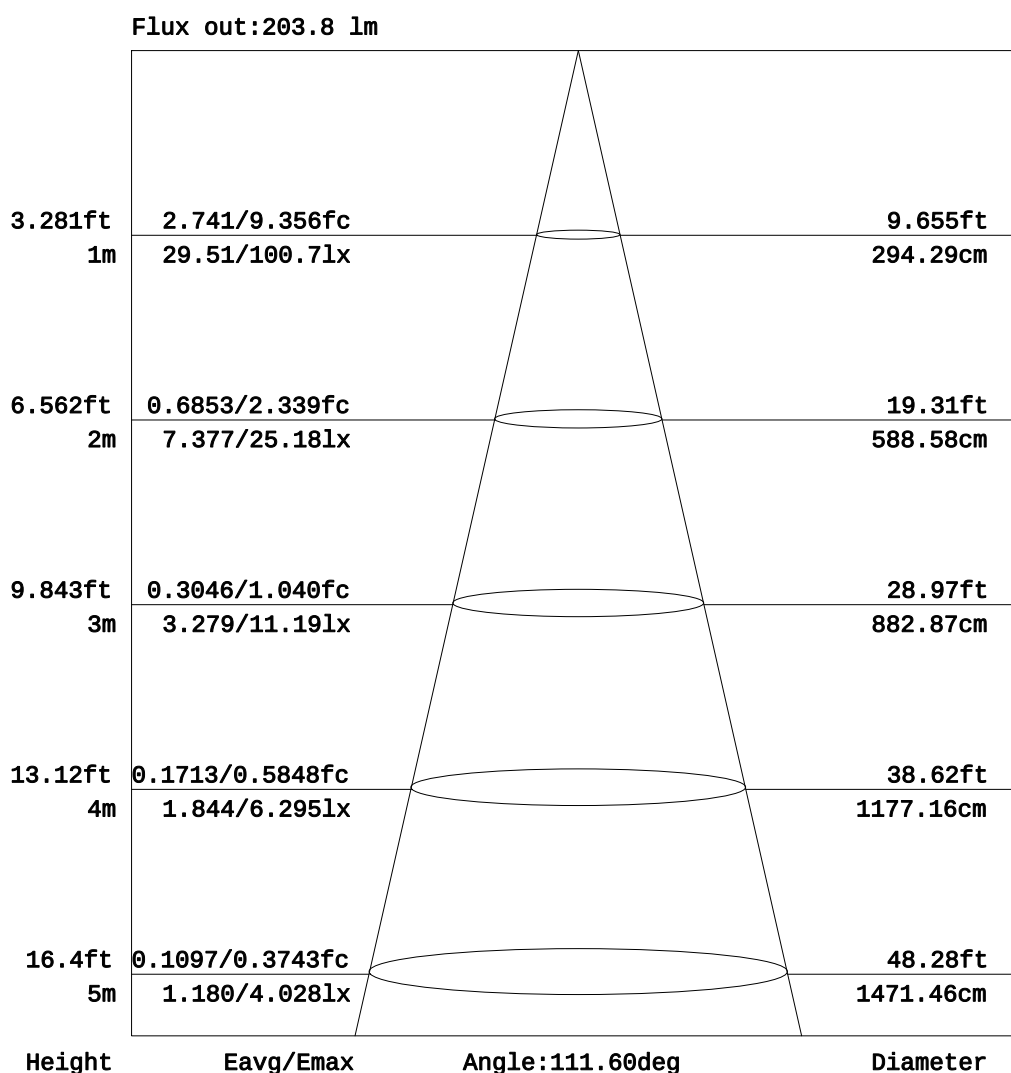


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-08-15

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-W3000-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:



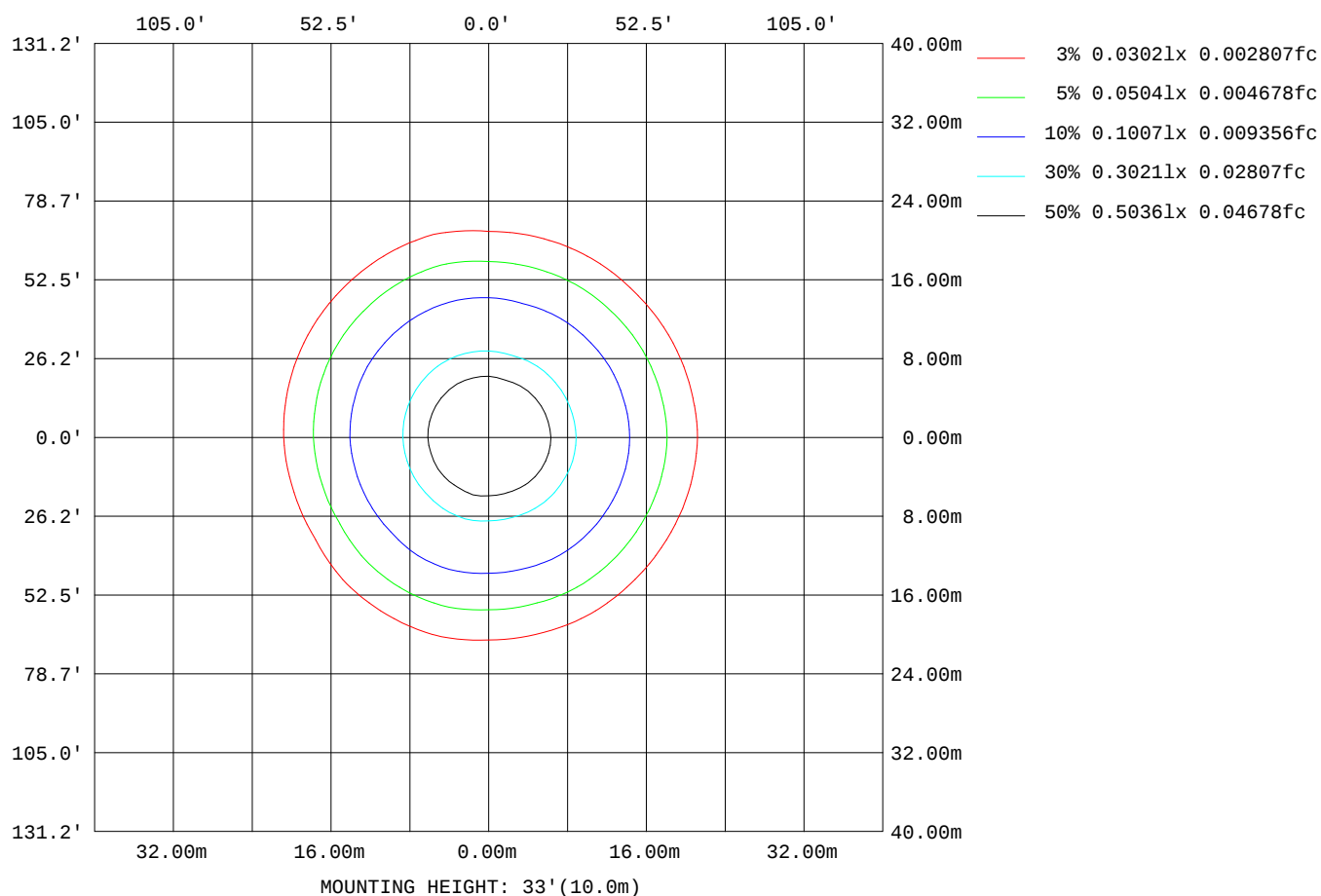
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W3000-144-3014-1M	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-W3000-144-3014-1M	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	292.81	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	9180	9074	8951	8835	8811	8812	8782	8615	8496	8508	8705	8895	8943	8646	8457	8477	8547	8647	8753
60	9056	8922	8775	8645	8623	8625	8598	8461	8362	8376	8579	8736	8759	8639	8429	8236	8302	8440	8577
65	8924	8765	8598	8448	8378	8394	8443	8369	8297	8309	8532	8661	8617	8495	8235	7956	8031	8213	8400
70	8776	8567	8362	8184	8092	8152	8296	8261	8195	8201	8469	8608	8514	8277	8040	7869	7766	7888	8178
75	8552	8277	8012	7796	7739	7843	8021	8021	7973	7993	8332	8507	8378	8024	7786	7686	7378	7426	7826
80	8118	7713	7330	7032	7012	7165	7379	7445	7430	7473	7977	8218	8016	7569	7155	6906	6889	6951	7073
85	6793	6150	5506	5016	5136	5719	6523	7026	7258	7395	8046	8249	7753	6785	5793	5061	4888	4970	5219

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	9180	200	---	500
Category 2	65 to 90	8924	200	---	500
Category 3	75 to 90	8552	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-W3000-144-3014-1M	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	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9	98.9
5	98.7	98.7	98.4	98.3	98.3	98.3	98.3	98.9	98.5	98.4	98.4	98.4	98.4	98.5	98.9	98.9	99.0	98.9	98.9
10	97.4	97.3	96.9	96.6	96.4	96.3	96.4	97.4	96.9	96.6	96.5	96.5	96.6	96.8	97.5	98.2	98.1	97.9	97.7
15	95.8	95.6	95.3	94.8	94.4	94.3	94.4	95.6	95.1	94.7	94.6	94.5	94.7	95.0	95.8	97.0	96.8	96.5	96.2
20	92.4	92.1	92.0	91.3	90.5	90.0	90.1	91.5	91.1	90.8	90.7	90.6	90.7	91.2	92.1	93.6	93.8	93.3	92.7
25	89.4	89.0	88.9	88.3	87.1	86.5	86.6	88.2	87.4	87.4	87.4	87.3	87.5	88.0	89.0	90.5	91.1	90.4	89.8
30	84.0	83.5	83.2	83.1	81.4	80.5	80.5	82.3	81.2	81.3	81.6	81.6	81.9	82.5	83.5	85.0	86.1	85.3	84.5
35	79.9	79.4	78.8	78.9	77.2	76.0	76.0	77.8	76.9	76.7	77.2	77.3	77.5	78.2	79.3	80.8	82.0	81.4	80.7
40	72.9	72.4	71.5	71.5	70.3	69.0	68.8	70.7	70.9	69.2	69.7	70.1	70.4	71.2	72.3	73.9	75.2	74.7	73.6
45	67.9	67.2	66.2	66.2	65.3	63.8	63.7	65.5	66.7	63.8	64.3	64.9	65.3	66.1	67.3	68.9	69.9	69.3	68.2
50	59.8	58.9	57.9	57.8	57.4	55.9	55.7	57.5	58.5	55.4	55.9	56.6	57.2	58.1	59.3	60.7	61.3	61.1	60.1
55	54.1	53.2	52.1	52.0	51.8	50.3	50.2	51.9	52.7	50.0	50.1	50.8	51.7	52.5	53.8	54.7	55.5	55.5	54.4
60	45.3	44.3	43.2	43.1	43.0	42.0	41.9	43.4	43.8	42.7	41.2	41.9	42.9	43.8	44.9	45.7	46.6	47.0	44.6
65	39.2	38.2	37.2	36.9	37.1	36.6	36.5	37.9	37.9	37.0	35.1	35.9	37.0	37.9	38.9	39.8	40.7	41.3	38.6
70	30.0	29.0	28.0	27.7	28.4	28.1	28.1	29.4	29.1	27.9	26.9	26.6	28.0	28.8	29.7	30.7	31.9	33.2	30.8
75	23.7	22.7	21.7	21.6	22.3	22.2	22.2	23.5	23.2	21.8	21.4	20.4	21.8	22.6	23.5	24.7	26.4	27.7	25.6
80	14.1	13.1	12.2	12.3	12.8	12.9	13.0	14.2	13.9	12.7	12.0	12.0	12.3	13.1	14.2	15.6	17.5	18.5	17.6
85	7.55	6.67	5.89	6.01	6.77	7.17	7.29	8.36	7.96	6.72	5.83	5.75	6.03	6.76	7.97	9.73	11.4	12.0	12.1
90	0.01	0.15	1.22	2.71	4.27	5.13	5.35	5.28	4.36	2.72	1.28	0.50	0.28	0.43	1.65	3.29	4.77	5.62	5.96
95	0.00	0.09	1.16	2.48	3.74	4.46	4.66	4.66	3.96	2.47	1.31	0.49	0.34	0.50	1.48	2.87	4.19	4.99	5.30
100	0.00	0.02	0.97	2.04	2.87	3.36	3.52	3.52	2.70	2.11	1.12	0.36	0.36	0.46	1.43	2.46	3.38	3.91	4.54
105	0.00	0.00	0.72	1.81	2.69	3.01	3.06	3.03	2.57	1.75	0.86	0.26	0.25	0.35	1.26	2.23	2.95	3.32	3.77
110	0.00	0.00	0.60	1.46	2.31	2.89	3.05	2.89	2.29	1.42	0.53	0.04	0.02	0.08	0.98	1.97	2.59	2.79	2.93
115	0.00	0.00	0.44	1.40	2.24	2.71	2.84	2.72	2.17	1.15	0.46	0.01	0.00	0.00	0.78	1.72	2.66	3.07	3.12
120	0.00	0.00	0.41	1.16	2.00	2.48	2.63	2.57	1.63	0.95	0.45	0.00	0.00	0.00	0.46	1.44	2.43	3.15	3.25
125	0.00	0.00	0.34	1.09	1.72	2.18	2.37	2.26	1.37	0.92	0.40	0.00	0.00	0.00	0.35	1.19	2.12	2.98	3.01
130	0.00	0.00	0.15	0.87	1.41	1.68	1.74	1.64	1.14	0.73	0.27	0.01	0.00	0.00	0.12	0.71	1.44	2.23	2.39
135	0.00	0.01	0.11	0.63	1.15	1.37	1.50	1.34	0.94	0.57	0.19	0.03	0.02	0.01	0.08	0.49	0.99	1.67	1.68
140	0.03	0.05	0.09	0.26	0.74	1.08	1.16	0.90	0.65	0.37	0.11	0.06	0.05	0.04	0.06	0.20	0.59	1.00	1.01
145	0.05	0.07	0.08	0.19	0.40	0.78	0.94	0.69	0.50	0.27	0.10	0.08	0.07	0.07	0.05	0.16	0.34	0.69	1.03
150	0.08	0.10	0.10	0.15	0.24	0.34	0.42	0.41	0.28	0.17	0.09	0.11	0.10	0.10	0.10	0.09	0.18	0.25	0.54
155	0.10	0.11	0.12	0.12	0.19	0.25	0.27	0.25	0.19	0.15	0.12	0.13	0.12	0.11	0.11	0.11	0.12	0.15	0.35
160	0.13	0.14	0.14	0.15	0.15	0.17	0.19	0.17	0.13	0.15	0.15	0.16	0.14	0.15	0.13	0.13	0.12	0.12	0.13
165	0.15	0.16	0.16	0.17	0.17	0.17	0.17	0.15	0.15	0.16	0.16	0.18	0.16	0.16	0.15	0.15	0.14	0.14	0.14
170	0.17	0.18	0.18	0.19	0.19	0.20	0.19	0.18	0.19	0.19	0.18	0.19	0.18	0.19	0.18	0.18	0.18	0.17	0.17
175	0.19	0.20	0.20	0.20	0.20	0.21	0.21	0.21	0.20	0.20	0.20	0.21	0.19	0.20	0.20	0.19	0.20	0.20	0.19
180	0.20	0.21	0.22	0.22	0.22	0.23	0.23	0.23	0.22	0.22	0.21	0.22	0.20	0.21	0.22	0.21	0.22	0.22	0.22

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-W3000-144-3014-1	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	98.9	98.9	98.9	98.9	98.9														
5	98.1	98.7	98.8	98.8	98.8														
10	95.9	97.3	97.4	97.5	97.5														
15	93.9	95.6	95.7	95.9	95.9														
20	90.3	92.1	92.2	92.3	92.4														
25	87.3	89.1	89.1	89.3	89.4														
30	82.1	83.9	83.6	83.9	84.0														
35	78.2	79.9	79.4	79.7	79.8														
40	71.3	73.3	72.6	72.7	72.9														
45	65.9	68.1	67.6	67.7	67.8														
50	57.8	59.6	59.2	59.7	59.7														
55	52.3	53.9	53.3	54.0	54.0														
60	44.1	44.9	44.3	44.9	45.2														
65	38.6	39.1	38.3	38.8	39.2														
70	30.8	30.3	29.2	29.4	29.8														
75	25.5	24.8	23.1	23.1	23.5														
80	16.7	16.0	14.2	13.7	13.8														
85	11.0	10.1	8.51	7.56	7.39														
90	5.56	4.75	3.18	1.57	0.35														
95	5.04	4.37	2.96	1.48	0.23														
100	4.37	3.87	2.70	1.43	0.23														
105	3.68	3.33	2.42	1.30	0.17														
110	3.06	2.75	2.04	1.03	0.00														
115	3.31	2.86	1.93	0.90	0.00														
120	3.34	2.73	1.73	0.53	0.00														
125	2.95	2.57	1.48	0.36	0.00														
130	2.20	1.90	0.96	0.13	0.00														
135	1.35	1.40	0.65	0.06	0.00														
140	0.75	0.84	0.25	0.03	0.03														
145	0.73	0.50	0.14	0.05	0.06														
150	0.36	0.20	0.08	0.08	0.09														
155	0.21	0.13	0.11	0.11	0.11														
160	0.15	0.13	0.13	0.13	0.14														
165	0.16	0.15	0.15	0.16	0.16														
170	0.20	0.17	0.18	0.18	0.19														
175	0.22	0.19	0.20	0.19	0.19														
180	0.23	0.22	0.22	0.21	0.22														

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: