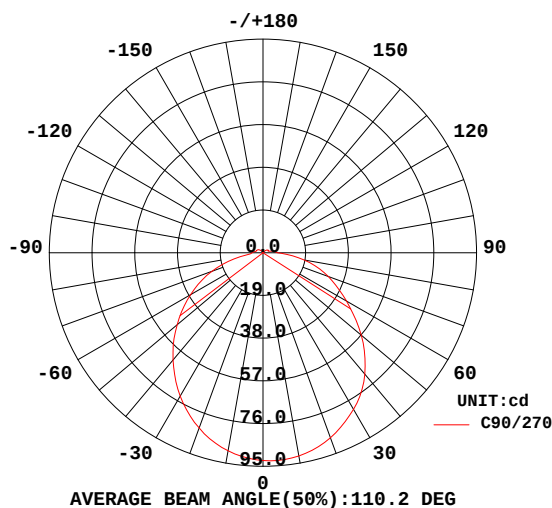


LUMINAIRE PHOTOMETRIC TEST REPORT

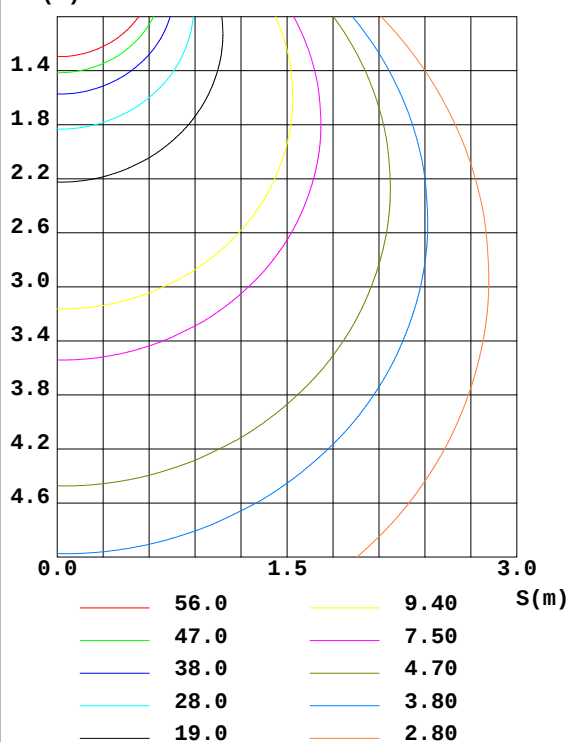
NAME: C-SFR-F23B-VB-D24CV-W4000-144-3014-1M	WEIGHT:0.126kg/m	
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 64.68 lm/W
MODEL	3014	I _{max} (cd)	92.79	S/MH(C0/180)	1.26	
NOMINAL POWER(W)	4.5	LOR(%)	99.4	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	276.77	η UP, DN(C0-180)	1.3, 45.9	
NOMINAL FLUX(lm)	278.34	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.4, 50.8	
LAMPS INSIDE	1	η up(%)	2.7	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	96.7	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	89.70	89.45	89.81	90.54	92.30	91.78	91.34	0- 10	8.739	8.739	3.16, 3.14
20	86.12	84.24	82.99	84.00	85.21	88.28	87.61	86.76	10- 20	24.99	33.73	12.2, 12.1
30	78.18	75.95	73.63	74.85	76.98	80.76	80.47	79.07	20- 30	37.71	71.43	25.8, 25.7
40	67.71	64.61	62.24	63.42	66.41	70.86	70.45	69.12	30- 40	45.31	116.7	42.2, 41.9
50	55.37	51.62	49.82	50.40	54.14	58.59	57.11	56.54	40- 50	46.92	163.7	59.1, 58.8
60	41.80	37.93	37.12	38.55	40.64	44.24	42.83	42.44	50- 60	42.62	206.3	74.5, 74.1
70	27.67	23.69	24.22	24.51	26.56	30.36	30.95	28.70	60- 70	33.75	240.0	86.7, 86.2
80	13.04	9.472	10.23	10.35	11.90	16.45	18.63	15.18	70- 80	21.46	261.5	94.5, 93.9
90	0.0084	2.393	4.977	2.594	0.3120	3.808	6.523	3.596	80- 90	7.751	269.2	97.3, 96.7
100	0	2.029	3.569	2.118	0.3657	2.513	4.351	2.604	90-100	2.771	272.0	98.3, 97.7
110	0	1.497	3.142	1.502	0.1198	1.591	2.416	1.683	100-110	1.819	273.8	98.9, 98.4
120	0	1.359	2.700	1.064	0	0.9178	2.525	1.341	110-120	1.347	275.2	99.4, 98.9
130	0	0.8284	1.913	0.7326	0.0000	0.4577	1.656	0.6109	120-130	0.9153	276.1	99.8, 99.2
140	0.0255	0.2414	1.181	0.3571	0.0435	0.1277	0.7576	0.1441	130-140	0.4208	276.5	99.9, 99.3
150	0.0716	0.0909	0.4599	0.1042	0.0870	0.0286	0.3299	0.0417	140-150	0.1596	276.7	100, 99.4
160	0.1176	0.1196	0.1207	0.1017	0.1305	0.0753	0.0997	0.0860	150-160	0.0497	276.7	100, 99.4
170	0.1483	0.1585	0.1521	0.1409	0.1611	0.1273	0.1469	0.1330	160-170	0.0351	276.8	100, 99.4
180	0.1816	0.1741	0.1784	0.1617	0.1867	0.1715	0.1915	0.1643	170-180	0.0151	276.8	100, 99.4
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

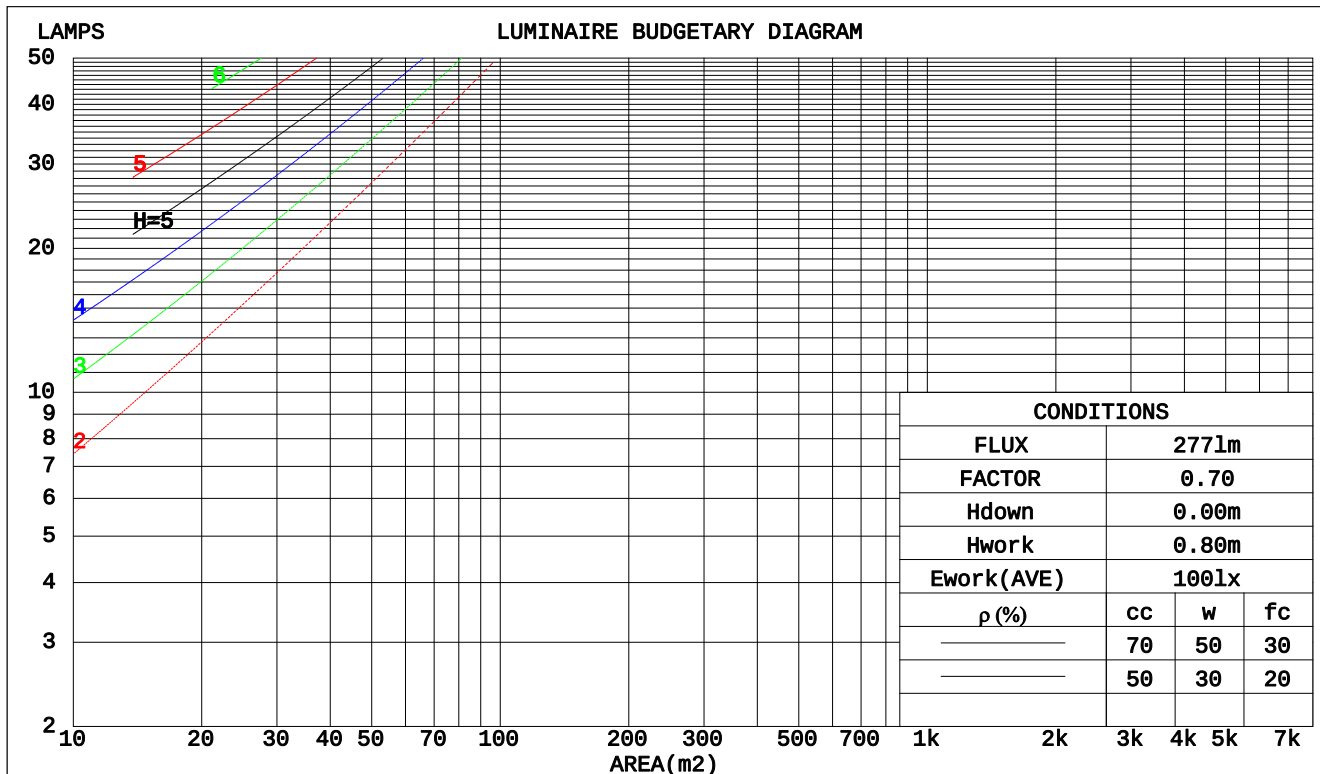
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-08-15

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-W4000-144-3014-1M	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	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.02	.97	.93	.99	.95	.92	.95	.91	.88	.90	.88	.85	.86	.84	.82	.80
2.0	.88	.81	.76	.86	.80	.74	.82	.77	.72	.79	.74	.70	.75	.72	.68	.66
3.0	.77	.69	.63	.76	.68	.62	.72	.66	.60	.69	.64	.59	.66	.62	.58	.55
4.0	.69	.60	.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	.49	.43	.53	.47	.43	.41
6.0	.55	.46	.40	.54	.45	.39	.52	.44	.39	.50	.43	.38	.48	.42	.38	.35
7.0	.50	.41	.35	.49	.41	.35	.47	.40	.34	.45	.39	.34	.44	.38	.33	.31
8.0	.45	.37	.31	.45	.37	.31	.43	.36	.31	.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	.31	.25	.38	.30	.25	.37	.30	.25	.36	.29	.25	.35	.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-W4000-144-3014-1M	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	.322	.183	.058	.314	.179	.057	.299	.171	.055	.285	.165	.053	.273	.158	.051		
2.0	.298	.163	.050	.291	.160	.049	.278	.154	.048	.266	.149	.047	.254	.144	.045		
3.0	.273	.145	.044	.267	.143	.043	.255	.138	.042	.245	.134	.041	.235	.130	.040		
4.0	.251	.130	.038	.246	.128	.038	.235	.125	.037	.225	.121	.037	.216	.118	.036		
5.0	.231	.118	.034	.226	.116	.034	.217	.113	.033	.208	.110	.033	.200	.107	.032		
6.0	.214	.107	.031	.210	.106	.030	.201	.103	.030	.193	.101	.030	.186	.098	.029		
7.0	.199	.098	.028	.195	.097	.028	.187	.095	.027	.180	.092	.027	.174	.090	.027		
8.0	.185	.091	.025	.182	.090	.025	.175	.087	.025	.169	.085	.025	.163	.084	.024		
9.0	.174	.084	.023	.170	.083	.023	.164	.081	.023	.159	.079	.023	.153	.078	.022		
10.0	.163	.078	.022	.160	.077	.022	.155	.076	.021	.149	.074	.021	.144	.073	.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	.210	.210	.210	.179	.179	.179	.123	.123	.123	.070	.070	.070	.023	.023	.023	
1.0	.201	.176	.153	.172	.151	.132	.118	.104	.091	.068	.060	.053	.022	.019	.017	
2.0	.193	.152	.117	.165	.131	.102	.113	.091	.071	.065	.053	.042	.021	.017	.014	
3.0	.186	.135	.094	.159	.116	.082	.109	.081	.057	.063	.047	.034	.020	.015	.011	
4.0	.178	.122	.079	.153	.105	.068	.105	.073	.048	.061	.043	.028	.020	.014	.009	
5.0	.170	.111	.068	.146	.096	.059	.101	.067	.042	.058	.040	.025	.019	.013	.008	
6.0	.163	.103	.060	.140	.089	.052	.097	.063	.037	.056	.037	.022	.018	.012	.007	
7.0	.156	.096	.054	.135	.083	.047	.093	.059	.033	.054	.034	.020	.017	.011	.007	
8.0	.150	.091	.050	.129	.079	.043	.089	.055	.031	.052	.033	.018	.017	.011	.006	
9.0	.144	.086	.046	.124	.074	.040	.086	.052	.029	.050	.031	.017	.016	.010	.006	
10.0	.138	.081	.044	.119	.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-W4000-144-3014-1M						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	20.0	21.5	20.3	21.8	22.0	19.4	20.9	19.7	21.2	21.4					
3H	21.7	23.1	22.0	23.3	23.6	21.0	22.4	21.3	22.7	23.0					
4H	22.4	23.7	22.7	24.0	24.3	21.6	23.0	22.0	23.3	23.6					
6H	23.0	24.2	23.3	24.5	24.9	22.1	23.3	22.5	23.6	24.0					
8H	23.1	24.3	23.5	24.7	25.0	22.2	23.4	22.6	23.7	24.1					
12H	23.2	24.4	23.6	24.7	25.1	22.3	23.4	22.7	23.8	24.2					
4H 2H	20.5	21.8	20.9	22.1	22.5	20.1	21.4	20.4	21.7	22.0					
3H	22.4	23.5	22.7	23.9	24.2	21.8	23.0	22.2	23.3	23.7					
4H	23.2	24.2	23.6	24.6	25.0	22.6	23.6	23.0	24.0	24.4					
6H	23.9	24.8	24.3	25.2	25.6	23.1	24.1	23.6	24.5	24.9					
8H	24.1	25.0	24.6	25.4	25.9	23.3	24.2	23.7	24.6	25.0					
12H	24.3	25.1	24.7	25.5	26.0	23.4	24.2	23.9	24.7	25.1					
8H 4H	23.4	24.3	23.8	24.7	25.1	22.8	23.7	23.3	24.1	24.6					
6H	24.2	24.9	24.7	25.4	25.9	23.5	24.2	24.0	24.7	25.2					
8H	24.5	25.1	25.0	25.6	26.1	23.7	24.4	24.2	24.8	25.4					
12H	24.7	25.3	25.2	25.8	26.3	24.0	24.5	24.5	25.0	25.6					
12H 4H	23.4	24.2	23.9	24.6	25.1	22.9	23.7	23.3	24.1	24.6					
6H	24.2	24.9	24.7	25.3	25.8	23.6	24.2	24.1	24.7	25.2					
8H	24.5	25.1	25.1	25.6	26.1	23.8	24.4	24.3	24.8	25.4					
Variations with the observer position at spacings:															
S = 1.0H	+ 0.1 / - 0.2					+ 0.1 / - 0.2									
1.5H	+ 0.1 / - 0.2					+ 0.1 / - 0.3									
2.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2									

CIE Pub.117 Corrected 278.3 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-W4000-144-3014-1M	TYPE:	WEIGHT:0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:10*1000mm	PROTECTION ANGLE:

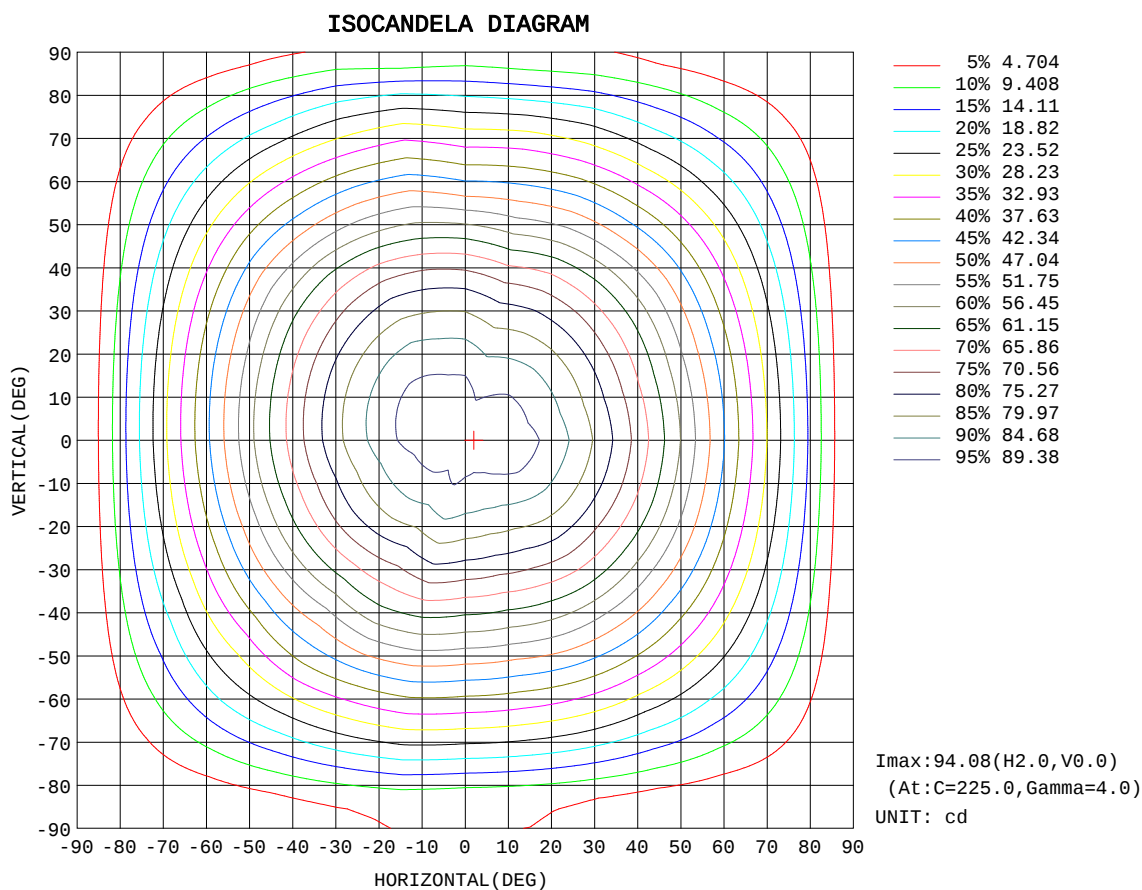
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) × RCR = 5									
k = 0.60	56	44	37	55	44	37	54	43	37	30
0.80	66	54	46	64	53	46	63	52	46	39
1.00	74	62	55	72	62	55	70	63	54	47
1.25	81	70	63	79	69	62	76	68	61	54
1.50	86	75	68	84	75	68	81	73	66	59
2.00	93	84	77	91	82	76	87	80	74	66
2.50	97	88	82	94	87	81	90	84	79	70
3.00	100	93	87	98	91	86	93	88	83	74
4.00	104	98	93	102	96	92	97	92	89	79
5.00	107	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-W4000-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:

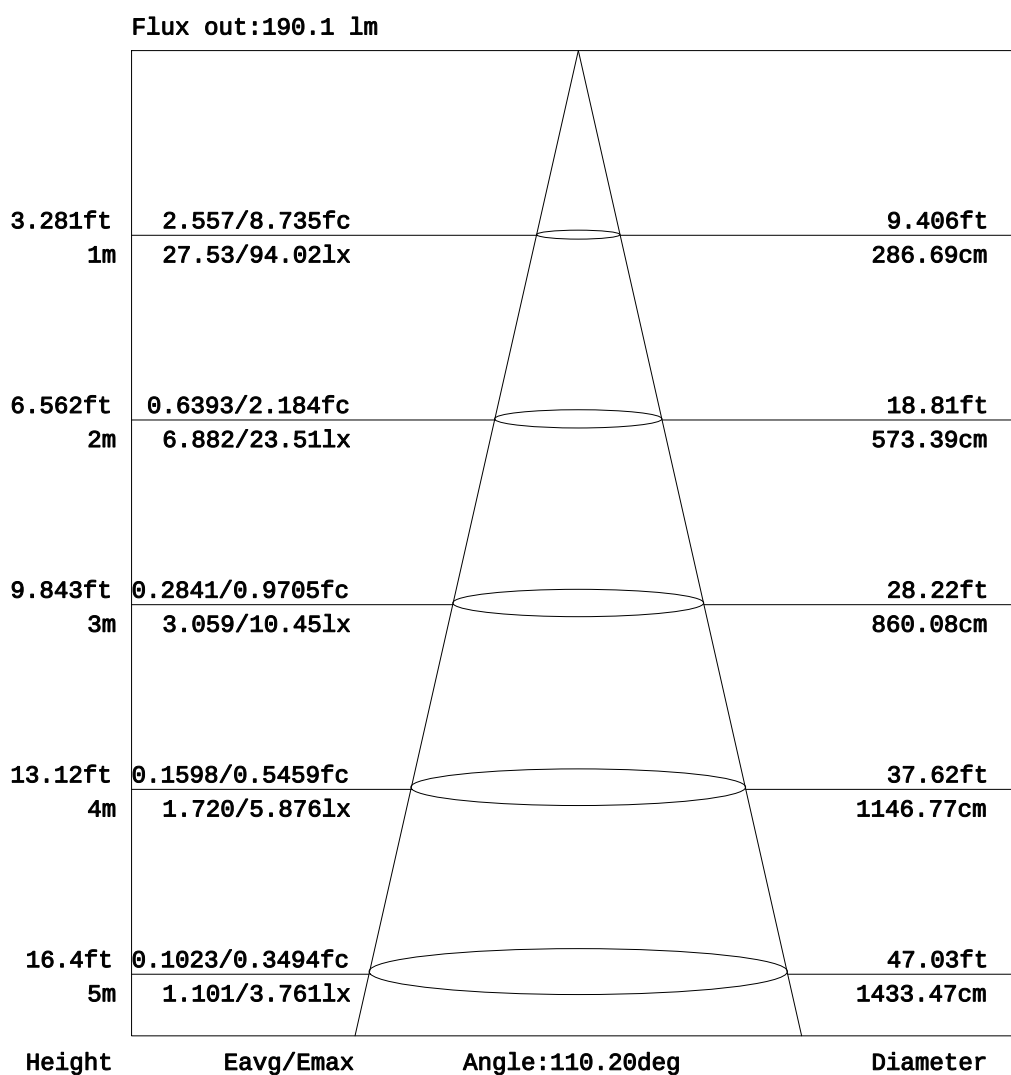


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: shan
 Test Date: 2018-08-15

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-W4000-144-3014-1M	TYPE:	WEIGHT: 0.126kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 10*1000mm	PROTECTION ANGLE:



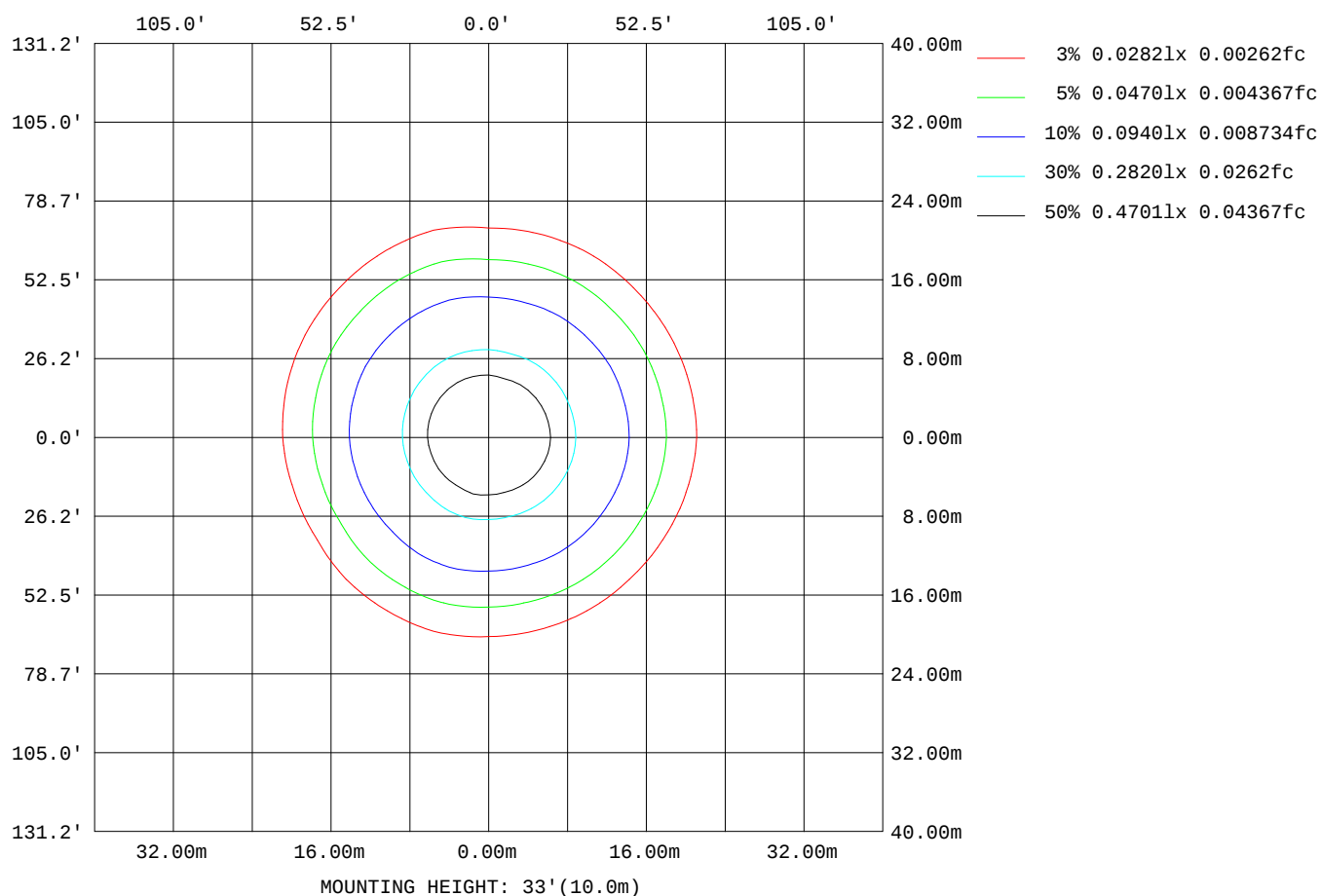
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

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-W4000-144-3014-1M	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-W4000-144-3014-1M	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	278.34	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	8484	8309	8111	7922	7848	7801	7740	7620	7551	7588	7785	7948	7985	7821	7730	7788	7941	8116	8278
60	8361	8150	7917	7698	7610	7561	7512	7428	7383	7423	7626	7756	7761	7739	7639	7539	7690	7912	8127
65	8231	7970	7710	7473	7325	7276	7297	7275	7263	7309	7531	7634	7570	7518	7390	7265	7424	7689	7967
70	8089	7760	7443	7161	6974	6941	7025	7037	7035	7081	7346	7467	7376	7231	7139	7131	7144	7373	7765
75	7886	7467	7050	6679	6481	6454	6543	6595	6622	6686	7011	7157	7036	6827	6761	6834	6731	6941	7448
80	7509	6916	6299	5743	5497	5462	5565	5700	5788	5894	6365	6536	6309	6060	5916	5948	6180	6497	6854
85	6394	5291	4199	3338	3362	4016	5001	5778	6237	6421	6702	6553	5892	4963	4210	3863	4071	4621	5359

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	8484	200	---	500
Category 2	65 to 90	8231	200	---	500
Category 3	75 to 90	7886	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-W4000-144-3014-1M	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	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	92.4	92.1	91.8	91.7	91.6	91.6	91.6	92.2	91.9	91.8	91.8	91.9	92.2	92.2	92.5	92.8	92.7	92.7	92.6
10	91.0	90.5	90.1	89.7	89.4	89.3	89.4	90.6	90.0	89.8	90.0	90.2	90.5	90.8	91.4	92.3	92.2	92.1	91.8
15	89.4	88.8	88.4	87.8	87.3	87.2	87.3	88.7	88.0	87.9	88.0	88.4	88.8	89.2	90.0	91.3	91.2	90.9	90.5
20	86.1	85.3	84.8	84.2	83.3	82.8	83.0	84.7	83.9	84.0	84.3	84.7	85.2	85.9	86.7	88.3	88.7	88.2	87.6
25	83.3	82.4	81.7	81.2	80.0	79.4	79.6	81.4	80.3	80.7	81.2	81.6	82.2	83.0	84.0	85.6	86.4	85.7	85.0
30	78.2	77.1	76.2	76.0	74.4	73.5	73.6	75.6	74.4	74.9	75.7	76.2	77.0	77.9	79.0	80.8	81.9	81.3	80.5
35	74.2	73.1	72.0	71.7	70.2	69.1	69.2	71.3	70.4	70.5	71.5	72.2	73.1	73.9	75.2	76.9	78.3	78.0	77.0
40	67.7	66.5	65.0	64.6	63.3	62.2	62.2	64.3	64.7	63.4	64.4	65.5	66.4	67.5	68.8	70.9	72.0	71.8	70.5
45	62.9	61.6	60.1	59.6	58.6	57.5	57.5	59.4	60.3	58.3	59.4	60.6	61.7	62.8	64.3	66.2	67.3	66.7	65.3
50	55.4	53.8	52.2	51.6	51.2	49.8	49.8	51.8	52.6	50.4	51.5	52.8	54.1	55.2	56.9	58.6	59.0	58.8	57.1
55	50.0	48.5	46.8	46.2	45.8	44.7	44.8	46.5	47.2	45.5	46.1	47.4	48.8	50.1	52.0	52.8	53.5	53.7	51.2
60	41.8	40.2	38.5	37.9	37.6	37.0	37.1	38.6	38.8	38.6	37.7	39.0	40.6	41.9	43.4	44.2	45.4	45.9	42.8
65	36.2	34.6	33.0	32.2	32.2	32.0	32.2	33.5	33.3	33.0	32.1	33.3	35.1	36.4	37.7	38.7	40.1	40.8	37.7
70	27.7	26.0	24.5	23.7	24.0	24.1	24.2	25.5	25.2	24.5	24.4	24.6	26.6	27.8	28.9	30.4	31.9	33.6	30.9
75	21.9	20.2	18.7	18.1	18.4	18.5	18.7	19.9	19.7	18.9	19.1	18.8	20.7	22.0	23.1	24.7	26.9	28.5	26.2
80	13.0	11.5	9.97	9.47	9.66	10.0	10.2	11.4	11.0	10.4	10.3	11.0	11.9	13.0	14.5	16.4	18.9	20.0	18.6
85	7.08	5.57	4.22	3.94	4.78	5.64	5.97	6.49	5.88	4.88	4.61	5.14	6.08	7.17	8.75	11.0	13.1	13.3	13.2
90	0.01	0.08	1.03	2.39	3.83	4.73	4.98	4.89	4.03	2.59	1.26	0.48	0.31	0.54	1.90	3.81	5.55	6.15	6.52
95	0.00	0.07	1.08	2.27	3.46	4.19	4.40	4.39	3.69	2.34	1.31	0.46	0.36	0.59	1.63	3.13	4.49	5.34	5.63
100	0.00	0.02	0.96	2.03	2.85	3.41	3.57	3.57	2.76	2.12	1.17	0.38	0.37	0.50	1.52	2.51	3.28	3.75	4.35
105	0.00	0.00	0.71	1.81	2.69	3.06	3.15	3.12	2.63	1.84	0.95	0.29	0.30	0.36	1.20	2.05	2.65	2.88	3.10
110	0.00	0.00	0.64	1.50	2.35	3.02	3.14	3.00	2.39	1.50	0.61	0.11	0.12	0.07	0.73	1.59	2.18	2.36	2.42
115	0.00	0.00	0.61	1.50	2.31	2.82	2.94	2.84	2.27	1.23	0.57	0.03	0.00	0.00	0.48	1.22	2.17	2.60	2.61
120	0.00	0.00	0.42	1.36	2.13	2.58	2.70	2.66	1.76	1.06	0.53	0.00	0.00	0.00	0.24	0.92	1.78	2.50	2.53
125	0.00	0.00	0.34	1.23	1.91	2.39	2.50	2.36	1.48	0.98	0.45	0.00	0.00	0.00	0.20	0.70	1.47	2.36	2.25
130	0.00	0.00	0.12	0.83	1.50	1.86	1.91	1.79	1.21	0.73	0.27	0.00	0.00	0.00	0.07	0.46	0.90	1.58	1.66
135	0.00	0.00	0.07	0.63	1.12	1.46	1.69	1.47	0.98	0.57	0.19	0.00	0.01	0.00	0.01	0.34	0.67	1.16	1.17
140	0.03	0.03	0.04	0.24	0.74	1.04	1.18	0.96	0.65	0.36	0.08	0.03	0.04	0.02	0.01	0.13	0.45	0.71	0.76
145	0.04	0.05	0.06	0.15	0.40	0.81	0.94	0.70	0.49	0.24	0.06	0.04	0.06	0.04	0.02	0.06	0.28	0.51	0.69
150	0.07	0.07	0.07	0.09	0.18	0.32	0.46	0.41	0.24	0.10	0.06	0.08	0.09	0.07	0.04	0.03	0.08	0.15	0.33
155	0.09	0.09	0.09	0.10	0.12	0.18	0.23	0.20	0.12	0.07	0.09	0.09	0.11	0.08	0.07	0.05	0.07	0.06	0.16
160	0.12	0.12	0.12	0.12	0.12	0.13	0.12	0.12	0.10	0.10	0.11	0.11	0.13	0.11	0.09	0.08	0.09	0.08	0.10
165	0.12	0.14	0.13	0.14	0.13	0.14	0.12	0.13	0.11	0.12	0.14	0.13	0.15	0.13	0.12	0.10	0.10	0.10	0.12
170	0.15	0.15	0.15	0.16	0.15	0.16	0.15	0.15	0.15	0.14	0.15	0.16	0.16	0.15	0.14	0.13	0.13	0.13	0.15
175	0.17	0.17	0.16	0.16	0.16	0.17	0.16	0.18	0.15	0.15	0.17	0.16	0.17	0.17	0.16	0.15	0.16	0.16	0.17
180	0.18	0.19	0.17	0.17	0.17	0.19	0.18	0.20	0.17	0.16	0.18	0.17	0.19	0.18	0.18	0.17	0.17	0.19	0.19

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-W4000-144-3014-1	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	91.8	92.5	92.4	92.4	92.4														
10	90.1	91.4	91.3	91.3	91.2														
15	88.6	90.0	89.9	89.8	89.7														
20	85.5	87.0	86.8	86.5	86.5														
25	82.8	84.4	84.0	83.8	83.6														
30	78.3	79.7	79.1	78.8	78.5														
35	74.8	76.3	75.2	74.8	74.5														
40	68.4	70.0	69.1	68.4	68.0														
45	63.2	65.2	64.3	63.9	63.3														
50	55.5	57.0	56.5	56.4	55.7														
55	50.4	51.6	50.9	51.2	50.4														
60	43.0	43.6	42.4	42.6	42.2														
65	38.0	38.3	37.0	36.8	36.7														
70	31.2	30.4	28.7	28.1	28.0														
75	26.2	25.5	23.2	22.3	22.1														
80	17.9	17.3	15.2	13.8	13.2														
85	12.3	11.6	9.74	8.13	7.37														
90	6.08	5.28	3.60	1.81	0.38														
95	5.24	4.56	3.15	1.62	0.26														
100	4.09	3.66	2.60	1.44	0.21														
105	3.05	2.85	2.15	1.19	0.11														
110	2.55	2.28	1.68	0.80	0.00														
115	2.79	2.34	1.48	0.66	0.00														
120	2.69	2.18	1.34	0.30	0.00														
125	2.29	2.00	1.03	0.17	0.00														
130	1.45	1.27	0.61	0.07	0.00														
135	0.87	0.93	0.45	0.00	0.00														
140	0.56	0.62	0.14	0.01	0.01														
145	0.52	0.38	0.02	0.03	0.03														
150	0.15	0.06	0.04	0.06	0.06														
155	0.07	0.07	0.06	0.07	0.07														
160	0.10	0.09	0.09	0.10	0.10														
165	0.12	0.10	0.11	0.11	0.12														
170	0.15	0.13	0.13	0.13	0.14														
175	0.17	0.15	0.14	0.15	0.15														
180	0.19	0.17	0.16	0.17	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: