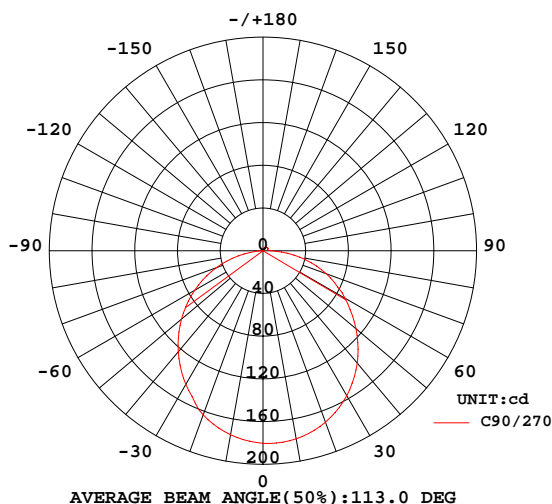


LUMINAIRE PHOTOMETRIC TEST REPORT

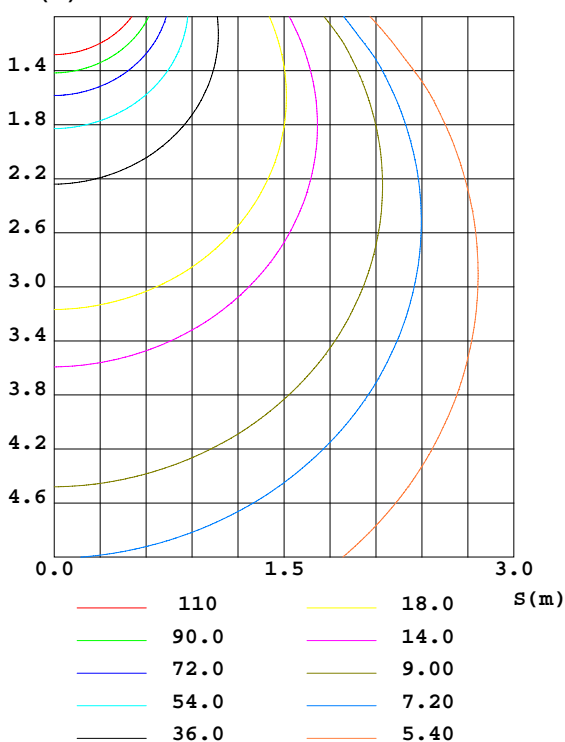
NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-83.3	WEIGHT:0.132kg/m	
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 61.51 lm/W
MODEL	3015	I _{max} (cd)	180.7	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	9	LOR(%)	127.4	S/MH(C90/270)	1.20	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	535.11	η UP,DN(C0-180)	0.6,59.3	
NOMINAL FLUX(lm)	420	CIE CLASS	DIRECT	η UP,DN(C180-360)	1.9,65.5	
LAMPS INSIDE	1	η up(%)	2.6	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	124.8	CIBSE SHR MAX	1.35	

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
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	Φ lum, lamp
10	175.9	174.6	175.0	176.7	177.9	179.3	178.9	177.1	0- 10	17.05	17.05	3.19,4.06
20	165.3	163.0	163.6	166.8	169.2	171.6	170.9	167.6	10- 20	48.78	65.82	12.3,15.7
30	149.1	145.0	144.5	150.0	152.2	157.8	156.8	151.0	20- 30	73.64	139.5	26.1,33.2
40	128.2	123.8	123.5	129.8	132.6	137.5	137.4	130.7	30- 40	88.24	227.7	42.6,54.2
50	103.8	99.44	99.61	106.2	109.3	114.3	113.7	106.6	40- 50	91.71	319.4	59.7,76
60	75.93	72.57	73.80	79.71	83.52	88.14	88.73	79.48	50- 60	83.80	403.2	75.3,96
70	48.65	45.35	46.66	52.69	56.20	60.86	63.07	53.34	60- 70	66.03	469.2	87.7,112
80	20.56	16.88	18.05	24.32	27.89	33.73	35.01	26.13	70- 80	41.57	510.8	95.5,122
90	0.0026	0.0812	0.2822	1.131	1.243	6.214	7.533	4.162	80- 90	13.55	524.4	98,125
100	0	0.2775	0.4433	0.1870	0	2.825	4.424	2.663	90-100	1.924	526.3	98.3,125
110	0.1158	0.6377	0.9930	0.4941	0.0672	2.451	4.932	2.846	100-110	1.488	527.8	98.6,126
120	0.3321	1.201	1.772	0.8945	0.2373	2.658	5.296	3.267	110-120	1.797	529.6	99,126
130	0.5203	1.507	2.016	1.061	0.4151	2.253	4.892	3.215	120-130	1.804	531.4	99.3,127
140	0.6724	1.516	1.811	0.9720	0.5646	1.821	4.092	2.869	130-140	1.462	532.8	99.6,127
150	0.9275	1.441	1.665	0.9746	0.7966	1.558	3.242	2.514	140-150	1.072	533.9	99.8,127
160	1.154	1.258	1.129	0.9875	1.026	1.486	1.594	2.107	150-160	0.7198	534.6	99.9,127
170	1.252	1.118	0.8756	1.042	1.196	1.451	1.218	1.608	160-170	0.3726	535.0	100,127
180	1.307	1.282	0.9327	1.220	1.307	1.276	0.9353	1.222	170-180	0.1163	535.1	100,127
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

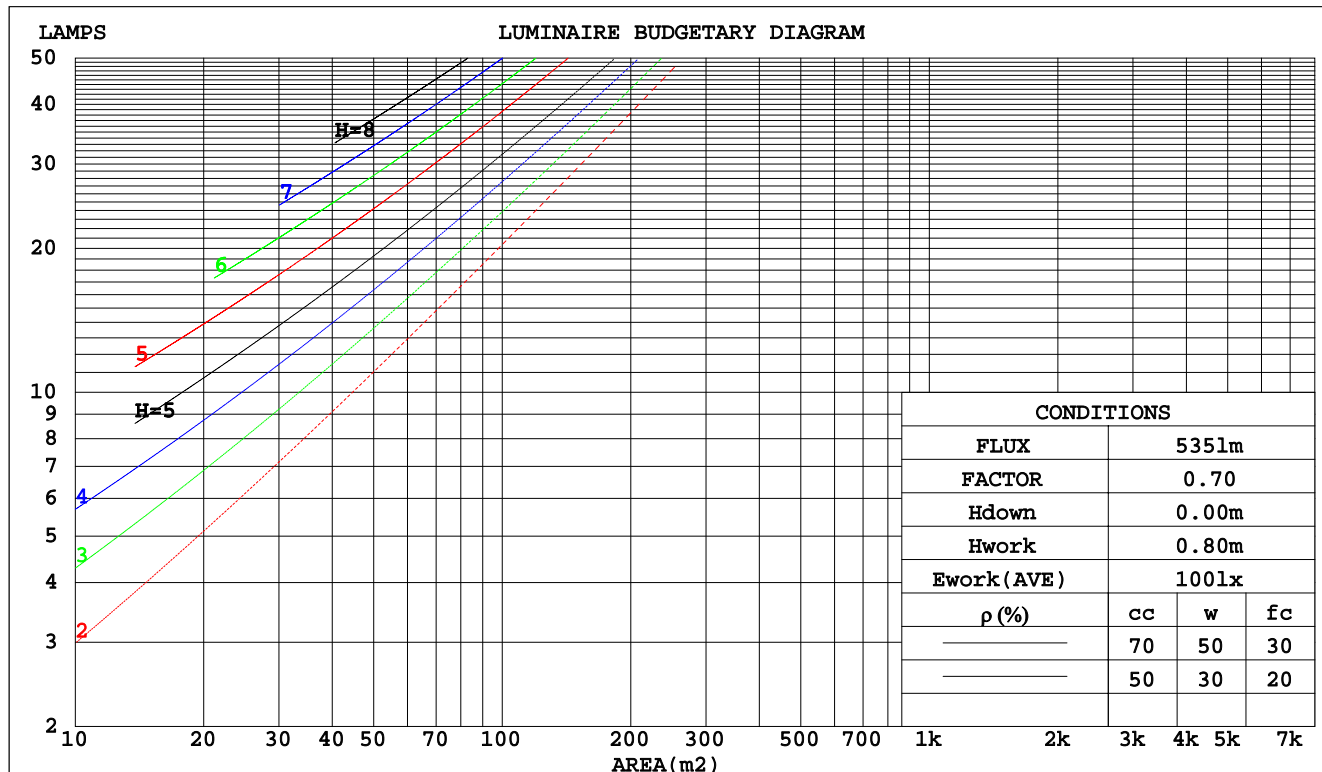
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-83.3	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

pcc	80%			70%			50%			30%			10%			0
pw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
pfc	20%			20%			20%			20%			20%			0
RCR	Coefficients of Utilization(CU)															
0.0	1.51	1.51	1.51	1.47	1.47	1.47	1.40	1.40	1.40	1.34	1.34	1.34	1.28	1.28	1.28	1.25
1.0	1.31	1.25	1.20	1.28	1.23	1.18	1.22	1.18	1.14	1.16	1.13	1.10	1.11	1.09	1.06	1.03
2.0	1.14	1.05	.97	1.11	1.03	.96	1.06	.99	.93	1.02	.96	.91	.97	.93	.88	.85
3.0	.00	.89	.80	.97	.87	.80	.93	.85	.78	.89	.82	.76	.86	.80	.74	.72
4.0	.88	.77	.68	.86	.76	.67	.83	.73	.66	.79	.71	.65	.76	.69	.64	.61
5.0	.79	.67	.58	.77	.66	.58	.74	.64	.57	.71	.63	.56	.69	.61	.55	.52
6.0	.71	.59	.51	.69	.58	.51	.67	.57	.50	.64	.56	.49	.62	.54	.49	.46
7.0	.64	.53	.45	.63	.52	.45	.61	.51	.44	.59	.50	.44	.57	.49	.43	.40
8.0	.58	.47	.40	.57	.47	.40	.55	.46	.39	.54	.45	.39	.52	.44	.39	.36
9.0	.54	.43	.36	.53	.43	.36	.51	.42	.35	.49	.41	.35	.48	.40	.35	.32
10.0	.49	.39	.33	.49	.39	.32	.47	.38	.32	.46	.38	.32	.45	.37	.32	.29



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

WEC AND CCEC

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-83.3	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)					
0.0						
1.0	.409 .233 .074	.399 .228 .072	.381 .218 .070	.364 .210 .067	.348 .202 .065	
2.0	.380 .208 .064	.372 .205 .063	.355 .198 .061	.340 .191 .060	.326 .185 .058	
3.0	.350 .186 .056	.342 .183 .055	.328 .177 .054	.314 .172 .053	.302 .167 .052	
4.0	.321 .167 .049	.315 .165 .049	.302 .160 .048	.290 .156 .047	.279 .151 .046	
5.0	.296 .151 .044	.290 .149 .043	.279 .145 .043	.268 .141 .042	.258 .138 .041	
6.0	.274 .137 .039	.269 .136 .039	.258 .132 .039	.249 .129 .038	.240 .126 .037	
7.0	.255 .126 .036	.250 .125 .035	.241 .122 .035	.232 .119 .035	.224 .116 .034	
8.0	.238 .116 .033	.233 .115 .032	.225 .112 .032	.217 .110 .032	.210 .108 .031	
9.0	.223 .108 .030	.219 .107 .030	.211 .104 .030	.204 .102 .029	.197 .100 .029	
10.0	.209 .100 .028	.205 .099 .028	.199 .097 .027	.192 .095 .027	.186 .094 .027	

pcc	80%	70%	50%	30%	10%	0
pw	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	50% 30% 10%	0
pfc	20%	20%	20%	20%	20%	0
RCR	RCR:Room Cavity Ratio Ceiling Cavity Exitance Coefficients(CCEC)					
0.0	.262 .262 .262	.224 .224 .224	.153 .153 .153	.088 .088 .088	.028 .028 .028	
1.0	.250 .218 .190	.214 .188 .163	.147 .129 .113	.084 .075 .066	.027 .024 .021	
2.0	.240 .188 .144	.206 .162 .124	.141 .112 .087	.081 .065 .051	.026 .021 .017	
3.0	.231 .166 .114	.198 .143 .099	.136 .099 .069	.078 .058 .041	.025 .019 .013	
4.0	.221 .149 .094	.189 .129 .081	.130 .090 .057	.075 .052 .034	.024 .017 .011	
5.0	.211 .136 .080	.181 .117 .069	.125 .082 .049	.072 .048 .029	.023 .016 .010	
6.0	.202 .125 .070	.174 .108 .061	.120 .076 .043	.070 .045 .026	.022 .015 .008	
7.0	.193 .116 .062	.166 .101 .054	.115 .071 .038	.067 .042 .023	.022 .014 .008	
8.0	.185 .109 .057	.159 .094 .049	.110 .066 .035	.064 .039 .021	.021 .013 .007	
9.0	.177 .103 .052	.153 .089 .046	.106 .063 .032	.062 .037 .019	.020 .012 .006	
10.0	.170 .097 .049	.146 .084 .043	.102 .059 .030	.059 .035 .018	.019 .012 .006	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

Uncorrected UGR Table

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-TYPE:						WEIGHT:0.132kg/m					
DIM.: 10*10mm						SPEC.:			SERIAL No.:		
MFR.: CLEAR						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	22.0	23.5	22.3	23.7	24.0	21.9	23.4	22.2	23.6	23.9	
	3H	23.6	25.0	23.9	25.2	25.5	23.4	24.8	23.7	25.1	25.3
	4H	24.2	25.5	24.5	25.8	26.1	24.0	25.3	24.3	25.6	25.9
	6H	24.7	25.9	25.0	26.2	26.5	24.4	25.6	24.7	25.9	26.2
	8H	24.8	26.0	25.1	26.3	26.6	24.4	25.6	24.8	26.0	26.3
	12H	24.8	26.0	25.2	26.3	26.6	24.4	25.6	24.8	25.9	26.3
4H	2H	22.6	23.9	22.9	24.2	24.5	22.5	23.8	22.8	24.1	24.4
	3H	24.3	25.5	24.7	25.8	26.1	24.1	25.3	24.5	25.6	26.0
	4H	25.1	26.1	25.5	26.5	26.9	24.8	25.9	25.3	26.3	26.7
	6H	25.6	26.6	26.0	26.9	27.4	25.3	26.3	25.8	26.7	27.1
	8H	25.8	26.7	26.2	27.1	27.5	25.4	26.3	25.9	26.7	27.1
	12H	25.8	26.6	26.3	27.1	27.5	25.5	26.3	25.9	26.7	27.2
8H	4H	25.3	26.2	25.7	26.6	27.0	25.1	26.0	25.5	26.4	26.8
	6H	25.9	26.7	26.4	27.1	27.6	25.7	26.4	26.1	26.8	27.3
	8H	26.2	26.8	26.6	27.3	27.8	25.8	26.5	26.3	26.9	27.4
	12H	26.2	26.8	26.8	27.3	27.8	25.9	26.5	26.4	26.9	27.5
12H	4H	25.3	26.1	25.7	26.5	26.9	25.1	25.9	25.5	26.3	26.8
	6H	26.0	26.6	26.5	27.1	27.6	25.7	26.3	26.2	26.8	27.3
	8H	26.2	26.8	26.7	27.2	27.8	25.9	26.4	26.4	26.9	27.4
Variations with the observer position at spacings:											
S = 1.0H	+ 0.1 / - 0.2					+ 0.2 / - 0.2					
1.5H	+ 0.1 / - 0.3					+ 0.2 / - 0.3					
2.0H	+ 0.2 / - 0.2					+ 0.2 / - 0.2					

CIE Pub.117 Corrected 420.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.0)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

UTILIZATION FACTORS TABLE

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-83.3	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

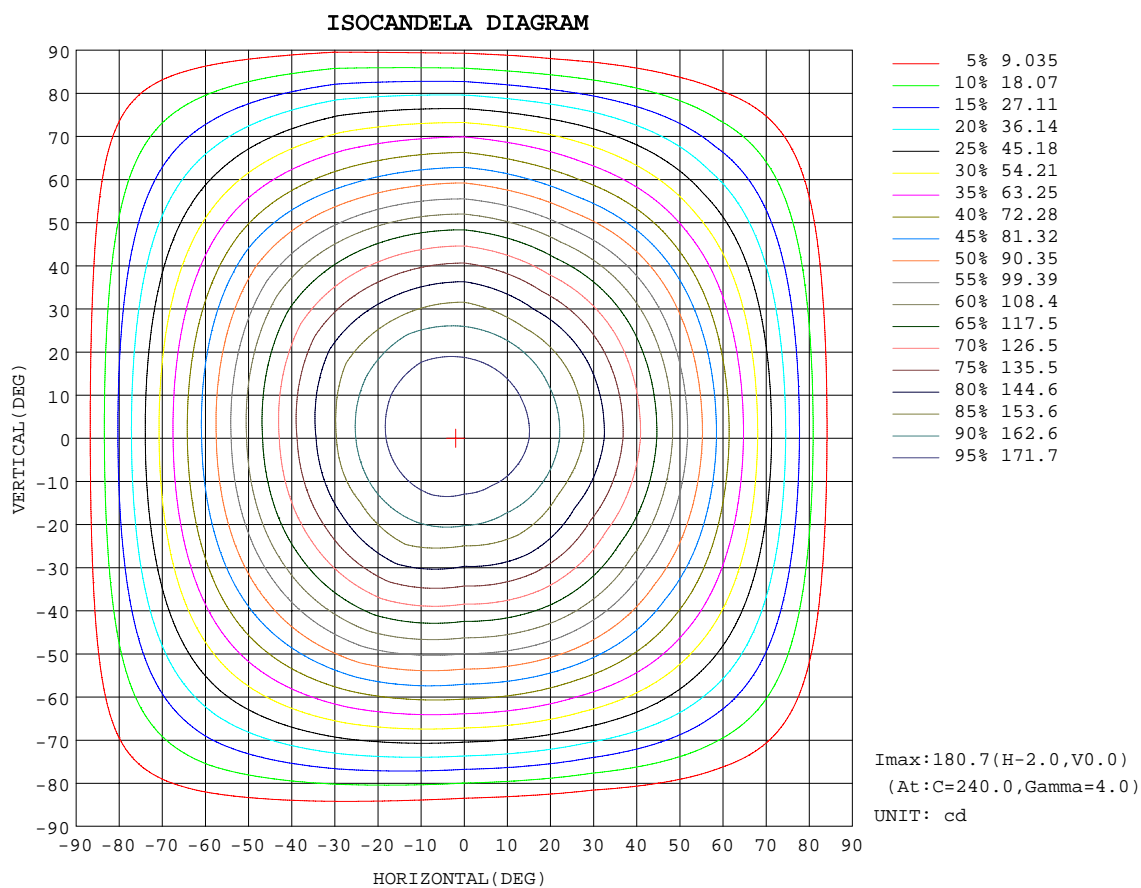
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	72	57	48	71	57	48	69	56	47	39
0.80	84	69	60	83	69	60	81	68	59	50
1.00	95	81	71	93	80	71	90	81	70	60
1.25	104	90	81	102	89	80	98	87	79	69
1.50	110	97	88	108	96	87	104	94	86	76
2.00	119	108	99	117	106	98	112	103	96	85
2.50	124	114	106	121	112	105	116	108	102	91
3.00	129	120	112	126	117	111	120	113	108	96
4.00	134	126	120	131	124	118	125	119	114	102
5.00	137	131	125	134	128	123	128	123	119	106
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHRNOM = 1.25										

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

ISOCANDELA DIAGRAM

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-15000	TYPE:	WEIGHT: 0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.: 10*1000mm	PROTECTION ANGLE:



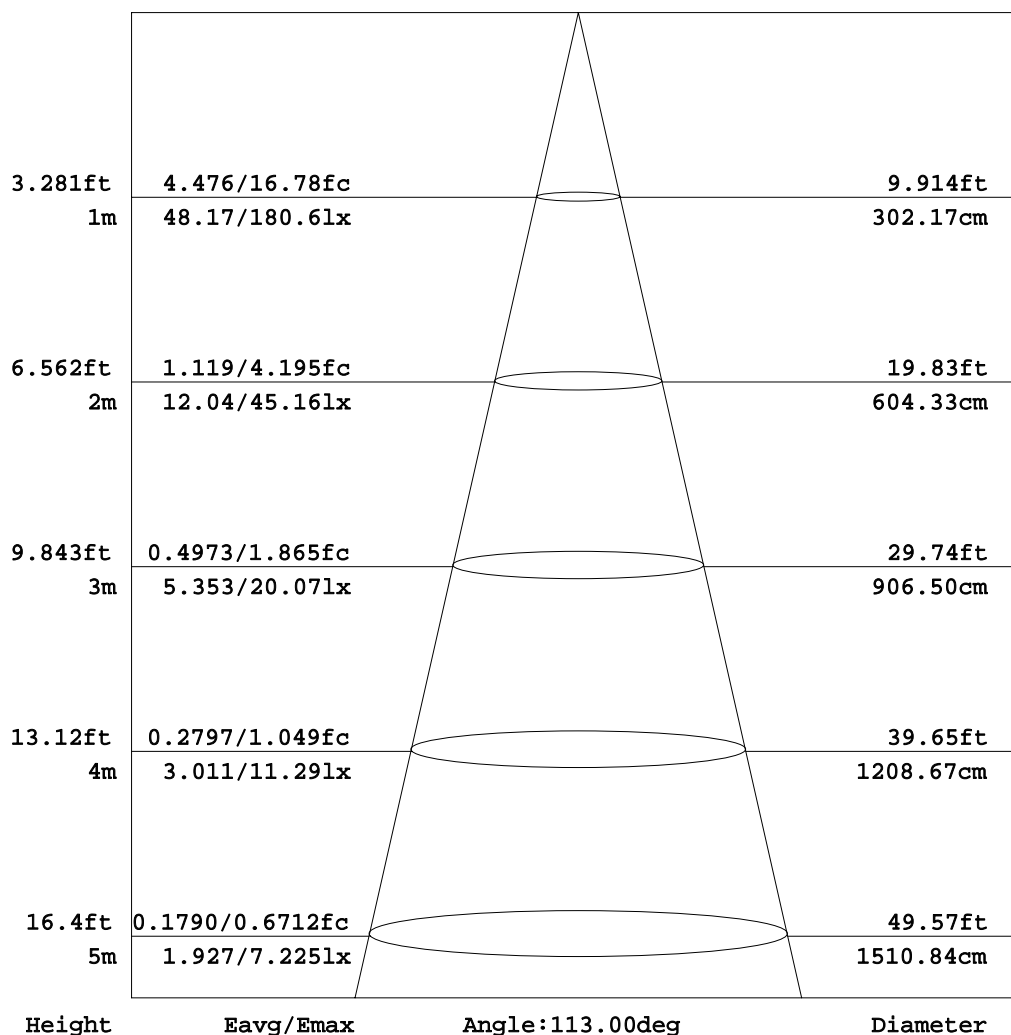
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 21.5DEG
Operators: Eileen Yang
Test Date: 2020-05-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity: 49%
Test Distance: 6.950m [K=1.0000]
Remarks:

AAI Figure

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-1000mm	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

Flux out:387.6 lm



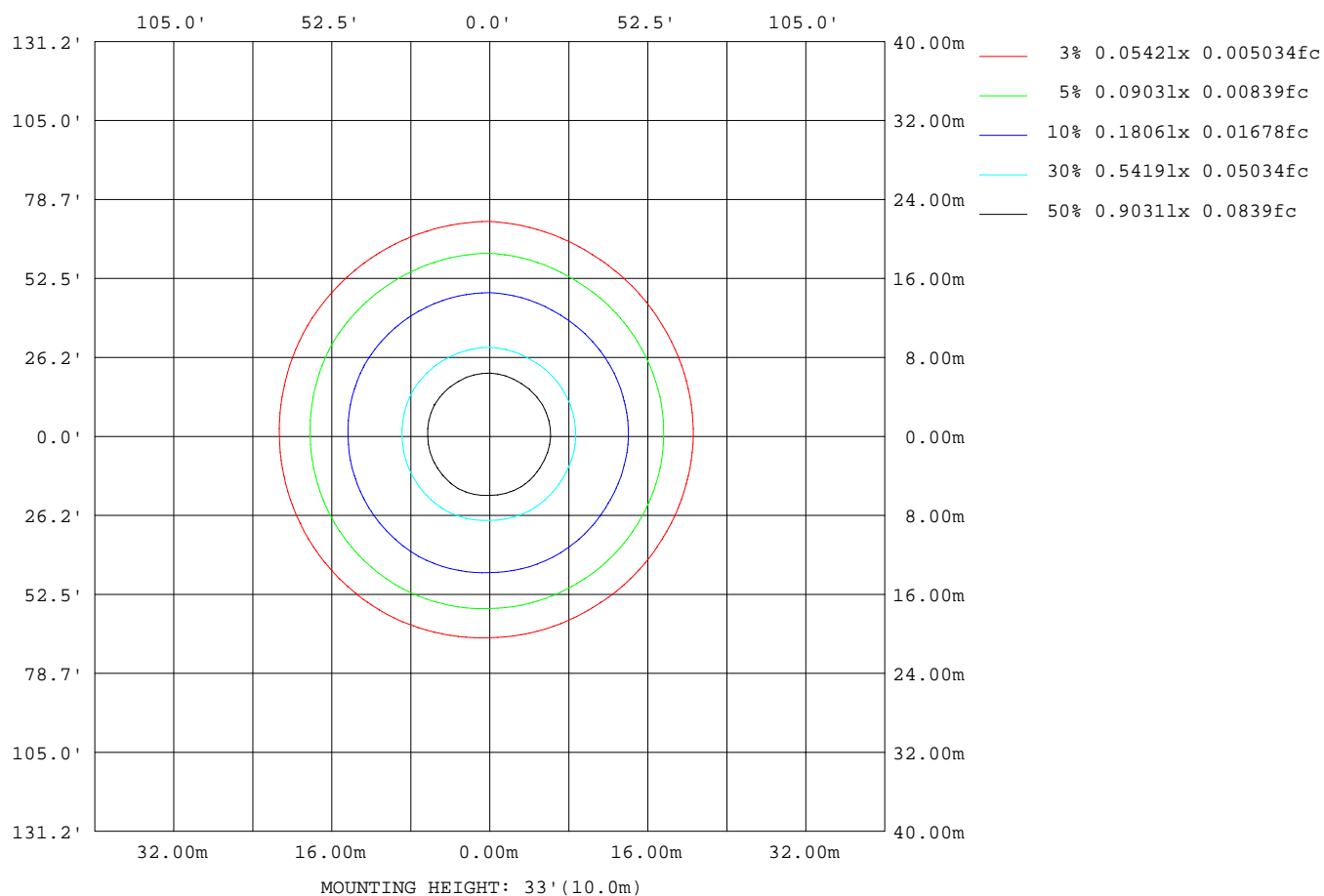
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

ISOLUX DIAGRAM

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-132	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
 γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

Average Luminance Table(CIBSE)

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-83.3	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	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	420	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	C plane(deg)																		
deg	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
55	158211	154501	151831	150201	150121	150691	151511	151101	150951	151521	154641	158241	161661	162981	163801	164461	165521	166841	168551
60	151851	149421	147451	145961	144901	144351	144311	144831	145921	147601	150321	153351	156371	158641	160661	162471	163841	165291	167051
65	147661	144841	142561	140821	139591	138941	138911	139571	140911	142951	146221	149831	153421	156091	158441	160511	162191	163811	165541
70	142241	138911	136171	134031	132341	131351	131161	132021	133781	136441	140551	145081	149581	152971	155941	158521	160471	162311	164311
75	134201	129831	126151	123161	120561	118861	118271	119371	121751	125381	130871	136951	143071	147971	152301	156011	158421	160591	162941
80	118431	111891	106261	101541	97171	94131	92861	94621	98381	103961	111831	120591	129531	137361	144461	150581	154131	157231	160631
85	76501	65891	57691	51921	48581	47661	49131	53271	59591	67841	78281	89791	101781	113391	124531	134791	141611	148401	156431

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	16855	200	---	500
Category 2	65 to 90	16554	200	---	500
Category 3	75 to 90	16294	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: 30.0DEG
Test Speed: HIGH
Temperature:21.5DEG
Operators:Eileen Yang
Test Date:2020-05-27

γ Range: 0 - 180DEG
γ Interval: 2.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V1.0.257
Humidity:49%
Test Distance:6.950m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

NAME: C-SFR-F23B-HB-24CV-30K-WM-144-80-9W-1500K	TYPE:	WEIGHT:0.132kg/m
DIM.: 10*10mm	SPEC.:	SERIAL No.:
MFR.: CLEAR	SUR.:10*1000mm	PROTECTION ANGLE:

Table--1

UNIT: cd

C(°)	0	30	60	90	120	150	180	210	240	270	300	330							
γ (°)	0	180	180	180	180	180	180	180	180	180	180	180							
0	180	180	180	180	180	180	180	180	180	180	180	180							
5	179	179	179	179	179	180	180	180	181	180	180	180							
10	176	175	174	175	176	177	178	179	180	179	178	177							
15	172	171	171	171	173	174	175	177	177	176	175	173							
20	165	163	163	164	166	168	169	171	172	171	169	167							
25	159	156	156	156	160	162	164	166	167	166	163	161							
30	149	144	146	144	150	150	152	157	159	157	151	151							
35	141	136	137	137	142	143	145	150	149	149	144	143							
40	128	123	124	124	129	130	133	138	137	137	131	130							
45	119	114	115	114	120	121	124	129	128	128	122	121							
50	104	99.0	99.8	99.6	106	107	109	115	114	114	107	106							
55	93.4	88.7	89.4	89.4	95.3	96.8	99.3	104	104	104	97.1	95.5							
60	75.9	73.0	72.2	73.8	78.2	81.2	83.5	88.3	87.9	88.7	81.1	77.9							
65	65.1	62.2	61.4	63.1	67.5	70.5	72.7	76.0	77.3	77.9	70.8	66.9							
70	48.7	45.8	44.9	46.7	51.2	54.2	56.2	59.4	62.3	63.1	56.4	50.3							
75	37.5	34.7	33.5	35.4	39.9	43.2	44.9	48.2	52.5	52.1	46.1	39.2							
80	20.6	17.6	16.1	18.1	22.5	26.1	27.9	31.3	36.1	35.0	29.4	22.8							
85	9.27	6.78	6.13	7.89	11.2	14.5	16.4	20.2	24.7	23.4	18.0	12.0							
90	0.00	0.01	0.16	0.28	1.09	1.17	1.24	4.48	7.95	7.53	5.98	2.35							
95	0.00	0.03	0.18	0.27	0.21	0.00	0.00	2.19	5.47	5.70	4.89	2.09							
100	0.00	0.16	0.39	0.44	0.30	0.07	0.00	1.66	3.99	4.42	3.75	1.58							
105	0.03	0.27	0.55	0.60	0.43	0.16	0.00	1.44	3.29	4.30	3.50	1.51							
110	0.12	0.45	0.83	0.99	0.71	0.28	0.07	1.39	3.51	4.93	3.94	1.76							
115	0.20	0.59	1.12	1.36	0.93	0.37	0.13	1.45	3.87	5.20	4.26	1.99							
120	0.33	0.94	1.46	1.77	1.21	0.58	0.24	1.50	3.82	5.30	4.29	2.24							
125	0.41	1.16	1.66	1.91	1.28	0.76	0.31	1.48	3.51	5.18	4.27	2.34							
130	0.52	1.25	1.76	2.02	1.29	0.83	0.42	1.38	3.13	4.89	4.14	2.29							
135	0.59	1.26	1.71	1.93	1.19	0.81	0.48	1.31	2.82	4.56	3.93	2.25							
140	0.67	1.25	1.78	1.81	1.14	0.80	0.56	1.31	2.34	4.09	3.55	2.19							
145	0.79	1.26	1.75	1.80	1.11	0.83	0.65	1.29	2.01	3.75	3.25	2.14							
150	0.93	1.22	1.67	1.67	1.05	0.90	0.80	1.40	1.71	3.24	2.95	2.08							
155	1.03	1.18	1.56	1.50	1.02	0.98	0.88	1.47	1.64	3.01	2.78	2.00							
160	1.15	1.09	1.42	1.13	0.95	1.02	1.03	1.51	1.46	1.59	2.43	1.79							
165	1.19	1.07	1.33	0.95	0.99	1.04	1.10	1.51	1.43	1.38	2.14	1.65							
170	1.25	1.10	1.14	0.88	1.04	1.05	1.20	1.44	1.47	1.22	1.76	1.46							
175	1.28	1.15	1.11	0.84	1.05	1.09	1.25	1.38	1.41	1.08	1.50	1.37							
180	1.31	1.30	1.26	0.93	1.21	1.23	1.31	1.30	1.25	0.94	1.21	1.23							

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