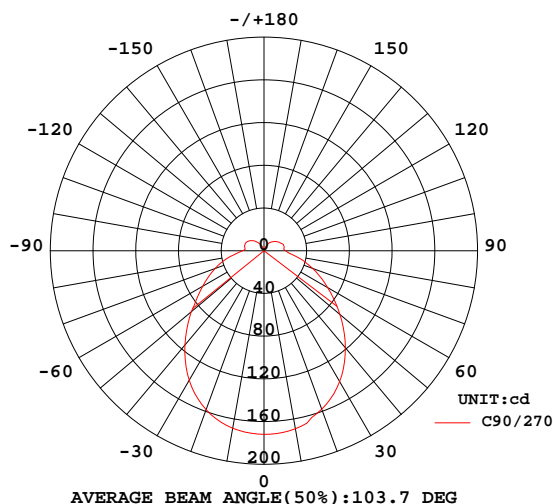


LUMINAIRE PHOTOMETRIC TEST REPORT

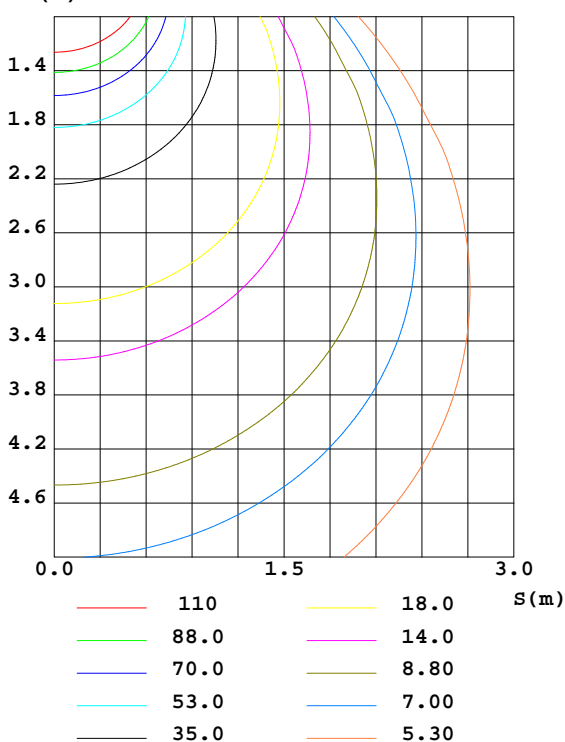
NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RGB	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.:
MFR.:	SUR.:15.5*1000mm
	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 46.24 lm/W
MODEL	5050	Imax(cd)	172.1	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	11.49	LOR(%)	101.0	S/MH(C90/270)	1.21	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	531.28	η UP,DN(C0-180)	4.9,44.8	
NOMINAL FLUX(lm)	525.87	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	5.2,46.1	
LAMPS INSIDE	1	η up(%)	10.2	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	η down(%)	90.9	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:2018-09-01

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:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	$\%lum, lamp$
10	169.0	169.1	168.7	167.6	168.3	168.6	169.3	170.2	0- 10	16.27	16.27	3.06,3.09
20	159.5	157.6	158.4	154.4	155.9	158.7	157.9	162.1	10- 20	46.35	62.62	11.8,11.9
30	143.3	140.5	140.1	135.9	138.5	141.8	141.6	147.2	20- 30	69.30	131.9	24.8,25.1
40	120.1	116.5	115.2	111.7	114.2	118.1	118.6	126.0	30- 40	81.30	213.2	40.1,40.5
50	92.90	89.44	89.10	86.20	87.25	91.36	92.84	100.5	40- 50	80.74	294.0	55.3,55.9
60	65.00	65.61	66.16	63.78	61.83	65.51	68.76	73.37	50- 60	70.31	364.3	68.6,69.3
70	41.26	45.99	48.90	44.58	39.18	44.60	48.70	50.48	60- 70	55.46	419.7	79,79.8
80	18.98	27.95	32.43	26.74	17.37	25.00	30.41	30.04	70- 80	38.13	457.8	86.2,87.1
90	0.6651	13.18	20.25	13.46	0.2377	12.10	20.21	16.55	80- 90	20.03	477.9	89.9,90.9
100	0.2431	12.05	18.39	10.38	0.2861	11.76	19.23	13.19	90-100	12.16	490.0	92.2,93.2
110	0.5741	12.02	18.87	11.25	0.3840	11.87	18.75	13.44	100-110	11.73	501.8	94.4,95.4
120	0.9103	10.77	17.65	9.500	0.4925	9.109	16.22	12.71	110-120	10.35	512.1	96.4,97.4
130	1.236	8.532	14.87	7.336	0.6011	6.678	13.60	11.15	120-130	8.017	520.1	97.9,98.9
140	1.506	5.919	11.07	5.364	0.7288	4.353	10.77	8.745	130-140	5.417	525.6	98.9,99.9
150	1.856	4.067	6.818	3.838	1.213	2.953	7.450	6.257	140-150	3.212	528.8	99.5,101
160	2.020	2.756	3.567	2.861	1.623	2.869	2.649	4.121	150-160	1.640	530.4	99.8,101
170	2.126	2.159	1.744	1.678	1.970	2.536	1.402	2.387	160-170	0.6975	531.1	100,101
180	2.155	2.183	0.9160	1.461	2.160	2.173	0.9133	1.426	170-180	0.1778	531.3	100,101
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

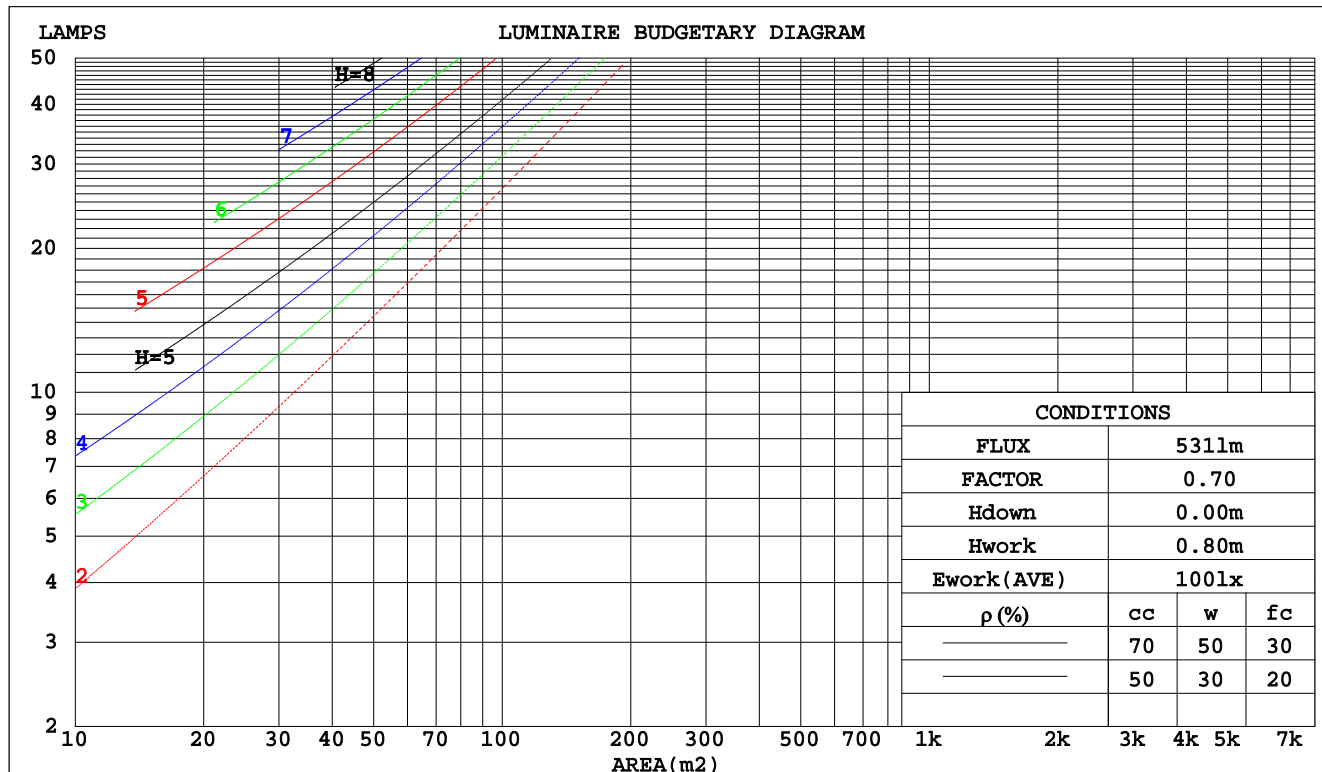
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*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						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.14	1.14	1.14	1.07	1.07	1.07	.00	.00	.00	.94	.94	.94	.91
1.0	1.02	.97	.93	.98	.94	.90	.92	.89	.86	.86	.84	.81	.81	.79	.77	.74
2.0	.88	.81	.75	.86	.79	.74	.80	.75	.70	.75	.71	.67	.71	.67	.64	.62
3.0	.78	.69	.63	.75	.68	.61	.71	.64	.59	.67	.61	.57	.63	.58	.54	.52
4.0	.69	.60	.53	.67	.58	.52	.63	.56	.50	.59	.53	.49	.56	.51	.47	.44
5.0	.61	.52	.46	.60	.51	.45	.56	.49	.44	.53	.47	.42	.51	.45	.41	.38
6.0	.55	.46	.40	.54	.45	.39	.51	.44	.38	.48	.42	.37	.46	.40	.36	.34
7.0	.50	.41	.35	.49	.41	.35	.46	.39	.34	.44	.38	.33	.42	.36	.32	.30
8.0	.46	.37	.31	.45	.37	.31	.43	.35	.30	.40	.34	.30	.39	.33	.29	.27
9.0	.42	.34	.28	.41	.33	.28	.39	.32	.27	.37	.31	.27	.36	.30	.26	.24
10.0	.39	.31	.26	.38	.30	.25	.36	.29	.25	.35	.29	.24	.33	.28	.24	.22



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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:

WEC AND CCEC

NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*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 Coeffcients(WEC)										
0.0																	
1.0	.330	.188	.060	.320	.183	.058	.301	.173	.055	.283	.163	.052	.267	.155	.050		
2.0	.300	.165	.050	.291	.160	.049	.274	.152	.047	.258	.145	.045	.243	.138	.043		
3.0	.274	.146	.044	.265	.142	.043	.250	.136	.041	.236	.129	.040	.223	.123	.038		
4.0	.251	.130	.038	.243	.127	.038	.229	.122	.036	.216	.116	.035	.204	.111	.034		
5.0	.231	.117	.034	.224	.115	.033	.211	.110	.032	.200	.105	.031	.189	.101	.030		
6.0	.213	.107	.031	.207	.105	.030	.196	.100	.029	.185	.096	.028	.175	.092	.027		
7.0	.198	.098	.028	.193	.096	.027	.182	.092	.027	.173	.089	.026	.164	.085	.025		
8.0	.185	.090	.025	.180	.089	.025	.170	.085	.024	.162	.082	.024	.153	.079	.023		
9.0	.173	.084	.023	.169	.082	.023	.160	.079	.022	.152	.076	.022	.144	.073	.021		
10.0	.163	.078	.022	.158	.077	.021	.151	.074	.021	.143	.071	.020	.136	.068	.020		

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	.270	.270	.270	.231	.231	.231	.157	.157	.157	.090	.090	.090	.029	.029	.029	
1.0	.261	.236	.212	.224	.202	.183	.153	.139	.126	.088	.080	.074	.028	.026	.024	
2.0	.253	.212	.177	.217	.182	.153	.149	.126	.107	.086	.073	.063	.028	.024	.020	
3.0	.245	.194	.154	.210	.168	.133	.144	.117	.094	.083	.068	.055	.027	.022	.018	
4.0	.237	.181	.138	.204	.157	.120	.140	.109	.085	.081	.064	.050	.026	.021	.016	
5.0	.230	.171	.128	.197	.148	.111	.136	.103	.078	.079	.061	.046	.025	.020	.015	
6.0	.223	.163	.120	.191	.141	.104	.132	.099	.074	.077	.058	.044	.025	.019	.014	
7.0	.216	.156	.114	.186	.135	.099	.128	.095	.070	.075	.056	.042	.024	.018	.014	
8.0	.209	.150	.110	.180	.130	.095	.125	.091	.068	.073	.054	.040	.023	.018	.013	
9.0	.203	.145	.106	.175	.126	.093	.121	.089	.066	.071	.052	.039	.023	.017	.013	
10.0	.198	.141	.103	.170	.122	.090	.118	.086	.064	.069	.051	.038	.022	.017	.013	

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGBE:/						WEIGHT:0.129kg/m					
DIM.: 15.5*6mm						SPEC.:		SERIAL No.:			
MFR.:						SUR.:15.5*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		19.7	21.0	20.1	21.4	21.8	19.5	20.9	19.9	21.3	21.7
3H		21.2	22.5	21.6	22.9	23.3	21.4	22.7	21.8	23.1	23.5
4H		21.8	23.1	22.3	23.5	23.9	22.4	23.6	22.8	24.0	24.5
6H		22.4	23.5	22.8	23.9	24.4	23.3	24.5	23.8	24.9	25.4
8H		22.5	23.6	23.0	24.1	24.6	23.8	24.9	24.3	25.4	25.9
12H		22.6	23.7	23.1	24.2	24.7	24.4	25.4	24.9	25.9	26.4
4H 2H		20.2	21.4	20.7	21.9	22.3	20.2	21.4	20.6	21.8	22.2
3H		22.0	23.0	22.5	23.5	24.0	22.2	23.3	22.7	23.7	24.3
4H		22.8	23.8	23.3	24.3	24.8	23.4	24.3	23.9	24.8	25.4
6H		23.5	24.4	24.1	24.9	25.5	24.5	25.4	25.1	25.9	26.5
8H		23.8	24.6	24.3	25.1	25.7	25.1	25.9	25.7	26.5	27.1
12H		23.9	24.7	24.5	25.2	25.8	25.8	26.5	26.4	27.1	27.7
8H 4H		23.2	24.0	23.8	24.6	25.2	23.7	24.5	24.3	25.1	25.7
6H		24.2	24.8	24.8	25.4	26.0	25.1	25.8	25.7	26.4	27.0
8H		24.6	25.1	25.2	25.7	26.4	25.9	26.5	26.5	27.1	27.7
12H		24.8	25.3	25.5	26.0	26.6	26.7	27.3	27.4	27.9	28.6
12H 4H		23.3	24.1	23.9	24.6	25.2	23.7	24.5	24.3	25.0	25.7
6H		24.3	24.9	25.0	25.5	26.2	25.2	25.8	25.8	26.4	27.1
8H		24.8	25.3	25.4	25.9	26.6	26.1	26.6	26.7	27.2	27.9
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		+ 0.1 / - 0.2					+ 0.1 / - 0.3				

CIE Pub.117 Corrected 525.9 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*1000mm	PROTECTION ANGLE: /

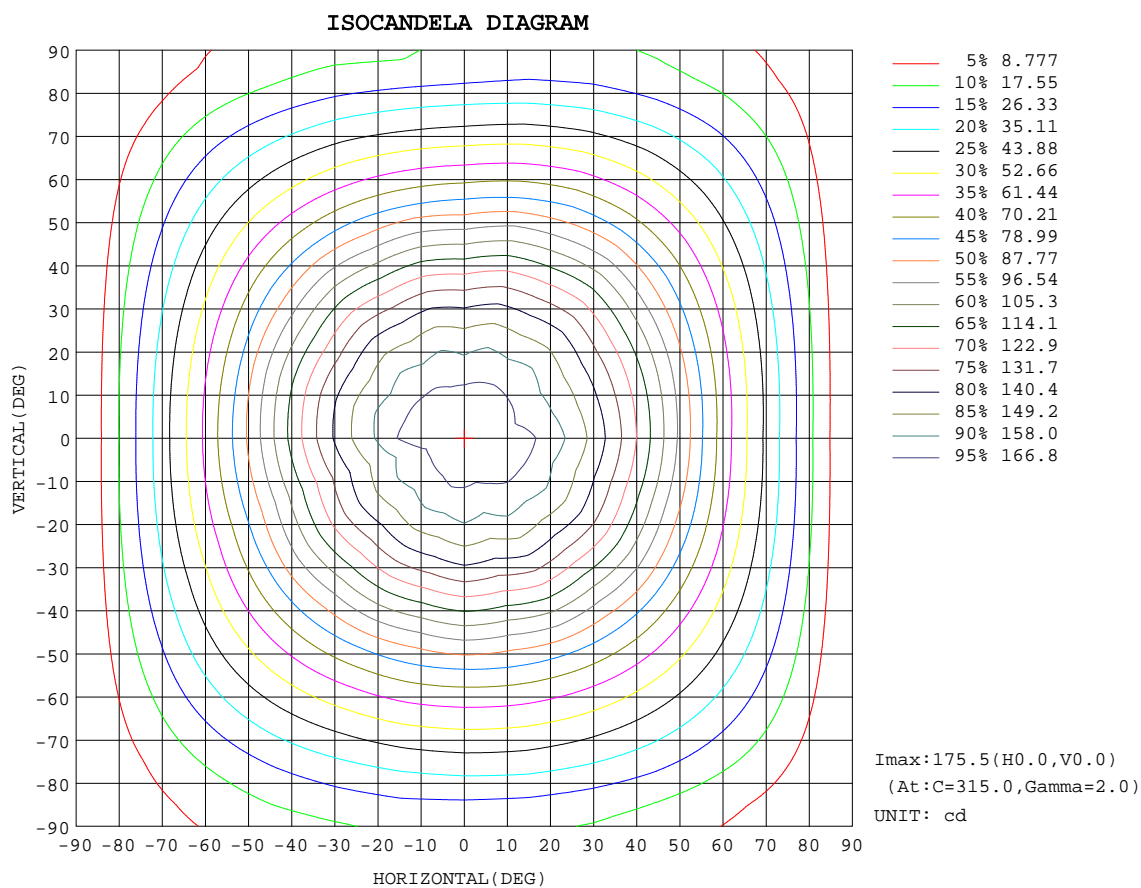
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	55	44	37	54	43	36	53	42	36	30
0.80	65	53	46	64	52	45	61	51	44	37
1.00	73	61	54	71	60	53	68	61	52	44
1.25	80	69	61	78	68	61	74	66	59	51
1.50	85	74	67	83	73	66	79	70	64	55
2.00	92	82	75	89	81	74	84	77	72	62
2.50	96	87	80	93	85	79	88	81	76	66
3.00	99	91	85	96	89	84	91	85	80	69
4.00	103	97	92	100	94	90	94	90	86	74
5.00	106	100	96	103	98	93	96	92	89	76
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004										
Suspended										
SHR _{NOM} = 1.25										

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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:

ISOCANDELA DIAGRAM

NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*1000mm	PROTECTION ANGLE: /

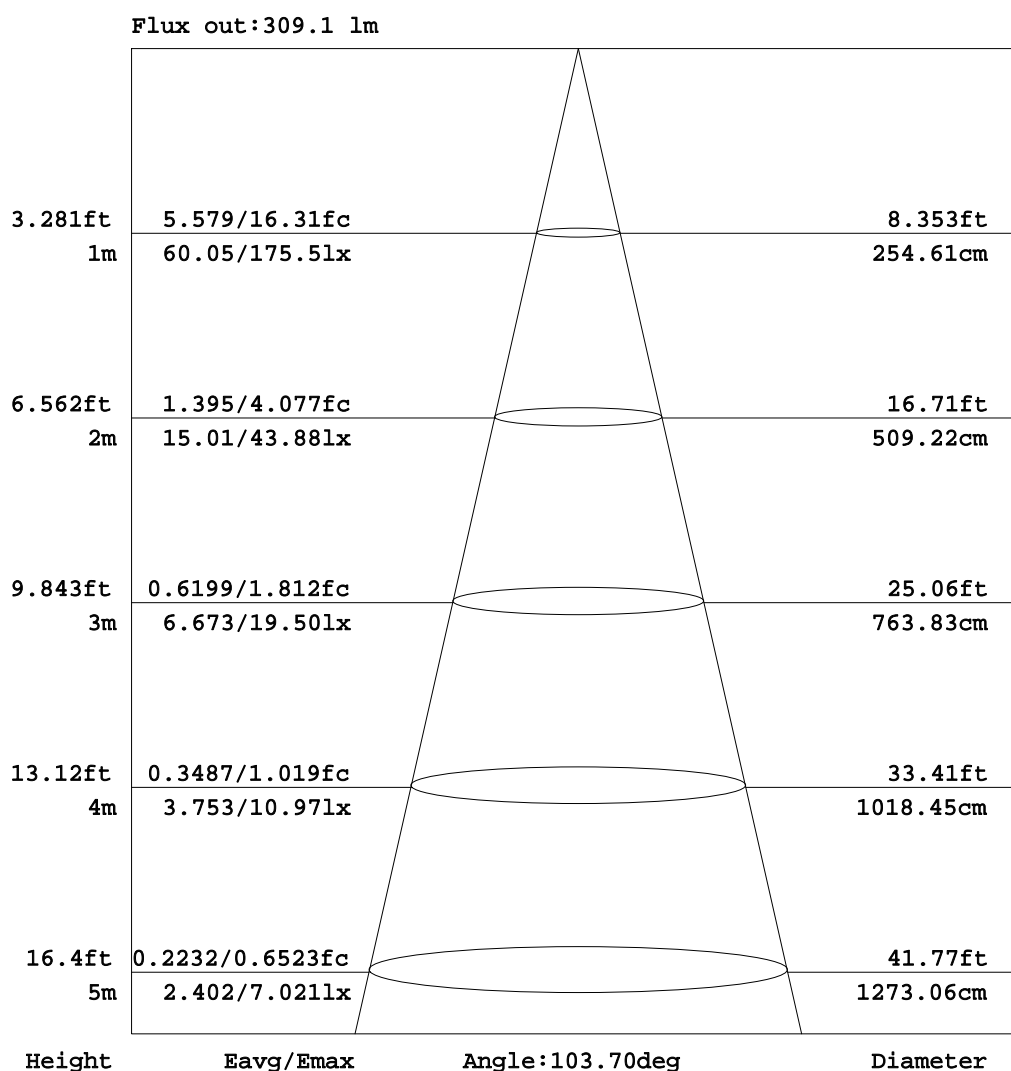


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: shan
 Test Date: 2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGBE:/	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.: SERIAL No.:
MFR.:	SUR.:15.5*1000mm PROTECTION ANGLE:/



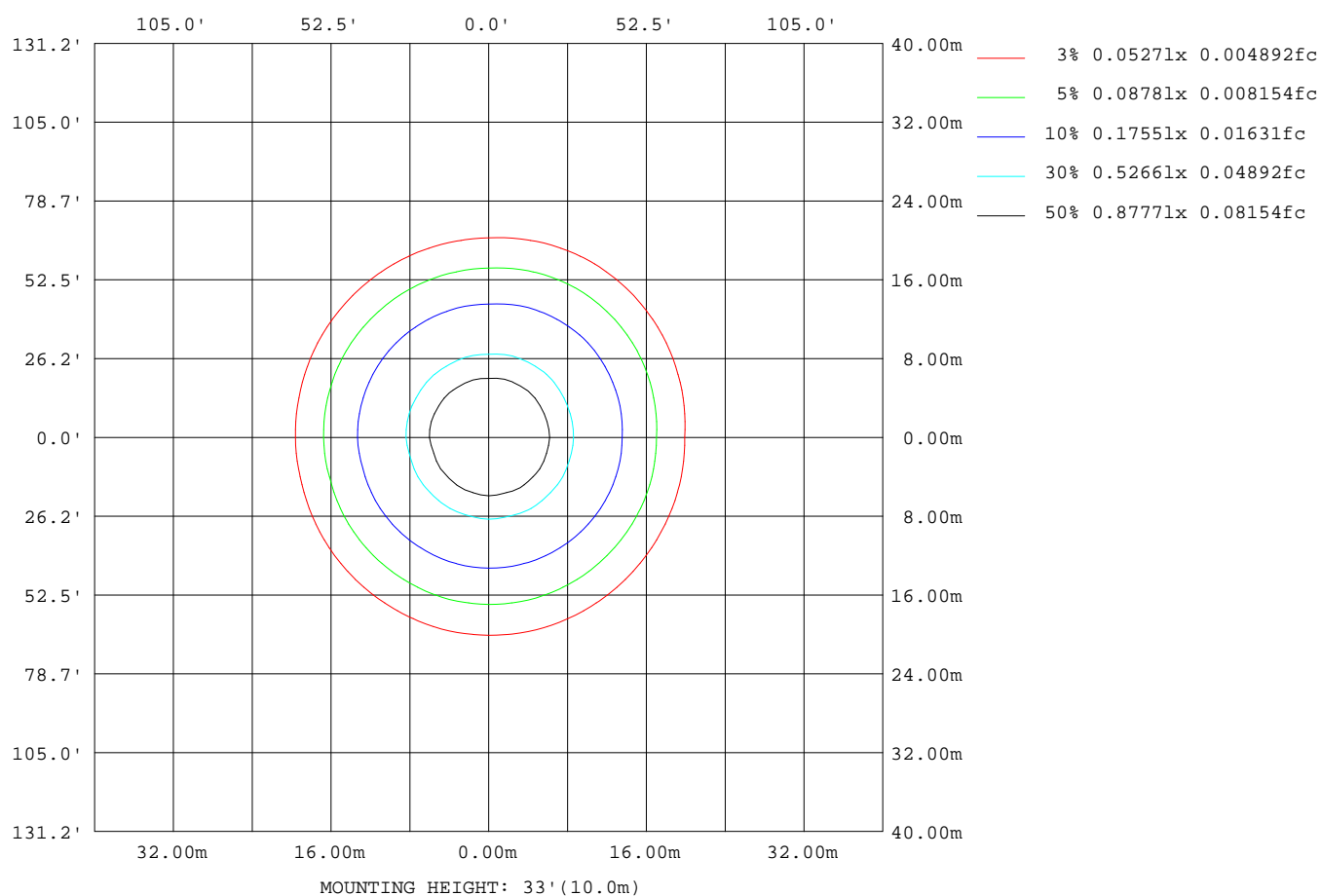
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:shan
Test Date:2018-09-01

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:

ISOLUX DIAGRAM

NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*1000mm	PROTECTION ANGLE: /



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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:

Average Luminance Table(CIBSE)

NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*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	525.87	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.0155	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	8760	8790	8768	8712	8669	8652	8659	8673	8647	8580	8522	8458	8398	8382	8380	8374	8346	8328	8341
60	8387	8450	8467	8454	8457	8484	8533	8596	8598	8536	8482	8402	8305	8251	8209	8162	8094	8018	7978
65	8063	8192	8273	8327	8406	8512	8634	8761	8796	8733	8660	8540	8390	8287	8180	8057	7925	7778	7682
70	7784	8007	8193	8360	8567	8787	9003	9204	9282	9224	9113	8928	8696	8505	8303	8078	7833	7568	7390
75	7504	7898	8259	8608	9019	9420	9782	10109	10251	10183	10008	9725	9370	9030	8649	8229	7808	7354	7035
80	7053	7789	8500	9207	10000	10733	11353	11898	12136	12048	11835	11453	10917	10290	9521	8657	7863	7035	6452
85	5990	7647	9326	11070	13070	14915	16450	17711	18422	18586	18561	17986	16818	15291	13324	11039	8741	6525	5099

Table 2. Average Luminance(cd/sq.m.) for defined C plane, Gamma angle

CIBSE Category	Gamma (deg)	Average Luminance		Patch Luminance	
		maximum	specified	maximum	specified
		calculated	maximum	measured	maximum
Category 1	55 to 90	18586	200	---	500
Category 2	65 to 90	18586	200	---	500
Category 3	75 to 90	18586	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: 2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*1000mm	PROTECTION ANGLE: /

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172	172
5	172	172	172	172	171	171	171	171	171	171	171	171	171	171	171	171	172	172	172
10	169	169	169	169	168	169	169	168	168	168	167	168	168	168	168	169	170	170	169
15	166	166	166	166	165	164	166	164	164	162	164	162	165	165	165	165	167	167	166
20	160	158	160	158	159	157	158	156	156	154	156	155	156	158	156	159	158	161	158
25	154	152	154	152	153	150	152	149	150	148	150	148	150	152	151	153	152	155	152
30	143	141	143	140	142	139	140	137	138	136	138	137	138	141	140	142	141	144	142
35	135	133	134	132	133	130	131	128	128	127	129	128	129	132	131	133	132	135	133
40	120	118	119	116	117	115	115	112	113	112	114	113	114	116	116	118	117	120	119
45	109	108	108	106	106	104	105	102	102	101	103	102	103	106	105	107	107	110	108
50	92.9	91.4	91.8	89.4	90.4	88.7	89.1	86.8	86.9	86.2	87.2	86.4	87.3	89.4	89.4	91.4	91.2	93.8	92.8
55	80.6	80.7	80.0	79.3	79.3	79.3	78.5	77.7	76.9	76.7	76.8	76.5	76.7	77.7	79.1	79.8	81.1	82.2	82.8
60	65.0	65.6	65.5	65.6	66.1	66.8	66.2	65.5	64.4	63.8	63.3	62.5	61.8	63.1	64.5	65.5	66.8	68.2	68.8
65	55.2	56.3	56.7	57.4	58.4	59.4	58.9	58.2	56.8	55.9	54.8	53.6	52.6	53.9	55.5	56.8	58.3	59.8	60.4
70	41.3	43.0	44.3	46.0	47.7	49.1	48.9	47.9	46.1	44.6	42.8	40.9	39.2	40.8	42.8	44.6	46.6	48.0	48.7
75	32.3	34.5	36.5	38.8	40.9	42.6	42.5	41.3	39.3	37.3	35.0	32.6	30.4	32.2	34.6	36.8	39.0	40.5	41.0
80	19.0	21.9	24.8	28.0	30.6	32.5	32.4	31.4	29.4	26.7	23.3	20.1	17.4	19.4	22.4	25.0	27.7	29.4	30.4
85	10.2	13.6	16.9	20.7	23.7	25.9	26.3	26.0	23.9	20.8	16.4	12.1	8.83	11.1	14.6	17.8	21.0	22.9	24.0
90	0.67	4.00	8.55	13.2	16.9	19.4	20.3	19.8	16.5	13.5	9.39	4.46	0.24	3.71	8.36	12.1	14.5	16.5	20.2
95	0.07	3.42	7.52	11.5	14.9	17.2	18.0	17.3	14.1	11.3	7.79	3.49	0.19	3.46	7.65	11.6	14.2	16.0	18.8
100	0.24	3.49	7.84	12.0	15.5	17.7	18.4	17.7	14.3	10.4	7.44	4.01	0.29	3.70	8.03	11.8	13.5	16.8	19.2
105	0.37	3.42	7.87	12.2	15.7	18.1	18.8	18.0	14.2	10.7	7.97	4.17	0.35	3.85	8.12	12.1	14.6	16.7	19.3
110	0.57	2.79	7.64	12.0	15.7	18.2	18.9	16.6	12.8	11.3	7.66	3.72	0.38	3.31	7.46	11.9	15.3	14.9	18.8
115	0.70	2.42	7.31	11.7	15.4	17.9	18.6	15.8	13.2	10.5	7.20	3.40	0.43	2.85	6.80	10.6	15.1	15.2	17.4
120	0.91	1.94	6.53	10.8	14.4	17.0	17.6	15.0	11.0	9.50	6.41	3.07	0.49	2.21	5.82	9.11	12.7	15.4	16.2
125	1.05	1.73	5.79	9.98	13.5	16.1	16.7	14.4	10.5	8.72	5.78	2.84	0.53	1.95	5.21	8.06	11.2	13.8	15.3
130	1.24	1.66	4.70	8.53	11.8	14.3	14.9	12.0	9.39	7.34	4.87	2.66	0.60	1.71	4.06	6.68	9.02	12.2	13.6
135	1.35	1.67	4.13	7.49	10.5	12.9	13.5	10.4	8.40	6.45	4.41	2.55	0.64	1.57	3.39	5.79	7.76	10.3	12.4
140	1.51	1.71	3.50	5.92	8.43	10.6	11.1	7.66	6.90	5.36	3.90	2.36	0.73	1.37	2.84	4.35	6.23	7.99	10.8
145	1.70	1.74	3.05	5.10	7.04	9.11	9.44	6.22	5.89	4.68	3.56	2.31	0.94	1.52	2.56	3.65	5.19	6.54	9.68
150	1.86	1.80	2.63	4.07	5.33	6.69	6.82	5.28	4.52	3.84	3.22	2.12	1.21	1.75	2.67	2.95	3.64	4.72	7.45
155	1.93	1.83	2.43	3.40	4.35	5.32	5.44	4.28	3.84	3.48	2.95	1.95	1.38	1.89	2.62	3.00	3.08	3.52	5.32
160	2.02	1.89	2.22	2.76	3.21	3.51	3.57	3.18	2.94	2.86	2.47	1.70	1.62	2.03	2.57	2.87	2.46	2.61	2.65
165	2.07	1.94	2.13	2.49	2.66	2.77	2.62	2.56	2.55	2.39	2.11	1.56	1.77	2.10	2.52	2.73	2.43	2.08	2.12
170	2.13	2.03	2.04	2.16	2.23	1.91	1.74	1.72	1.78	1.68	1.62	1.39	1.97	2.17	2.44	2.54	2.32	1.39	1.40
175	2.15	2.09	2.08	2.07	2.07	1.75	1.31	1.34	1.47	1.43	1.39	1.32	2.07	2.19	2.35	2.41	2.24	1.38	1.12
180	2.16	2.19	2.21	2.18	2.10	1.55	0.92	1.54	1.59	1.46	1.29	1.28	2.16	2.19	2.22	2.17	2.09	1.55	0.91

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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-F16S-VB-D24CC-RGB-56-5050-1M-RGB	TYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.:	SERIAL No.:
MFR.:	SUR.: 15.5*1000mm	PROTECTION ANGLE: /

Table--2

UNIT: cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	172	172	172	172	172														
5	172	172	172	172	172														
10	170	170	170	170	170														
15	167	168	168	168	167														
20	161	160	162	160	161														
25	155	155	157	155	156														
30	145	145	147	145	146														
35	137	137	139	137	138														
40	123	124	126	124	124														
45	113	114	116	114	114														
50	97.3	98.5	100	98.5	97.6														
55	86.5	88.4	89.9	88.0	86.1														
60	71.4	73.4	73.4	72.3	69.8														
65	62.6	64.1	63.8	62.5	59.9														
70	50.5	51.3	50.5	48.6	45.9														
75	42.8	43.2	42.1	39.9	36.8														
80	31.8	31.8	30.0	27.4	23.8														
85	25.6	25.2	22.8	19.4	15.1														
90	21.1	19.9	16.5	11.6	5.99														
95	19.3	17.8	14.2	9.32	4.18														
100	18.6	16.5	13.2	8.95	4.35														
105	18.9	16.8	13.4	9.14	4.47														
110	18.9	16.8	13.4	9.21	4.51														
115	18.7	16.6	13.3	9.11	4.28														
120	17.8	15.9	12.7	8.75	3.76														
125	16.9	15.2	12.2	8.38	3.52														
130	15.4	13.9	11.2	7.36	3.13														
135	14.2	12.9	10.4	6.64	2.91														
140	12.3	11.3	8.75	5.69	2.53														
145	11.1	10.0	7.71	5.08	2.30														
150	8.89	8.04	6.26	4.09	1.98														
155	7.51	6.88	5.41	3.50	1.79														
160	5.88	5.38	4.12	2.70	1.56														
165	4.79	4.40	3.34	2.27	1.44														
170	3.19	3.05	2.39	1.74	1.31														
175	2.42	2.39	1.87	1.48	1.27														
180	1.55	1.71	1.43	1.31	1.28														

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: shan
Test Date: 2018-09-01

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: