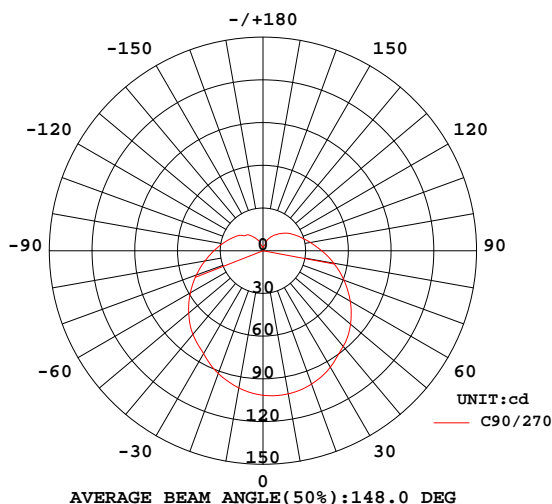


LUMINAIRE PHOTOMETRIC TEST REPORT

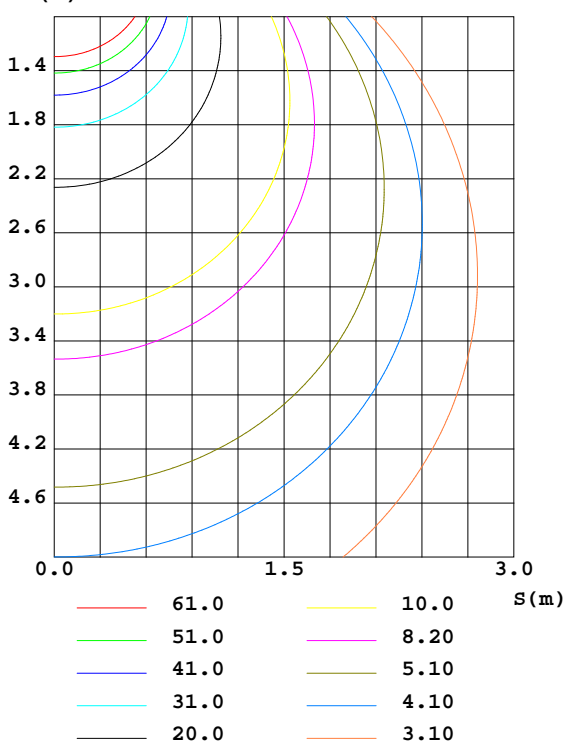
NAME: C-SFR-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 31.16 lm/W			
MODEL	5050	Imax(cd)	102.2	S/MH(C0/180)	1.24
NOMINAL POWER(W)	15	LOR(%)	103.1	S/MH(C90/270)	1.24
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	447.76	η UP,DN(C0-180)	9.4,39.5
NOMINAL FLUX(lm)	434.32	CIE CLASS	SEMI-D.	η UP,DN(C180-360)	10.6,43.6
LAMPS INSIDE	1	η up(%)	20.0	CIBSE SHR NOM	1.50
TEST VOLTAGE(V)	24	η down(%)	83.1	CIBSE SHR MAX	1.50

LUMINOUS INTENSITY DISTRIBUTION DIAGRAM



C0 PLANE ISOLUX DIAGRAM (UNIT:lx)



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

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:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	$\Phi$ lum, lamp
10	99.81	98.37	97.85	98.13	99.16	101.2	102.1	101.3	0- 10	9.603	9.603	2.14,2.21
20	94.20	92.20	91.83	91.64	92.93	97.32	99.69	97.72	10- 20	27.55	37.16	8.3,8.56
30	85.00	83.47	83.49	82.58	83.25	90.24	94.51	90.89	20- 30	41.97	79.13	17.7,18.2
40	72.93	73.68	76.60	72.51	70.84	80.44	87.70	81.25	30- 40	51.32	130.4	29.1,30
50	58.84	63.18	68.14	61.89	56.66	70.19	80.32	70.98	40- 50	55.48	185.9	41.5,42.8
60	43.84	52.70	58.90	51.48	41.63	58.93	70.75	59.72	50- 60	54.35	240.3	53.7,55.3
70	28.68	42.18	49.81	41.12	26.52	47.87	60.58	48.47	60- 70	48.92	289.2	64.6,66.6
80	13.93	32.70	41.47	31.86	11.85	37.48	50.53	37.91	70- 80	40.48	329.7	73.6,75.9
90	2.101	25.43	34.52	24.42	1.761	28.90	41.31	29.12	80- 90	31.09	360.8	80.6,83.1
100	2.233	20.68	29.00	18.48	1.929	21.82	33.80	23.17	90-100	23.95	384.7	85.9,88.6
110	2.637	17.56	24.52	15.14	2.325	17.08	28.01	19.39	100-110	18.82	403.5	90.1,92.9
120	2.929	15.28	20.94	12.17	2.641	13.94	23.55	16.80	110-120	15.02	418.6	93.5,96.4
130	3.104	13.03	16.50	9.025	2.849	10.43	19.25	14.64	120-130	11.28	429.8	96,99
140	3.214	10.73	14.19	6.659	2.957	7.657	14.91	12.20	130-140	7.940	437.8	97.8,101
150	3.670	8.283	9.999	5.070	3.630	5.916	11.35	9.675	140-150	5.152	442.9	98.9,102
160	4.214	6.303	6.756	4.134	4.276	4.881	6.886	7.604	150-160	2.985	445.9	99.6,103
170	4.736	4.913	2.845	3.981	4.800	4.875	3.321	6.031	160-170	1.414	447.3	99.9,103
180	5.190	4.884	2.656	5.053	5.209	4.882	2.645	5.069	170-180	0.4344	447.8	100,103
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

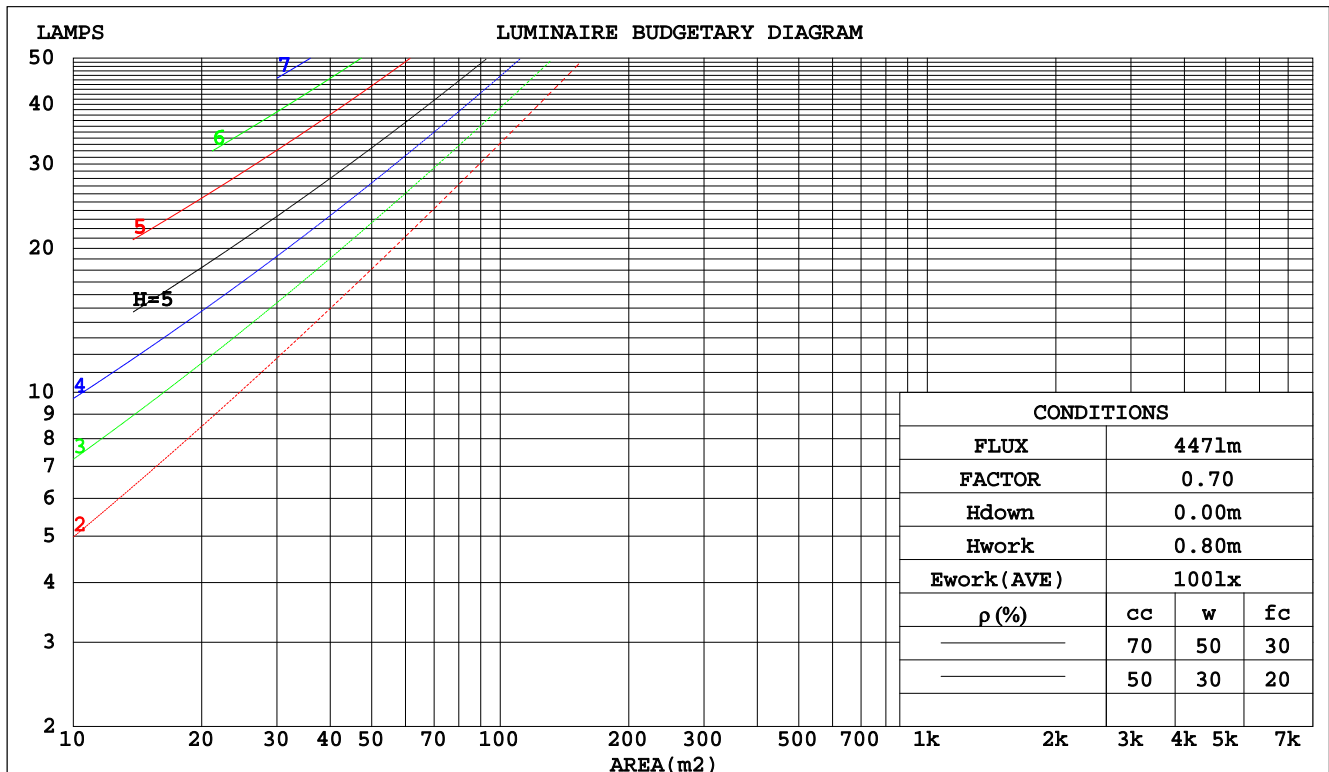
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SPEC.:
MFR.:	SUR.:16*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	1.13	1.13	1.13	1.03	1.03	1.03	.95	.95	.95	.87	.87	.87	.83
1.0	.99	.93	.88	.94	.90	.85	.86	.82	.79	.79	.76	.73	.72	.69	.67	.64
2.0	.85	.77	.70	.81	.74	.68	.74	.68	.63	.67	.63	.59	.62	.58	.54	.51
3.0	.74	.64	.57	.70	.62	.55	.64	.57	.52	.59	.53	.48	.54	.49	.45	.42
4.0	.65	.55	.48	.62	.53	.46	.57	.49	.43	.52	.46	.41	.47	.42	.38	.35
5.0	.57	.48	.41	.55	.46	.39	.51	.43	.37	.46	.40	.35	.42	.37	.33	.30
6.0	.51	.42	.35	.49	.41	.34	.45	.38	.32	.42	.35	.30	.38	.33	.29	.26
7.0	.46	.37	.31	.45	.36	.30	.41	.34	.28	.38	.32	.27	.35	.29	.25	.23
8.0	.42	.33	.27	.41	.32	.26	.38	.30	.25	.35	.28	.24	.32	.27	.22	.20
9.0	.39	.30	.24	.37	.29	.24	.35	.27	.22	.32	.26	.21	.30	.24	.20	.18
10.0	.35	.27	.22	.34	.27	.21	.32	.25	.20	.30	.24	.19	.27	.22	.18	.16



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-12-18

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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SPEC.:
MFR.:	SUR.:16*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	.388 .221 .070	.374 .214 .068	.349 .200 .064	.326 .188 .060	.304 .176 .057	
2.0	.337 .185 .057	.325 .179 .055	.302 .168 .052	.281 .158 .049	.262 .148 .047	
3.0	.300 .160 .048	.289 .155 .047	.269 .146 .044	.250 .137 .042	.232 .128 .040	
4.0	.271 .141 .041	.261 .137 .040	.242 .128 .038	.225 .121 .036	.208 .113 .035	
5.0	.247 .126 .036	.238 .122 .036	.221 .115 .034	.205 .108 .032	.190 .101 .030	
6.0	.226 .113 .032	.218 .110 .032	.202 .104 .030	.188 .098 .029	.174 .092 .027	
7.0	.209 .103 .029	.201 .100 .029	.187 .095 .027	.174 .089 .026	.161 .084 .025	
8.0	.194 .095 .027	.187 .092 .026	.174 .087 .025	.161 .082 .024	.150 .077 .022	
9.0	.181 .087 .024	.174 .085 .024	.162 .080 .023	.151 .076 .022	.140 .071 .021	
10.0	.169 .081 .023	.163 .079 .022	.152 .075 .021	.142 .070 .020	.132 .066 .019	

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	.349 .349 .349	.298 .298 .298	.204 .204 .204	.117 .117 .117	.037 .037 .037	
1.0	.345 .314 .287	.295 .270 .247	.202 .186 .171	.116 .107 .099	.037 .035 .032	
2.0	.337 .291 .252	.289 .250 .217	.198 .173 .152	.114 .101 .089	.037 .033 .029	
3.0	.330 .274 .229	.283 .236 .199	.194 .164 .139	.112 .096 .082	.036 .031 .027	
4.0	.322 .261 .214	.276 .225 .186	.190 .157 .131	.110 .092 .078	.035 .030 .026	
5.0	.314 .251 .204	.269 .217 .178	.186 .152 .125	.108 .089 .074	.035 .029 .025	
6.0	.306 .243 .197	.263 .210 .171	.182 .147 .121	.105 .086 .072	.034 .028 .024	
7.0	.299 .236 .192	.257 .204 .167	.178 .143 .118	.103 .084 .070	.033 .028 .023	
8.0	.292 .230 .187	.251 .200 .163	.174 .140 .116	.101 .083 .069	.033 .027 .023	
9.0	.286 .225 .184	.246 .195 .161	.171 .137 .114	.099 .081 .068	.032 .027 .023	
10.0	.280 .221 .182	.241 .192 .159	.167 .135 .113	.098 .080 .067	.032 .026 .022	

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW						WEIGHT:0.49kg/m					
DIM.: 11.5*29mm						SPEC.:			SERIAL No.:		
MFR.:						SUR.:16*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		17.3	18.6	17.8	19.2	19.7	18.4	19.8	18.9	20.3	20.9
3H		19.0	20.2	19.6	20.8	21.4	20.9	22.1	21.4	22.7	23.3
4H		19.7	20.9	20.3	21.5	22.1	22.2	23.4	22.8	24.0	24.6
6H		20.4	21.5	21.0	22.1	22.7	23.8	24.9	24.3	25.5	26.1
8H		20.6	21.7	21.2	22.3	23.0	24.6	25.7	25.2	26.3	27.0
12H		20.8	21.8	21.4	22.4	23.1	25.6	26.6	26.2	27.2	27.9
4H 2H		18.2	19.4	18.8	20.0	20.6	19.0	20.2	19.6	20.8	21.4
3H		20.2	21.2	20.8	21.8	22.5	21.8	22.8	22.4	23.4	24.1
4H		21.1	22.0	21.7	22.7	23.4	23.3	24.2	23.9	24.9	25.6
6H		21.9	22.8	22.6	23.4	24.2	25.0	25.9	25.7	26.5	27.3
8H		22.3	23.1	23.0	23.7	24.5	26.0	26.8	26.7	27.4	28.2
12H		22.5	23.3	23.2	24.0	24.8	27.1	27.8	27.8	28.5	29.3
8H 4H		21.9	22.7	22.6	23.4	24.2	23.7	24.5	24.4	25.2	25.9
6H		23.1	23.8	23.8	24.5	25.3	25.7	26.4	26.4	27.1	27.9
8H		23.7	24.3	24.4	25.0	25.8	26.9	27.5	27.6	28.2	29.1
12H		24.2	24.7	24.9	25.4	26.3	28.3	28.8	29.0	29.5	30.4
12H 4H		22.2	22.9	22.9	23.6	24.4	23.7	24.5	24.4	25.2	26.0
6H		23.6	24.1	24.3	24.9	25.7	25.9	26.5	26.6	27.2	28.0
8H		24.3	24.8	25.0	25.5	26.4	27.2	27.7	27.9	28.4	29.3
Variations with the observer position at spacings:											
S = 1.0H		+ 0.1 / - 0.1					+ 0.1 / - 0.1				
1.5H		+ 0.2 / - 0.3					+ 0.2 / - 0.3				
2.0H		+ 0.2 / - 0.4					+ 0.2 / - 0.4				

CIE Pub.117 Corrected 434.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.9)

C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

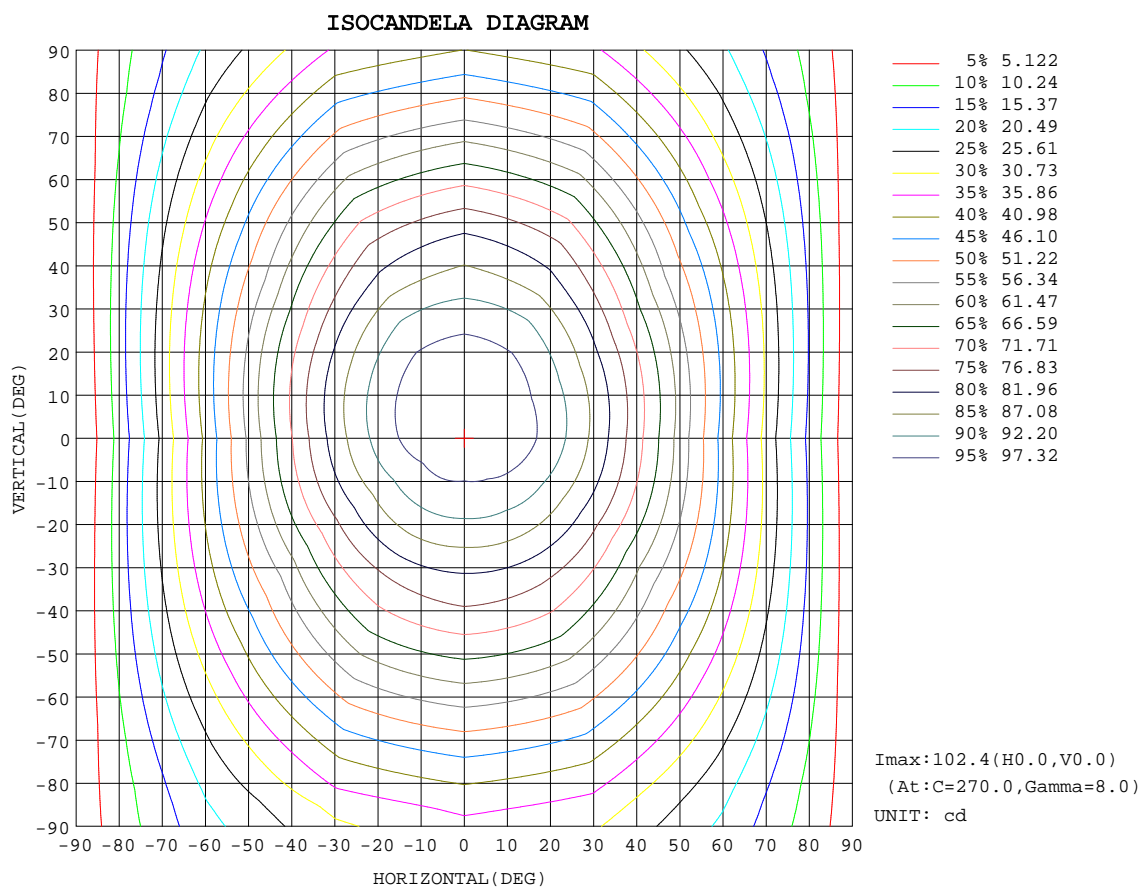
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	49	37	29	48	36	29	46	35	29	22
0.80	59	46	38	57	45	37	54	43	36	28
1.00	67	54	45	65	53	45	61	53	43	34
1.25	74	61	52	72	60	52	67	57	50	40
1.50	79	67	58	76	65	57	71	62	55	44
2.00	87	75	67	83	73	65	77	69	62	50
2.50	91	81	73	88	78	71	81	73	67	54
3.00	95	86	78	91	83	76	84	77	72	58
4.00	100	92	85	96	89	83	88	82	77	62
5.00	103	96	90	99	92	87	91	86	81	65
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:25.3DEG  
Operators:shan  
Test Date:2018-12-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

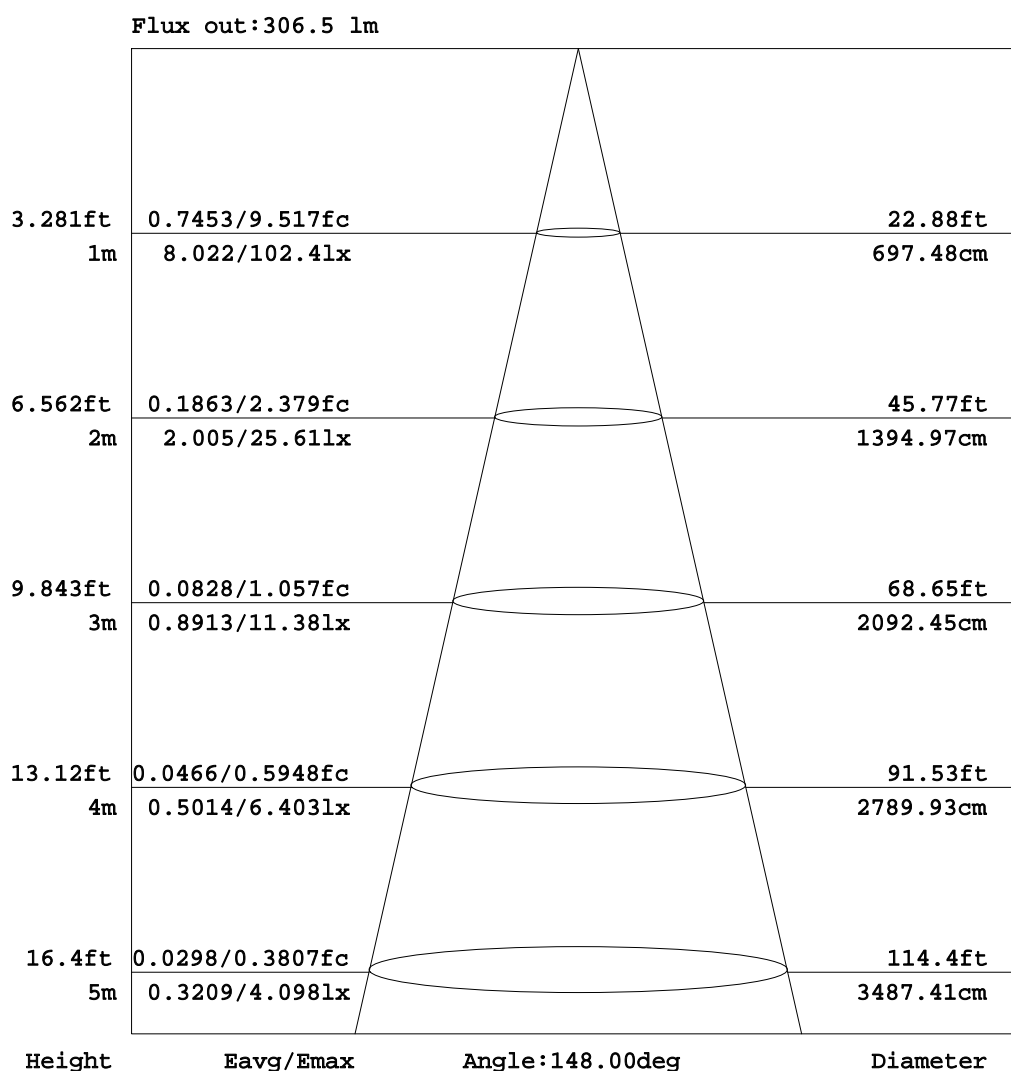


C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SPEC.:	SERIAL No.:
MFR.:	SUR.:16*1000mm	PROTECTION ANGLE:



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

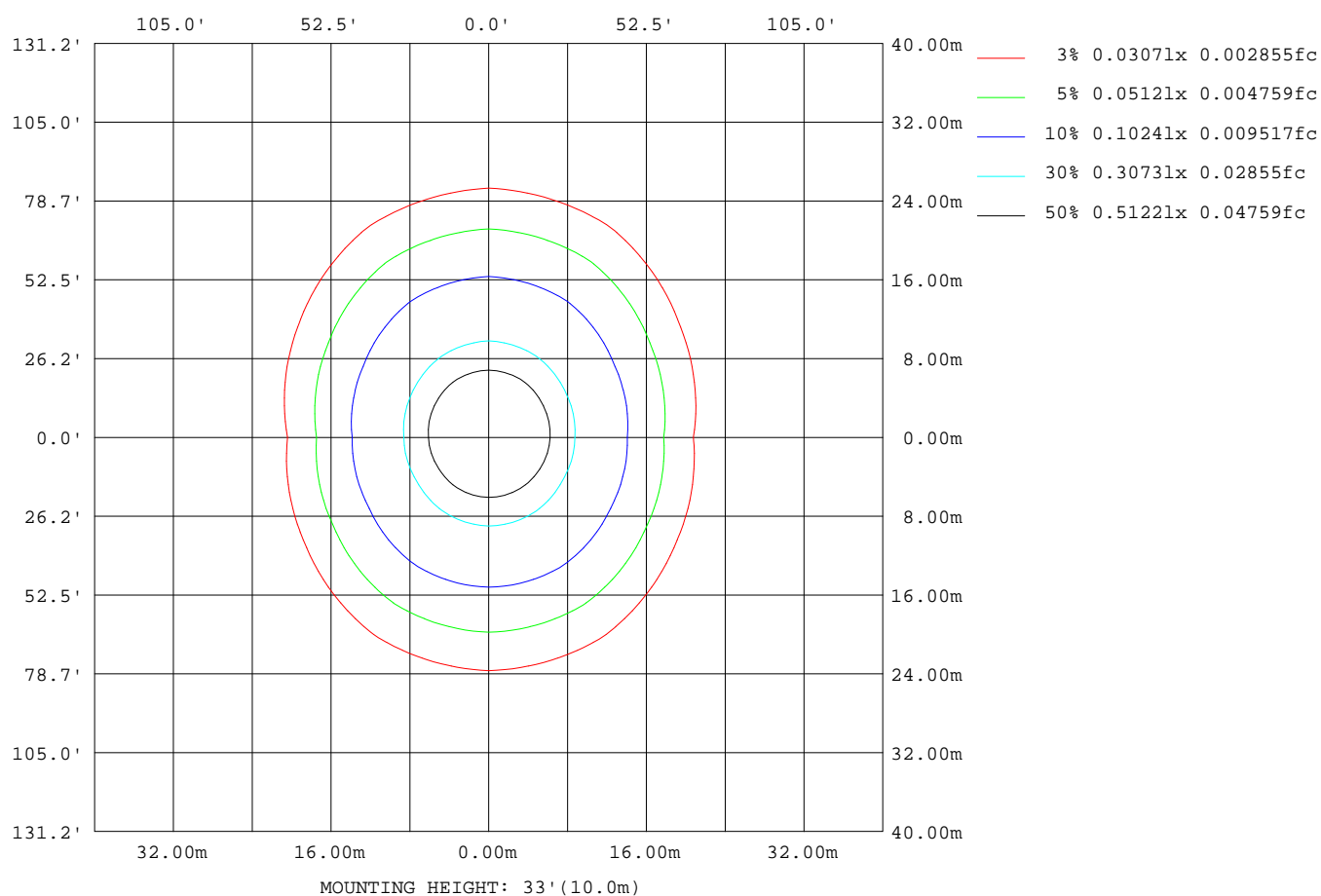
C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SPEC.:
MFR.:	SUR.:16*1000mm
	PROTECTION ANGLE:



C Range: 0 - 360DEG  
C Interval: 30.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-12-18

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SERIAL No.:
MFR.:	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	434.32	lm
Multiplying factor	K	1	
Luminous area in horizontal plane used in calculations	A	0.016	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	5600	5639	5737	5895	6173	6469	6737	6864	6924	6925	6887	6791	6631	6339	6020	5718	5501	5374	5363
60	5480	5623	5817	6063	6423	6790	7116	7278	7358	7363	7316	7196	6998	6648	6258	5872	5523	5282	5204
65	5360	5636	5957	6323	6807	7283	7699	7914	8021	8029	7972	7819	7565	7126	6626	6115	5587	5197	5035
70	5240	5716	6227	6776	7447	8093	8649	8941	9088	9103	9030	8829	8490	7912	7241	6537	5745	5134	4845
75	5123	5950	6793	7653	8640	9565	10348	10766	10975	10997	10901	10624	10149	9348	8400	7377	6120	5115	4598
80	5014	6605	8151	9652	11248	12699	13901	14559	14890	14927	14786	14361	13627	12415	10945	9304	7092	5266	4264
85	5016	9017	12742	16193	19573	22536	24925	26313	27011	27065	26572	25497	23858	21628	18879	15653	10588	6256	3741

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	27065	200	---	500
Category 2	65 to 90	27065	200	---	500
Category 3	75 to 90	27065	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:25.3DEG  
Operators:shan  
Test Date:2018-12-18

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-F21S-HB-D24CC-RGBW(4000K)-56-5050-1M-RGBW	WEIGHT:0.49kg/m
DIM.: 11.5*29mm	SERIAL No.:
MFR.:	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	101	101	101	101	101	101	101	101	101	101	101	101						
5	101	101	100	100	100	101	101	102	102	102	102	102						
10	99.8	98.7	98.0	97.8	98.0	98.3	99.2	100	102	102	102	101						
15	98.0	96.6	95.8	95.6	95.7	96.0	97.1	99.0	101	102	101	99.6						
20	94.2	92.5	91.9	91.8	91.6	91.7	92.9	95.7	98.9	99.7	98.9	96.6						
25	90.9	89.1	88.9	88.7	88.5	88.1	89.4	92.8	96.8	98.0	96.8	93.8						
30	85.0	83.3	83.7	83.5	83.1	82.1	83.3	87.6	92.9	94.5	93.1	88.7						
35	80.5	79.0	79.9	80.6	79.1	77.8	78.6	83.5	89.7	91.6	89.9	84.7						
40	72.9	72.1	75.3	76.6	74.3	70.7	70.8	76.8	84.1	87.7	84.5	78.0						
45	67.5	67.1	72.1	73.5	71.1	65.7	65.3	72.0	81.1	85.1	81.5	73.2						
50	58.8	59.7	66.7	68.1	65.7	58.1	56.7	64.3	76.1	80.3	76.5	65.5						
55	52.9	55.2	62.8	64.5	61.8	53.6	50.7	59.1	72.3	76.6	72.6	60.1						
60	43.8	48.5	56.9	58.9	56.0	47.0	41.6	51.9	66.1	70.7	66.4	53.0						
65	37.8	43.9	53.0	55.2	52.1	42.5	35.5	47.3	61.8	66.7	62.2	48.3						
70	28.7	37.1	47.3	49.8	46.5	35.8	26.5	40.2	55.6	60.6	55.9	41.0						
75	22.7	32.7	43.7	46.4	42.9	31.6	20.5	35.6	51.5	56.5	51.8	36.3						
80	13.9	26.8	38.6	41.5	37.9	25.8	11.8	29.4	45.6	50.5	45.9	29.9						
85	8.34	23.4	35.5	38.5	34.4	22.6	6.44	25.7	41.9	46.7	42.1	26.1						
90	2.10	19.4	31.5	34.5	30.0	18.8	1.76	21.2	36.7	41.3	36.9	21.4						
95	2.02	17.4	29.2	32.2	26.4	17.0	1.72	18.9	33.6	38.0	33.8	19.0						
100	2.23	15.3	26.1	29.0	23.2	13.7	1.93	15.3	28.4	33.8	29.9	16.5						
105	2.41	14.3	24.3	27.1	21.1	13.1	2.09	14.7	23.6	31.3	27.6	15.3						
110	2.64	13.2	22.0	24.5	18.6	11.7	2.32	13.0	21.2	28.0	24.7	14.1						
115	2.77	12.5	20.6	23.0	18.6	10.3	2.47	11.5	20.9	26.1	23.0	13.5						
120	2.93	11.8	18.8	20.9	15.5	8.82	2.64	9.90	18.0	23.6	20.9	12.7						
125	3.01	11.2	17.7	19.6	13.6	7.94	2.73	9.01	15.6	21.9	19.6	12.2						
130	3.10	9.93	16.1	16.5	11.5	6.53	2.85	7.79	13.1	19.3	17.8	11.4						
135	3.16	9.14	15.2	16.1	10.2	5.83	2.90	6.70	11.6	17.4	16.8	10.5						
140	3.21	8.03	13.4	14.2	8.35	4.97	2.96	5.70	9.62	14.9	15.1	9.26						
145	3.33	7.42	12.2	12.3	7.53	4.56	3.20	5.25	8.48	13.7	14.0	8.56						
150	3.67	6.43	10.1	10.00	5.69	4.45	3.63	5.20	6.64	11.3	11.7	7.63						
155	3.88	5.93	8.93	8.56	4.79	4.43	3.93	5.21	5.55	9.71	10.3	7.19						
160	4.21	5.26	7.36	6.76	3.94	4.33	4.28	5.17	4.59	6.89	8.66	6.55						
165	4.41	4.91	6.37	3.60	3.74	4.25	4.49	5.13	4.55	4.14	7.74	6.13						
170	4.74	4.74	5.09	2.85	3.68	4.28	4.80	5.15	4.59	3.32	6.43	5.63						
175	4.95	5.05	4.61	2.50	3.71	4.47	4.99	5.22	4.62	2.93	5.65	5.36						
180	5.19	5.11	4.66	2.66	4.79	5.31	5.21	5.10	4.66	2.64	4.80	5.34						

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