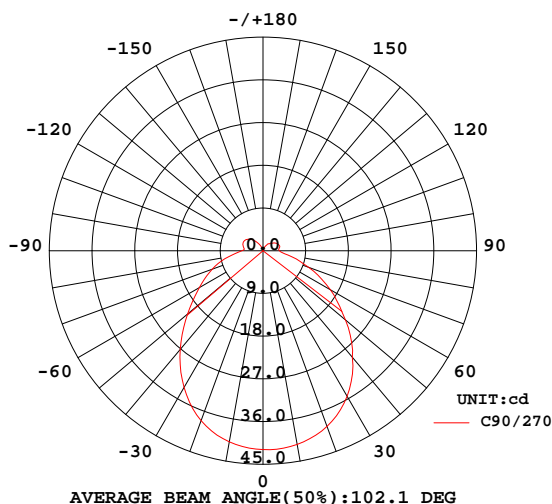


LUMINAIRE PHOTOMETRIC TEST REPORT

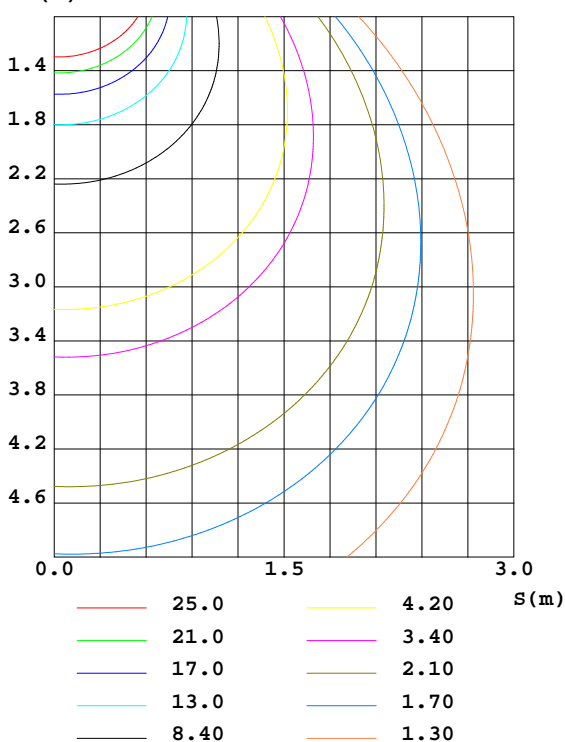
NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-R	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.:
MFR.:	SUR.:15.5*1000mm
	PROTECTION ANGLE:/

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 26.56 lm/W
MODEL	5050	Imax(cd)	42.19	S/MH(C0/180)	1.28	
NOMINAL POWER(W)	4.74	LOR(%)	119.9	S/MH(C90/270)	1.19	
RATED VOLTAGE(V)	24	TOTAL FLUX(lm)	125.89	$\eta$ UP,DN(C0-180)	5.5,53.3	
NOMINAL FLUX(lm)	105	CIE CLASS	DIRECT	$\eta$ UP,DN(C180-360)	5.3,55.8	
LAMPS INSIDE	1	$\eta$ up(%)	10.8	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	24	$\eta$ down(%)	109.1	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

$\gamma$  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:

### ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

$\gamma$	C0	C45	C90	C135	C180	C225	C270	C315	$\gamma$	$\Phi$ zone	$\Phi$ total	%lum, lamp
10	41.78	41.43	40.88	40.17	40.36	40.81	41.44	42.11	0- 10	3.963	3.963	3.15,3.77
20	39.95	39.31	38.11	36.93	37.30	38.16	39.41	40.66	10- 20	11.32	15.29	12.1,14.6
30	36.20	34.99	33.27	31.91	32.62	33.81	35.43	37.34	20- 30	16.95	32.24	25.6,30.7
40	30.45	28.76	27.13	25.81	26.51	27.89	29.30	32.08	30- 40	19.79	52.02	41.3,49.5
50	23.41	21.81	20.74	19.72	20.16	21.25	22.67	25.44	40- 50	19.52	71.54	56.8,68.1
60	16.39	15.71	15.47	14.46	14.16	15.21	16.38	18.51	50- 60	16.88	88.42	70.2,84.2
70	10.12	10.86	11.41	10.08	8.838	10.08	10.29	12.30	60- 70	13.10	101.5	80.6,96.7
80	4.383	6.457	7.424	5.966	3.675	5.416	5.380	6.996	70- 80	8.742	110.3	87.6,105
90	0.0015	2.922	4.500	3.077	0	2.593	3.487	3.583	80- 90	4.335	114.6	91,109
100	0	2.746	4.156	2.494	0	2.533	3.502	2.880	90-100	2.572	117.2	93.1,112
110	0	2.848	4.514	2.742	0	2.590	3.595	3.018	100-110	2.558	119.7	95.1,114
120	0	2.591	4.433	2.296	0	1.924	3.202	2.870	110-120	2.328	122.1	97,116
130	0	2.014	3.830	1.693	0	1.286	2.511	2.459	120-130	1.779	123.8	98.4,118
140	0	1.295	2.790	1.119	0	0.6660	1.935	1.770	130-140	1.134	125.0	99.3,119
150	0.0618	0.7728	1.540	0.7192	0	0.3289	1.208	1.109	140-150	0.5983	125.6	99.7,120
160	0.0914	0.3851	0.6702	0.4514	0.0405	0.2883	0.2543	0.5522	150-160	0.2476	125.8	99.9,120
170	0.1237	0.1831	0.1359	0.1296	0.1130	0.1967	0	0.1652	160-170	0.0686	125.9	100,120
180	0.1345	0.1455	0	0.0027	0.1453	0.1374	0	0.0027	170-180	0.0087	125.9	100,120
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

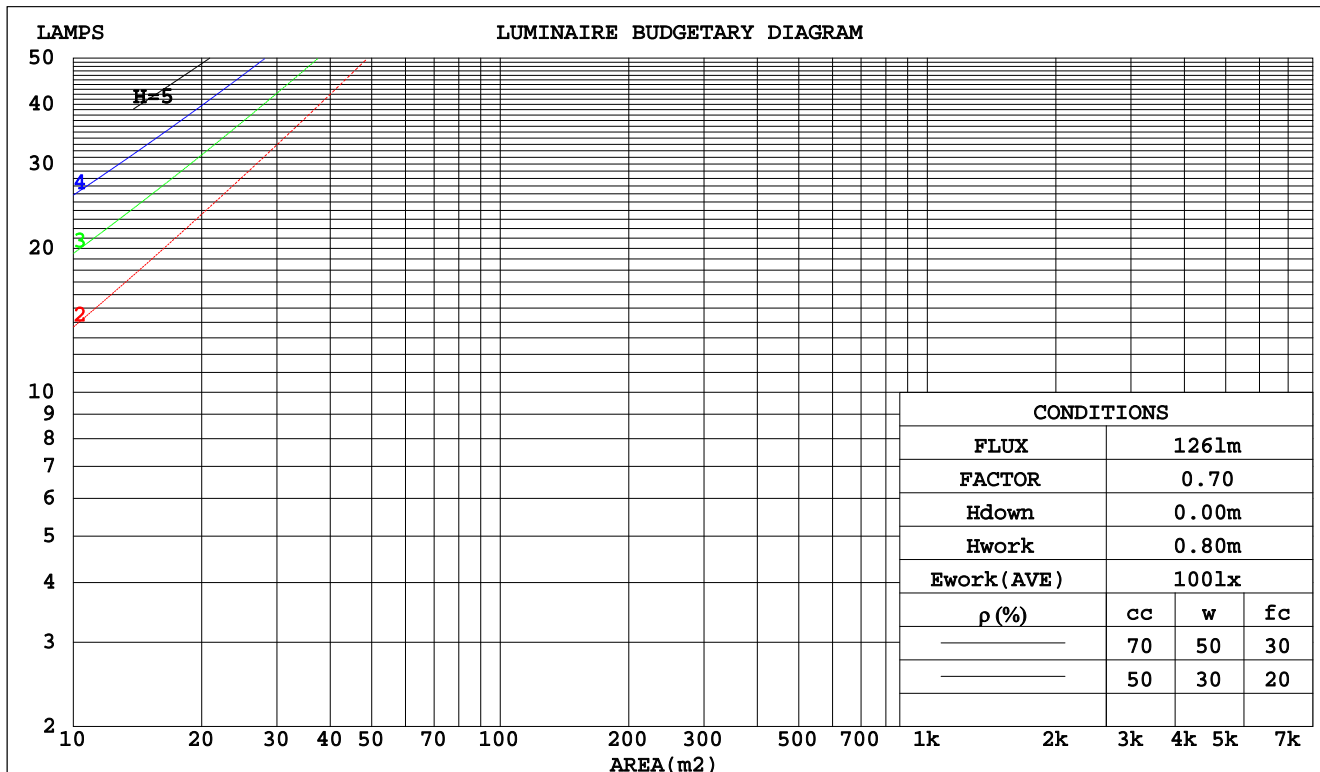
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-09-01

$\gamma$  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-F16S-VB-D24CC-RGB-56-5050-1M-RTYPE: /	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	Coefficients of Utilization(CU)															
0.0	1.40	1.40	1.40	1.36	1.36	1.36	1.27	1.27	1.27	1.20	1.20	1.20	1.12	1.12	1.12	1.09
1.0	1.21	1.16	1.11	1.17	1.13	1.08	1.10	1.06	1.03	1.04	1.01	.98	.98	.95	.93	.90
2.0	1.06	.97	.90	1.02	.95	.88	.96	.90	.85	.91	.86	.81	.86	.82	.78	.75
3.0	.93	.83	.75	.90	.81	.74	.85	.77	.71	.80	.74	.69	.76	.71	.66	.63
4.0	.82	.72	.64	.80	.70	.63	.76	.67	.61	.72	.64	.59	.68	.62	.57	.54
5.0	.74	.63	.55	.72	.62	.54	.68	.59	.53	.64	.57	.51	.61	.55	.50	.47
6.0	.66	.56	.48	.65	.55	.47	.61	.53	.46	.58	.51	.45	.56	.49	.44	.41
7.0	.60	.50	.43	.59	.49	.42	.56	.47	.41	.53	.46	.40	.51	.44	.39	.36
8.0	.55	.45	.38	.54	.44	.38	.51	.43	.37	.49	.41	.36	.47	.40	.35	.33
9.0	.50	.41	.34	.49	.40	.34	.47	.39	.33	.45	.38	.32	.43	.37	.32	.29
10.0	.47	.37	.31	.46	.37	.31	.44	.36	.30	.42	.35	.29	.40	.34	.29	.27



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-RTYPE: /	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	
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 Coefficients(WEC)										
0.0																	
1.0	.386	.219	.069	.374	.213	.068	.352	.202	.064	.332	.191	.061	.313	.181	.058		
2.0	.352	.193	.059	.342	.188	.058	.322	.179	.056	.304	.171	.053	.287	.163	.051		
3.0	.322	.171	.051	.313	.168	.050	.295	.160	.049	.279	.153	.047	.264	.146	.045		
4.0	.296	.154	.045	.287	.150	.044	.271	.144	.043	.257	.138	.042	.243	.132	.040		
5.0	.272	.139	.040	.265	.136	.040	.250	.130	.038	.237	.125	.037	.225	.120	.036		
6.0	.252	.126	.036	.245	.124	.036	.232	.119	.035	.220	.114	.034	.209	.110	.033		
7.0	.234	.116	.033	.228	.114	.032	.216	.109	.032	.205	.105	.031	.195	.101	.030		
8.0	.219	.107	.030	.213	.105	.030	.202	.101	.029	.192	.097	.028	.183	.094	.027		
9.0	.205	.099	.028	.200	.097	.027	.190	.094	.027	.181	.091	.026	.172	.087	.025		
10.0	.193	.092	.026	.188	.091	.025	.179	.088	.025	.170	.085	.024	.162	.082	.023		

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	.310	.310	.310	.265	.265	.265	.181	.181	.181	.104	.104	.104	.033	.033	.033	
1.0	.300	.270	.243	.257	.231	.209	.175	.159	.144	.101	.092	.084	.032	.030	.027	
2.0	.290	.241	.200	.248	.208	.173	.170	.144	.121	.098	.084	.071	.031	.027	.023	
3.0	.281	.221	.173	.241	.190	.150	.165	.132	.105	.095	.077	.062	.031	.025	.020	
4.0	.271	.205	.154	.233	.177	.134	.160	.123	.094	.093	.072	.056	.030	.024	.018	
5.0	.262	.193	.141	.225	.167	.123	.155	.117	.087	.090	.068	.052	.029	.022	.017	
6.0	.254	.183	.132	.218	.158	.115	.150	.111	.081	.087	.065	.048	.028	.021	.016	
7.0	.246	.175	.125	.211	.151	.109	.146	.106	.077	.085	.063	.046	.027	.020	.015	
8.0	.238	.168	.120	.205	.146	.104	.142	.102	.074	.082	.060	.044	.027	.020	.015	
9.0	.231	.162	.116	.199	.141	.101	.138	.099	.072	.080	.058	.043	.026	.019	.014	
10.0	.224	.157	.112	.193	.136	.098	.134	.096	.070	.078	.057	.042	.025	.019	.014	

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-RTYPE:/						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				
x = 2H y = 2H						Viewed endwise				
3H						14.9	16.3	15.3	16.7	17.1
4H						14.6	16.0	15.0	16.3	16.7
6H						16.4	17.7	16.8	18.0	18.5
8H						17.3	18.6	17.8	19.0	19.4
12H						17.0	18.2	17.5	18.6	19.1
						17.5	18.6	17.9	19.1	19.5
						18.3	19.4	18.7	19.8	20.3
						17.6	18.7	18.1	19.2	19.6
						18.7	19.8	19.2	20.3	20.8
						17.7	18.7	18.2	19.2	19.7
						19.3	20.3	19.7	20.8	21.3
4H 2H						15.5	16.7	15.9	17.1	17.5
3H						15.2	16.4	15.6	16.8	17.2
4H						17.2	18.3	17.7	18.7	19.2
6H						17.9	18.9	18.5	19.4	19.9
8H						18.3	19.3	18.8	19.8	20.3
12H						18.6	19.4	19.1	20.0	20.5
						19.5	20.3	20.0	20.8	21.4
						18.8	19.6	19.3	20.1	20.7
						20.0	20.8	20.6	21.3	21.9
						18.9	19.6	19.5	20.2	20.8
						20.7	21.4	21.2	21.9	22.5
8H 4H						18.3	19.1	18.9	19.7	20.2
6H						18.7	19.5	19.2	20.0	20.6
8H						19.2	19.9	19.8	20.4	21.0
12H						20.0	20.7	20.6	21.3	21.9
						19.5	20.1	20.1	20.7	21.3
						20.8	21.4	21.4	21.9	22.6
						19.8	20.3	20.4	20.9	21.5
						21.6	22.1	22.2	22.7	23.4
12H 4H						18.4	19.2	19.0	19.7	20.3
6H						18.7	19.5	19.3	20.0	20.6
8H						19.4	20.0	20.0	20.5	21.2
						20.1	20.7	20.7	21.3	22.0
						19.8	20.3	20.4	20.9	21.6
						20.9	21.5	21.6	22.1	22.7
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 105.0 lm Total Lamp Luminous Flux.(8log(F/F0) = -7.8)

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-RTYPE: /	WEIGHT: 0.129kg/m
DIM.: 15.5*6mm	SPEC.: SERIAL No.:
MFR.:	SUR.: 15.5*1000mm PROTECTION ANGLE: /

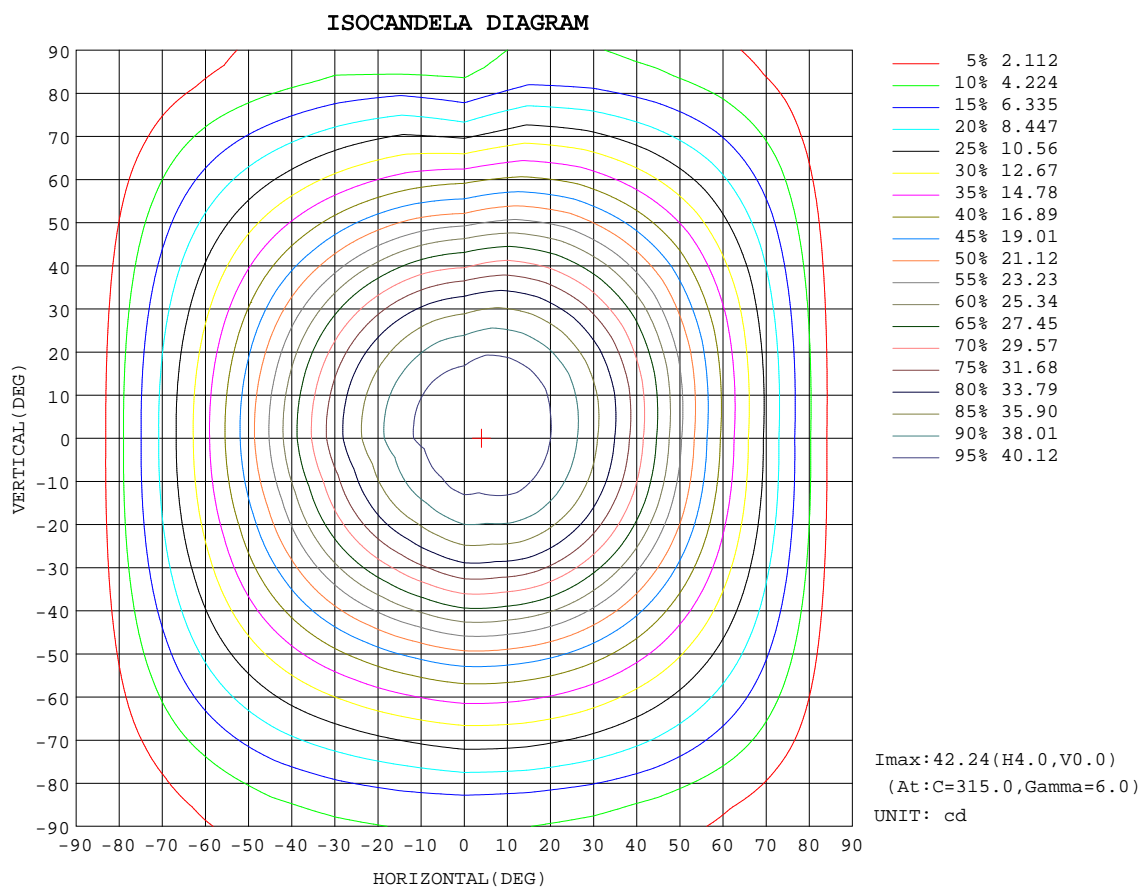
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT)    k(RI) x RCR = 5									
k = 0.60	66	53	44	65	52	44	63	51	44	36
0.80	78	64	55	76	63	55	74	62	54	45
1.00	88	74	65	86	73	64	82	74	63	54
1.25	96	83	74	93	81	73	89	79	72	62
1.50	102	89	80	99	88	80	94	85	78	67
2.00	110	99	91	107	97	89	101	93	86	75
2.50	114	104	97	111	102	95	105	98	92	80
3.00	118	110	102	115	107	100	109	102	97	84
4.00	123	116	110	120	113	107	113	107	103	89
5.00	126	120	115	123	117	112	115	111	107	92
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: 2018-09-01

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

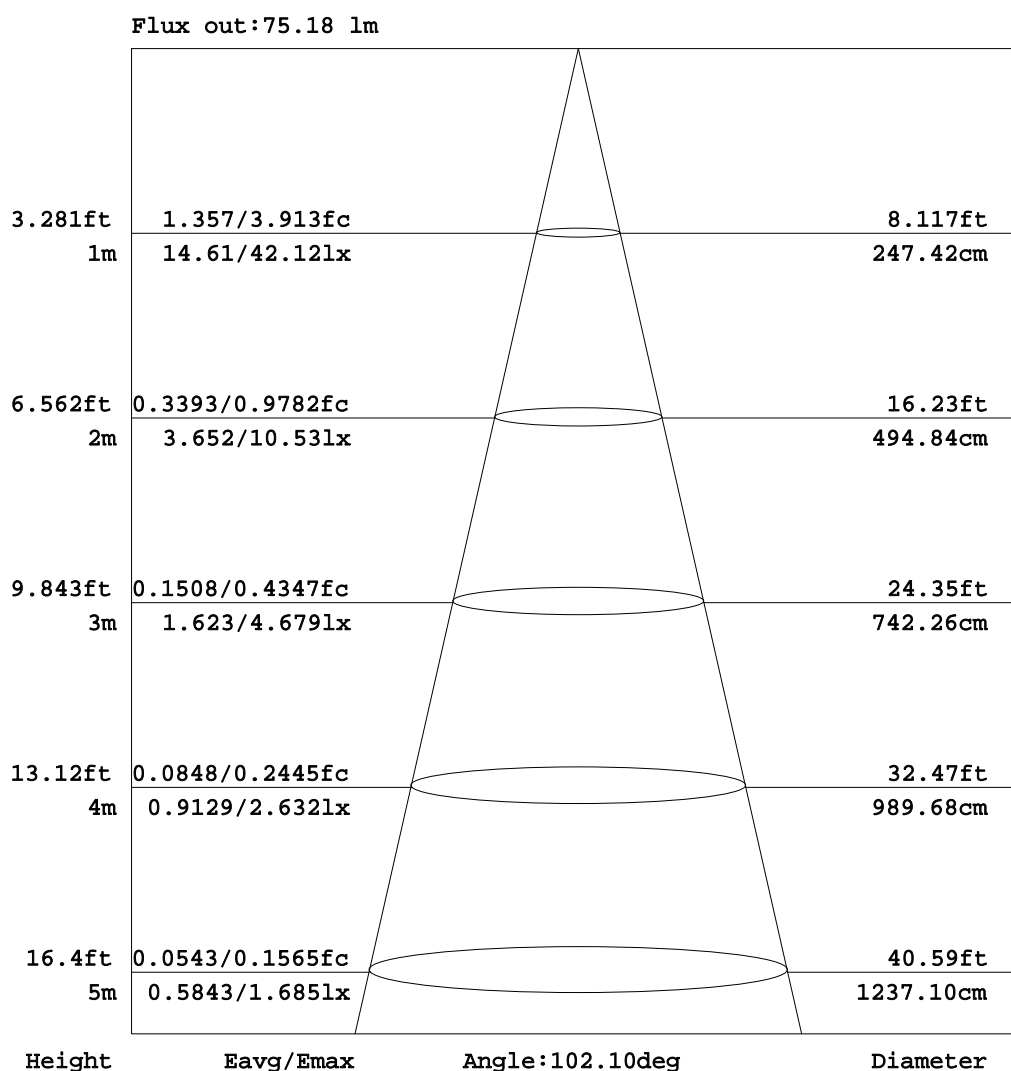


C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25.3DEG  
Operators: shan  
Test Date: 2018-09-01

$\gamma$  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-F16S-VB-D24CC-RGB-56-5050-1M-RTYPE:/	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.:
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.

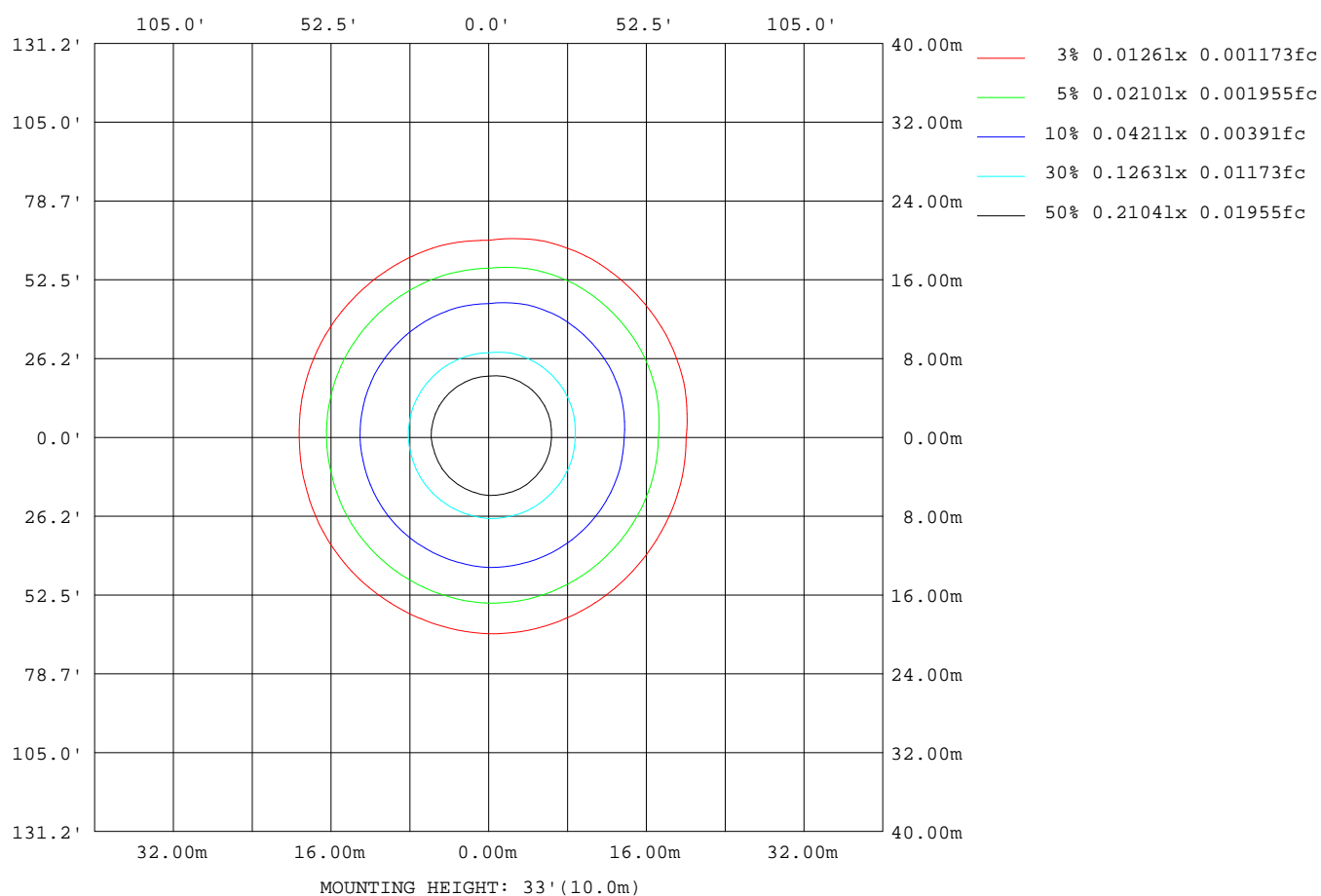
C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:shan  
Test Date:2018-09-01

$\gamma$  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:



### ISOLUX DIAGRAM

NAME: C-SFR-F16S-VB-D24CC-RGB-56-5050-1M-RTYPE: /	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

$\gamma$  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-F16S-VB-D24CC-RGB-56-5050-1M-RTYPE:/	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.:
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	105	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	2229	2210	2177	2136	2105	2082	2067	2055	2039	2015	1968	1933	1916	1909	1906	1904	1899	1905	1922
60	2115	2101	2078	2051	2033	2023	2021	2023	2017	1997	1952	1913	1888	1872	1861	1850	1833	1823	1827
65	2008	2012	2007	1999	2003	2017	2038	2057	2060	2039	1987	1938	1903	1877	1849	1818	1786	1758	1747
70	1909	1939	1964	1988	2028	2071	2113	2151	2167	2152	2086	2020	1969	1924	1873	1813	1754	1699	1667
75	1801	1879	1951	2024	2117	2206	2283	2349	2381	2363	2277	2187	2112	2035	1942	1833	1729	1626	1560
80	1629	1795	1960	2126	2311	2475	2604	2705	2762	2758	2662	2552	2442	2300	2117	1904	1703	1502	1365
85	1185	1604	2026	2459	2946	3377	3715	3978	4140	4187	4115	3947	3692	3362	2911	2364	1806	1258	886

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	4187	200	---	500
Category 2	65 to 90	4187	200	---	500
Category 3	75 to 90	4187	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-RTYPE:/	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	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9	41.9
5	42.0	42.0	42.0	41.9	41.7	41.7	41.7	41.5	41.4	41.4	41.4	41.4	41.5	41.5	41.6	41.7	41.8	41.9	41.9
10	41.8	41.7	41.6	41.4	41.1	41.0	40.9	40.5	40.3	40.2	40.1	40.1	40.4	40.5	40.6	40.8	41.2	41.4	41.4
15	41.3	41.1	41.0	40.8	40.4	40.2	40.0	39.5	39.2	39.1	39.0	39.0	39.3	39.5	39.7	40.0	40.4	40.8	40.8
20	39.9	39.8	39.6	39.3	38.9	38.4	38.1	37.4	37.0	36.9	36.9	36.9	37.3	37.5	37.8	38.2	38.7	39.3	39.4
25	38.7	38.5	38.2	37.8	37.4	36.8	36.4	35.6	35.2	35.1	35.1	35.1	35.6	35.9	36.2	36.6	37.2	37.9	38.1
30	36.2	35.9	35.5	35.0	34.5	33.7	33.3	32.3	32.0	31.9	31.9	32.0	32.6	32.9	33.4	33.8	34.4	35.2	35.4
35	34.1	33.8	33.3	32.7	32.1	31.4	30.9	30.0	29.6	29.5	29.6	29.7	30.3	30.6	31.1	31.6	32.2	32.9	33.3
40	30.5	30.1	29.5	28.8	28.2	27.6	27.1	26.2	25.9	25.8	25.9	26.0	26.5	26.9	27.4	27.9	28.5	29.2	29.3
45	27.7	27.3	26.7	26.0	25.5	25.0	24.5	23.7	23.4	23.3	23.3	23.4	23.9	24.3	24.8	25.2	25.8	26.6	26.9
50	23.4	23.0	22.4	21.8	21.4	21.1	20.7	20.0	19.8	19.7	19.7	19.8	20.2	20.5	20.9	21.2	21.8	22.5	22.7
55	20.5	20.2	19.6	19.2	19.0	18.8	18.5	17.8	17.6	17.5	17.5	17.5	17.7	18.0	18.4	18.7	19.3	19.9	20.0
60	16.4	16.2	15.9	15.7	15.7	15.7	15.5	15.0	14.6	14.5	14.3	14.2	14.2	14.5	14.9	15.2	15.6	16.2	16.4
65	13.8	13.8	13.6	13.6	13.8	13.9	13.8	13.2	12.9	12.6	12.4	12.1	12.0	12.3	12.7	13.0	13.5	14.0	13.8
70	10.1	10.4	10.5	10.9	11.2	11.5	11.4	10.9	10.4	10.1	9.61	9.16	8.84	9.21	9.65	10.1	10.6	11.1	10.3
75	7.80	8.22	8.60	9.11	9.57	9.91	9.87	9.32	8.86	8.41	7.80	7.22	6.76	7.18	7.72	8.21	8.77	9.21	8.12
80	4.38	5.06	5.72	6.46	7.01	7.37	7.42	7.00	6.57	5.97	5.12	4.33	3.67	4.17	4.84	5.42	6.02	6.29	5.38
85	2.13	2.96	3.79	4.69	5.36	5.81	5.95	5.74	5.27	4.58	3.53	2.49	1.64	2.21	3.00	3.75	4.44	4.42	4.13
90	0.00	0.67	1.83	2.92	3.78	4.27	4.50	4.31	3.87	3.08	1.98	0.76	0.00	0.55	1.64	2.59	3.14	3.35	3.49
95	0.00	0.54	1.61	2.56	3.31	3.77	3.99	3.82	3.12	2.63	1.68	0.60	0.00	0.47	1.46	2.31	2.99	3.30	3.32
100	0.00	0.58	1.72	2.75	3.53	3.98	4.16	4.00	3.18	2.49	1.71	0.72	0.00	0.56	1.57	2.53	2.88	3.31	3.50
105	0.00	0.57	1.75	2.83	3.66	4.15	4.33	3.96	3.23	2.55	1.81	0.76	0.00	0.61	1.64	2.62	3.28	3.34	3.67
110	0.00	0.43	1.72	2.85	3.74	4.31	4.51	3.73	3.29	2.74	1.76	0.65	0.00	0.47	1.50	2.59	3.25	3.47	3.60
115	0.00	0.33	1.66	2.79	3.72	4.31	4.55	3.75	3.17	2.53	1.64	0.58	0.00	0.34	1.34	2.30	3.33	3.74	3.45
120	0.00	0.22	1.47	2.59	3.53	4.18	4.43	3.59	2.88	2.30	1.43	0.49	0.00	0.19	1.08	1.92	2.83	3.48	3.20
125	0.00	0.15	1.27	2.40	3.32	3.99	4.24	3.29	2.64	2.09	1.25	0.43	0.00	0.12	0.94	1.66	2.45	3.15	2.96
130	0.00	0.11	0.98	2.01	2.88	3.55	3.83	2.86	2.29	1.69	1.02	0.37	0.00	0.05	0.64	1.29	1.87	2.67	2.51
135	0.00	0.10	0.82	1.72	2.56	3.21	3.47	2.42	2.01	1.47	0.89	0.34	0.00	0.01	0.46	1.08	1.56	2.17	2.29
140	0.00	0.10	0.63	1.30	1.99	2.58	2.79	1.55	1.54	1.12	0.72	0.28	0.00	0.00	0.30	0.67	1.13	1.56	1.93
145	0.03	0.10	0.50	1.06	1.61	2.16	2.29	1.33	1.27	0.95	0.61	0.26	0.00	0.00	0.23	0.49	0.87	1.21	1.86
150	0.06	0.09	0.37	0.77	1.14	1.48	1.54	1.11	0.90	0.72	0.51	0.20	0.00	0.03	0.25	0.33	0.49	0.74	1.21
155	0.08	0.09	0.29	0.58	0.86	1.11	1.18	0.82	0.71	0.62	0.43	0.15	0.01	0.06	0.22	0.33	0.35	0.44	1.03
160	0.09	0.10	0.22	0.39	0.54	0.62	0.67	0.53	0.47	0.45	0.29	0.08	0.04	0.09	0.20	0.29	0.20	0.22	0.25
165	0.11	0.10	0.17	0.29	0.37	0.40	0.37	0.36	0.36	0.33	0.20	0.05	0.07	0.11	0.18	0.24	0.17	0.08	0.12
170	0.12	0.12	0.13	0.18	0.21	0.17	0.14	0.13	0.17	0.13	0.07	0.02	0.11	0.12	0.16	0.20	0.15	0.00	0.00
175	0.12	0.12	0.12	0.13	0.14	0.08	0.01	0.03	0.04	0.03	0.02	0.00	0.13	0.13	0.16	0.16	0.12	0.00	0.00
180	0.13	0.14	0.13	0.15	0.13	0.02	0.00	0.00	0.01	0.00	0.01	0.01	0.15	0.14	0.15	0.14	0.13	0.01	0.00

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-RTYPE:/	WEIGHT:0.129kg/m
DIM.: 15.5*6mm	SPEC.: SERIAL No.:
MFR.:	SUR.:15.5*1000mm PROTECTION ANGLE:/

Table--2

UNIT: cd

C(DEC)	285	300	315	330	345														
γ (DEC)																			
0	41.9	41.9	41.9	41.9	41.9														
5	42.0	42.1	42.1	42.2	42.1														
10	41.8	42.0	42.1	42.1	42.0														
15	41.3	41.7	41.8	41.7	41.6														
20	40.1	40.5	40.7	40.7	40.4														
25	38.8	39.4	39.5	39.6	39.3														
30	36.4	37.1	37.3	37.3	37.0														
35	34.4	35.2	35.4	35.4	35.1														
40	30.9	31.8	32.1	32.1	31.6														
45	28.4	29.2	29.6	29.5	29.0														
50	24.4	25.2	25.4	25.4	24.8														
55	21.7	22.5	22.6	22.6	22.0														
60	17.8	18.5	18.5	18.4	17.8														
65	15.4	16.0	15.9	15.7	15.1														
70	12.2	12.5	12.3	12.0	11.4														
75	10.1	10.4	10.1	9.68	9.03														
80	7.28	7.39	7.00	6.43	5.62														
85	5.71	5.69	5.17	4.42	3.44														
90	4.59	4.36	3.58	2.49	1.16														
95	4.16	3.86	3.05	1.94	0.73														
100	4.00	3.60	2.88	1.89	0.76														
105	4.13	3.70	2.96	1.95	0.81														
110	4.23	3.78	3.02	1.99	0.82														
115	4.23	3.76	3.00	1.98	0.77														
120	4.06	3.62	2.87	1.88	0.63														
125	3.86	3.45	2.73	1.78	0.55														
130	3.46	3.10	2.46	1.49	0.43														
135	3.15	2.84	2.23	1.29	0.38														
140	2.66	2.40	1.77	1.04	0.29														
145	2.32	2.04	1.49	0.87	0.24														
150	1.70	1.50	1.11	0.63	0.15														
155	1.36	1.20	0.88	0.47	0.11														
160	0.95	0.81	0.55	0.31	0.07														
165	0.68	0.55	0.38	0.21	0.05														
170	0.29	0.25	0.17	0.09	0.01														
175	0.11	0.11	0.07	0.04	0.00														
180	0.00	0.01	0.00	0.01	0.00														

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: