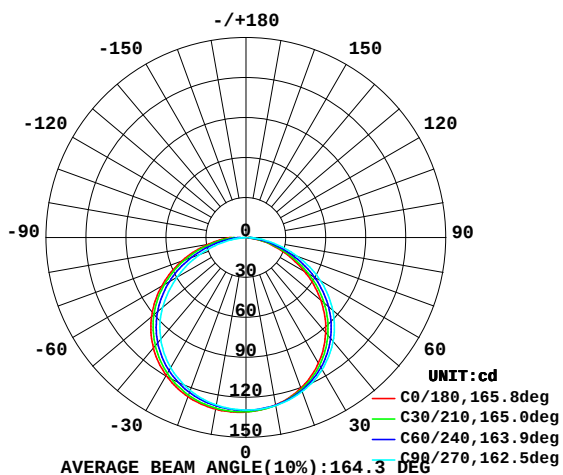


LUMINAIRE PHOTOMETRIC TEST REPORT

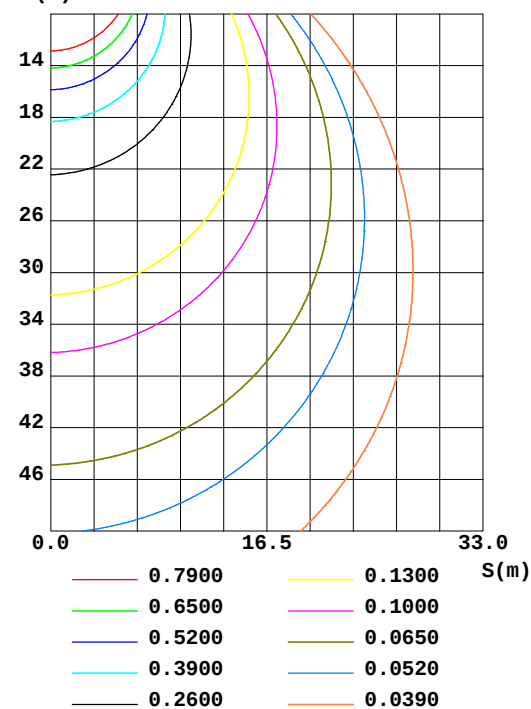
NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 82.16 lm/W
MODEL	SMD 3528/LED	I _{max} (cd)	131.3	S/MH(C0/180)	1.24	
NOMINAL POWER(W)	4.8	LOR(%)	100.0	S/MH(C90/270)	1.31	
RATED VOLTAGE(V)	12	TOTAL FLUX(lm)	394.34	h UP, DN(C0-180)	0.0, 50.5	
NOMINAL FLUX(lm)	394.344	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 49.5	
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	1.25	
TEST VOLTAGE(V)	12	h down(%)	100.0	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:MO
Test Date:2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum, lamp
10	127.7	128.0	128.1	129.1	130.8	129.1	127.7	126.4	0- 10	12.30	12.30	3.12, 3.12
20	120.4	121.9	123.1	125.4	127.2	124.6	122.2	117.7	10- 20	35.54	47.84	12.1, 12.1
30	108.9	111.8	114.4	117.7	119.7	116.5	113.0	106.6	20- 30	54.66	102.5	26, 26
40	93.22	97.46	101.8	105.9	108.2	104.5	99.57	91.72	30- 40	67.08	169.6	43, 43
50	73.39	78.94	84.98	89.93	92.51	88.55	81.77	72.93	40- 50	70.86	240.4	61, 61
60	50.52	56.76	64.34	70.08	73.12	68.82	59.85	50.70	50- 60	64.84	305.3	77.4, 77.4
70	27.62	32.74	40.51	47.36	50.92	46.07	36.26	27.50	60- 70	49.65	354.9	90, 90
80	9.202	12.33	17.36	24.48	28.27	23.16	13.28	8.657	70- 80	28.92	383.8	97.3, 97.3
90	1.346	2.511	2.507	7.666	10.74	6.289	0	0.5910	80- 90	10.50	394.3	100, 100
100									90-100			
110									100-110			
120									110-120			
130									120-130			
140									130-140			
150									140-150			
160									150-160			
170									160-170			
180									170-180			
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

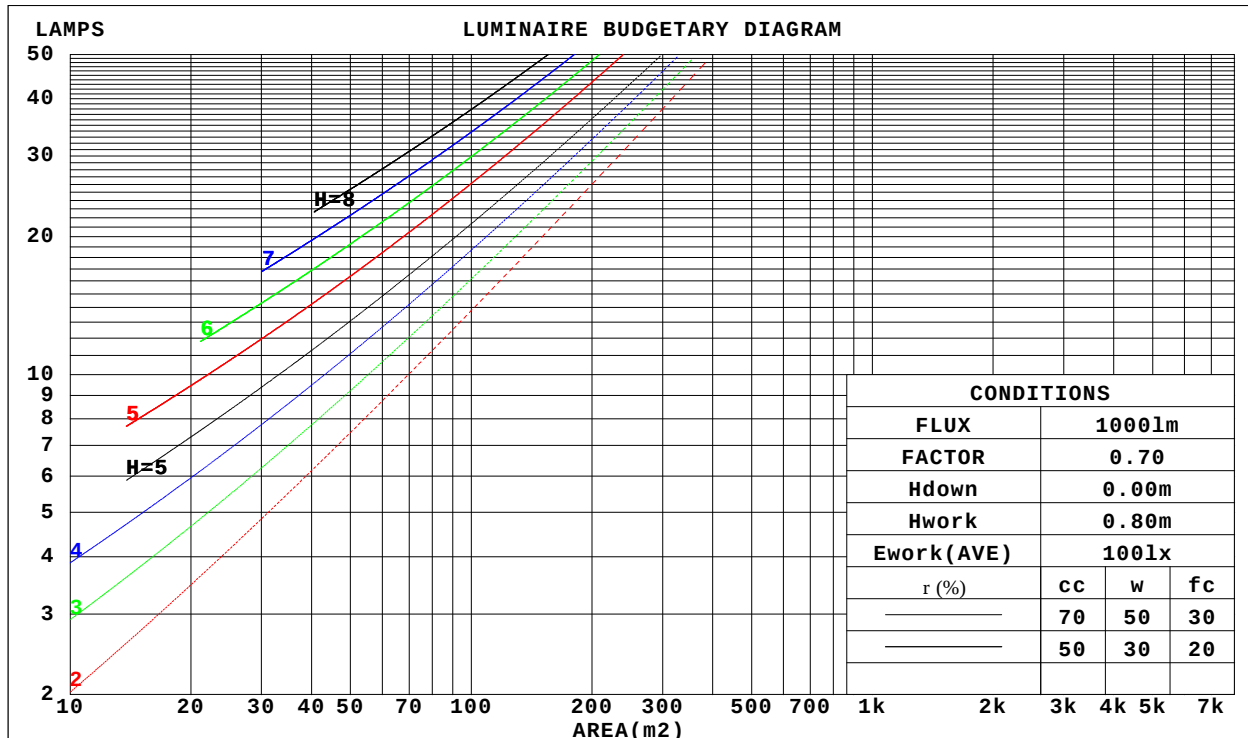
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO
Test Date:2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:

r _{cc}	80%			70%			50%			30%			10%			0
r _w	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r _{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.19	1.19	1.19	1.16	1.16	1.16	1.11	1.11	1.11	1.06	1.06	1.06	1.02	1.02	1.02	.00
1.0	1.03	.99	.95	1.01	.97	.93	.97	.93	.90	.93	.90	.87	.89	.87	.85	.83
2.0	.90	.83	.77	.88	.81	.76	.84	.79	.74	.81	.76	.72	.78	.74	.71	.68
3.0	.79	.70	.63	.77	.69	.63	.74	.67	.62	.71	.65	.61	.69	.64	.60	.57
4.0	.69	.60	.54	.68	.60	.53	.66	.58	.52	.63	.57	.52	.61	.55	.51	.49
5.0	.62	.53	.46	.61	.52	.46	.59	.51	.45	.57	.50	.45	.55	.49	.44	.42
6.0	.56	.46	.40	.55	.46	.40	.53	.45	.39	.51	.44	.39	.50	.43	.39	.37
7.0	.50	.41	.35	.50	.41	.35	.48	.40	.35	.46	.40	.34	.45	.39	.34	.32
8.0	.46	.37	.31	.45	.37	.31	.44	.36	.31	.43	.36	.31	.41	.35	.31	.29
9.0	.42	.34	.28	.41	.33	.28	.40	.33	.28	.39	.32	.28	.38	.32	.28	.26
10.0	.39	.31	.25	.38	.31	.25	.37	.30	.25	.36	.30	.25	.35	.29	.25	.23



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MO
 Test Date:2013-08-27

g Range: 0 - 90DEG
 Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks: Strip,4.8W/M

WEC AND CCEC

NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:

r CC	80%			70%			50%			30%			10%			0
r W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio Wall Exitance Coefficients(WEC)															
0.0																
1.0	.321	.183	.058	.314	.179	.057	.301	.173	.055	.289	.166	.053	.277	.161	.052	
2.0	.299	.164	.050	.293	.161	.050	.281	.156	.049	.270	.152	.047	.260	.147	.046	
3.0	.275	.147	.044	.270	.145	.043	.259	.141	.043	.250	.137	.042	.241	.133	.041	
4.0	.253	.132	.039	.248	.130	.038	.239	.127	.038	.231	.124	.037	.223	.121	.037	
5.0	.234	.119	.035	.229	.118	.034	.221	.115	.034	.214	.113	.034	.206	.110	.033	
6.0	.216	.108	.031	.213	.107	.031	.205	.105	.031	.198	.103	.030	.192	.101	.030	
7.0	.201	.099	.028	.198	.099	.028	.191	.097	.028	.185	.095	.028	.179	.093	.027	
8.0	.188	.092	.026	.185	.091	.026	.179	.089	.026	.173	.088	.025	.168	.086	.025	
9.0	.176	.085	.024	.173	.084	.024	.168	.083	.024	.163	.082	.023	.158	.080	.023	
10.0	.165	.079	.022	.163	.079	.022	.158	.077	.022	.153	.076	.022	.149	.075	.022	

r CC	80%			70%			50%			30%			10%			0
r W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r fc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio			Ceiling Cavity Exitance Coefficients(CCEC)												
0.0	.190	.190	.190	.163	.163	.163	.111	.111	.111	.064	.064	.064	.020	.020	.020	
1.0	.181	.156	.133	.155	.134	.115	.106	.092	.079	.061	.053	.046	.020	.017	.015	
2.0	.173	.132	.097	.148	.114	.084	.102	.079	.059	.059	.046	.034	.019	.015	.011	
3.0	.166	.114	.074	.142	.099	.064	.097	.069	.045	.056	.040	.026	.018	.013	.009	
4.0	.158	.101	.058	.135	.087	.050	.093	.061	.035	.054	.036	.021	.017	.012	.007	
5.0	.150	.091	.047	.129	.078	.041	.089	.055	.029	.052	.032	.017	.017	.011	.006	
6.0	.143	.082	.039	.123	.071	.034	.085	.050	.024	.049	.029	.014	.016	.010	.005	
7.0	.136	.075	.033	.117	.065	.029	.081	.046	.020	.047	.027	.012	.015	.009	.004	
8.0	.130	.070	.028	.112	.060	.025	.077	.042	.018	.045	.025	.010	.015	.008	.003	
9.0	.124	.065	.025	.107	.056	.022	.074	.040	.015	.043	.023	.009	.014	.008	.003	
10.0	.118	.060	.022	.102	.053	.019	.070	.037	.014	.041	.022	.008	.013	.007	.003	

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:MO
 Test Date:2013-08-27

g Range: 0 - 90DEG
 g Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
 Humidity:65.0%
 Test Distance:7.000m [K=1.0000]
 Remarks: Strip,4.8W/M

Uncorrected UGR Table

NAME: SC-IC-W(1M)						TYPE:Strip			WEIGHT:0.1Kg		
DIM.: 1000*8*2(mm)						SPEC.:4.8W			SERIAL No.:1		
MFR.: Signcomplex						SUR.:120			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	2H	21.6	23.2	21.9	23.4	23.6	22.5	24.0	22.7	24.2	24.4
	3H	22.8	24.2	23.1	24.5	24.7	24.0	25.5	24.3	25.7	25.9
	4H	23.2	24.5	23.5	24.8	25.1	24.7	26.0	25.0	26.3	26.5
	6H	23.4	24.7	23.7	25.0	25.2	25.1	26.4	25.4	26.7	26.9
	8H	23.4	24.7	23.8	25.0	25.3	25.3	26.5	25.6	26.8	27.1
	12H	23.5	24.6	23.8	24.9	25.3	25.4	26.6	25.7	26.9	27.2
4H	2H	22.3	23.6	22.6	23.9	24.1	22.9	24.3	23.3	24.6	24.8
	3H	23.6	24.8	24.0	25.1	25.4	24.7	25.9	25.0	26.2	26.5
	4H	24.1	25.2	24.5	25.5	25.9	25.4	26.5	25.8	26.8	27.1
	6H	24.4	25.4	24.8	25.7	26.1	26.0	26.9	26.4	27.3	27.6
	8H	24.5	25.4	24.9	25.8	26.1	26.2	27.1	26.6	27.4	27.8
	12H	24.5	25.4	25.0	25.8	26.2	26.3	27.2	26.8	27.6	28.0
8H	4H	24.4	25.3	24.8	25.6	26.0	25.5	26.4	25.9	26.8	27.2
	6H	24.8	25.5	25.2	25.9	26.4	26.2	27.0	26.7	27.4	27.8
	8H	24.9	25.6	25.4	26.0	26.5	26.5	27.2	27.0	27.6	28.0
	12H	25.0	25.6	25.5	26.1	26.5	26.8	27.3	27.2	27.8	28.3
12H	4H	24.4	25.2	24.8	25.6	26.0	25.5	26.3	25.9	26.7	27.1
	6H	24.8	25.5	25.3	25.9	26.4	26.2	26.9	26.7	27.3	27.8
	8H	25.0	25.6	25.5	26.0	26.5	26.5	27.1	27.0	27.6	28.1
Variations with the observer position at spacings:											
S = 1.0H	+ 0.2 / - 0.3					+ 0.1 / - 0.2					
1.5H	+ 0.2 / - 0.4					+ 0.2 / - 0.3					
2.0H	+ 0.3 / - 0.5					+ 0.2 / - 0.3					

CIE Pub.117 Corrected 394.3 lm Total Lamp Luminous Flux.(8log(F/F0) = -3.2)

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO
Test Date:2013-08-27

g Range: 0 - 90DEG
g Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

UTILIZATION FACTORS TABLE

NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:

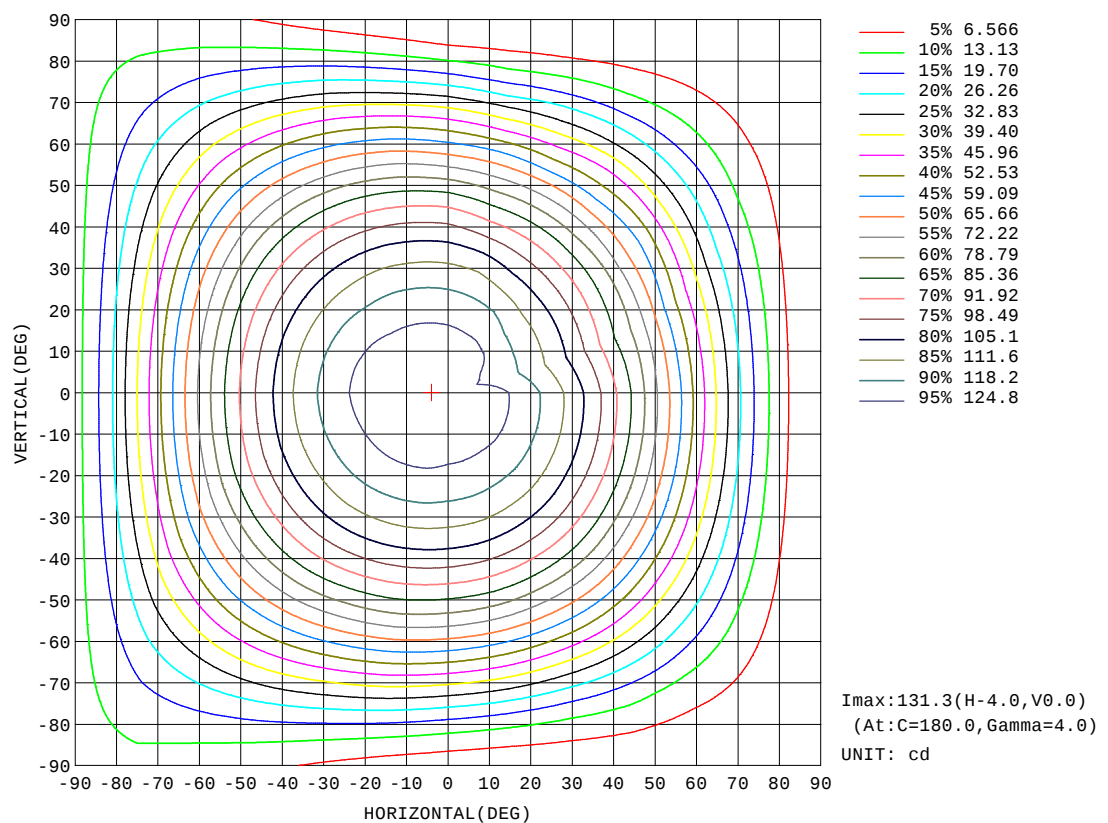
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
k = 0.60	57	45	38	56	45	38	55	44	37	31
0.80	67	55	47	66	54	47	64	54	47	40
1.00	75	64	56	74	63	56	72	65	55	48
1.25	82	71	64	81	71	64	78	69	63	56
1.50	87	77	70	86	76	69	83	74	68	61
2.00	94	85	79	92	84	78	89	82	77	69
2.50	98	90	84	96	89	83	92	86	81	73
3.00	102	95	89	99	93	88	95	90	86	77
4.00	106	100	95	103	98	94	99	95	91	82
5.00	108	103	99	106	101	97	101	98	94	85
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:MO
Test Date:2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

ISOCANDELA DIAGRAM

NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:



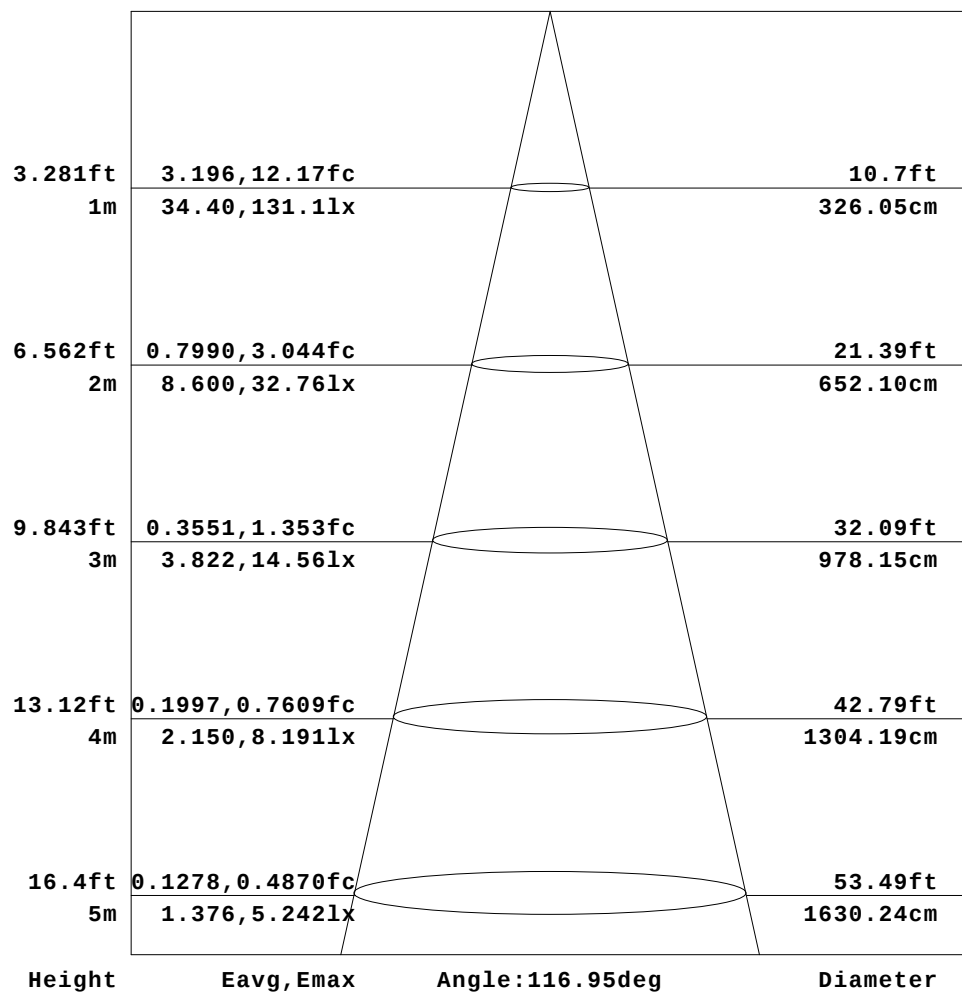
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO
Test Date:2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

AAI Figure

NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:

Flux out:299.3 lm



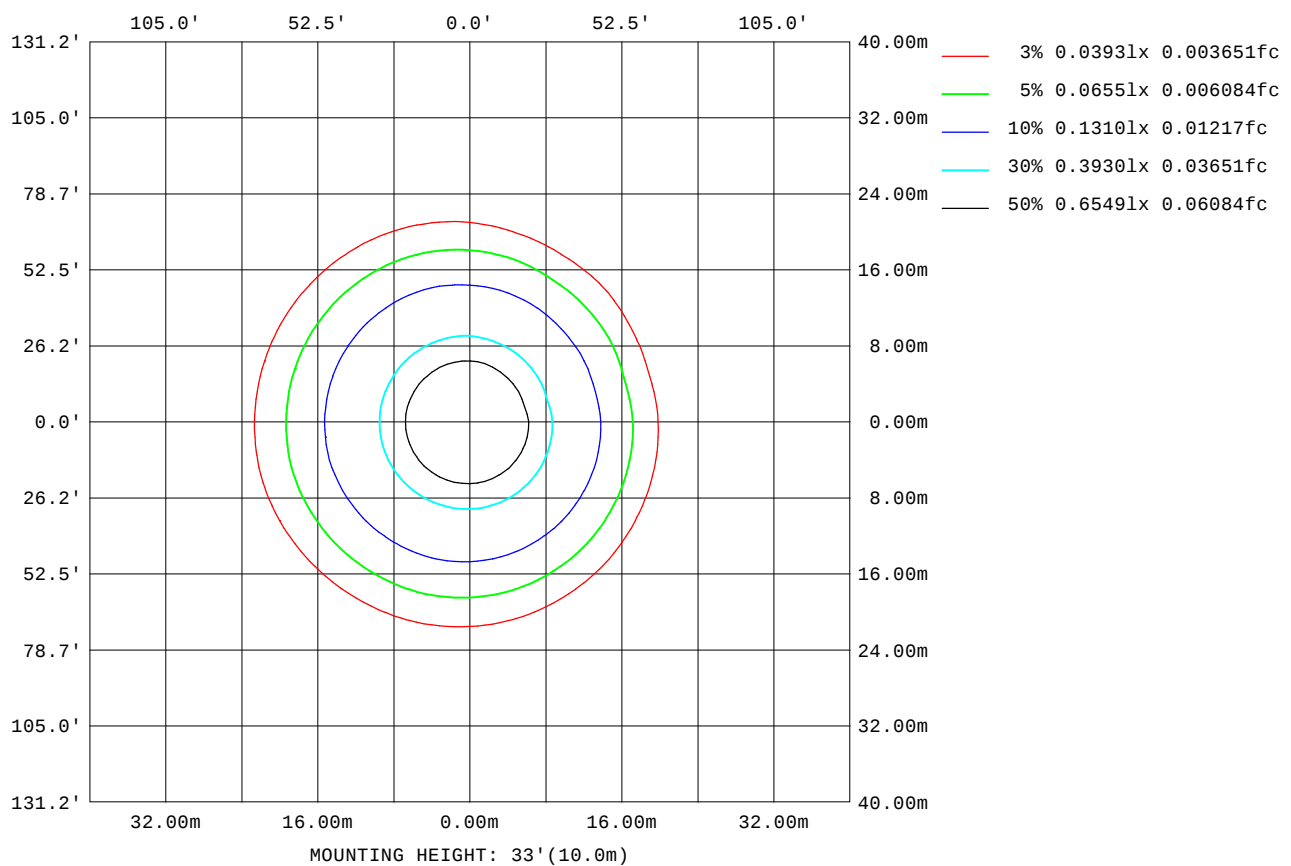
Note:The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO
Test Date:2013-08-27

g Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

ISOLUX DIAGRAM

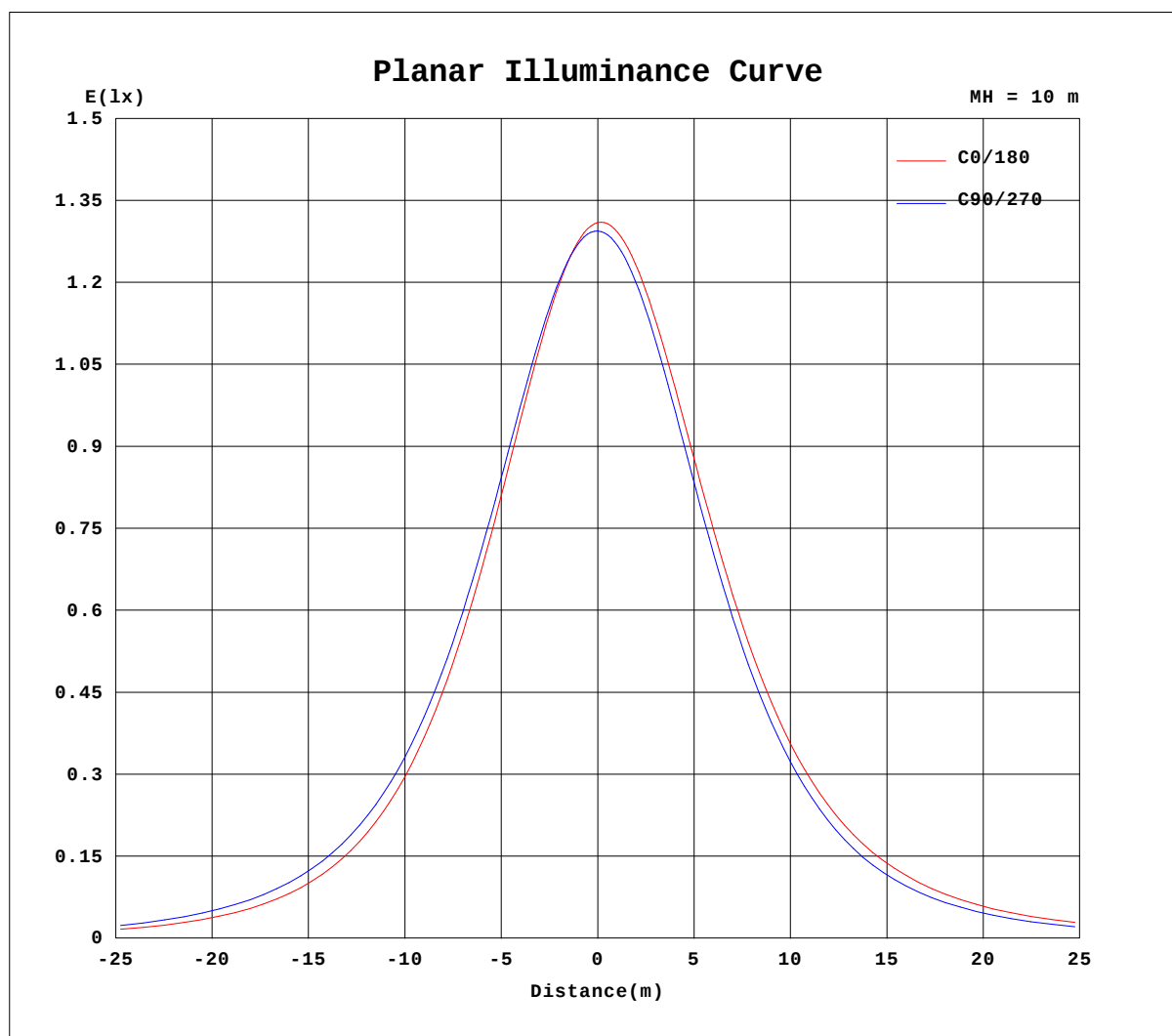
NAME: SC-IC-W(1M)	TYPE:Strip	WEIGHT:0.1Kg
DIM.: 1000*8*2(mm)	SPEC.:4.8W	SERIAL No.:1
MFR.: Signcomplex	SUR.:120	PROTECTION ANGLE:



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:MO
Test Date:2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity:65.0%
Test Distance:7.000m [K=1.0000]
Remarks: Strip,4.8W/M

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: MO
Test Date: 2013-08-27

Range: 0 - 90DEG
Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.275
Humidity: 65.0%
Test Distance: 7.000m [K=1.0000]
Remarks: Strip, 4.8W/M

