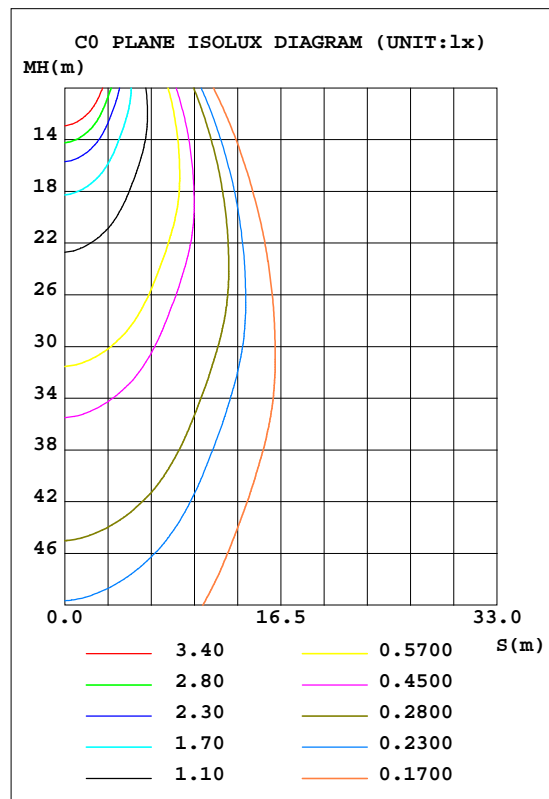
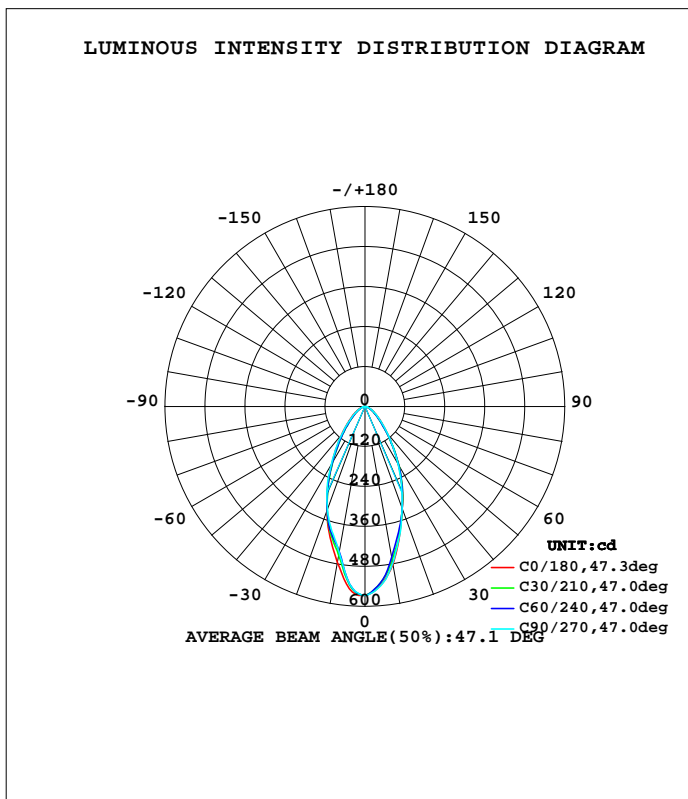


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000K	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 86.65 lm/W			
MODEL	5RS051-1(1)3000K	I <sub>max</sub> (cd)	567.4	S/MH(C0/180)	0.70
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.70
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	496.51	h UP,DN(C0-180)	0.0,50.2
NOMINAL FLUX(lm)	496.506	CIE CLASS	DIRECT	h UP,DN(C180-360)	0.0,49.8
LAMPS INSIDE	1	h up(%)	0.0	CIBSE SHR NOM	0.75
TEST VOLTAGE(V)	231.4	h down(%)	100.0	CIBSE SHR MAX	0.80



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

deg Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

g	C0	C45	C90	C135	C180	C225	C270	C315	g	F zone	F total	%lum,lamp
10	482.2	461.4	478.9	493.0	475.8	447.1	446.5	476.7	0- 10	49.23	49.23	9.92,9.92
20	327.6	328.7	327.5	327.5	334.9	333.8	330.0	327.3	10- 20	110.9	160.1	32.2,32.2
30	200.0	204.1	198.4	203.3	201.1	194.1	205.1	207.4	20- 30	120.9	281.0	56.6,56.6
40	104.5	100.4	103.8	113.6	108.2	96.64	107.9	110.9	30- 40	92.77	373.8	75.3,75.3
50	53.61	47.38	52.83	61.36	57.20	47.43	53.71	56.86	40- 50	58.94	432.7	87.2,87.2
60	27.94	23.80	27.59	32.17	29.67	24.07	27.13	29.62	50- 60	35.13	467.8	94.2,94.2
70	10.78	10.44	12.20	13.67	12.60	10.20	11.44	12.67	60- 70	19.04	486.9	98.1,98.1
80	3.499	3.792	4.445	4.730	3.848	3.575	3.839	4.330	70- 80	7.943	494.8	99.7,99.7
90	0.0062	0	0	0	0.0123	0	0	0.0031	80- 90	1.676	496.5	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		

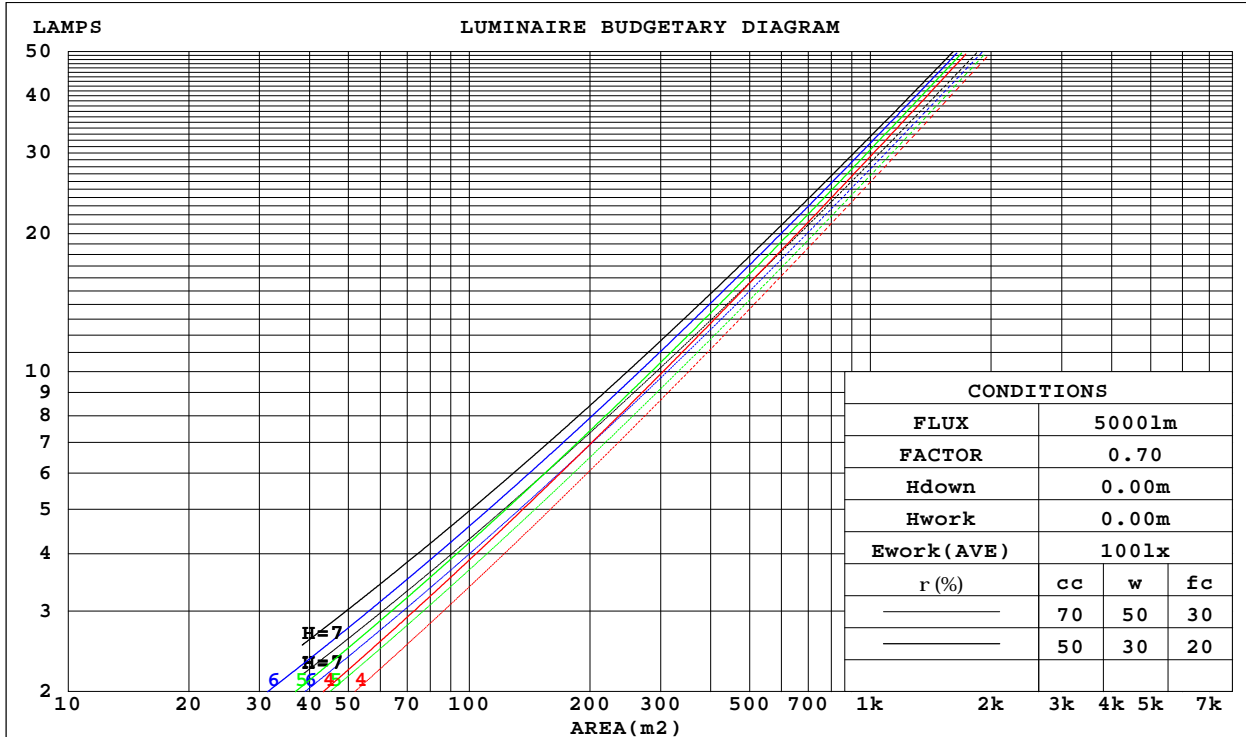
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

g Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

r <sub>cc</sub>	80%			70%			50%			30%			10%			0
r <sub>w</sub>	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
r <sub>fc</sub>	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	1.00
1.0	1.09	1.06	1.03	1.07	1.04	1.02	1.03	1.00	.98	.99	.97	.96	.95	.94	.93	.91
2.0	.99	.95	.91	.98	.93	.90	.94	.91	.88	.91	.88	.86	.88	.86	.84	.82
3.0	.91	.85	.81	.90	.84	.80	.87	.82	.79	.85	.81	.77	.82	.79	.76	.74
4.0	.84	.77	.73	.83	.77	.72	.81	.75	.71	.78	.74	.70	.76	.73	.69	.68
5.0	.78	.71	.66	.77	.70	.66	.75	.69	.65	.73	.68	.64	.71	.67	.64	.62
6.0	.72	.65	.60	.71	.65	.60	.70	.64	.60	.68	.63	.59	.67	.62	.59	.57
7.0	.67	.60	.56	.67	.60	.55	.65	.59	.55	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.56	.52	.62	.56	.51	.61	.55	.51	.60	.55	.51	.59	.54	.51	.49
9.0	.59	.52	.48	.59	.52	.48	.58	.52	.48	.57	.51	.48	.56	.51	.47	.46
10.0	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.53	.48	.44	.43



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

WEC AND CCEC

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)									
0.0																
1.0	.213	.121	.038	.207	.118	.037	.194	.111	.035	.182	.105	.034	.171	.099	.032	
2.0	.205	.112	.034	.199	.110	.034	.188	.105	.033	.178	.100	.031	.169	.096	.030	
3.0	.194	.103	.031	.189	.101	.030	.180	.097	.030	.171	.094	.029	.163	.090	.028	
4.0	.183	.095	.028	.179	.094	.028	.170	.090	.027	.163	.087	.026	.156	.085	.026	
5.0	.173	.088	.025	.169	.087	.025	.162	.084	.025	.155	.082	.024	.149	.079	.024	
6.0	.163	.082	.023	.160	.081	.023	.153	.079	.023	.147	.077	.023	.142	.075	.022	
7.0	.154	.076	.022	.151	.075	.021	.146	.074	.021	.140	.072	.021	.135	.070	.021	
8.0	.146	.072	.020	.144	.071	.020	.139	.069	.020	.134	.068	.020	.129	.066	.019	
9.0	.139	.067	.019	.137	.067	.019	.132	.065	.019	.128	.064	.018	.124	.063	.018	
10.0	.132	.063	.018	.130	.063	.018	.126	.062	.017	.122	.061	.017	.119	.060	.017	

rcc	80%			70%			50%			30%			10%			0
rw	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
rfc	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	.174	.157	.142	.149	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.109	.138	.114	.094	.094	.079	.065	.054	.046	.038	.017	.015	.012	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.030	.016	.013	.010	
4.0	.141	.100	.068	.121	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.114	.076	.048	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.046	.108	.069	.040	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.119	.072	.039	.102	.062	.034	.071	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.113	.066	.034	.097	.057	.029	.067	.040	.021	.039	.024	.012	.013	.008	.004	
9.0	.107	.061	.029	.092	.053	.026	.064	.037	.018	.037	.022	.011	.012	.007	.004	
10.0	.102	.056	.026	.088	.049	.023	.061	.034	.016	.036	.020	.010	.012	.007	.003	

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

Uncorrected UGR Table

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm										
NAME: LTMTC6W - 3000k					TYPE:			WEIGHT:		
SPEC.:					DIM.:			SERIAL No.:001		
MFR.: Ledlite					SUR.:0.000962			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	25.4	26.6	25.7	26.7	26.9	25.4	26.5	25.6	26.7	26.9
3H	25.8	26.9	26.1	27.1	27.3	25.8	26.9	26.1	27.1	27.3
4H	26.0	26.9	26.2	27.2	27.4	26.0	27.0	26.3	27.2	27.4
6H	26.0	26.9	26.3	27.2	27.4	26.1	27.0	26.4	27.2	27.5
8H	26.0	26.9	26.3	27.2	27.4	26.1	27.0	26.4	27.2	27.5
12H	26.0	26.8	26.3	27.1	27.4	26.1	26.9	26.4	27.2	27.5
4H 2H	25.5	26.5	25.8	26.8	27.0	25.5	26.5	25.8	26.7	26.9
3H	26.1	26.9	26.4	27.2	27.5	26.0	26.9	26.4	27.2	27.5
4H	26.2	27.0	26.6	27.3	27.6	26.3	27.0	26.6	27.4	27.7
6H	26.4	27.0	26.7	27.4	27.7	26.5	27.1	26.8	27.5	27.8
8H	26.4	27.0	26.8	27.4	27.7	26.5	27.1	26.9	27.5	27.9
12H	26.4	27.0	26.8	27.3	27.7	26.5	27.1	26.9	27.5	27.9
8H 4H	26.3	26.9	26.7	27.2	27.6	26.3	26.9	26.7	27.3	27.7
6H	26.4	27.0	26.9	27.4	27.8	26.5	27.1	27.0	27.5	27.9
8H	26.5	27.0	27.0	27.4	27.8	26.6	27.1	27.1	27.5	28.0
12H	26.5	26.9	27.0	27.4	27.8	26.7	27.1	27.1	27.5	28.0
12H 4H	26.2	26.8	26.7	27.2	27.6	26.3	26.8	26.7	27.2	27.6
6H	26.4	26.9	26.9	27.3	27.8	26.5	27.0	27.0	27.4	27.9
8H	26.5	26.9	27.0	27.3	27.8	26.6	27.0	27.1	27.5	27.9
Variations with the observer position at spacings:										
S = 1.0H	+ 0.9 / - 1.1					+ 0.8 / - 1.0				
1.5H	+ 1.3 / - 0.9					+ 1.2 / - 0.8				
2.0H	+ 1.8 / - 1.3					+ 1.7 / - 1.3				

CIE Pub.117 Corrected 496.5 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.4)

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

g Range: 0 - 90DEG  
 g Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

UTILIZATION FACTORS TABLE

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

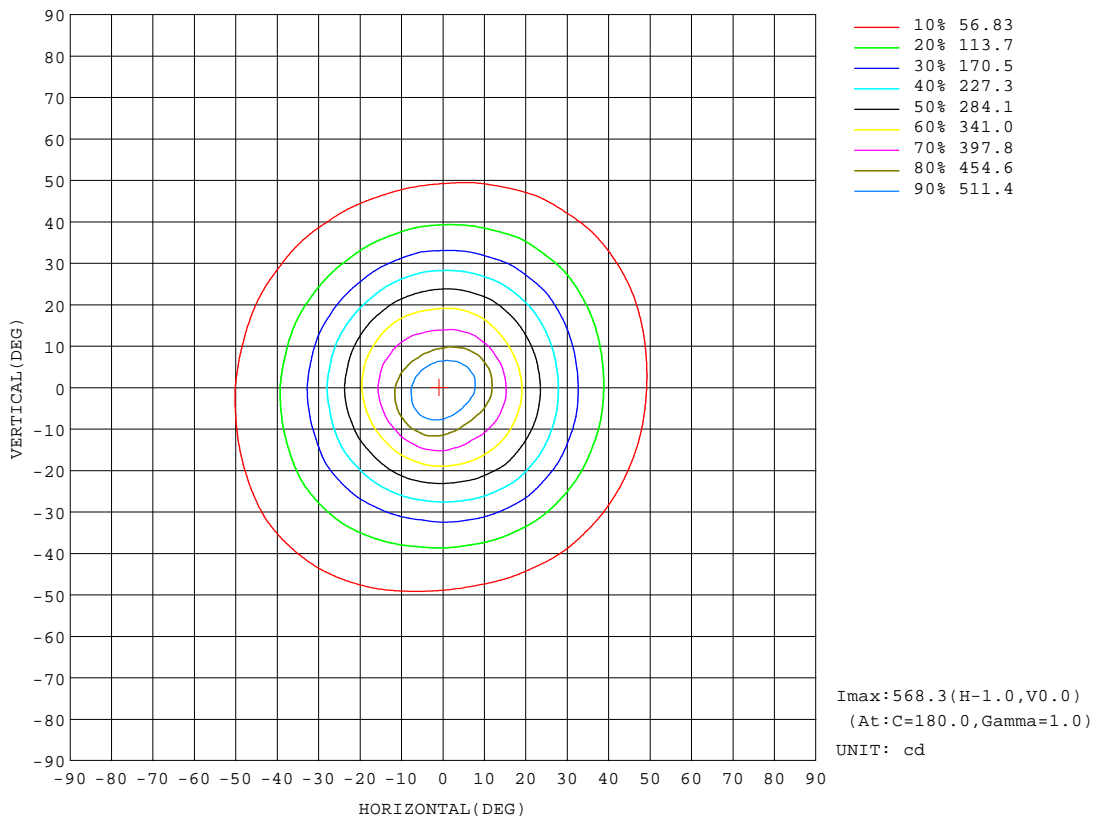
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	75	67	63	74	67	62	58
0.80	85	77	72	84	76	72	83	76	71	66
1.00	91	84	79	90	83	78	88	83	78	73
1.25	96	89	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	88	96	91	87	82
2.00	104	99	94	103	98	94	100	96	92	86
2.50	107	102	98	105	100	97	102	98	95	88
3.00	109	104	101	107	103	100	103	100	97	90
4.00	111	108	105	109	106	103	105	103	101	93
5.00	113	110	107	111	108	106	107	105	103	95
ROOM INDEX	UF(total)									Direct
According to DIN EN 13032-2 2004			Suspended				SHRNOM = 1.25			

C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

g Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

ISOCANDELA DIAGRAM

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:



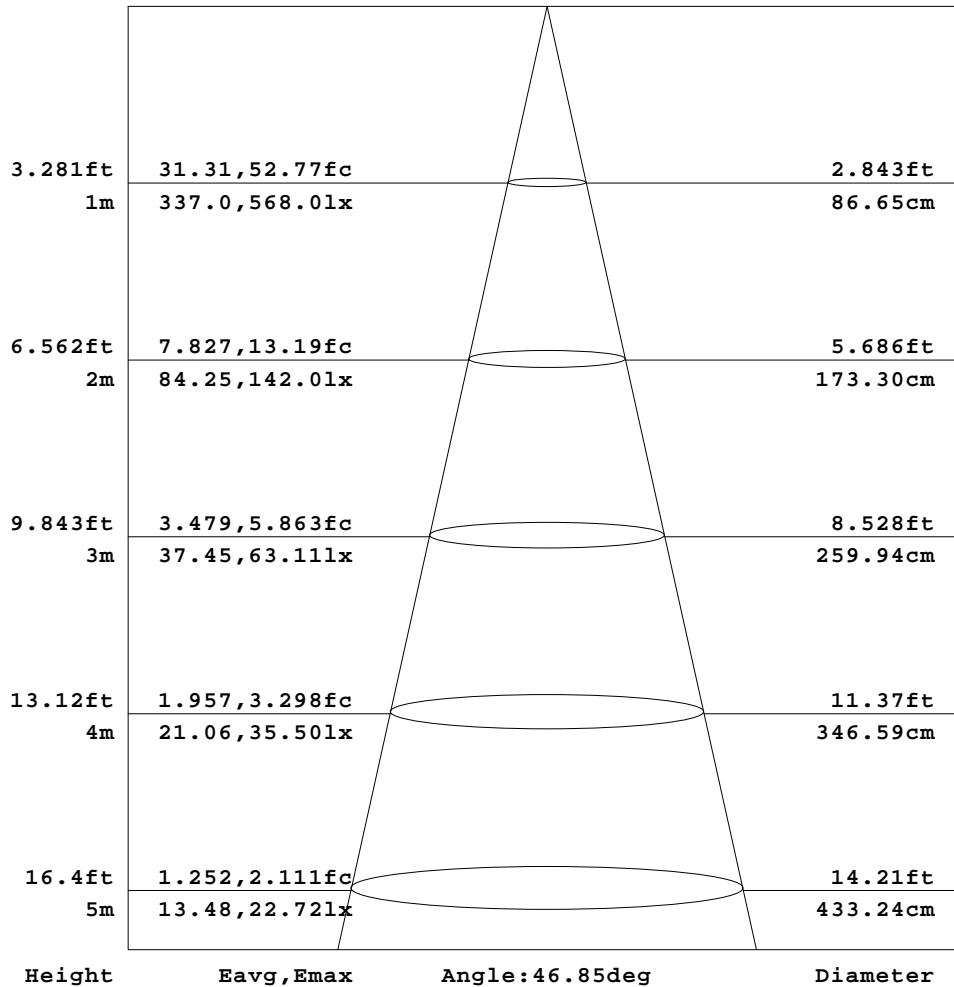
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

Page Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

AAI Figure

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

Flux out:209.9 lm



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

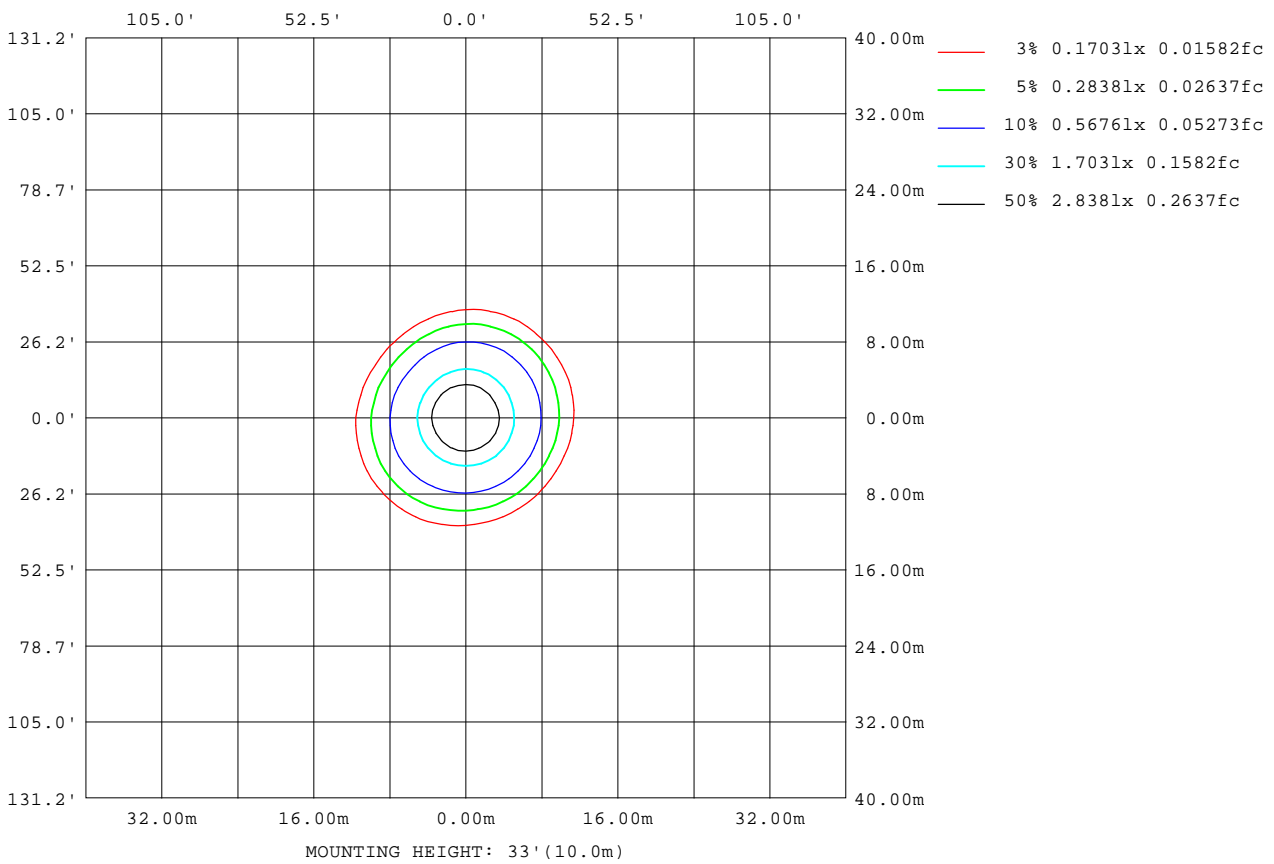
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:



ISOLUX DIAGRAM

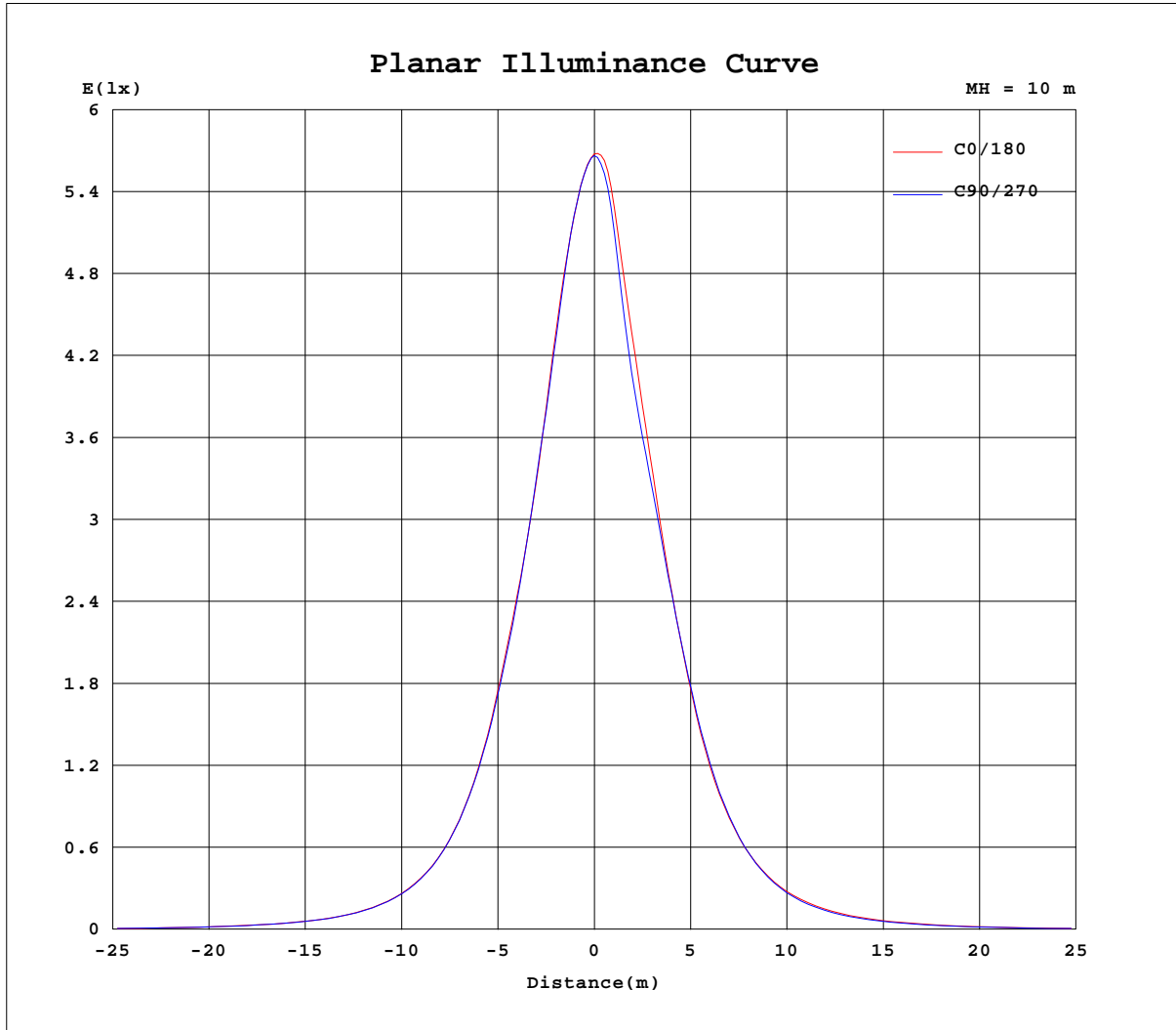
Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity:65.0%  
 Test Distance:8.989m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 01  
 Test Date: 2017-10-23

Page Range: 0 - 90DEG  
 Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
 Humidity: 65.0%  
 Test Distance: 8.989m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Table with 3 columns: NAME, TYPE, WEIGHT; SPEC., DIM., SERIAL No.; MFR., SUR., PROTECTION ANGLE. Values include LTMTTC6W - 3000k, Ledlite, and Lamp Flux: 496.506x1 lm.

Table--1

UNIT: cd

Large data table with C(DEG) on the y-axis (0-90) and g (DEG) on the x-axis (0-180). Values range from 567 down to 0.01.

C Range: 0 - 360DEG
C Interval: 10.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: 01
Test Date: 2017-10-23

Range: 0 - 90DEG
Interval: 1.0DEG
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.279
Humidity: 65.0%
Test Distance: 8.989m [K=1.0000]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:231.4V I:0.0294A P:5.730W PF:0.8430 Lamp Flux:496.506x1 lm		
NAME: LTMTTC6W - 3000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

Table--2 UNIT: cd

C(DEG) g (DEG)	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350		
0	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567	567		
5	544	543	538	538	533	535	532	535	535	538	539	543	543	545	544	545	542		
10	467	462	454	450	444	444	442	445	446	454	459	469	473	480	484	488	487		
15	402	403	398	398	394	393	388	387	386	389	390	393	392	395	394	400	400		
20	334	335	333	334	333	333	330	328	330	332	332	332	328	326	325	326	327		
25	263	264	261	261	260	264	265	267	269	270	271	272	269	268	266	265	265		
30	198	198	195	194	194	199	201	205	205	206	207	209	207	207	204	202	201		
35	145	143	139	139	138	142	144	150	151	153	153	155	153	153	150	149	147		
40	104	102	98.2	96.8	96.4	99.6	102	106	108	110	110	113	111	111	109	108	106		
45	74.5	72.1	68.1	67.5	67.1	69.2	70.9	74.4	76.4	78.5	79.2	81.2	79.7	80.2	78.8	78.0	76.4		
50	53.4	51.0	48.0	47.7	47.2	48.6	49.7	52.0	53.7	56.2	56.8	58.0	56.7	57.0	56.5	56.7	55.6		
55	38.5	36.7	34.4	34.0	33.6	34.6	35.4	36.8	38.1	40.1	40.7	41.3	40.7	40.9	40.6	41.1	40.5		
60	27.7	26.4	24.7	24.3	23.9	24.5	25.2	26.2	27.1	28.6	29.2	29.8	29.5	29.7	29.5	29.8	29.3		
65	18.7	17.8	16.7	16.6	16.2	16.5	16.8	17.7	18.4	19.6	20.0	20.5	20.3	20.5	20.3	20.6	20.2		
70	11.7	11.2	10.5	10.3	10.1	10.4	10.5	11.0	11.4	12.2	12.5	12.8	12.6	12.8	12.6	12.5	11.6		
75	7.32	7.12	6.78	6.71	6.56	6.66	6.64	6.88	7.00	7.39	7.55	7.70	7.60	7.71	7.49	7.33	6.94		
80	3.66	3.76	3.67	3.64	3.51	3.59	3.57	3.75	3.84	4.12	4.20	4.34	4.29	4.37	4.16	4.07	3.73		
85	1.19	1.18	1.12	1.12	1.09	1.12	1.14	1.21	1.26	1.37	1.44	1.50	1.47	1.49	1.44	1.44	1.37		
90	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.00	0.00	0.01		

C Range: 0 - 360DEG  
C Interval: 10.0DEG  
Test Speed: HIGH  
Temperature:25.3DEG  
Operators:01  
Test Date:2017-10-23

g Range: 0 - 90DEG  
Interval: 1.0DEG  
Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.279  
Humidity:65.0%  
Test Distance:8.989m [K=1.0000]  
Remarks: