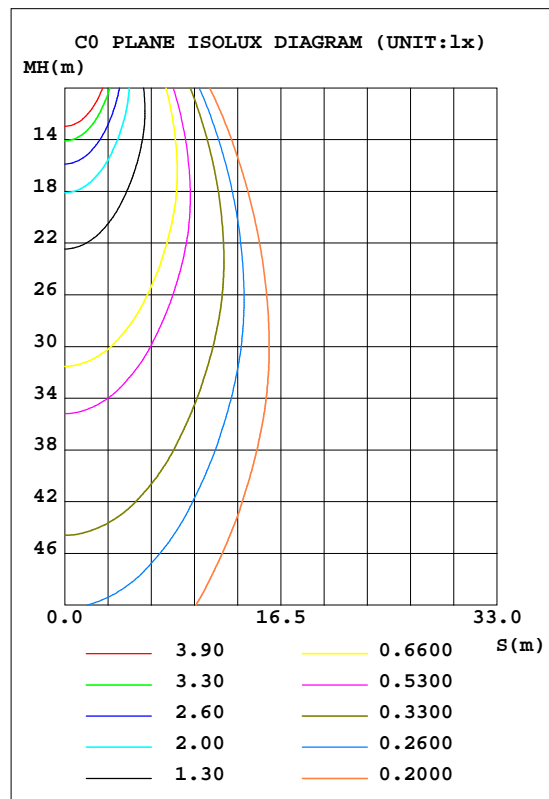
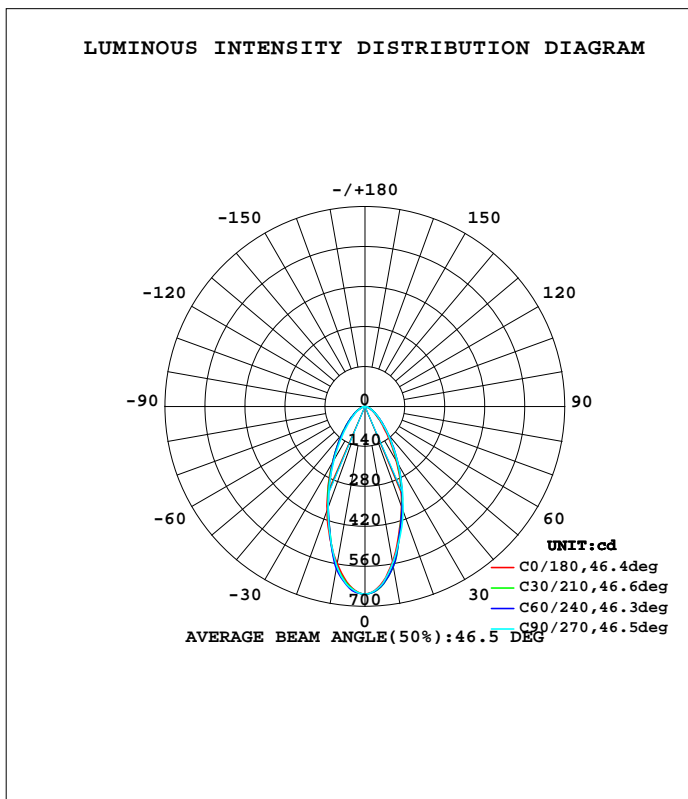


LUMINAIRE PHOTOMETRIC TEST REPORT

Test:U:231.4V I:0.0294A P:5.728W PF:0.8429 Lamp Flux:570.23lx1 lm		
NAME: LTMTC6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 99.54 lm/W
MODEL	5RS051-1(1)6000K	I <sub>max</sub> (cd)	656.8	S/MH(C0/180)	0.69	
NOMINAL POWER(W)	6	LOR(%)	100.0	S/MH(C90/270)	0.72	
RATED VOLTAGE(V)	232	TOTAL FLUX(lm)	570.23	h UP, DN(C0-180)	0.0, 50.4	
NOMINAL FLUX(lm)	570.231	CIE CLASS	DIRECT	h UP, DN(C180-360)	0.0, 49.6	
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

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	554.1	571.9	558.0	545.7	560.5	574.9	568.3	550.9	0- 10	57.87	57.87	10.1,10.1
20	373.7	379.5	390.1	398.4	389.6	378.6	377.4	383.7	10- 20	131.0	188.9	33.1,33.1
30	221.7	232.1	232.0	229.6	230.5	227.7	218.1	220.6	20- 30	137.7	326.6	57.3,57.3
40	113.1	126.6	124.0	116.5	124.0	127.2	113.7	107.8	30- 40	104.4	431.0	75.6,75.6
50	57.86	66.06	65.02	57.04	64.49	67.66	59.32	51.79	40- 50	66.70	497.7	87.3,87.3
60	30.27	34.51	33.93	29.15	33.25	35.18	31.37	26.79	50- 60	40.02	537.7	94.3,94.3
70	11.79	14.66	14.56	12.26	13.77	14.58	13.44	11.88	60- 70	21.73	559.4	98.1,98.1
80	3.822	4.844	4.918	4.341	4.115	4.796	4.491	4.201	70- 80	8.941	568.4	99.7,99.7
90	0.0062	0	0	0	0.0247	0.0031	0	0.0031	80- 90	1.842	570.2	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		

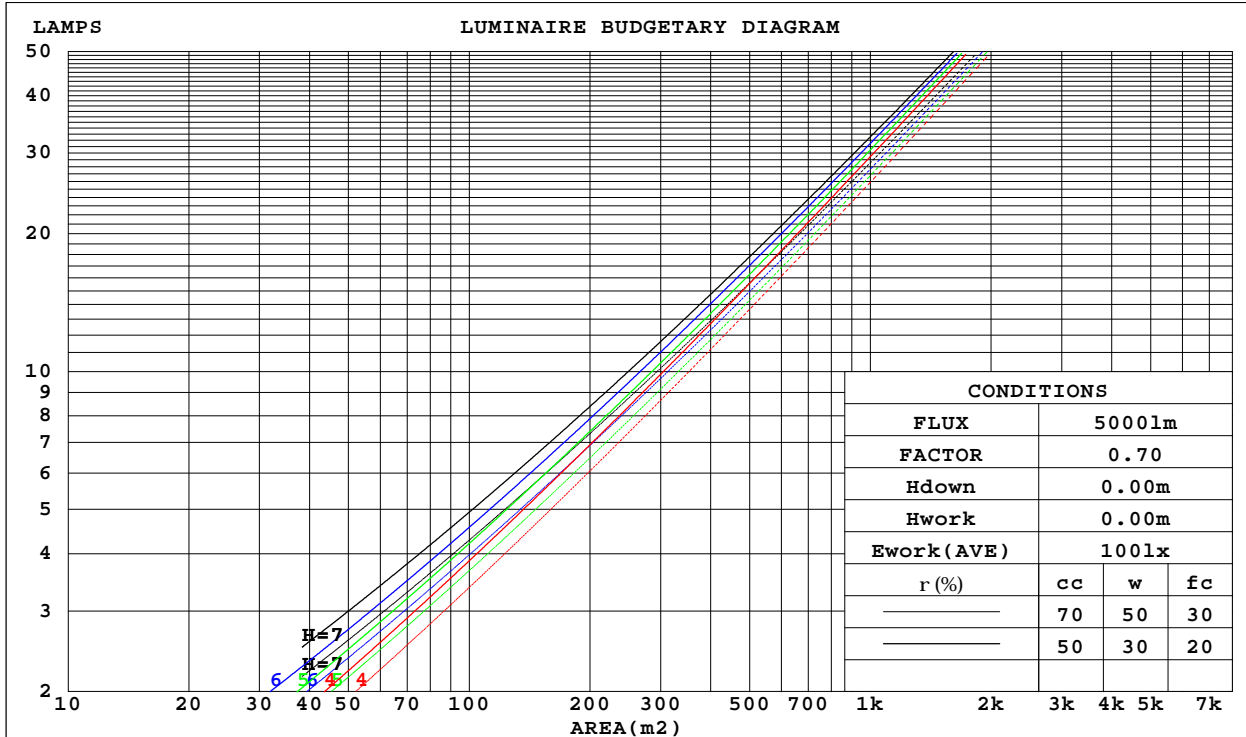
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

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:5.728W PF:0.8429 Lamp Flux:570.23lx1 lm		
NAME: LTMTC6W - 6000k	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	1.01	.99	.99	.97	.96	.95	.94	.93	.91
2.0	.00	.95	.91	.98	.93	.90	.95	.91	.88	.91	.88	.86	.89	.86	.84	.82
3.0	.91	.86	.81	.90	.85	.80	.87	.83	.79	.85	.81	.78	.82	.79	.76	.75
4.0	.84	.78	.73	.83	.77	.72	.81	.76	.71	.79	.74	.71	.77	.73	.70	.68
5.0	.78	.71	.66	.77	.71	.66	.75	.70	.65	.73	.68	.65	.72	.67	.64	.62
6.0	.72	.66	.61	.72	.65	.60	.70	.64	.60	.69	.63	.60	.67	.63	.59	.58
7.0	.68	.61	.56	.67	.60	.56	.66	.60	.56	.64	.59	.55	.63	.58	.55	.53
8.0	.63	.57	.52	.63	.56	.52	.62	.56	.52	.60	.55	.51	.59	.55	.51	.50
9.0	.59	.53	.48	.59	.53	.48	.58	.52	.48	.57	.52	.48	.56	.51	.48	.46
10.0	.56	.50	.45	.56	.49	.45	.55	.49	.45	.54	.49	.45	.53	.48	.45	.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:5.728W PF:0.8429 Lamp Flux:570.231x1 lm		
NAME: LTMTTC6W - 6000k	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	.212	.121	.038	.205	.117	.037	.193	.110	.035	.181	.104	.033	.170	.099	.032	
2.0	.204	.112	.034	.198	.109	.034	.187	.104	.032	.177	.099	.031	.168	.095	.030	
3.0	.193	.103	.031	.188	.101	.030	.179	.097	.029	.170	.093	.029	.162	.090	.028	
4.0	.182	.095	.028	.178	.093	.027	.169	.090	.027	.162	.087	.026	.155	.084	.026	
5.0	.172	.088	.025	.168	.086	.025	.161	.084	.025	.154	.081	.024	.148	.079	.024	
6.0	.162	.081	.023	.159	.080	.023	.152	.078	.023	.147	.076	.022	.141	.074	.022	
7.0	.153	.076	.022	.150	.075	.021	.145	.073	.021	.140	.072	.021	.135	.070	.021	
8.0	.146	.071	.020	.143	.070	.020	.138	.069	.020	.133	.067	.019	.129	.066	.019	
9.0	.138	.067	.019	.136	.066	.019	.131	.065	.018	.127	.064	.018	.123	.062	.018	
10.0	.132	.063	.018	.129	.063	.017	.125	.061	.017	.121	.060	.017	.118	.059	.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	.148	.135	.122	.102	.093	.085	.058	.054	.049	.019	.017	.016	
2.0	.161	.132	.109	.137	.114	.094	.094	.079	.066	.054	.046	.038	.017	.015	.013	
3.0	.150	.114	.085	.128	.098	.074	.088	.068	.052	.051	.040	.031	.016	.013	.010	
4.0	.140	.099	.068	.120	.086	.059	.083	.060	.042	.048	.035	.025	.015	.011	.008	
5.0	.132	.088	.056	.113	.076	.049	.078	.053	.034	.045	.031	.020	.015	.010	.007	
6.0	.125	.079	.047	.107	.069	.041	.074	.048	.029	.043	.028	.017	.014	.009	.006	
7.0	.118	.072	.039	.102	.062	.034	.070	.044	.024	.041	.026	.014	.013	.008	.005	
8.0	.112	.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:5.728W PF:0.8429 Lamp Flux:570.231x1 lm										
NAME: LTMTC6W - 6000k					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	26.4	27.5	26.6	27.6	27.8	26.7	27.8	26.9	28.0	28.2
3H	26.7	27.8	27.0	28.0	28.2	27.2	28.2	27.4	28.4	28.6
4H	26.8	27.8	27.1	28.0	28.2	27.3	28.2	27.6	28.5	28.7
6H	26.8	27.8	27.2	28.0	28.3	27.3	28.2	27.6	28.5	28.8
8H	26.8	27.7	27.2	28.0	28.2	27.3	28.2	27.7	28.5	28.8
12H	26.8	27.7	27.1	27.9	28.2	27.3	28.2	27.7	28.4	28.7
4H 2H	26.6	27.6	26.9	27.8	28.0	26.9	27.9	27.2	28.1	28.3
3H	27.1	27.9	27.4	28.2	28.5	27.5	28.3	27.8	28.6	28.9
4H	27.2	28.0	27.6	28.3	28.6	27.7	28.4	28.0	28.7	29.0
6H	27.3	28.0	27.7	28.3	28.7	27.8	28.5	28.2	28.8	29.1
8H	27.4	28.0	27.8	28.3	28.7	27.8	28.4	28.2	28.8	29.2
12H	27.3	27.9	27.8	28.3	28.7	27.8	28.4	28.2	28.8	29.2
8H 4H	27.3	27.9	27.7	28.3	28.6	27.7	28.3	28.1	28.6	29.0
6H	27.4	27.9	27.9	28.3	28.8	27.9	28.4	28.3	28.8	29.2
8H	27.5	27.9	27.9	28.4	28.8	27.9	28.4	28.4	28.8	29.2
12H	27.5	27.9	28.0	28.3	28.8	27.9	28.3	28.4	28.8	29.2
12H 4H	27.2	27.8	27.7	28.2	28.6	27.6	28.2	28.0	28.6	29.0
6H	27.4	27.9	27.9	28.3	28.7	27.8	28.3	28.3	28.7	29.2
8H	27.5	27.9	28.0	28.3	28.8	27.9	28.3	28.4	28.8	29.2
Variations with the observer position at spacings:										
S = 1.0H	+ 0.8 / - 1.2					+ 0.8 / - 1.1				
1.5H	+ 0.9 / - 0.9					+ 0.9 / - 0.7				
2.0H	+ 1.3 / - 1.3					+ 1.4 / - 1.0				

CIE Pub.117 Corrected 570.2 lm Total Lamp Luminous Flux.(8log(F/F0) = -2.0)

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:5.728W PF:0.8429 Lamp Flux:570.231x1 lm		
NAME: LTMTC6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

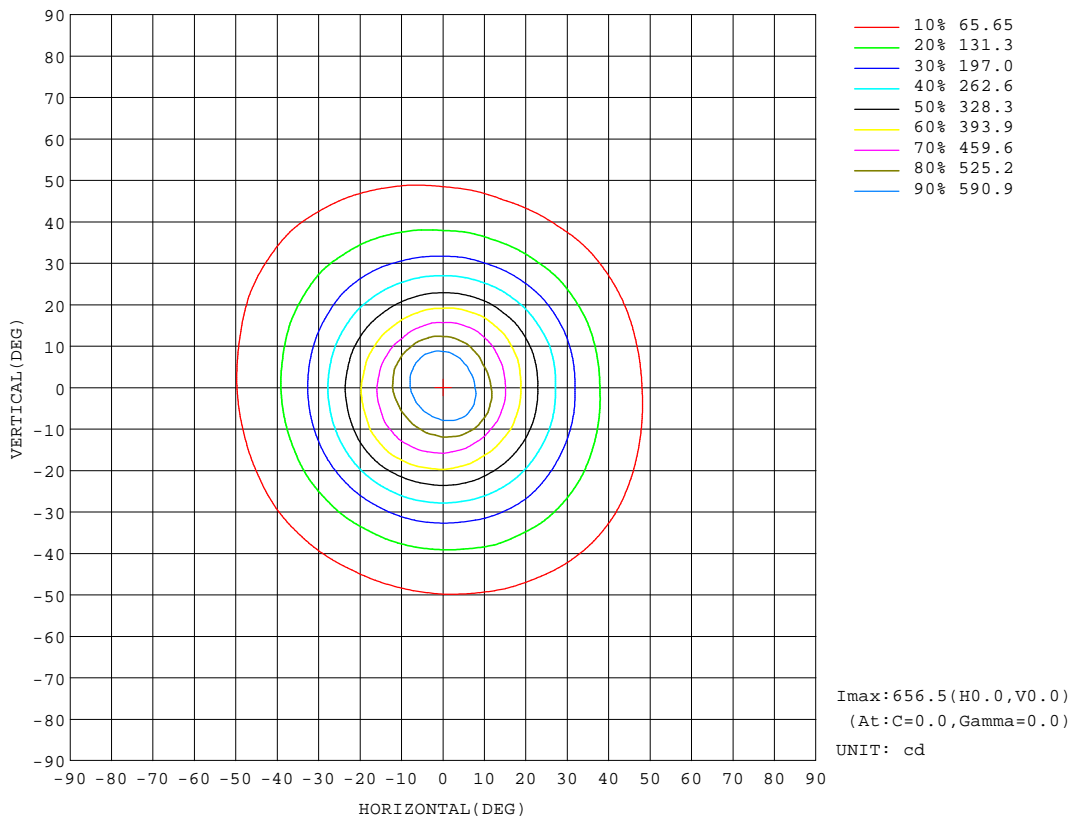
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) k(RI) x RCR = 5									
k = 0.60	76	68	63	76	68	63	75	67	63	58
0.80	85	77	72	84	77	72	83	76	71	67
1.00	91	84	79	90	83	79	88	84	78	73
1.25	96	90	85	95	89	84	93	88	84	78
1.50	100	94	89	99	93	89	96	91	88	82
2.00	104	99	95	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:5.728W PF:0.8429 Lamp Flux:570.231x1 lm		
NAME: LTMTC6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:



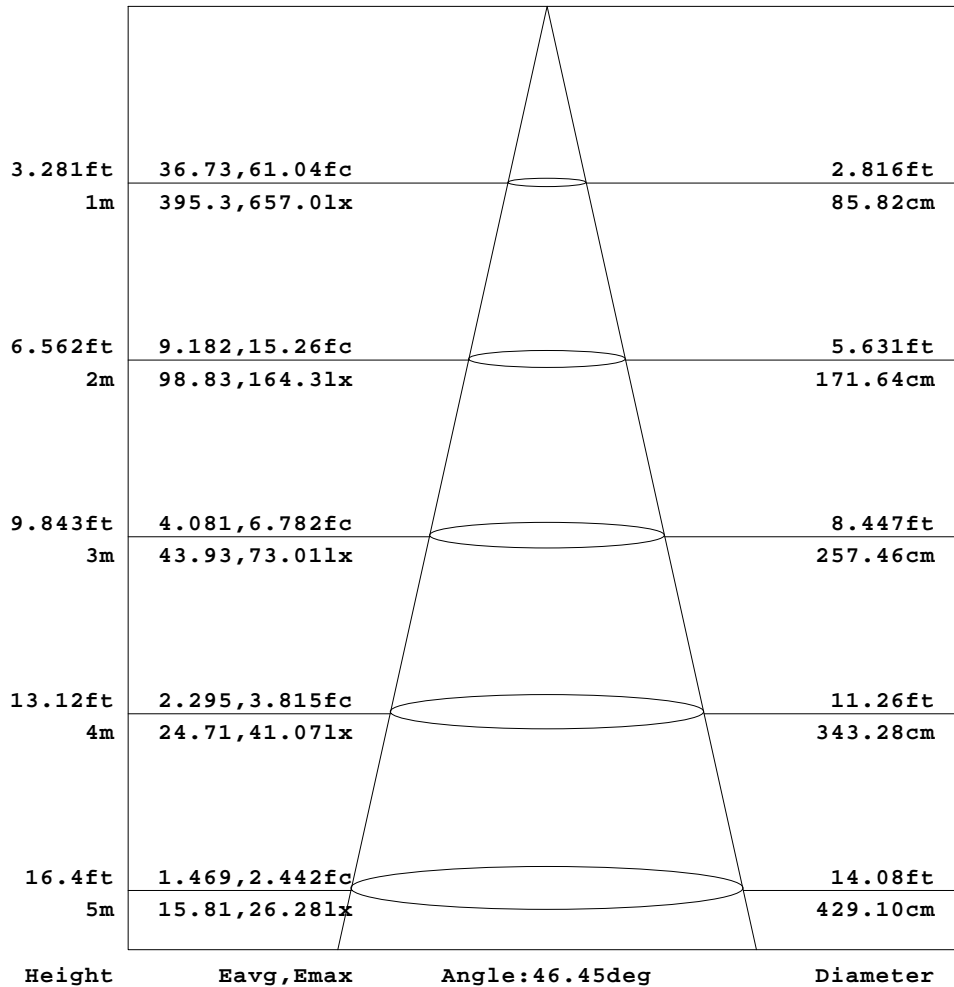
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature: 25.3DEG  
 Operators: 01  
 Test Date: 2017-10-23

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:

AAI Figure

Test:U:231.4V I:0.0294A P:5.728W PF:0.8429 Lamp Flux:570.23lx1 lm		
NAME: LTMT6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

Flux out:246.2 lm



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

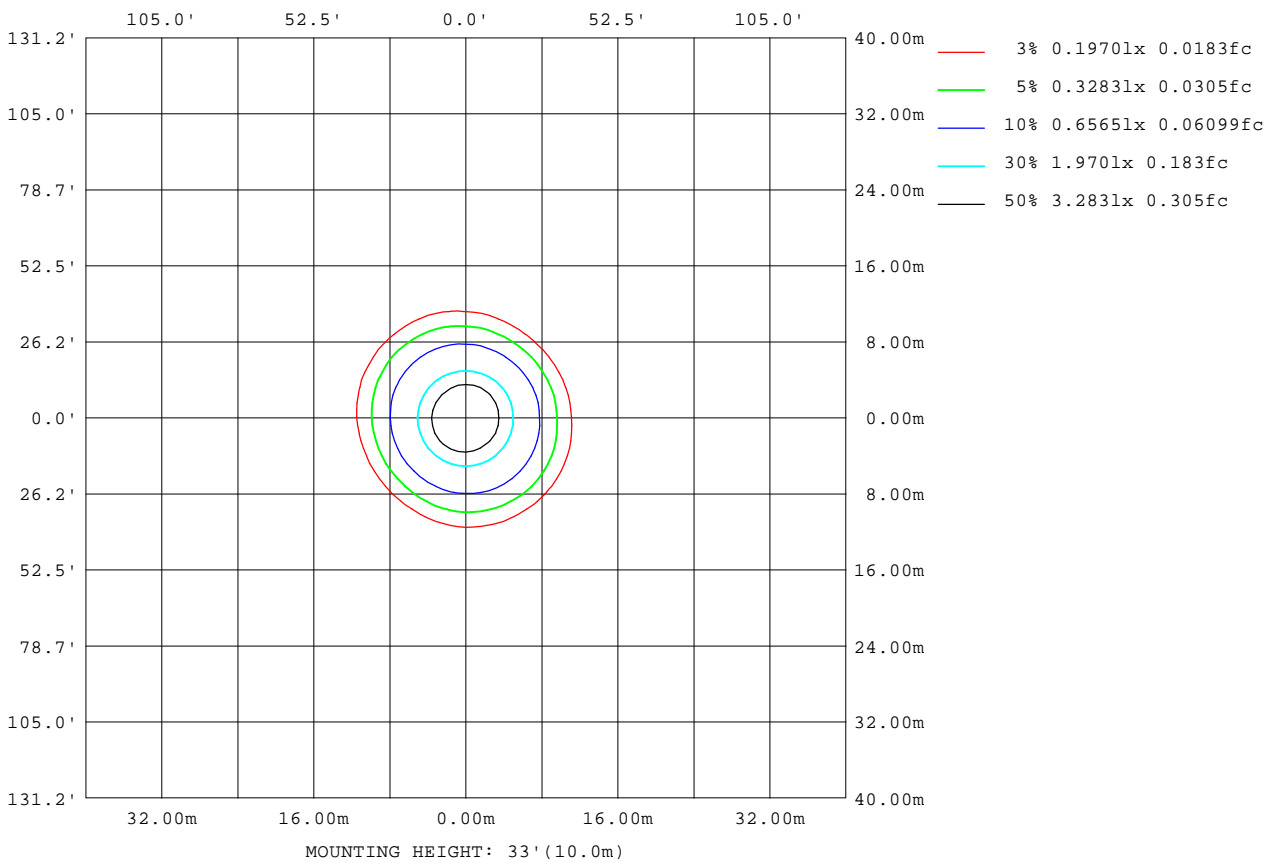
C Range: 0 - 360DEG  
 C Interval: 10.0DEG  
 Test Speed: HIGH  
 Temperature:25.3DEG  
 Operators:01  
 Test Date:2017-10-23

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:



ISOLUX DIAGRAM

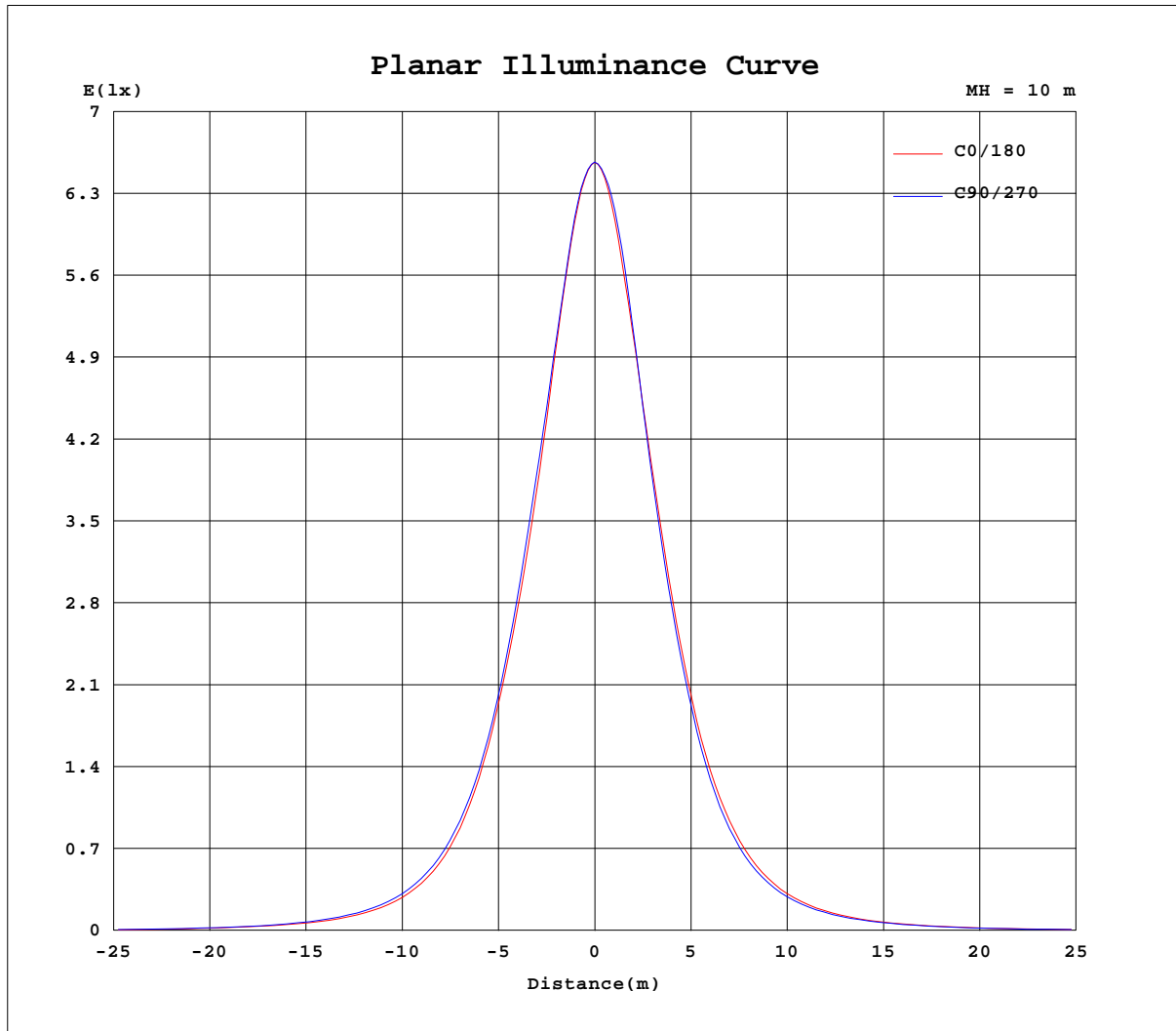
Test:U:231.4V I:0.0294A P:5.728W PF:0.8429 Lamp Flux:570.231x1 lm		
NAME: LTMTC6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:



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

Test:U:231.4V I:0.0294A P:5.728W PF:0.8429 Lamp Flux:570.231x1 lm		
NAME: LTMTC6W - 6000k	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:001
MFR.: Ledlite	SUR.:0.000962	PROTECTION ANGLE:

Table--1

UNIT: cd

C(DEG) g (DEG)	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
0	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657	657
5	627	630	631	634	634	635	634	634	631	631	627	625	622	623	621	623	623	626	629
10	554	562	565	571	571	573	569	567	560	558	550	550	546	547	545	548	549	555	561
15	461	465	464	467	465	468	467	472	470	474	473	476	476	478	477	478	474	475	476
20	374	376	377	380	378	381	381	385	386	390	389	394	395	399	397	398	390	390	390
25	296	299	300	302	303	304	305	306	306	306	306	306	307	308	308	308	306	305	306
30	222	224	226	227	231	234	233	233	232	232	232	231	230	230	230	229	230	230	230
35	160	164	167	169	171	175	174	175	172	171	170	169	165	165	164	166	167	169	171
40	113	117	120	124	126	128	127	128	125	124	123	121	117	117	116	118	118	121	124
45	80.6	83.5	87.0	89.9	91.4	92.5	91.7	92.4	91.0	89.6	87.6	85.3	82.1	81.1	80.5	82.2	83.2	86.2	89.4
50	57.9	60.4	62.9	64.9	65.9	66.2	66.0	66.6	65.8	65.0	62.9	60.4	58.0	57.1	57.0	57.9	58.9	61.3	64.5
55	41.8	43.9	45.5	47.2	47.3	47.7	47.8	48.4	47.6	47.0	45.3	43.4	41.7	41.1	40.7	41.5	42.1	43.9	46.5
60	30.3	31.9	33.1	34.3	34.4	34.7	34.7	35.1	34.5	33.9	32.6	31.3	30.0	29.3	29.0	29.6	30.0	31.4	33.2
65	20.6	21.9	22.7	23.6	23.6	23.9	24.0	24.3	23.8	23.4	22.2	21.3	20.3	19.9	19.5	19.8	20.1	20.9	22.4
70	11.8	12.6	13.6	14.5	14.5	14.8	14.8	15.1	14.8	14.6	13.8	13.3	12.7	12.4	12.1	12.2	12.4	12.9	13.8
75	7.31	7.76	8.11	8.52	8.66	8.77	8.73	8.89	8.79	8.76	8.45	8.31	8.04	8.01	7.84	7.87	7.86	8.09	8.45
80	3.82	4.07	4.42	4.71	4.77	4.92	4.86	4.97	4.89	4.92	4.70	4.63	4.43	4.41	4.27	4.30	4.10	3.99	4.12
85	1.37	1.47	1.54	1.62	1.67	1.73	1.71	1.74	1.70	1.67	1.60	1.55	1.47	1.43	1.38	1.33	1.28	1.28	1.37
90	0.01	0.00	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.00	0.02

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:

