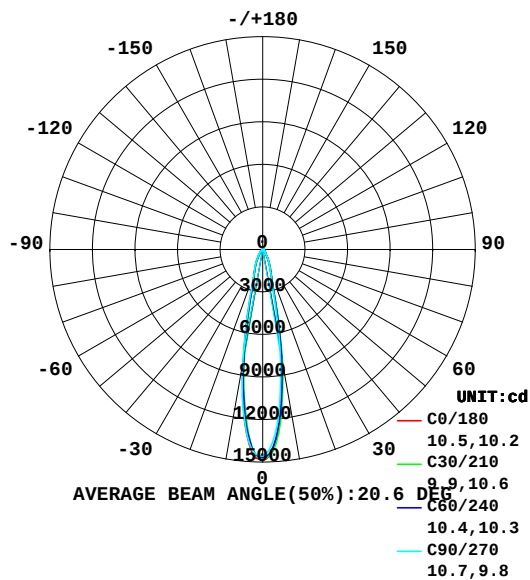


LUMINAIRE PHOTOMETRIC TEST REPORT

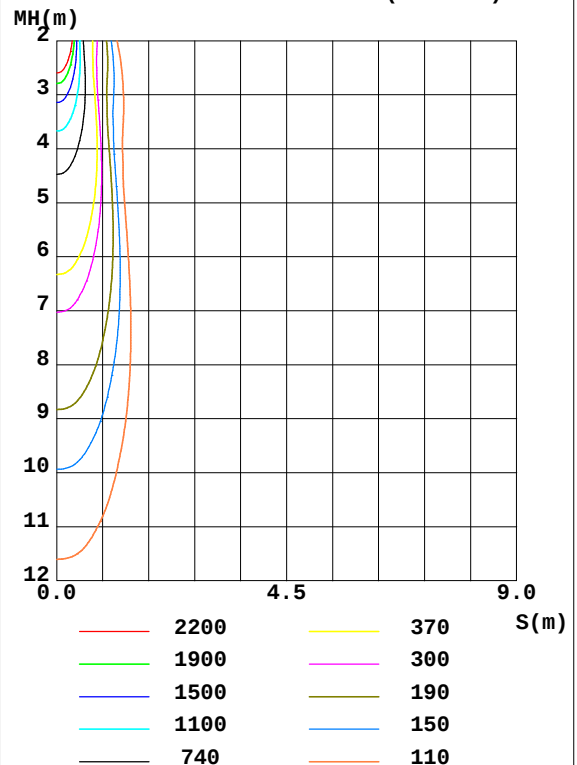
Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		

DATA OF LAMP		PHOTOMETRIC DATA Eff: 115.70 lm/W			
MODEL	PS-TL30W40KD1580RA-G	Imax(cd)	14812	S/MH(C0/180)	0.34
NOMINAL POWER(W)	30	LOR(%)	100.0	S/MH(C90/270)	0.33
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	3147.1	η UP, DN(C0-180)	1.7, 44.7
NOMINAL FLUX(lm)	3147.1	CIE CLASS	DIRECT	η UP, DN(C180-360)	1.7, 51.9
LAMPS INSIDE	1	η up(%)	3.4	CIBSE SHR NOM	0.00
TEST VOLTAGE(V)	220.6	η down(%)	96.6	CIBSE SHR MAX	1.00

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: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ZONAL FLUX DIAGRAM

ZONAL FLUX DIAGRAM:

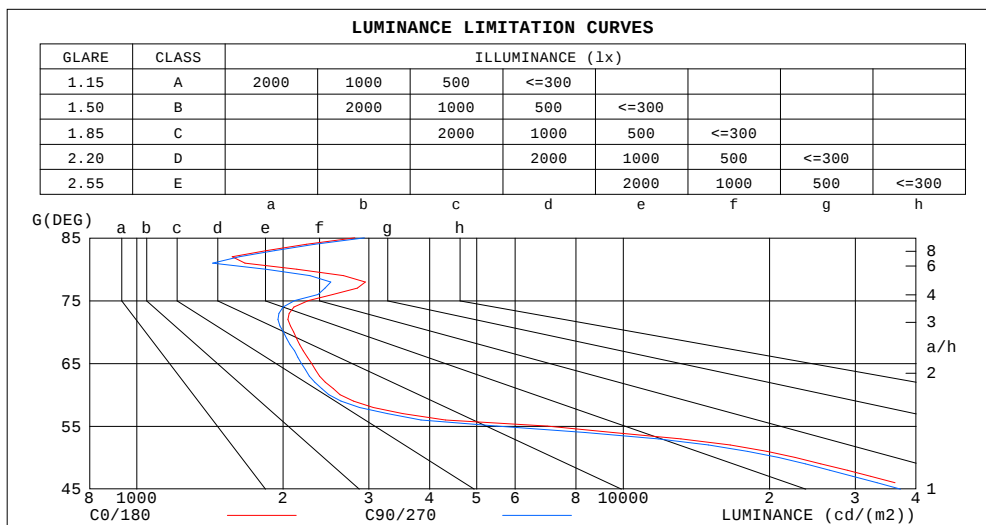
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum, lamp
10	761.4	787.5	794.3	600.8	801.2	755.4	808.1	934.7	0- 10	1047	1047	33.3,33.3
20	168.9	170.2	161.1	155.3	178.2	172.8	182.0	198.3	10- 20	969.6	2017	64.1,64.1
30	72.41	72.31	68.81	64.15	78.29	75.05	80.77	89.42	20- 30	540.6	2557	81.3,81.3
40	29.26	28.99	26.94	25.26	31.23	29.73	31.75	34.40	30- 40	295.3	2853	90.6,90.6
50	8.707	8.478	8.047	6.744	9.842	8.647	10.03	11.43	40- 50	138.1	2991	95,95
60	0.7856	0.7994	0.7453	0.7128	1.016	0.9633	0.9892	1.146	50- 60	31.29	3022	96,96
70	0.4316	0.4440	0.4106	0.3863	0.7459	0.7126	0.7127	0.7414	60- 70	6.869	3029	96.2,96.2
80	0.2223	0.2365	0.1919	0.1367	0.7939	0.7657	0.7810	0.8069	70- 80	5.796	3035	96.4,96.4
90	0.1011	0.1092	0.1088	0.2078	0.7565	0.7450	0.7316	0.7293	80- 90	4.835	3040	96.6,96.6
100	0.3305	0.3282	0.3471	0.3610	0.7839	0.7719	0.7605	0.7568	90-100	5.530	3045	96.8,96.8
110	0.6342	0.6294	0.6729	0.7092	0.9095	0.9025	0.8782	0.8582	100-110	6.820	3052	97,97
120	1.269	1.270	1.338	1.390	1.328	1.325	1.281	1.233	110-120	10.06	3062	97.3,97.3
130	2.036	2.015	2.055	2.110	1.766	1.753	1.708	1.674	120-130	14.32	3076	97.7,97.7
140	2.751	2.703	2.721	2.796	2.471	2.458	2.359	2.286	130-140	17.00	3093	98.3,98.3
150	3.547	3.477	3.402	3.575	3.492	3.463	3.268	3.282	140-150	18.73	3112	98.9,98.9
160	4.490	4.381	4.138	4.411	4.432	4.317	3.970	4.168	150-160	17.80	3130	99.5,99.5
170	5.096	4.900	4.618	4.681	4.976	4.669	4.387	4.606	160-170	12.97	3143	99.9,99.9
180	4.571	4.319	4.101	4.186	4.590	4.330	4.083	4.187	170-180	4.339	3147	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 30.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:DAMIN
 Test Date:2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
 Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
 Humidity:65.0%
 Test Distance:8.000m [K=0.7063]
 Remarks:

LUMINANCE LIMITATION CURVES

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		



LUMINANCE cd/(m2)		
G (DEG)	C0/180	C90/270
85	2808	2937
80	2134	1842
75	2253	2113
70	2103	2001
65	2288	2178
60	2619	2484
55	6973	5499
50	22577	20865
45	42656	37180

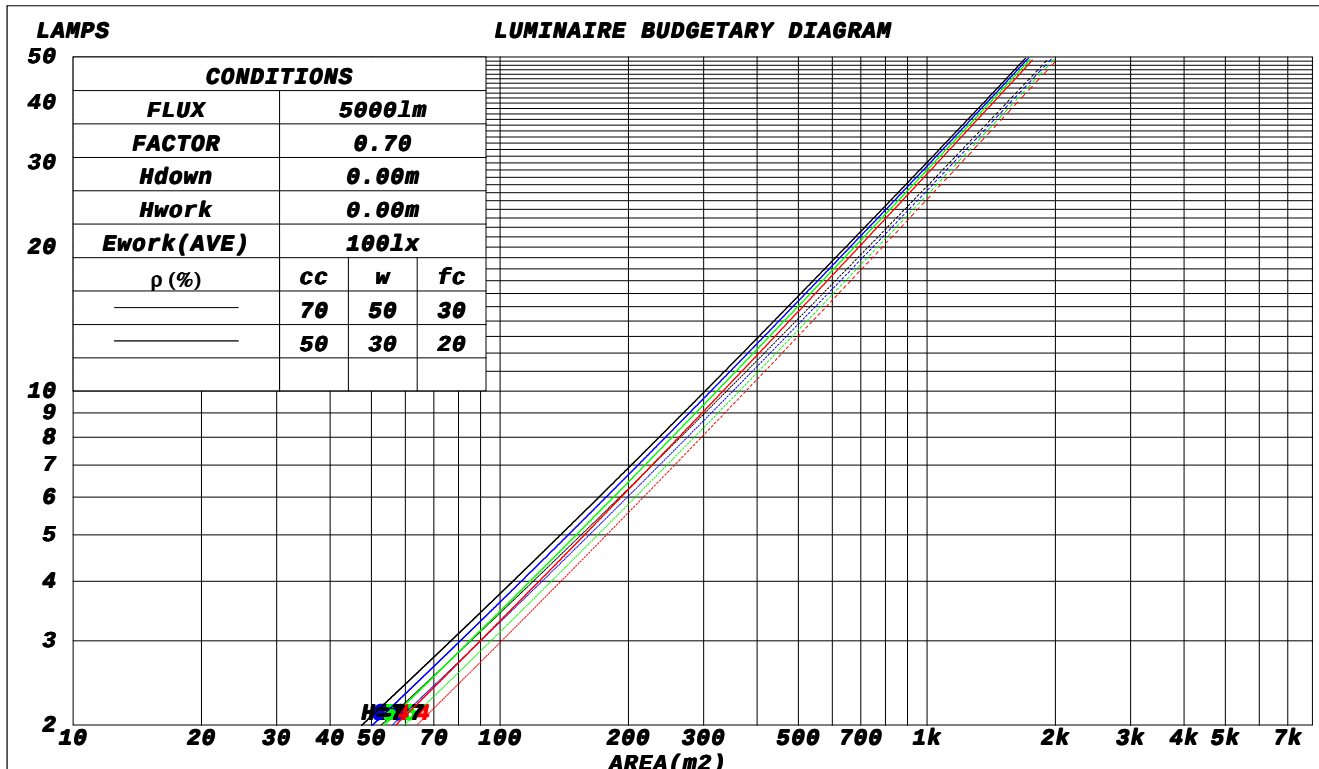
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

CU AND LUMINAIRE BUDGETARY ESTIMATE DIAGRAM

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE:LED	
MFR.:		

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fC}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Coefficients of Utilization(CU)									
0.0	1.18	1.18	1.18	1.15	1.15	1.15	1.09	1.09	1.09	1.04	1.04	1.04	.99	.99	.99	.97
1.0	1.11	1.09	1.07	1.09	1.07	1.05	1.04	1.03	1.01	.99	.99	.98	.96	.95	.94	.92
2.0	1.05	1.02	.99	1.03	.99	.97	.99	.97	.95	.96	.94	.92	.93	.91	.90	.88
3.0	.99	.95	.92	.98	.94	.91	.95	.92	.89	.92	.90	.88	.90	.88	.86	.84
4.0	.95	.90	.87	.93	.89	.86	.91	.87	.85	.89	.86	.83	.87	.84	.82	.81
5.0	.90	.86	.82	.89	.85	.82	.87	.84	.81	.85	.82	.80	.84	.81	.79	.77
6.0	.87	.82	.78	.86	.81	.78	.84	.80	.77	.82	.79	.77	.81	.78	.76	.75
7.0	.83	.78	.75	.82	.78	.75	.81	.77	.74	.80	.76	.74	.78	.75	.73	.72
8.0	.80	.75	.72	.80	.75	.72	.78	.74	.71	.77	.74	.71	.76	.73	.71	.69
9.0	.77	.73	.70	.77	.72	.69	.76	.72	.69	.75	.71	.69	.74	.71	.68	.67
10.0	.75	.70	.67	.74	.70	.67	.73	.69	.67	.72	.69	.66	.72	.68	.66	.65



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System:EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

WEC AND CCEC

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm											
NAME: PS-TL30W40KD1580RA-G						TYPE: LED					
MFR.:											

ρ_{CC}	80%			70%			50%			30%			10%			0	
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0	
ρ_{fc}	20%			20%			20%			20%			20%			0	
RCR	RCR:Room Cavity Ratio						Wall Exitance Coefficients(WEC)										
0.0																	
1.0	.155	.088	.028	.147	.084	.027	.132	.076	.024	.119	.069	.022	.107	.062	.020		
2.0	.145	.079	.024	.138	.076	.023	.126	.070	.022	.115	.064	.020	.104	.059	.019		
3.0	.135	.072	.022	.130	.070	.021	.120	.065	.020	.110	.060	.018	.101	.056	.017		
4.0	.127	.066	.019	.123	.064	.019	.114	.060	.018	.105	.057	.017	.098	.053	.016		
5.0	.120	.061	.018	.116	.060	.017	.108	.056	.017	.101	.053	.016	.094	.050	.015		
6.0	.114	.057	.016	.110	.056	.016	.103	.053	.015	.097	.050	.015	.091	.048	.014		
7.0	.108	.053	.015	.105	.052	.015	.099	.050	.014	.093	.048	.014	.087	.045	.013		
8.0	.103	.050	.014	.100	.049	.014	.094	.047	.013	.089	.045	.013	.084	.043	.013		
9.0	.098	.047	.013	.095	.046	.013	.090	.045	.013	.086	.043	.012	.081	.041	.012		
10.0	.093	.045	.012	.091	.044	.012	.087	.042	.012	.082	.041	.012	.078	.039	.011		

ρ_{CC}	80%			70%			50%			30%			10%			0
ρ_W	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	50%	30%	10%	0
ρ_{fc}	20%			20%			20%			20%			20%			0
RCR	RCR:Room Cavity Ratio						Ceiling Cavity Exitance Coefficients(CCEC)									
0.0	.217	.217	.217	.185	.185	.185	.126	.126	.126	.073	.073	.073	.023	.023	.023	
1.0	.196	.184	.173	.168	.158	.149	.115	.109	.103	.066	.063	.060	.021	.020	.019	
2.0	.179	.159	.142	.153	.137	.123	.105	.095	.086	.061	.055	.050	.019	.018	.016	
3.0	.165	.140	.120	.142	.121	.104	.097	.084	.073	.056	.049	.043	.018	.016	.014	
4.0	.154	.125	.103	.132	.108	.090	.091	.075	.063	.052	.044	.037	.017	.014	.012	
5.0	.144	.113	.090	.123	.098	.079	.085	.068	.056	.049	.040	.033	.016	.013	.011	
6.0	.135	.103	.080	.116	.089	.070	.080	.063	.050	.047	.037	.029	.015	.012	.010	
7.0	.128	.095	.073	.110	.083	.063	.076	.058	.045	.044	.034	.027	.014	.011	.009	
8.0	.122	.089	.066	.105	.077	.058	.072	.054	.041	.042	.032	.024	.014	.010	.008	
9.0	.116	.083	.061	.100	.072	.053	.069	.051	.038	.040	.030	.023	.013	.010	.007	
10.0	.111	.079	.057	.096	.068	.050	.067	.048	.035	.039	.028	.021	.013	.009	.007	

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

UGR(Unified Glare Rating) Table

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm										
NAME: PS-TL30W40KD1580RA-G					TYPE: LED					
MFR.:										
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	13.8	14.5	14.0	14.7	14.9	13.4	14.2	13.7	14.4	14.6
3H	13.6	14.3	13.9	14.5	14.8	13.3	14.0	13.6	14.2	14.5
4H	13.5	14.2	13.8	14.4	14.7	13.2	13.9	13.5	14.1	14.4
6H	13.5	14.1	13.8	14.4	14.7	13.1	13.7	13.5	14.0	14.3
8H	13.4	14.0	13.8	14.3	14.6	13.1	13.7	13.4	14.0	14.3
12H	13.4	13.9	13.7	14.2	14.6	13.0	13.6	13.4	13.9	14.3
4H 2H	13.5	14.2	13.8	14.4	14.7	13.2	13.8	13.5	14.1	14.4
3H	13.4	13.9	13.7	14.2	14.6	13.0	13.6	13.4	13.9	14.3
4H	13.3	13.8	13.7	14.1	14.5	13.0	13.5	13.4	13.8	14.2
6H	13.2	13.7	13.6	14.0	14.5	12.9	13.3	13.3	13.7	14.1
8H	13.1	13.6	13.6	14.0	14.4	12.8	13.3	13.3	13.7	14.1
12H	13.1	13.5	13.6	13.9	14.4	12.8	13.2	13.2	13.6	14.1
8H 4H	13.1	13.5	13.6	14.0	14.4	12.8	13.2	13.3	13.6	14.1
6H	13.1	13.4	13.5	13.8	14.3	12.7	13.1	13.2	13.5	14.0
8H	13.0	13.3	13.5	13.8	14.3	12.7	13.0	13.2	13.5	14.0
12H	13.0	13.2	13.5	13.7	14.3	12.6	12.9	13.2	13.4	13.9
12H 4H	13.1	13.5	13.5	13.9	14.3	12.8	13.1	13.2	13.6	14.0
6H	13.0	13.3	13.5	13.8	14.3	12.7	13.0	13.2	13.5	14.0
8H	12.9	13.2	13.5	13.7	14.2	12.6	12.9	13.1	13.4	13.9
Variations with the observer position at spacings:										
S = 1.0H	+ 2.4 / - 9.7					+ 2.4 / - 9.8				
1.5H	+ 3.5 / - 9.1					+ 3.4 / - 9.2				
2.0H	+ 6.3 / - 8.1					+ 5.8 / - 7.8				

CIE Pub.117, 3147 lm Total Lamp Luminous Flux Correct ($8\log(F/F_0) = 4.0$)

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

UTILIZATION FACTORS TABLE

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		

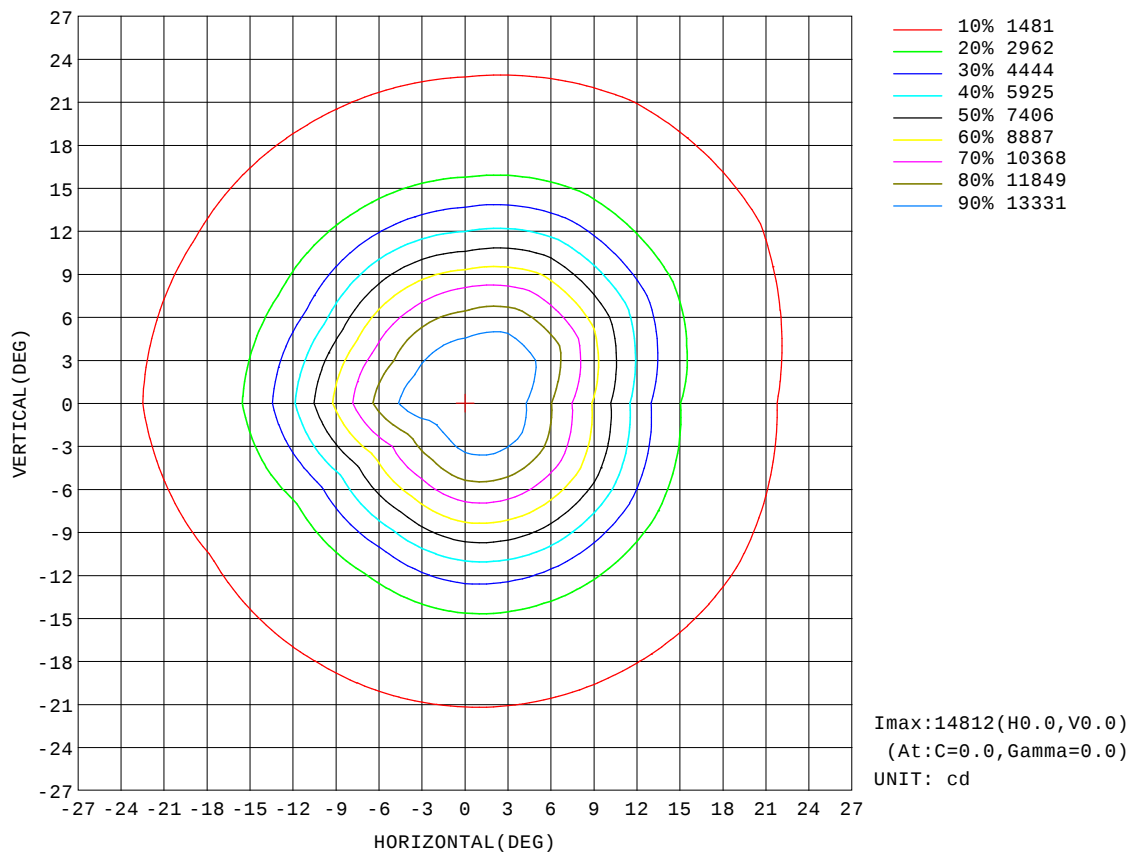
REFLECTANCE										
Ceiling	0.8	0.8	0.8	0.7	0.7	0.7	0.5	0.5	0.5	0
Walls	0.7	0.5	0.3	0.7	0.5	0.3	0.7	0.5	0.3	0
Working plane	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0.2	0
ROOM INDEX	UTILIZATION FACTORS(PERCENT) $k(RI) \times RCR = 5$									
$k = 0.60$	86	79	75	85	79	75	84	78	75	71
0.80	93	87	83	92	87	83	91	86	83	79
1.00	98	92	88	97	91	88	95	91	87	83
1.25	102	96	93	100	96	92	98	94	91	87
1.50	105	100	96	103	99	96	100	97	94	89
2.00	107	103	100	106	102	99	102	99	97	91
2.50	109	105	102	107	104	101	103	101	99	92
3.00	111	107	104	108	105	103	105	102	100	93
4.00	113	110	107	110	108	106	106	104	103	94
5.00	114	112	110	111	109	108	107	105	104	95
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: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ISOCANDELA DIAGRAM

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		



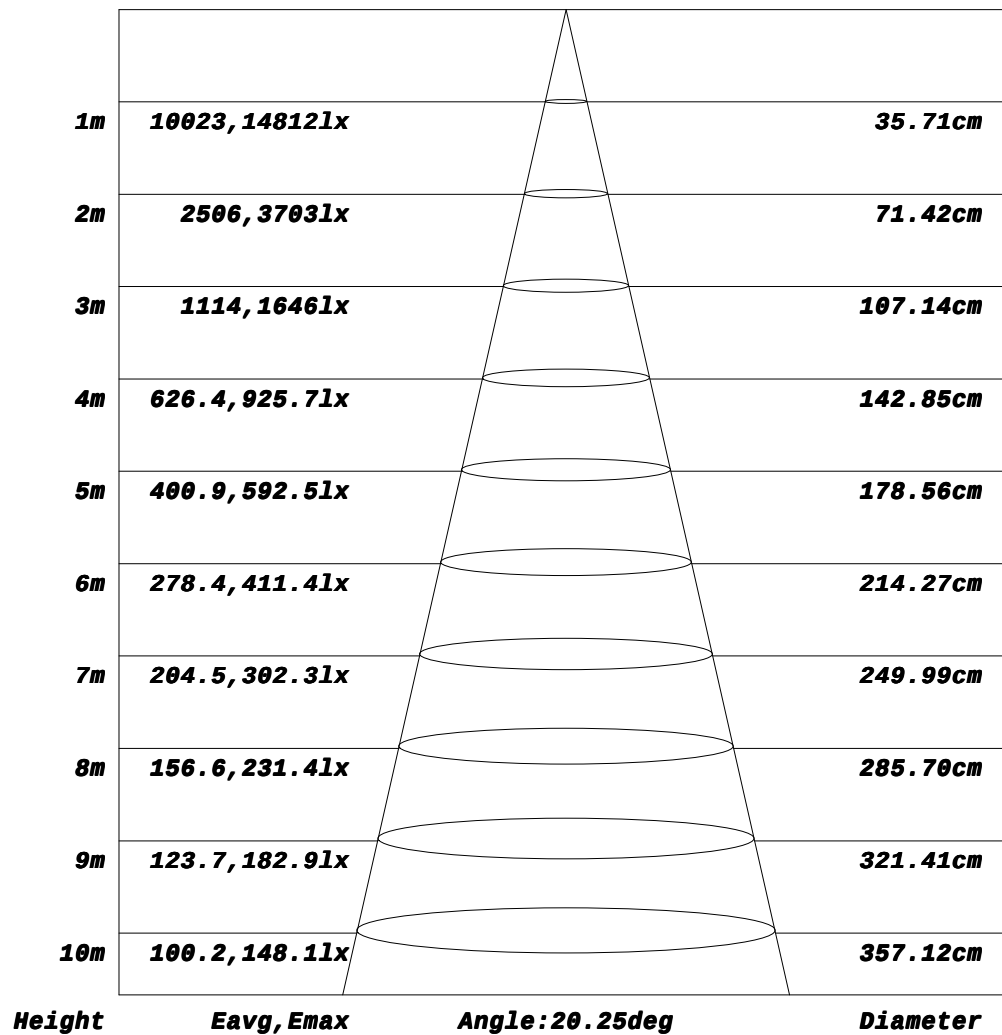
C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:DAMIN
Test Date:2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System:EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity:65.0%
Test Distance:8.000m [K=0.7063]
Remarks:

AAI Figure

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		

Flux out:1190 lm



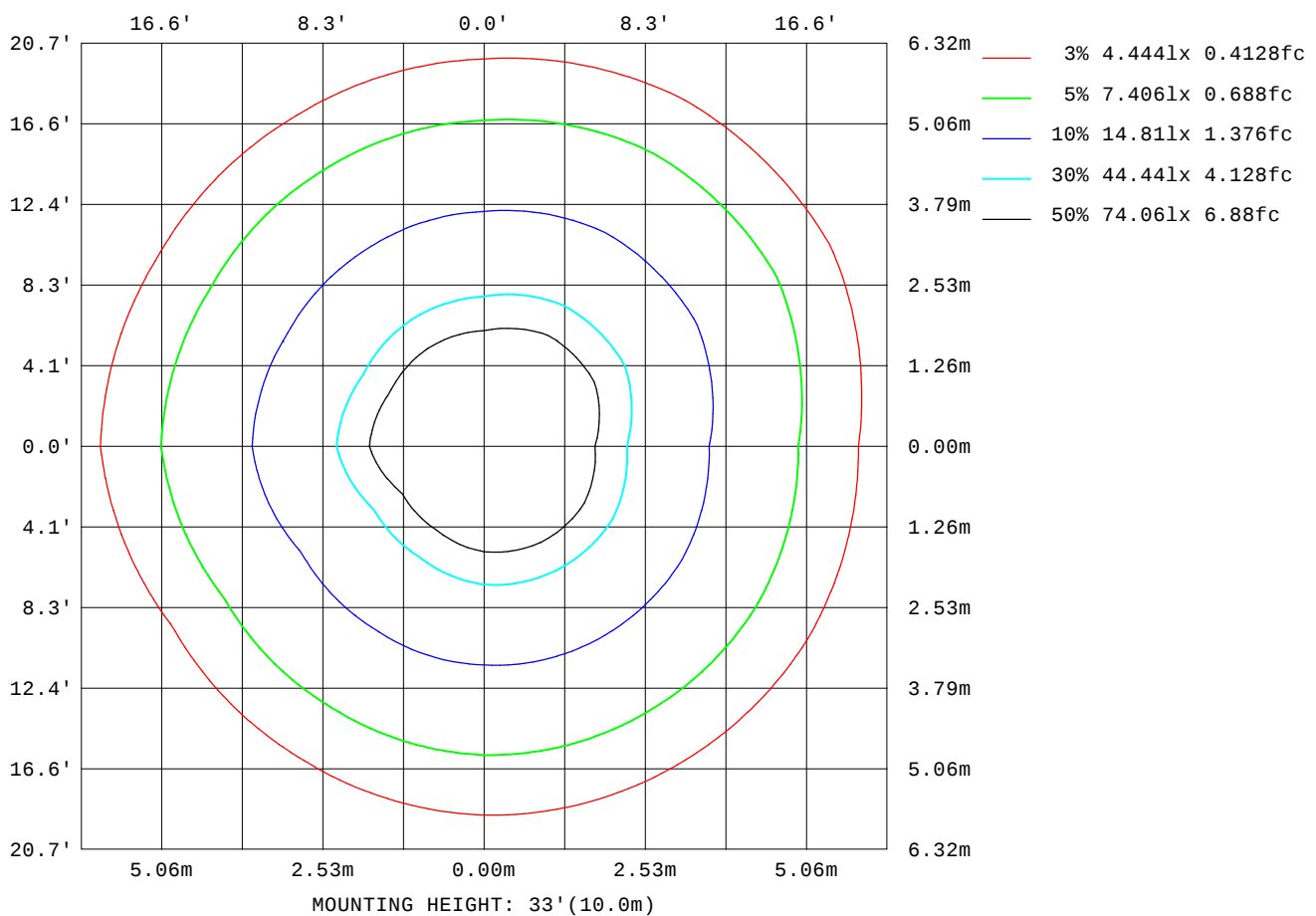
Note: The Curves indicate the illuminated area and the average illumination when the luminaire is at different distance.

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

ISOLUX DIAGRAM

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LED Avg.L Report

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		

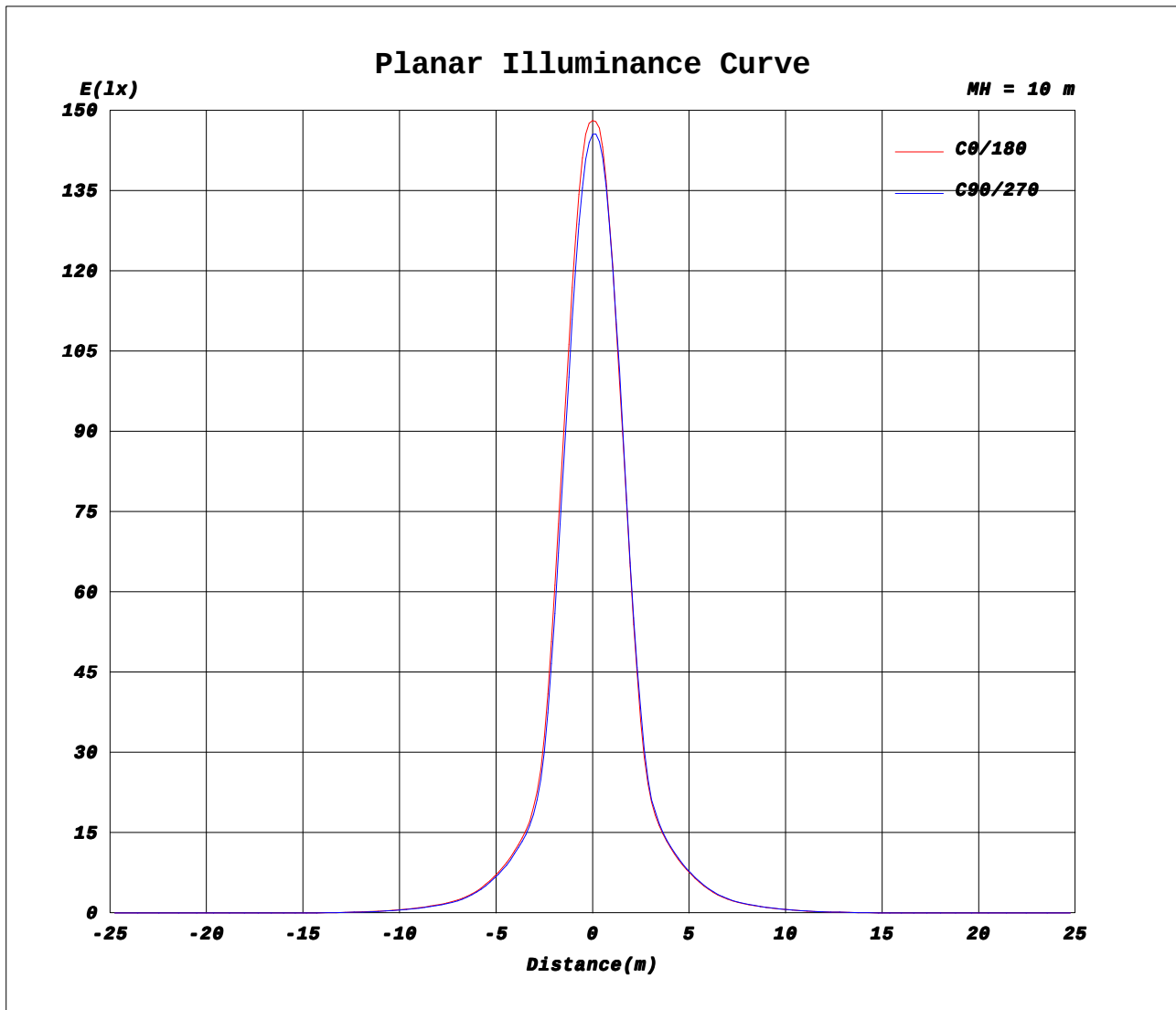
AvgL	cd/m2
L_0~180(65)av	2776
L_0~180(75)av	3640
L_0~180(85)av	8431
L_90~270(65)av	2604
L_90~270(75)av	3410
L_90~270(85)av	8205
L_45(65)av	2645
L_45(75)av	3478
L_45(85)av	8229

Standard: GB/T 29293-2012

C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 30.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
 γ Interval: 1.0DEG
Test System: EVERFINE G0-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.70V I:0.1270A P:27.200W PF:0.9660 Freq:50.00Hz Lamp Flux:3147.1x1 lm		
NAME: PS-TL30W40KD1580RA-G	TYPE: LED	
MFR.:		

Table--1

UNIT: ×10cd

C (DEG) γ (DEG)	0	30	60	90	120	150	180	210	240	270	300	330						
0	1481	1475	1466	1455	1443	1444	1481	1475	1466	1455	1443	1444						
5	1279	1298	1265	1221	1142	1129	1307	1255	1278	1302	1376	1382						
10	761	808	767	704	611	591	801	732	779	808	935	935						
15	298	318	301	277	243	238	324	295	313	340	417	418						
20	169	173	167	161	156	154	178	171	175	182	198	198						
25	114	115	112	109	104	103	121	116	118	124	137	137						
30	72.4	73.6	71.0	68.8	64.7	63.6	78.3	74.2	75.9	80.8	89.2	89.7						
35	44.0	44.5	42.9	41.6	39.0	38.8	47.6	44.6	45.7	48.8	54.3	54.1						
40	29.3	29.4	28.6	26.9	25.2	25.3	31.2	29.5	29.9	31.7	34.4	34.4						
45	18.1	17.2	16.6	15.8	14.0	14.0	18.8	16.9	17.8	19.1	21.8	21.7						
50	8.71	8.61	8.35	8.05	6.69	6.80	9.84	8.36	8.93	10.0	11.5	11.4						
55	2.40	2.49	2.44	1.89	1.35	1.28	2.95	2.54	2.71	3.39	4.55	4.64						
60	0.79	0.81	0.79	0.75	0.70	0.72	1.02	0.97	0.96	0.99	1.14	1.15						
65	0.58	0.59	0.57	0.55	0.52	0.53	0.83	0.77	0.77	0.77	0.82	0.82						
70	0.43	0.46	0.43	0.41	0.38	0.39	0.75	0.71	0.71	0.71	0.74	0.74						
75	0.35	0.35	0.36	0.33	0.32	0.33	0.78	0.75	0.76	0.73	0.74	0.73						
80	0.22	0.25	0.22	0.19	0.14	0.13	0.79	0.76	0.77	0.78	0.80	0.81						
85	0.15	0.14	0.15	0.15	0.16	0.16	0.73	0.73	0.72	0.70	0.69	0.69						
90	0.19	0.19	0.19	0.20	0.21	0.21	0.76	0.75	0.74	0.73	0.73	0.73						
95	0.25	0.25	0.25	0.26	0.28	0.27	0.77	0.76	0.75	0.74	0.74	0.74						
100	0.33	0.32	0.33	0.35	0.36	0.36	0.78	0.78	0.77	0.76	0.76	0.76						
105	0.45	0.44	0.45	0.47	0.50	0.49	0.82	0.82	0.81	0.80	0.79	0.79						
110	0.63	0.62	0.64	0.67	0.71	0.71	0.91	0.91	0.90	0.88	0.86	0.86						
115	0.91	0.90	0.92	0.97	1.02	1.02	1.09	1.10	1.07	1.05	1.01	1.00						
120	1.27	1.25	1.29	1.34	1.40	1.38	1.33	1.34	1.31	1.28	1.23	1.23						
125	1.66	1.64	1.67	1.71	1.77	1.76	1.55	1.56	1.53	1.50	1.47	1.47						
130	2.04	2.00	2.02	2.05	2.11	2.11	1.77	1.77	1.74	1.71	1.67	1.67						
135	2.39	2.36	2.35	2.38	2.44	2.45	2.04	2.06	2.01	1.97	1.92	1.92						
140	2.75	2.71	2.70	2.72	2.78	2.81	2.47	2.48	2.43	2.36	2.29	2.28						
145	3.13	3.08	3.06	3.07	3.15	3.19	2.98	3.00	2.94	2.84	2.78	2.77						
150	3.55	3.49	3.46	3.40	3.55	3.60	3.49	3.50	3.43	3.27	3.28	3.28						
155	4.01	3.94	3.90	3.76	3.95	4.05	3.96	3.96	3.86	3.62	3.73	3.74						
160	4.49	4.42	4.34	4.14	4.32	4.51	4.43	4.40	4.24	3.97	4.15	4.19						
165	4.93	4.85	4.69	4.49	4.58	4.84	4.82	4.74	4.50	4.26	4.44	4.56						
170	5.10	5.01	4.79	4.62	4.58	4.79	4.98	4.79	4.54	4.37	4.51	4.70						
175	4.78	4.70	4.47	4.31	4.20	4.37	4.67	4.48	4.25	4.14	4.25	4.45						
180	4.57	4.43	4.21	4.10	4.09	4.28	4.59	4.43	4.23	4.08	4.10	4.27						

C Range: 0 - 360DEG
C Interval: 30.0DEG
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Operators: DAMIN
Test Date: 2018-11-10

γ Range: 0 - 180DEG
γ Interval: 1.0DEG
Test System: EVERFINE GO-2000B_V1 SYSTEM V2.0.267
Humidity: 65.0%
Test Distance: 8.000m [K=0.7063]
Remarks: