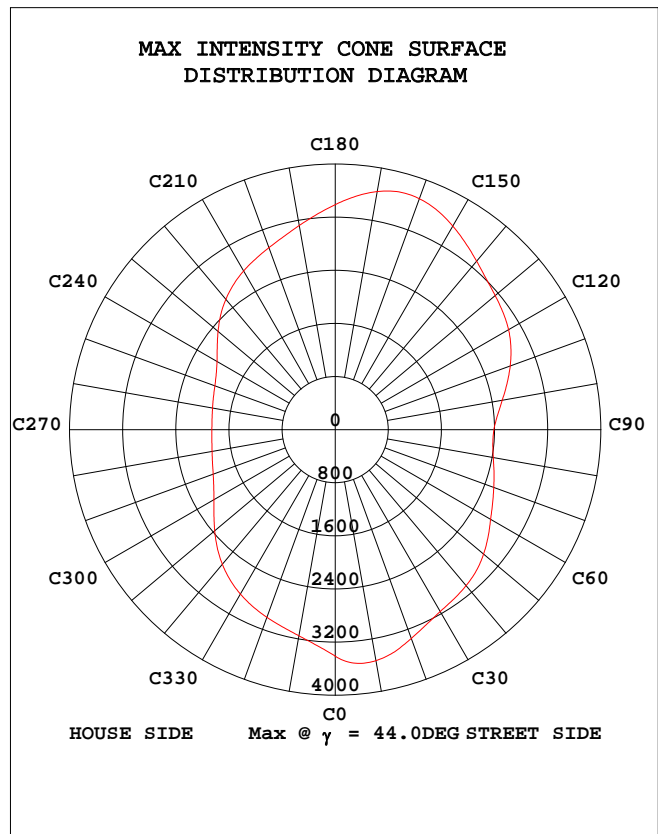
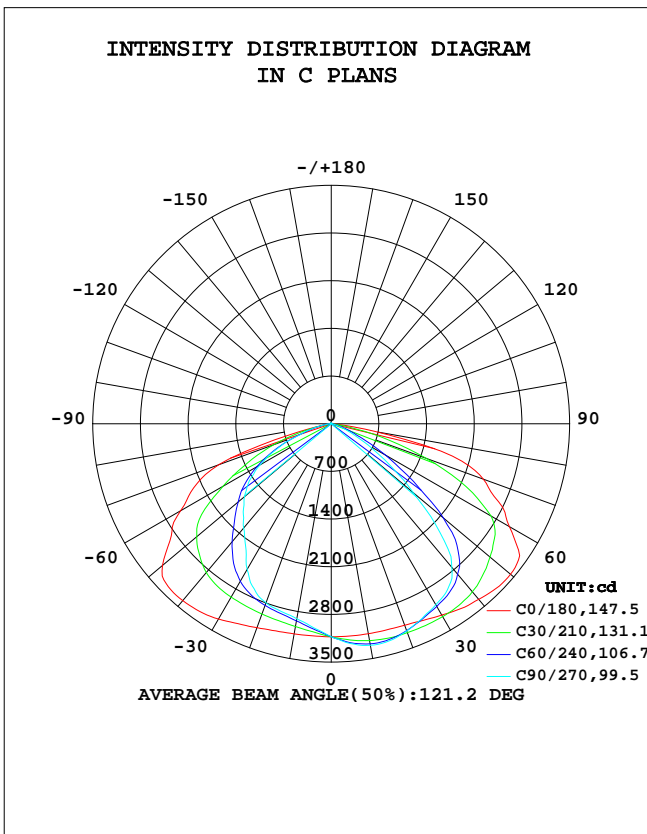


**STREETLIGHT PHOTOMETRIC TEST REPORT**

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 136.00 lm/W			
MODEL		I <sub>max</sub> (cd)	3708	η street_up(%)	0.3
NOMINAL POWER(W)	80	LOR(%)	100.0	η street_down(%)	52.7
RATED VOLTAGE(V)	120	TOTAL FLUX(lm)	10572	η house_up(%)	0.3
NOMINAL FLUX(lm)	10571.6	MAXIMUM @(C,γ )	165,44.0	η house_down(%)	46.7
LAMPS INSIDE	1	η up(%)	0.6	76 FLASHAREA(m2)	0.00100
TEST VOLTAGE(V)	120	η down(%)	99.4	SLI	20.721

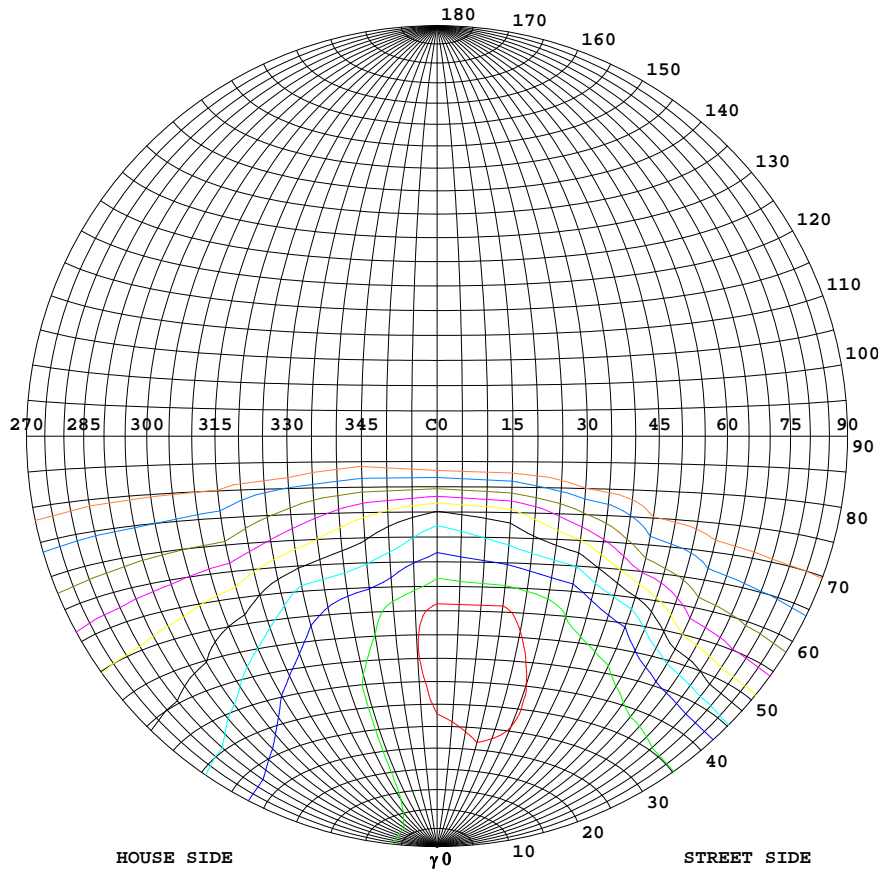


C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: HXF  
 Test Date: 22 July 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

**STREETLIGHT ISOCANDELA DIAGRAM**

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:



**Classification:**

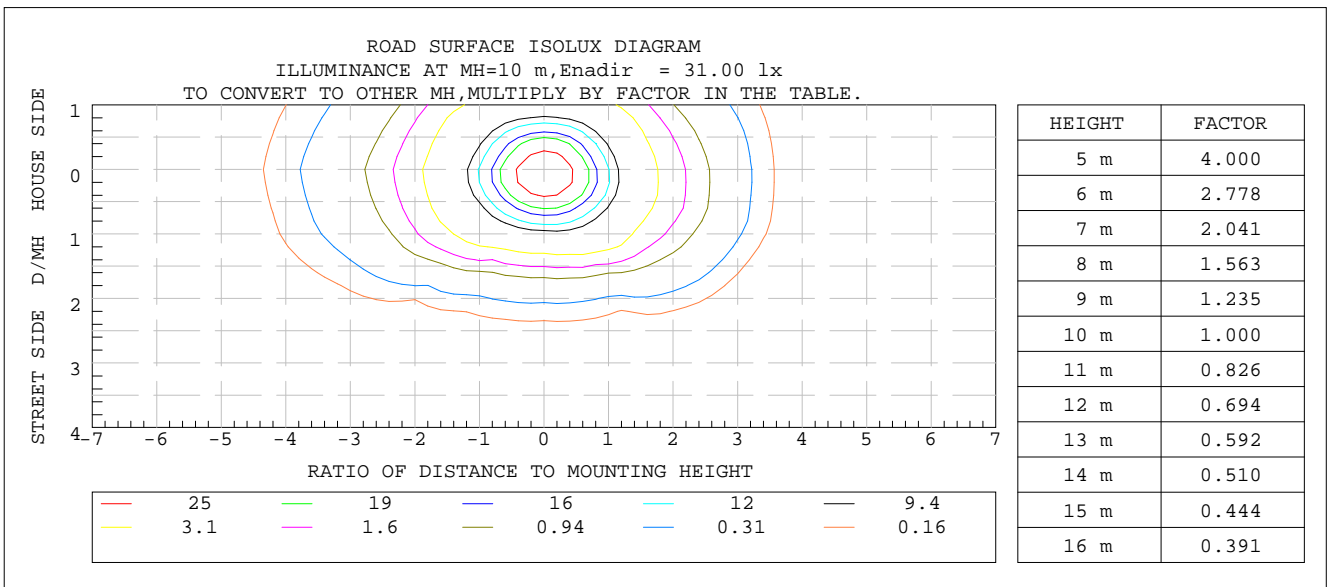
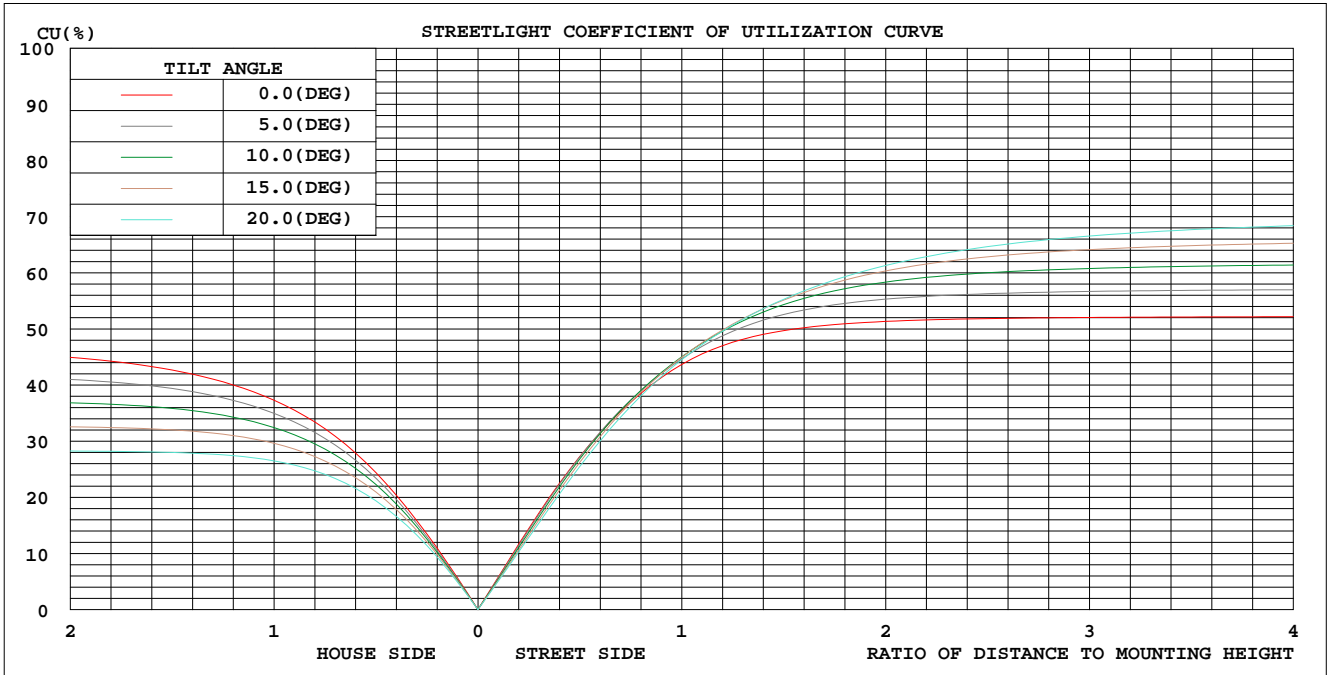
IES:Type II - Very Short  
 CIE:Narrow - Short  
 IES:Cut-off  
 CIE:Semi-cut-off  
 Max.At80:60.94cd/klm  
 Max.At90:1.956cd/klm  
 Max.80-90:60.94cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	3708
90%	3337
80%	2966
70%	2596
60%	2225
50%	1854
40%	1483
30%	1112
20%	742
10%	371
5%	185

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:HXF  
 Test Date:22 July 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

COEFFICIENT OF UTILIZATION CURVE  
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG  
C Interval: 15.0DEG  
Test Speed: HIGH  
Temperature: 25DEG  
Operators: HXF  
Test Date: 22 July 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
Humidity: 65.0%  
Test Distance: 7.700m [K=1.0000]  
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

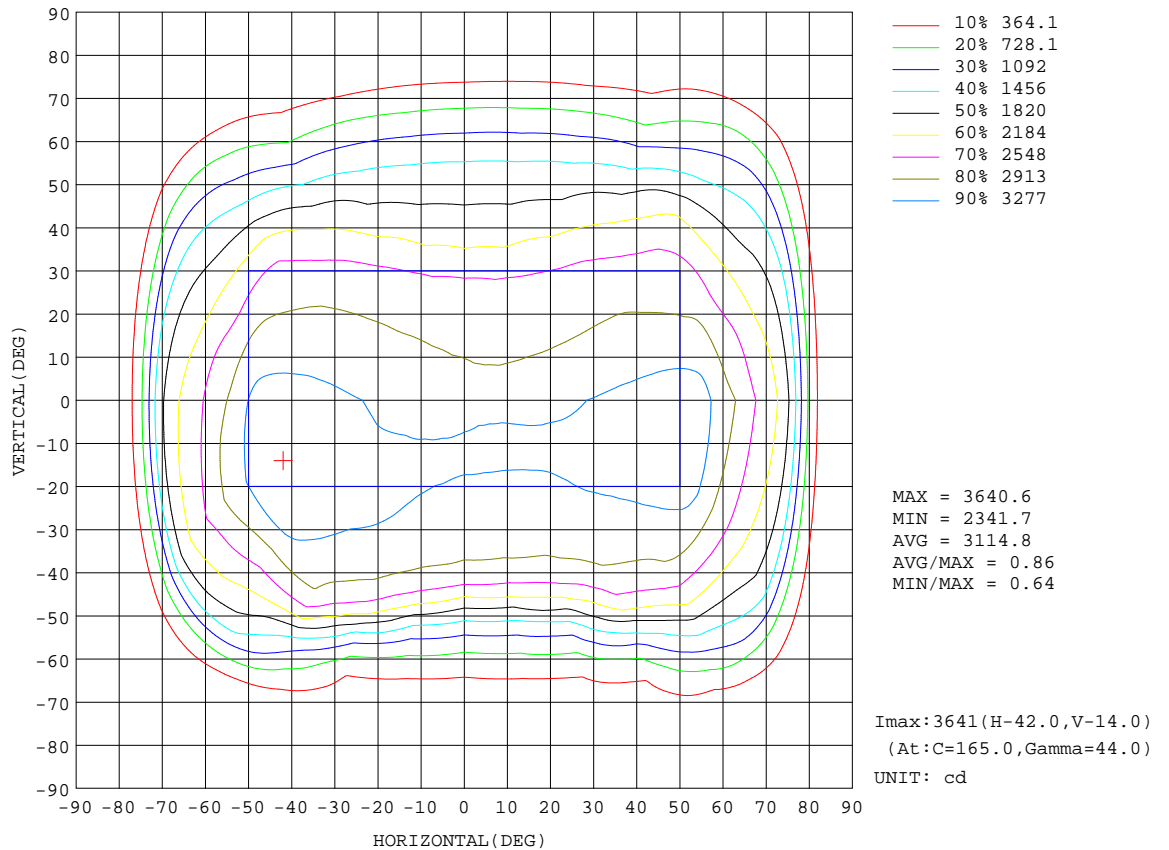
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	lum,lamp
10	3130	3262	3302	3290	3133	2976	2908	2968	0- 10	298.2	298.2	2.82,2.82
20	3148	3262	3240	3394	3187	2896	2798	2898	10- 20	882.9	1181	11.2,11.2
30	3242	3187	3070	3428	3310	2818	2471	2810	20- 30	1424	2606	24.6,24.6
40	3366	3090	2753	3304	3391	2596	1999	2639	30- 40	1869	4474	42.3,42.3
50	3437	2819	1569	3069	3233	2130	1664	2258	40- 50	2109	6583	62.3,62.3
60	3021	1873	632.0	2187	2553	1389	1202	1657	50- 60	1946	8529	80.7,80.7
70	2377	489.8	178.2	696.1	1750	541.2	544.1	806.4	60- 70	1353	9883	93.5,93.5
80	644.2	73.43	22.32	40.67	85.98	103.4	116.5	191.8	70- 80	564.6	10447	98.8,98.8
90	9.531	4.841	4.950	5.173	5.944	6.426	13.04	19.87	80- 90	60.03	10507	99.4,99.4
100	6.365	5.426	5.543	6.059	8.337	6.004	5.434	6.037	90-100	6.643	10514	99.5,99.5
110	10.10	7.162	6.946	7.985	12.14	7.839	6.064	8.734	100-110	7.573	10521	99.5,99.5
120	13.21	9.634	8.738	9.983	14.48	10.18	7.830	11.94	110-120	9.465	10531	99.6,99.6
130	14.86	10.95	10.20	11.38	15.18	12.59	10.95	14.51	120-130	10.50	10541	99.7,99.7
140	15.03	11.14	11.37	12.04	14.71	13.99	13.78	15.52	130-140	10.11	10551	99.8,99.8
150	14.38	12.95	12.40	12.50	13.97	14.08	14.53	15.15	140-150	8.474	10560	99.9,99.9
160	14.22	13.75	13.16	13.11	14.07	14.20	14.69	14.68	150-160	6.254	10566	99.9,99.9
170	14.22	14.45	14.15	14.23	14.18	15.04	15.21	14.95	160-170	3.988	10570	100,100
180	14.52	15.10	15.03	14.93	14.50	15.13	15.06	14.92	170-180	1.407	10572	100,100
DEG	LUMINOUS INTENSITY:cd									UNIT:lm		

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:HXF  
 Test Date:22 July 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

**ISOCANDELA DIAGRAM**

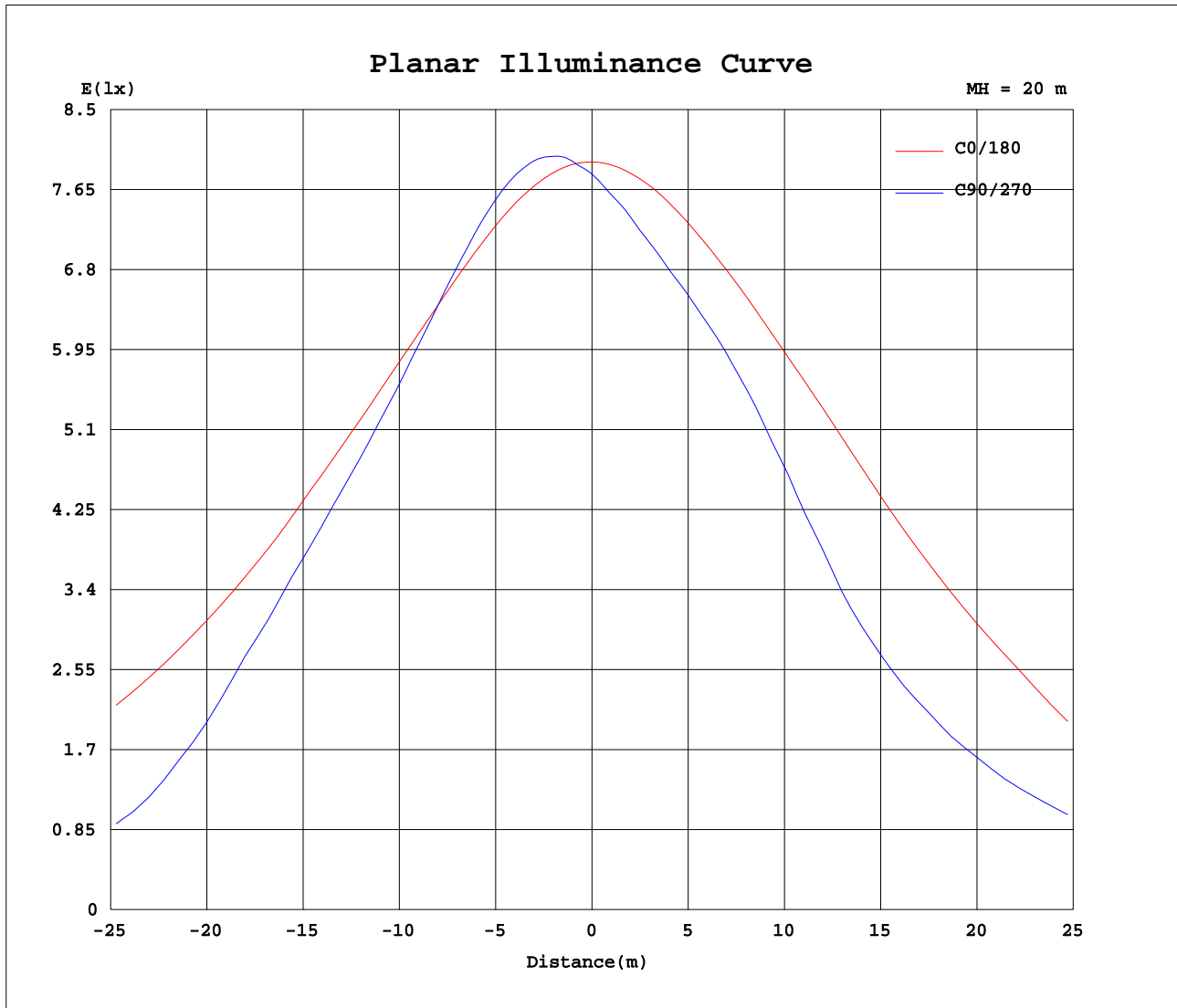
Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: HXF  
 Test Date: 22 July 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

Planar Illuminance Curve



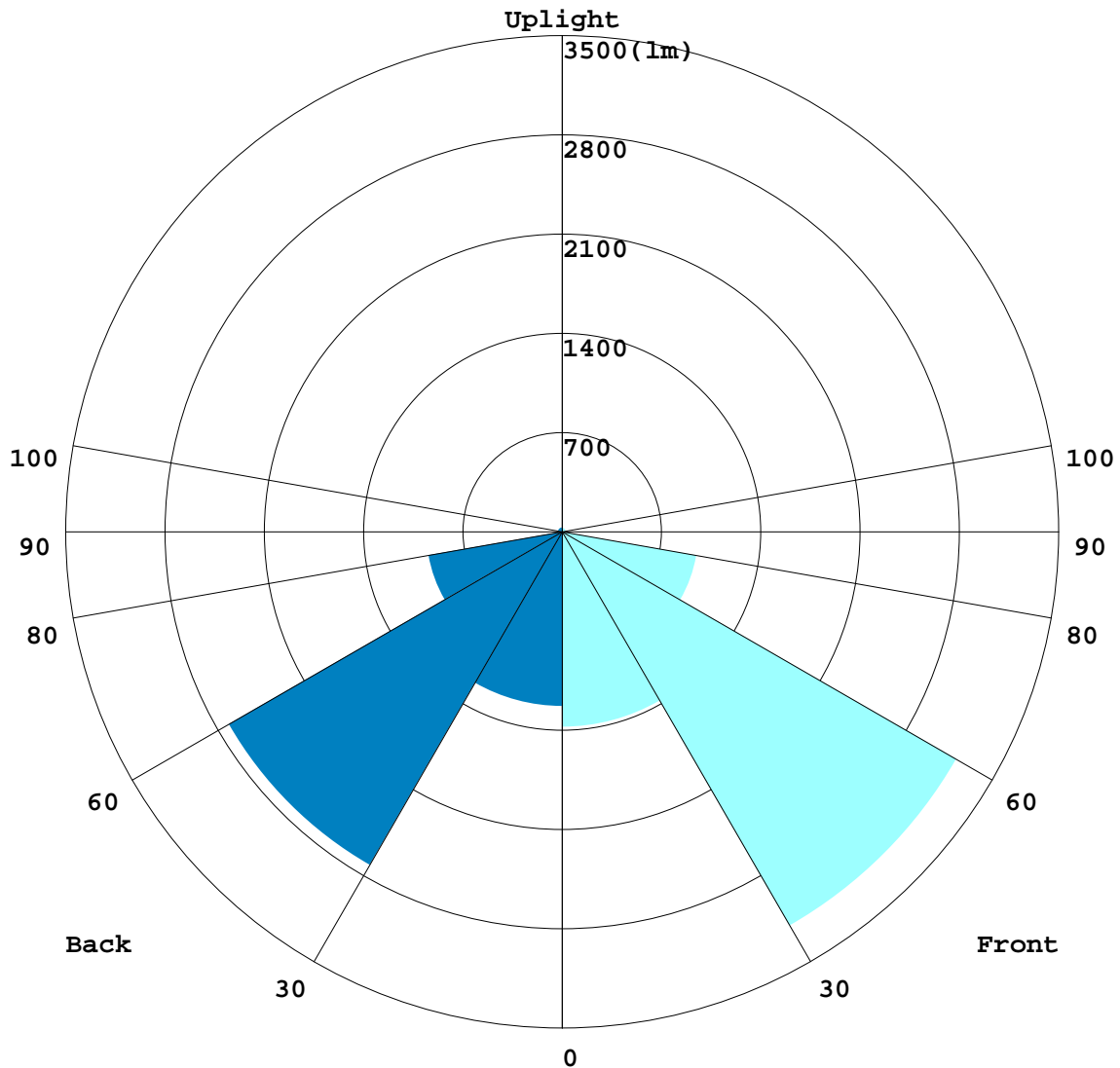
C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: HXF  
 Test Date: 22 July 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

**LCS REPORT**

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

**LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH**



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:HXF  
 Test Date:22 July 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:

**BUG REPORT**

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

**IESNA Luminaire Flux Distribution Table:**

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1375.4	13.0
FM - Front-Medium(30-60)	3209.3	30.4
FH - Front-High(60-80)	961.28	9.1
FVH - Front-Very High(80-90)	21.699	0.2
<b>Total Forward Light</b>	<b>5598.4</b>	<b>53.0</b>

BL - Back-Low(0-30)	1230.2	11.6
BM - Back-Medium(30-60)	2714.3	25.7
BH - Back-High(60-80)	956.73	9.1
BVH - Back-Very High(80-90)	38.333	0.4
<b>Total Back Light</b>	<b>4973.2</b>	<b>47.0</b>

UL - Uplight-Low(90-100)	6.6429	0.1
UH - Uplight-High(100-180)	57.773	0.5
<b>Total Up Light</b>	<b>64.415</b>	<b>0.6</b>

<b>BUG(Back,Up,Glare) Rating</b>	<b>B3-U3-G2</b>
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	4939.5	33.722	4973.2
Street Side	5567.7	30.694	5598.4

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:HXF  
 Test Date:22 July 2019

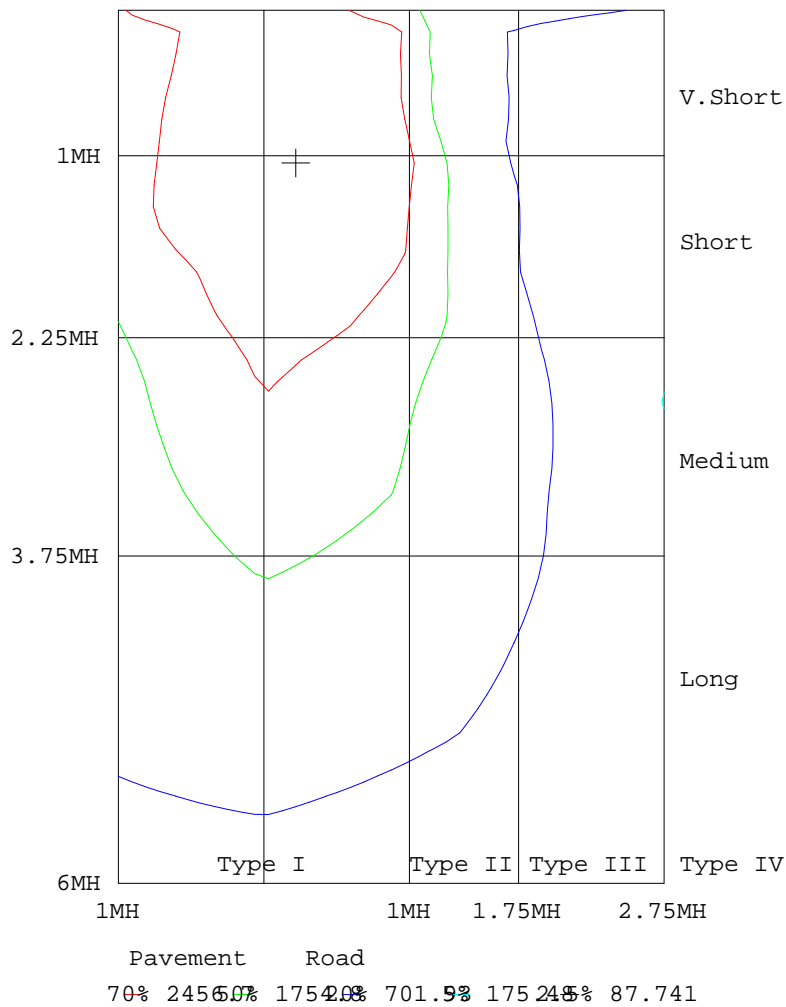
γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks:



**ROAD ISOCANDELA REPORT**

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: HXF  
 Test Date: 22 July 2019

$\gamma$  Range: 0 - 180DEG  
 $\gamma$  Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding 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	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127	3127
5	3129	3159	3187	3207	3227	3237	3240	3238	3233	3212	3192	3161	3126	3095	3068	3043	3025	3011	3006
10	3130	3185	3232	3262	3280	3298	3302	3311	3309	3290	3257	3202	3133	3075	3023	2976	2940	2917	2908
15	3134	3207	3258	3280	3280	3294	3300	3330	3347	3346	3320	3248	3149	3068	2994	2930	2882	2859	2850
20	3148	3229	3265	3262	3233	3231	3240	3299	3347	3394	3392	3316	3187	3075	2973	2896	2839	2808	2798
25	3186	3269	3269	3223	3164	3143	3155	3238	3323	3431	3486	3411	3239	3080	2956	2864	2776	2706	2677
30	3242	3327	3270	3187	3098	3060	3070	3169	3291	3428	3568	3526	3310	3083	2939	2818	2671	2521	2471
35	3314	3385	3260	3153	3024	2971	2974	3084	3236	3388	3618	3613	3365	3085	2913	2738	2501	2270	2194
40	3366	3436	3222	3090	2886	2784	2753	2918	3133	3304	3603	3682	3391	3055	2852	2596	2266	2044	1999
45	3421	3465	3144	2982	2633	2350	2256	2586	2976	3191	3518	3706	3383	2995	2733	2394	2008	1864	1830
50	3437	3442	3042	2819	2141	1697	1569	1945	2660	3069	3343	3574	3233	2867	2579	2130	1784	1685	1664
55	3376	3353	2927	2504	1473	1121	1041	1245	1940	2876	2857	3203	2866	2494	2323	1781	1554	1478	1472
60	3021	2964	2711	1873	918	695	632	737	1096	2187	2443	2850	2553	2153	1835	1389	1261	1205	1202
65	2714	2525	2186	1068	485	377	336	379	510	1267	2036	2485	2231	1799	1350	940	925	884	882
70	2377	2076	1486	490	255	198	178	197	247	696	1411	1926	1750	1338	897	541	558	534	544
75	1842	1562	769	192	120	93.2	75.3	89.9	105	199	439	733	649	623	415	254	271	296	303
80	644	508	187	73.4	44.9	30.1	22.3	26.5	31.7	40.7	70.1	84.0	86.0	134	107	103	121	123	116
85	75.1	57.8	29.2	15.9	7.84	5.97	5.28	5.27	5.32	5.65	6.49	9.67	16.5	26.4	32.4	36.7	46.8	43.7	46.9
90	9.53	6.04	4.86	4.84	4.90	4.94	4.95	5.02	5.15	5.17	5.35	5.51	5.94	5.89	5.57	6.43	9.29	11.0	13.0
95	5.38	5.30	5.14	5.04	5.10	5.13	5.16	5.26	5.42	5.49	5.91	6.30	6.88	6.76	6.12	5.60	5.37	5.37	5.33
100	6.36	6.03	5.70	5.43	5.46	5.49	5.54	5.67	5.90	6.06	6.74	7.56	8.34	7.97	6.98	6.00	5.51	5.47	5.43
105	7.97	7.33	6.69	6.16	6.01	6.05	6.15	6.29	6.60	6.94	7.88	9.08	10.3	9.63	8.08	6.78	5.86	5.70	5.63
110	10.1	9.20	8.24	7.16	6.74	6.84	6.95	7.07	7.40	7.99	9.15	10.7	12.1	11.4	9.36	7.84	6.48	6.16	6.06
115	11.9	10.9	9.64	8.31	7.59	7.74	7.85	7.95	8.32	9.05	10.4	12.1	13.5	13.1	10.8	9.01	7.43	6.89	6.76
120	13.2	12.2	10.9	9.63	8.66	8.66	8.74	8.79	9.23	9.98	11.4	13.1	14.5	14.2	12.3	10.2	8.69	7.98	7.83
125	14.2	13.2	11.9	10.6	9.58	9.52	9.54	9.62	10.02	10.8	12.2	13.7	15.0	14.7	13.5	11.4	10.0	9.39	9.29
130	14.9	13.9	12.7	10.9	10.5	10.3	10.2	10.3	10.7	11.4	12.7	14.0	15.2	14.9	14.2	12.6	11.3	10.9	10.9
135	15.1	14.4	13.3	10.7	11.5	11.0	10.8	10.9	11.2	11.8	12.9	14.0	15.0	14.8	14.4	13.5	12.6	12.3	12.6
140	15.0	14.5	12.9	11.1	12.2	11.7	11.4	11.4	11.6	12.0	13.0	13.9	14.7	14.6	14.4	14.0	13.6	13.6	13.8
145	14.7	14.4	12.4	12.1	12.7	12.3	11.9	11.8	12.0	12.3	13.0	13.7	14.3	14.3	14.3	14.1	14.0	14.2	14.4
150	14.4	14.2	11.9	12.9	13.1	12.7	12.4	12.2	12.3	12.5	13.0	13.5	14.0	14.0	14.0	14.1	14.1	14.3	14.5
155	14.1	13.3	12.2	13.5	13.3	13.0	12.8	12.6	12.6	12.7	13.0	13.4	13.8	13.8	13.9	14.0	14.1	14.3	14.5
160	14.2	12.8	12.9	13.7	13.5	13.3	13.2	13.0	13.0	13.1	13.3	13.5	14.1	14.0	14.0	14.2	14.3	14.6	14.7
165	14.4	13.2	14.0	14.1	13.9	13.7	13.6	13.6	13.6	13.6	13.8	13.9	14.1	14.4	14.3	14.6	14.6	14.9	14.9
170	14.2	13.8	14.7	14.5	14.4	14.3	14.1	14.2	14.2	14.2	14.3	14.4	14.2	14.9	14.9	15.0	15.1	15.3	15.2
175	14.4	14.5	14.9	14.8	14.8	14.8	14.7	14.7	14.7	14.6	14.7	14.6	14.5	15.1	15.1	15.1	15.2	15.3	15.2
180	14.5	14.9	15.1	15.1	15.1	15.2	15.0	15.0	15.0	14.9	14.9	14.5	14.5	14.9	15.1	15.1	15.1	15.2	15.1

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature: 25DEG  
 Operators: HXF  
 Test Date: 22 July 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System: EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity: 65.0%  
 Test Distance: 7.700m [K=1.0000]  
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.42V I:0.6552A P:77.730W PF:0.9934 Freq:59.97Hz Lamp Flux:10571.6x1 lm		
NAME: LBL300 80W 4000K-1	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: SUNLE	SUR.:	Shielding Angle:

Table--2

UNIT: cd

C(DEG) γ (DEG)	285	300	315	330	345														
0	3127	3127	3127	3127	3127														
5	3010	3019	3038	3063	3094														
10	2915	2935	2968	3016	3072														
15	2864	2886	2926	2984	3061														
20	2817	2849	2898	2967	3062														
25	2707	2780	2860	2953	3069														
30	2516	2664	2810	2940	3075														
35	2260	2500	2745	2929	3081														
40	2051	2295	2639	2904	3095														
45	1881	2069	2475	2837	3069														
50	1715	1860	2258	2721	3024														
55	1520	1653	1993	2574	2933														
60	1264	1395	1657	2350	2618														
65	951	1068	1271	1842	2249														
70	613	712	806	1337	1852														
75	343	373	451	865	1387														
80	159	175	192	392	591														
85	57.2	72.4	74.3	94.0	131														
90	15.4	18.5	19.9	20.7	17.8														
95	5.38	5.48	5.61	5.91	6.06														
100	5.48	5.63	6.04	6.68	7.13														
105	5.74	6.06	7.00	8.12	8.67														
110	6.24	7.10	8.73	10.09	10.7														
115	7.12	8.55	10.5	11.8	12.3														
120	8.57	10.4	11.9	13.1	13.5														
125	10.4	12.2	13.2	14.0	14.2														
130	12.3	13.4	14.5	14.4	14.4														
135	13.6	14.3	15.3	14.3	14.3														
140	14.4	14.9	15.5	13.8	13.7														
145	14.8	15.1	15.4	12.9	13.0														
150	14.8	15.1	15.2	12.6	11.9														
155	14.8	15.0	14.8	12.7	11.2														
160	14.9	14.9	14.7	13.6	11.5														
165	15.0	15.0	14.7	14.3	12.2														
170	15.2	15.1	14.9	14.8	13.1														
175	15.2	15.1	15.0	14.9	14.0														
180	15.1	15.0	14.9	14.9	14.5														

C Range: 0 - 360DEG  
 C Interval: 15.0DEG  
 Test Speed: HIGH  
 Temperature:25DEG  
 Operators:HXF  
 Test Date:22 July 2019

γ Range: 0 - 180DEG  
 γ Interval: 1.0DEG  
 Test System:EVERFINE GO-2000B\_V1 SYSTEM V2.0.404.6  
 Humidity:65.0%  
 Test Distance:7.700m [K=1.0000]  
 Remarks: