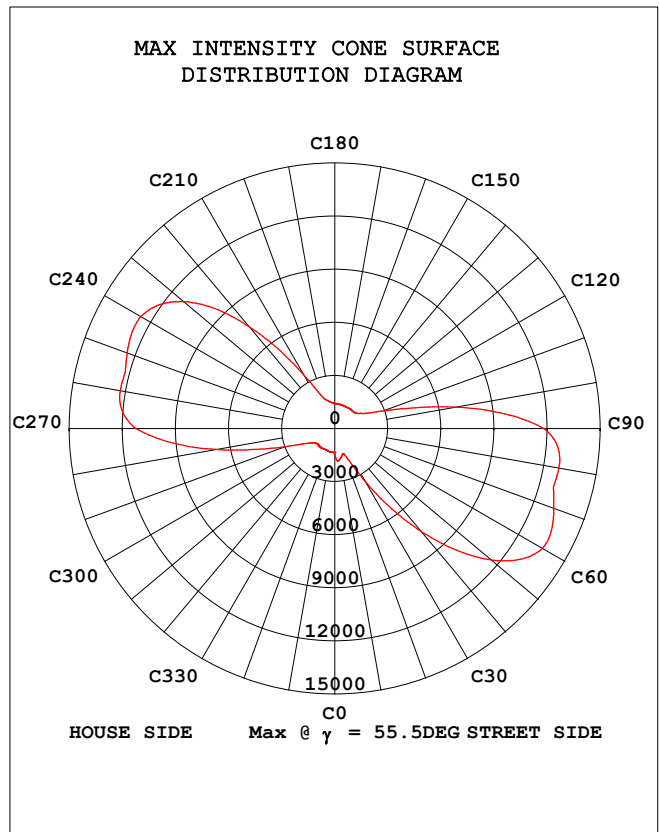
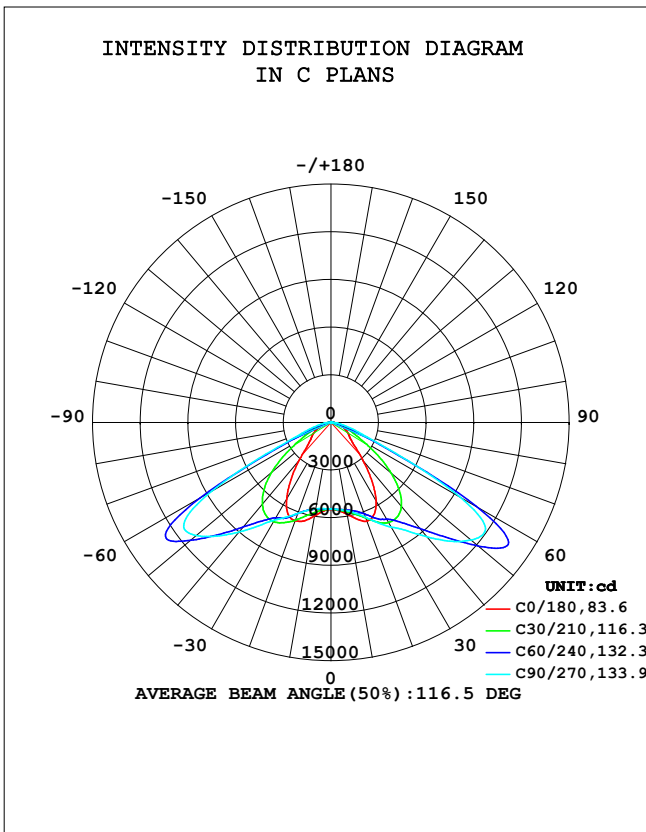


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 107.31 lm/W			
MODEL	CT-D02200SBN	I _{max} (cd)	13552	η street_up (%)	0.0
NOMINAL POWER (W)	200	LOR (%)	100.0	η street_down (%)	50.6
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	21408	η house_up (%)	0.1
NOMINAL FLUX (lm)	21407.9	MAXIMUM @ (C, γ)	60,55.5	η house_down (%)	49.3
LAMPS INSIDE	1	η up (%)	0.1	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)		η down (%)	99.9	SLI	21.830

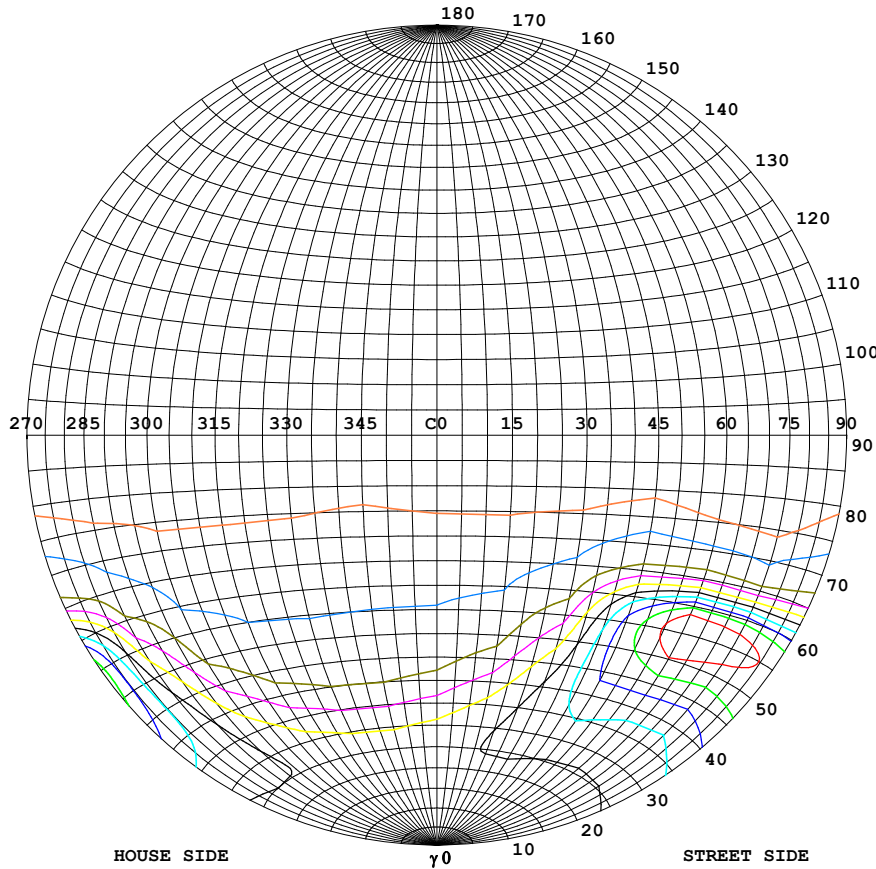


C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Paul
 Test Date: 2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity: 65.0%
 Test Distance: 2.900m [K=0.8389]
 Remarks:

STREETLIGHT ISOCANDELA DIAGRAM

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:



Classification:

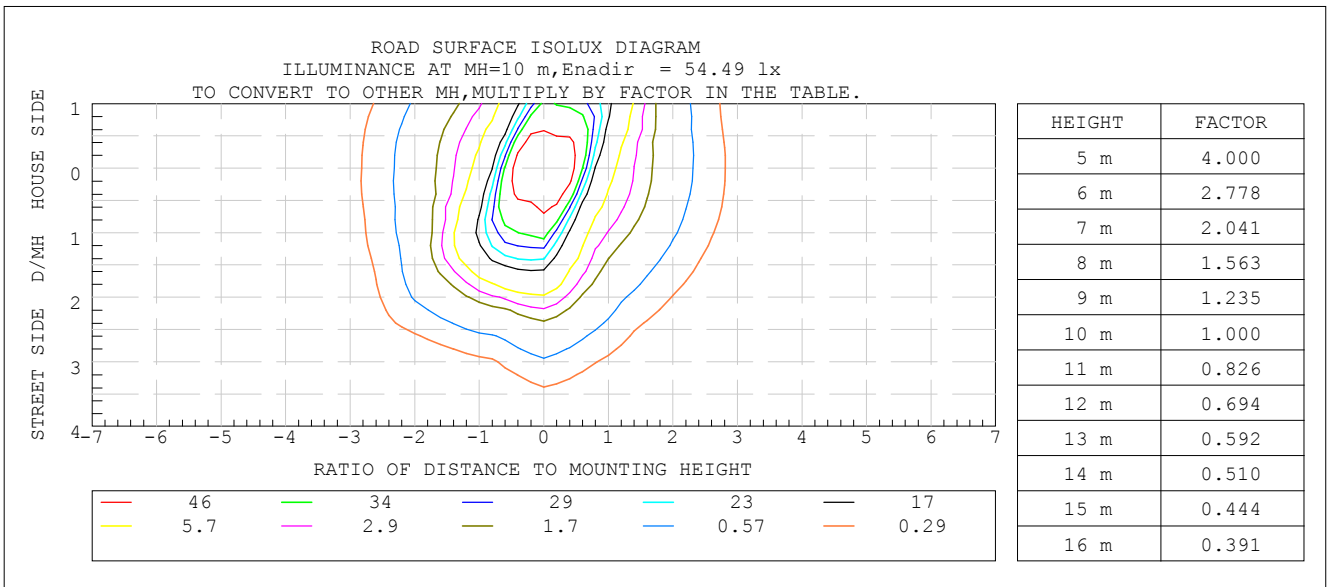
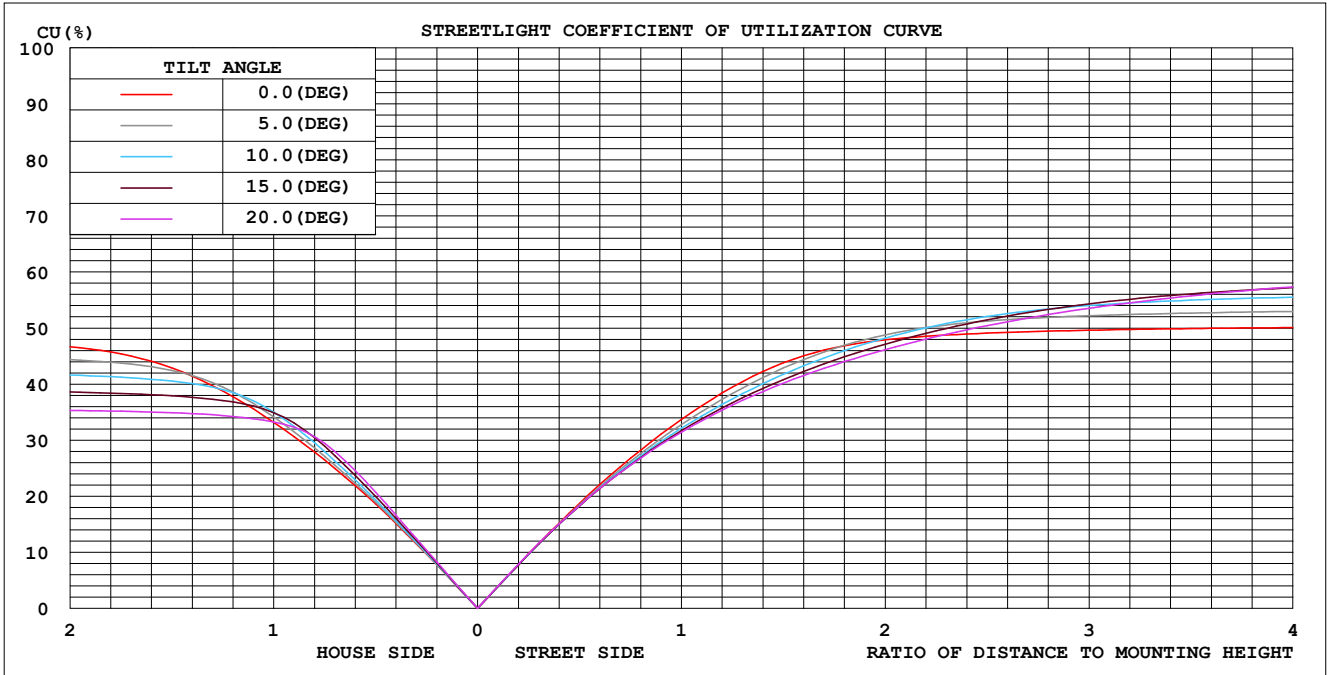
IES:Type VS - Very Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Full cut-off
 Max.At80:27.76cd/klm
 Max.At90:3.755cd/klm
 Max.80-90:27.76cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	13552
90%	12197
80%	10842
70%	9486
60%	8131
50%	6776
40%	5421
30%	4066
20%	2710
10%	1355
5%	678

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

COEFFICIENT OF UTILIZATION CURVE
AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Paul
Test Date: 2017-03-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.364
Humidity: 65.0%
Test Distance: 2.900m [K=0.8389]
Remarks:

ZONAL FLUX DIAGRAM

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

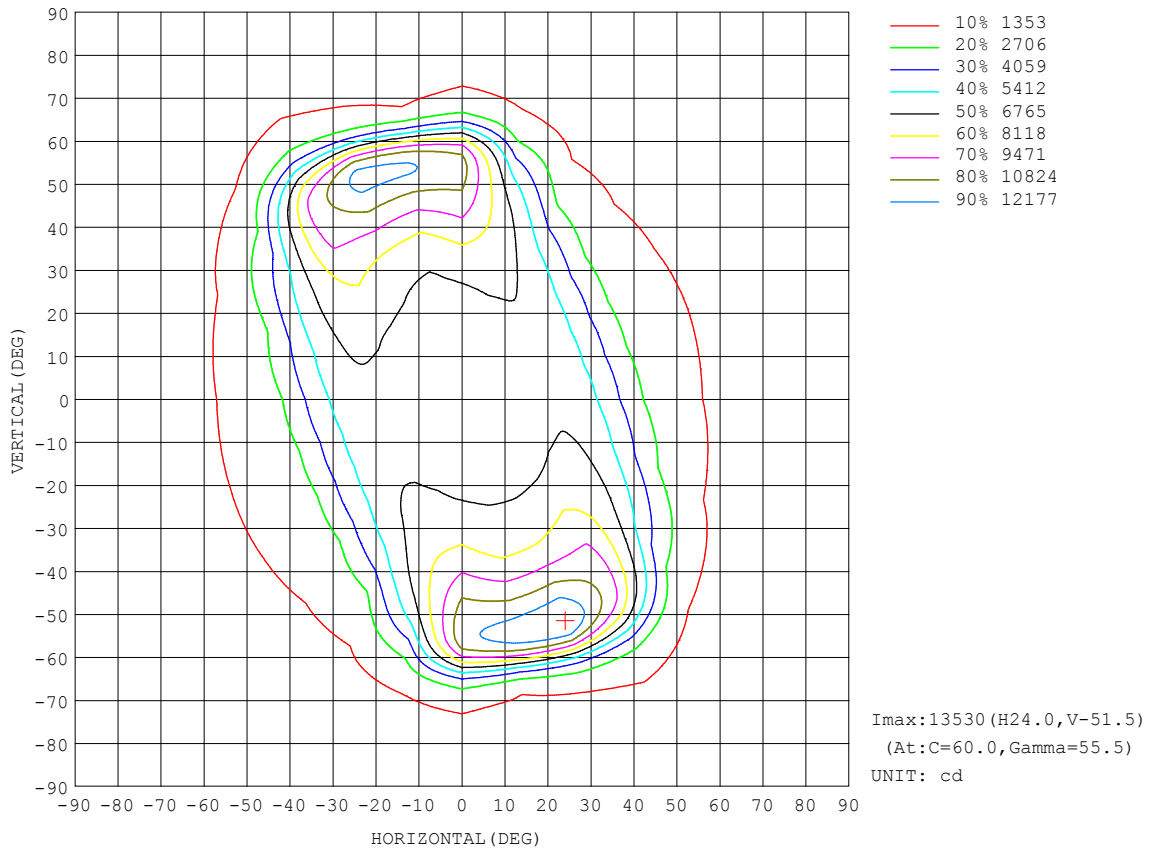
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	587.3	563.5	563.4	594.9	597.8	562.2	553.1	576.0	0- 10	534.6	534.6	2.5,2.5
20	661.3	619.8	634.2	661.0	658.2	631.5	609.3	653.4	10- 20	1732	2267	10.6,10.6
30	569.6	740.0	761.0	578.5	559.5	747.7	709.8	581.8	20- 30	3042	5309	24.8,24.8
40	319.1	902.6	939.9	334.8	313.5	883.7	900.1	336.9	30- 40	3907	9216	43,43
50	161.0	1012	1152	167.3	167.7	991.9	1107	160.4	40- 50	4396	13612	63.6,63.6
60	118.8	737.1	930.0	120.8	120.8	712.0	867.8	115.0	50- 60	4621	18232	85.2,85.2
70	78.80	173.3	194.3	77.94	78.15	165.7	183.8	76.02	60- 70	2141	20373	95.2,95.2
80	44.94	56.52	59.44	40.33	41.24	53.78	58.50	43.96	70- 80	776.3	21150	98.8,98.8
90	4.891	0.4338	1.635	0.8899	3.487	4.362	4.736	6.525	80- 90	236.8	21387	99.9,99.9
100	0.0768	0.1529	0.2009	0.0737	0.1161	0.3553	0.3720	0.1164	90-100	4.596	21391	99.9,99.9
110	0.1187	0.2385	0.2672	0.1064	0.1317	0.4606	0.4547	0.1355	100-110	2.340	21393	99.9,99.9
120	0.1937	0.3224	0.3296	0.1636	0.1545	0.3975	0.3616	0.1652	110-120	2.561	21396	99.9,99.9
130	0.2868	0.4608	0.4294	0.2448	0.2354	0.3854	0.3823	0.2614	120-130	2.695	21399	100,100
140	0.3317	0.5115	0.4829	0.2898	0.3250	0.4309	0.4872	0.3989	130-140	2.967	21402	100,100
150	0.3489	0.3955	0.3946	0.3104	0.4017	0.4577	0.5372	0.4909	140-150	2.658	21404	100,100
160	0.3884	0.3767	0.3661	0.3629	0.4427	0.4323	0.4849	0.5090	150-160	1.926	21406	100,100
170	0.4340	0.4086	0.4134	0.4178	0.4551	0.4368	0.4467	0.4921	160-170	1.204	21407	100,100
180	0.4506	0.4368	0.4600	0.4894	0.4521	0.4435	0.4499	0.4858	170-180	0.4334	21408	100,100
DEG	LUMINOUS INTENSITY:×10cd									UNIT:lm		

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

ISOCANDELA DIAGRAM

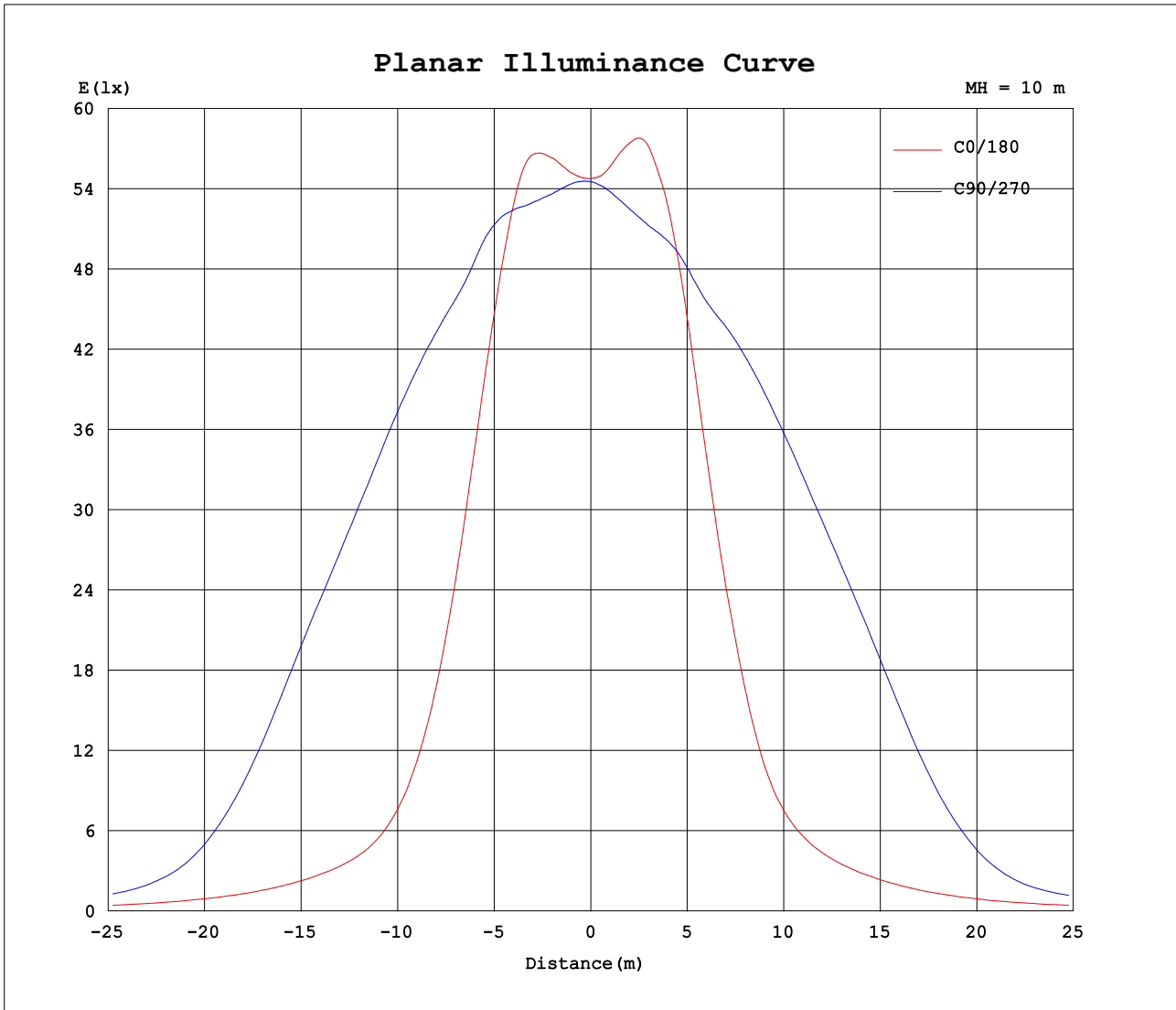
Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

Planar Illuminance Curve



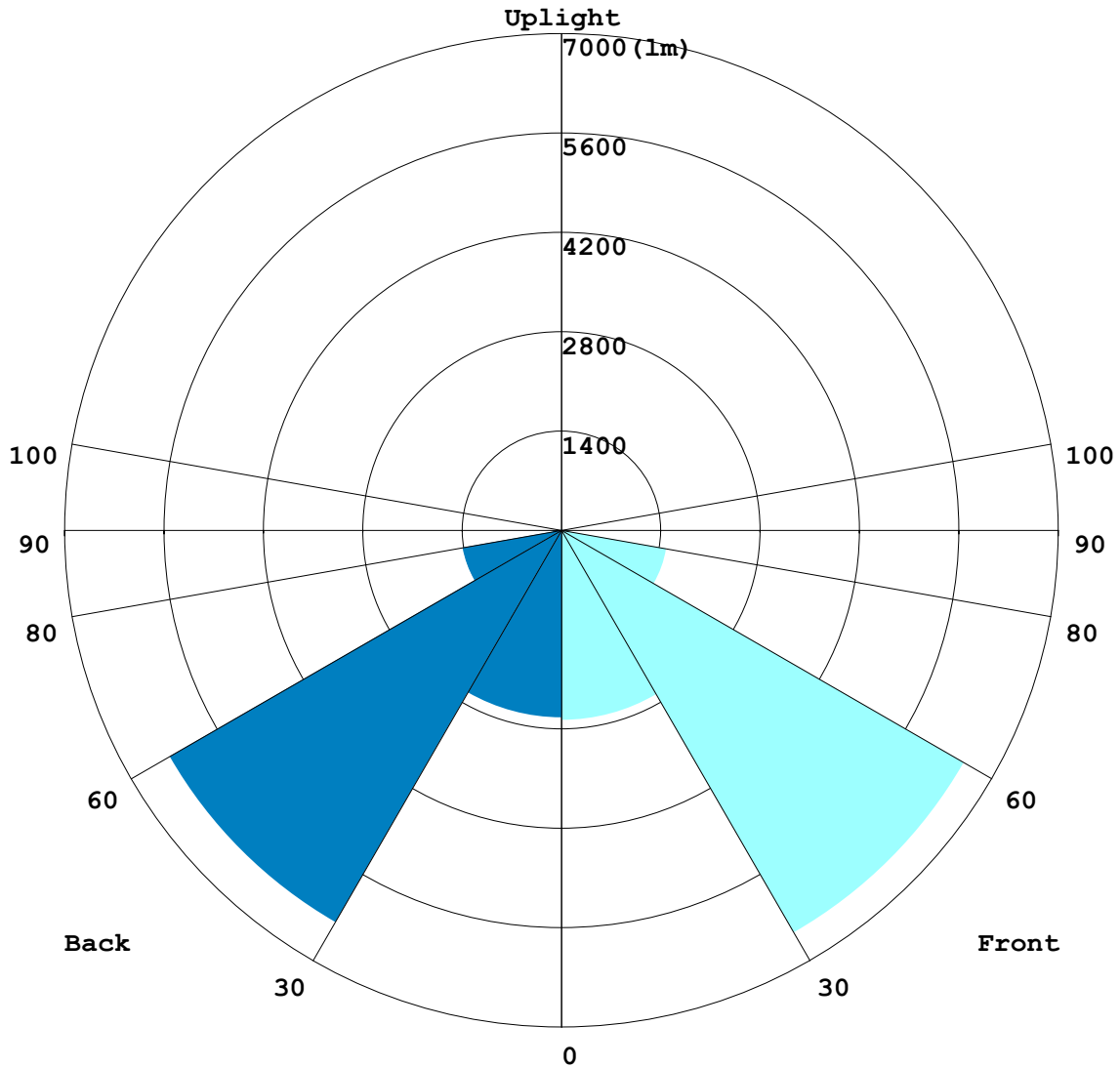
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Paul
 Test Date: 2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity: 65.0%
 Test Distance: 2.900m [K=0.8389]
 Remarks:

LCS REPORT

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

BUG REPORT

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	2670.3	12.5
FM - Front-Medium(30-60)	6547.4	30.6
FH - Front-High(60-80)	1502.6	7.0
FVH - Front-Very High(80-90)	114.42	0.5
Total Forward Light	10844	50.7

BL - Back-Low(0-30)	2638.2	12.3
BM - Back-Medium(30-60)	6376.3	29.8
BH - Back-High(60-80)	1414.9	6.6
BVH - Back-Very High(80-90)	122.34	0.6
Total Back Light	10564	49.3

UL - Uplight-Low(90-100)	4.5961	0.0
UH - Uplight-High(100-180)	16.784	0.1
Total Up Light	21.38	0.1

BUG(Back,Up,Glare) Rating	B4-U2-G2
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	10552	12.361	10564
Street Side	10835	9.0183	10844

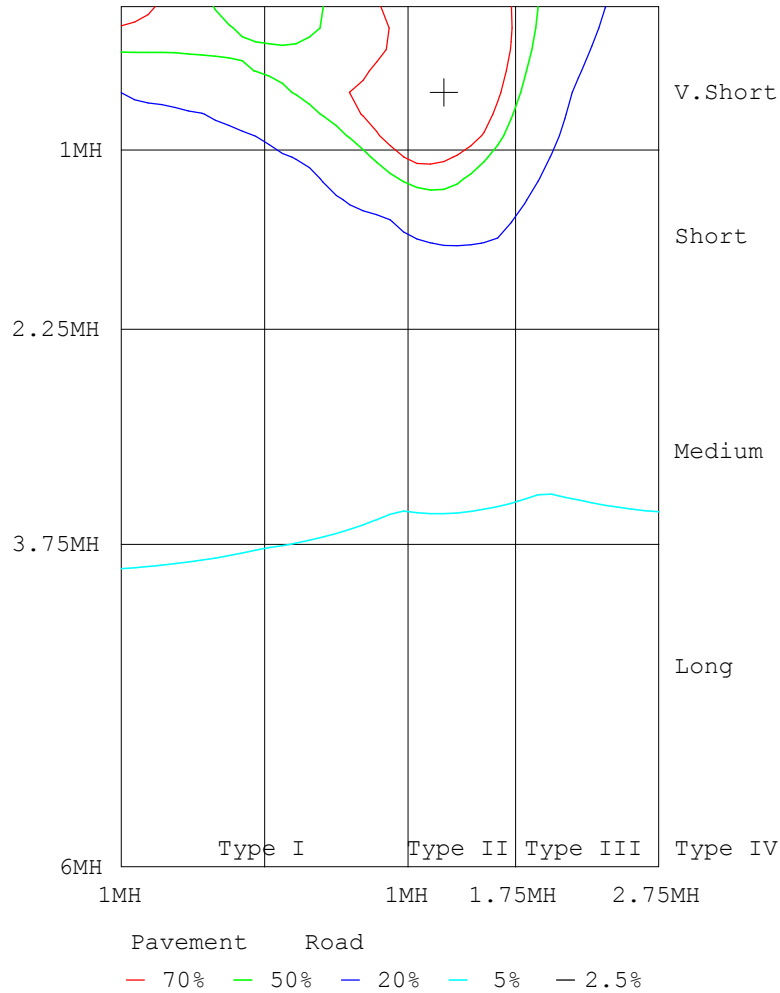
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

ROAD ISOCANDELA REPORT

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

Table--1

UNIT: ×10cd

C (DEG) \ γ (DEG)	0	15	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270
0	548	547	547	546	546	546	545	545	545	544	544	544	548	547	547	546	546	546	545
5	557	556	554	552	550	550	551	553	555	558	560	559	561	557	553	550	547	546	546
10	587	580	570	563	560	559	563	574	586	595	600	600	598	588	575	562	555	552	553
15	629	616	599	585	578	579	590	608	627	639	643	642	640	628	609	589	573	569	573
20	661	659	640	620	612	616	634	656	666	661	655	652	658	660	655	631	610	602	609
25	641	675	693	673	666	672	697	708	687	650	620	614	639	672	696	693	663	646	657
30	570	647	727	740	704	706	761	750	671	578	523	513	560	640	721	748	694	673	710
35	450	573	727	823	768	761	833	772	603	465	397	387	442	557	715	811	757	731	795
40	319	456	691	903	872	856	940	762	498	335	264	257	313	445	672	884	859	818	900
45	216	331	610	971	1021	995	1056	713	369	219	186	185	213	319	596	951	997	948	1011
50	161	226	494	1012	1209	1156	1152	621	245	167	155	155	168	223	487	992	1154	1110	1107
55	139	165	360	983	1354	1278	1187	467	179	144	141	141	144	170	358	973	1268	1231	1133
60	119	131	228	737	1054	1006	930	300	142	121	120	121	121	135	232	712	949	908	868
65	97.3	106	149	335	379	332	408	192	111	96.2	95.0	95.6	96.4	105	152	315	312	295	369
70	78.8	84.8	107	173	153	128	194	125	84.4	77.9	77.7	78.7	78.2	81.0	103	166	148	118	184
75	66.1	65.1	72.2	101	72.5	55.2	108	76.3	63.4	62.9	66.0	67.7	63.8	61.6	67.3	95.5	70.2	52.4	103
80	44.9	43.3	41.9	56.5	32.7	25.6	59.4	40.7	37.2	40.3	48.1	48.8	41.2	38.6	38.1	53.8	32.0	25.9	58.5
85	22.7	21.8	20.4	23.0	14.3	11.9	22.4	17.5	17.6	18.3	24.5	23.2	20.0	19.5	18.8	21.6	15.1	12.9	27.5
90	4.89	2.88	1.84	0.43	0.23	0.25	1.63	1.42	4.26	0.89	2.10	2.31	3.49	3.37	4.23	4.36	3.31	3.11	4.74
95	0.07	0.07	0.08	0.12	0.17	0.17	0.15	0.12	0.08	0.06	0.06	0.06	0.10	0.12	0.17	0.25	0.30	0.31	0.26
100	0.08	0.09	0.11	0.15	0.22	0.24	0.20	0.17	0.10	0.07	0.07	0.07	0.12	0.14	0.23	0.36	0.45	0.47	0.37
105	0.09	0.12	0.15	0.19	0.25	0.28	0.24	0.21	0.14	0.09	0.08	0.08	0.13	0.17	0.30	0.45	0.56	0.59	0.46
110	0.12	0.16	0.20	0.24	0.28	0.31	0.27	0.25	0.17	0.11	0.09	0.09	0.13	0.19	0.34	0.46	0.56	0.57	0.45
115	0.15	0.20	0.25	0.28	0.31	0.35	0.30	0.29	0.21	0.13	0.11	0.11	0.14	0.22	0.37	0.43	0.51	0.50	0.41
120	0.19	0.25	0.30	0.32	0.35	0.38	0.33	0.32	0.25	0.16	0.14	0.15	0.15	0.24	0.36	0.40	0.46	0.44	0.36
125	0.24	0.31	0.36	0.39	0.40	0.43	0.37	0.35	0.28	0.20	0.17	0.19	0.19	0.26	0.36	0.38	0.43	0.41	0.35
130	0.29	0.35	0.41	0.46	0.49	0.51	0.43	0.38	0.31	0.24	0.20	0.23	0.24	0.30	0.37	0.39	0.44	0.43	0.38
135	0.32	0.37	0.45	0.51	0.59	0.59	0.48	0.41	0.33	0.28	0.25	0.27	0.28	0.34	0.39	0.41	0.46	0.46	0.44
140	0.33	0.37	0.45	0.51	0.60	0.60	0.48	0.40	0.33	0.29	0.28	0.30	0.33	0.36	0.41	0.43	0.49	0.51	0.49
145	0.35	0.38	0.42	0.47	0.55	0.55	0.46	0.38	0.32	0.31	0.31	0.32	0.36	0.39	0.42	0.44	0.50	0.54	0.52
150	0.35	0.36	0.38	0.40	0.44	0.44	0.39	0.35	0.32	0.31	0.32	0.33	0.40	0.41	0.42	0.46	0.50	0.53	0.54
155	0.37	0.37	0.37	0.38	0.39	0.39	0.36	0.35	0.33	0.33	0.34	0.35	0.41	0.42	0.42	0.44	0.46	0.49	0.50
160	0.39	0.39	0.39	0.38	0.38	0.38	0.37	0.36	0.35	0.36	0.37	0.36	0.44	0.44	0.42	0.43	0.45	0.47	0.48
165	0.41	0.41	0.40	0.39	0.38	0.39	0.39	0.39	0.38	0.38	0.38	0.38	0.46	0.44	0.42	0.42	0.44	0.44	0.45
170	0.43	0.44	0.42	0.41	0.41	0.41	0.41	0.42	0.41	0.42	0.43	0.41	0.46	0.46	0.44	0.44	0.43	0.44	0.45
175	0.47	0.47	0.45	0.45	0.45	0.46	0.46	0.47	0.48	0.47	0.48	0.46	0.49	0.49	0.46	0.47	0.46	0.46	0.47
180	0.45	0.46	0.45	0.44	0.45	0.45	0.46	0.47	0.49	0.49	0.47	0.47	0.45	0.45	0.46	0.44	0.44	0.44	0.45

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks:

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:119.5V I:1.680A P:199.5W PF:0.9939 Freq:60.01Hz Lamp Flux:21407.9x1 lm		
NAME: Shoe Box	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.2*0.05*4	Shielding Angle:

Table--2

UNIT: x10cd

C (DEG) γ (DEG)	285	300	315	330	345														
0	545	545	544	544	544														
5	547	548	550	552	553														
10	559	567	576	582	585														
15	585	601	616	625	628														
20	625	646	653	651	652														
25	679	675	643	619	616														
30	728	661	582	532	526														
35	751	604	470	401	396														
40	749	500	337	273	269														
45	705	371	223	186	185														
50	611	250	160	147	149														
55	471	173	135	134	136														
60	296	132	115	116	119														
65	173	105	93.2	94.6	98.7														
70	117	81.4	76.0	76.6	79.6														
75	76.4	62.0	63.0	65.9	70.8														
80	43.2	39.2	44.0	50.5	54.6														
85	20.5	20.7	21.7	30.2	28.4														
90	6.02	6.12	6.52	8.04	7.48														
95	0.18	0.12	0.10	0.10	0.10														
100	0.24	0.15	0.12	0.11	0.11														
105	0.31	0.18	0.13	0.12	0.12														
110	0.33	0.20	0.14	0.12	0.12														
115	0.33	0.22	0.14	0.12	0.12														
120	0.30	0.24	0.17	0.13	0.12														
125	0.31	0.27	0.20	0.16	0.15														
130	0.36	0.32	0.26	0.21	0.20														
135	0.43	0.39	0.33	0.28	0.26														
140	0.48	0.45	0.40	0.34	0.31														
145	0.52	0.50	0.46	0.40	0.37														
150	0.52	0.52	0.49	0.45	0.39														
155	0.52	0.52	0.50	0.47	0.43														
160	0.51	0.52	0.51	0.51	0.45														
165	0.46	0.48	0.49	0.50	0.46														
170	0.45	0.47	0.49	0.49	0.46														
175	0.48	0.50	0.51	0.51	0.49														
180	0.46	0.47	0.49	0.49	0.47														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-03-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
 Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.364
 Humidity:65.0%
 Test Distance:2.900m [K=0.8389]
 Remarks: