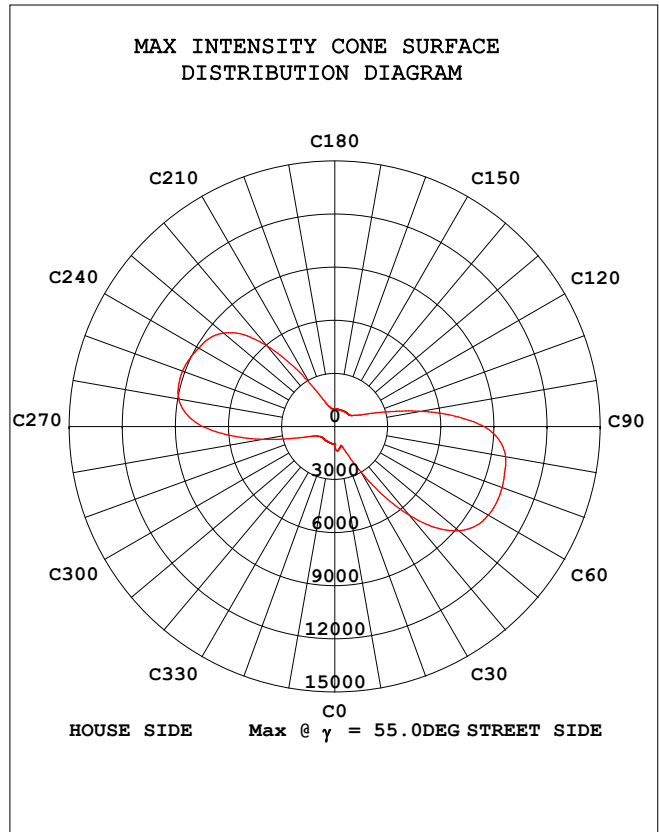
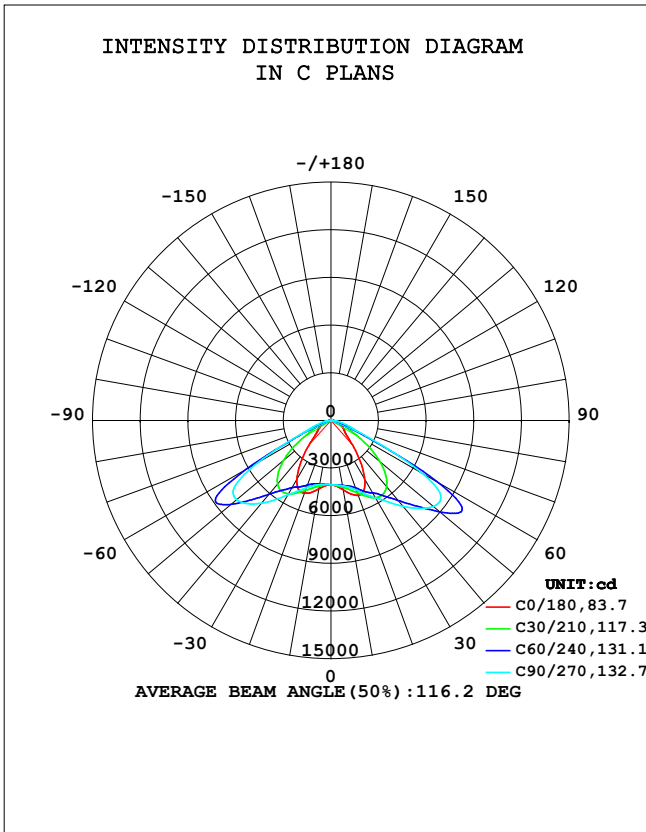


STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 105.56 lm/W			
MODEL	CT-D02150SBN	I _{max} (cd)	10015	η street_up (%)	0.0
NOMINAL POWER (W)	150	LOR (%)	100.0	η street_down (%)	51.8
RATED VOLTAGE (V)	120	TOTAL FLUX (lm)	15751	η house_up (%)	0.0
NOMINAL FLUX (lm)	15751.4	MAXIMUM @ (C, γ)	60,55.0	η house_down (%)	48.1
LAMPS INSIDE	1	η up (%)	0.1	76 FLASHAREA (m2)	0.05000
TEST VOLTAGE (V)		η down (%)	99.9	SLI	21.336

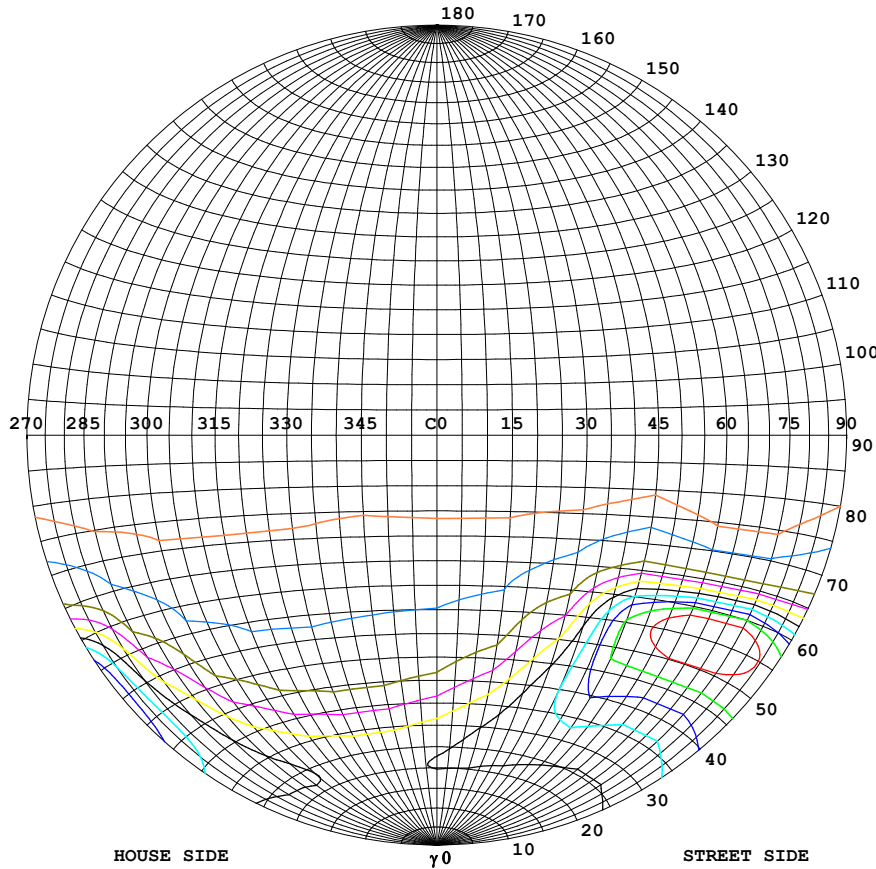


C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature: 25.3DEG
Operators: Paul
Test Date: 2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:



Classification:

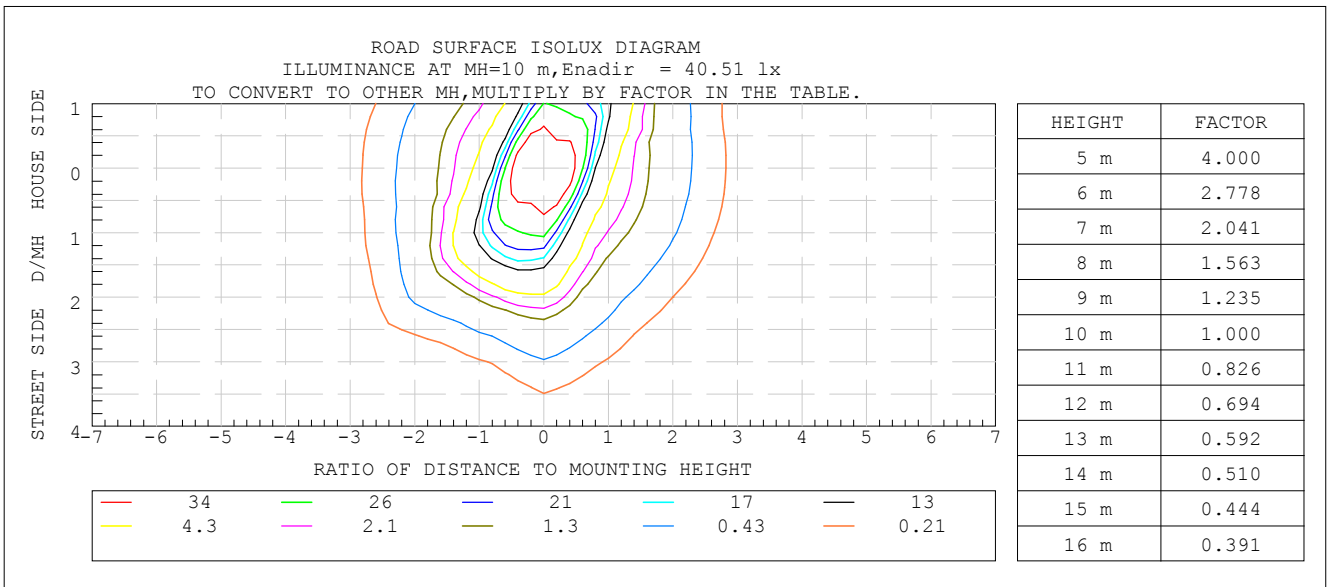
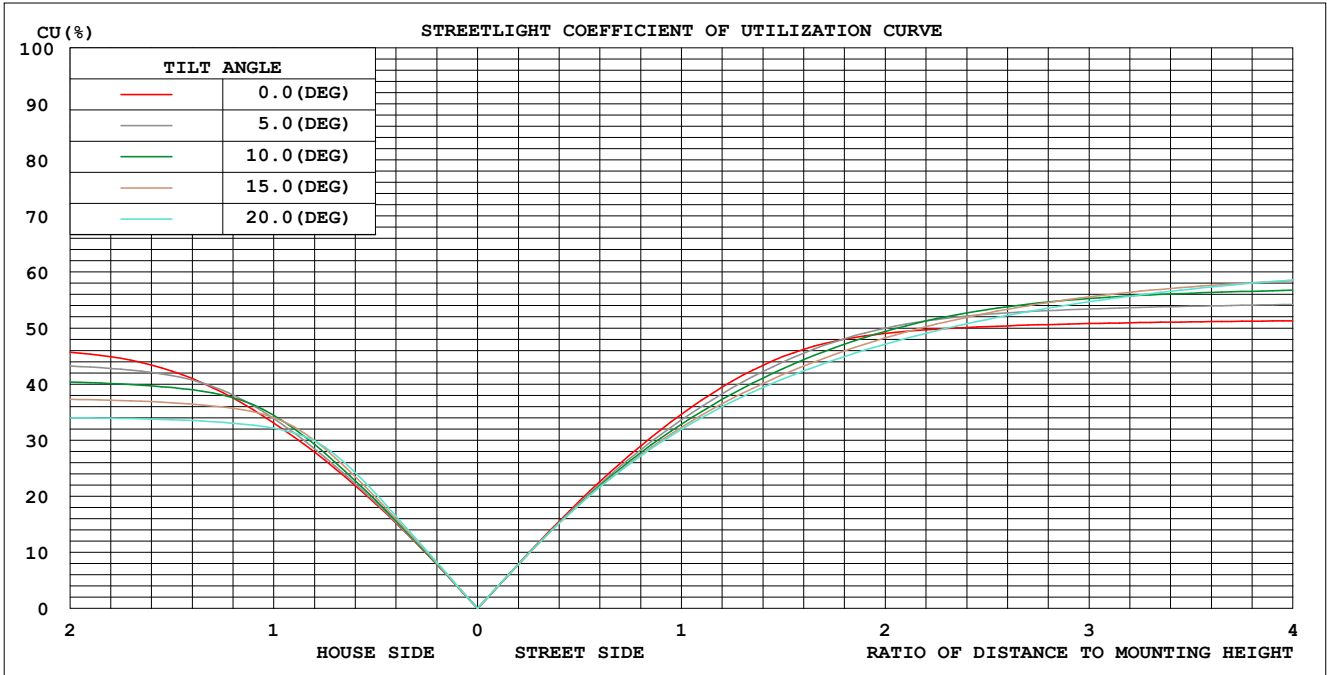
IES:Type VS - Very Short
 CIE:Broad - Short
 IES:Cut-off
 CIE:Semi-cut-off
 Max.At80:31.76cd/klm
 Max.At90:1.973cd/klm
 Max.80-90:31.76cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	10015
90%	9013
80%	8012
70%	7010
60%	6009
50%	5007
40%	4006
30%	3004
20%	2003
10%	1001
5%	501

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-02-16

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: 2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:

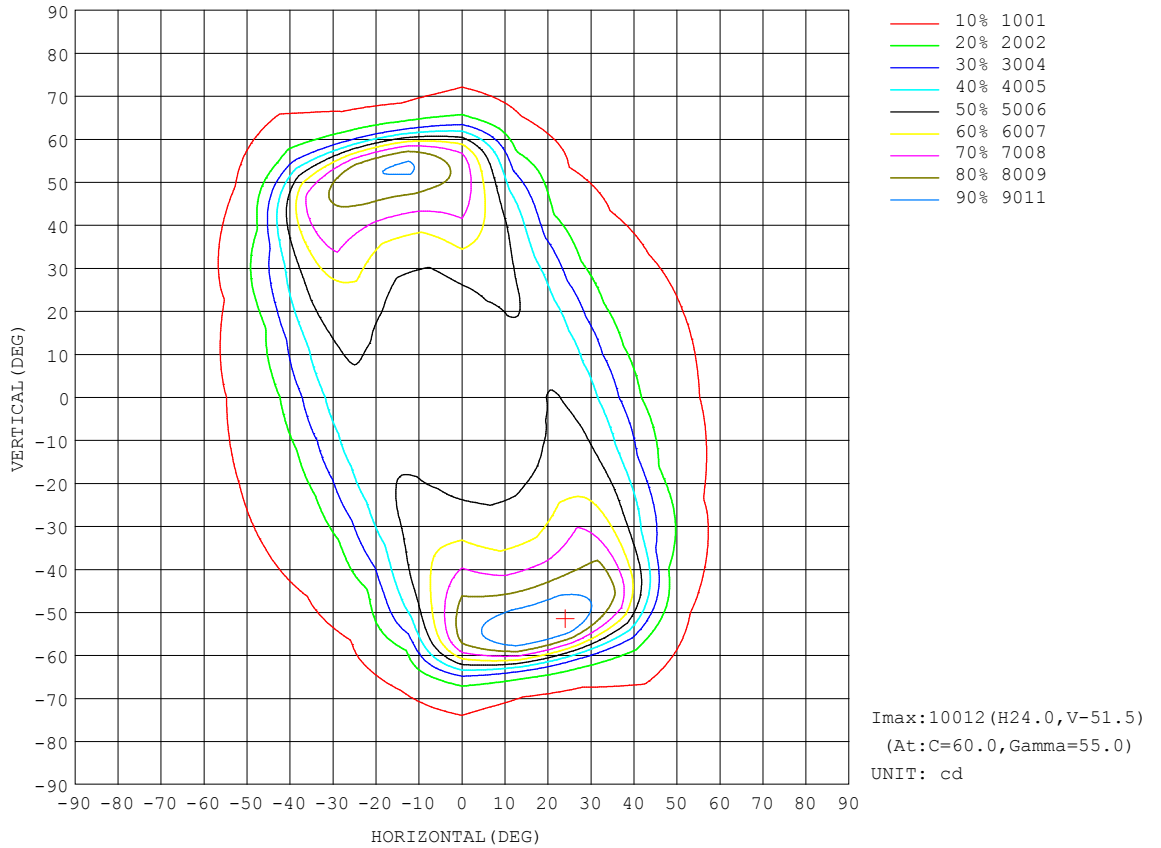
γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum,lamp
10	443.0	419.6	418.5	438.2	436.6	411.6	410.8	436.0	0- 10	397.0	397.0	2.52,2.52
20	501.6	465.4	465.4	493.6	487.1	447.3	450.4	495.2	10- 20	1287	1684	10.7,10.7
30	426.6	564.0	563.3	441.2	430.4	528.3	540.5	416.6	20- 30	2264	3948	25.1,25.1
40	231.1	708.4	705.7	254.9	245.1	659.2	680.1	219.1	30- 40	2914	6862	43.6,43.6
50	116.6	817.7	841.7	120.1	116.2	757.4	775.4	109.9	40- 50	3258	10120	64.2,64.2
60	85.42	606.1	657.4	89.04	86.02	539.0	527.0	80.57	50- 60	3364	13484	85.6,85.6
70	56.58	138.8	148.6	57.75	57.24	128.5	123.0	52.32	60- 70	1521	15005	95.3,95.3
80	29.62	44.58	50.03	32.34	31.16	42.25	42.34	28.28	70- 80	565.6	15570	98.9,98.9
90	0.3351	0.1133	1.195	2.065	3.108	1.427	0.1256	0.0742	80- 90	167.2	15738	99.9,99.9
100	0.0569	0.1151	0.1398	0.0500	0.0842	0.2719	0.2734	0.0871	90-100	1.812	15739	99.9,99.9
110	0.0866	0.1703	0.1833	0.0693	0.0966	0.3448	0.3300	0.0997	100-110	1.704	15741	99.9,99.9
120	0.1450	0.2283	0.2255	0.1075	0.1141	0.2936	0.2622	0.1223	110-120	1.851	15743	99.9,99.9
130	0.2123	0.3186	0.2903	0.1673	0.1725	0.2820	0.2792	0.1917	120-130	1.936	15745	100,100
140	0.2399	0.3724	0.3301	0.2028	0.2390	0.3108	0.3567	0.2894	130-140	2.126	15747	100,100
150	0.2499	0.2885	0.2779	0.2190	0.2887	0.3278	0.3916	0.3592	140-150	1.914	15749	100,100
160	0.2817	0.2677	0.2563	0.2557	0.3160	0.3028	0.3534	0.3768	150-160	1.383	15750	100,100
170	0.3137	0.2933	0.2955	0.3002	0.3287	0.3087	0.3206	0.3653	160-170	0.8637	15751	100,100
180	0.3227	0.3114	0.3326	0.3573	0.3223	0.3153	0.3238	0.3561	170-180	0.3120	15751	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:2017-02-16

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

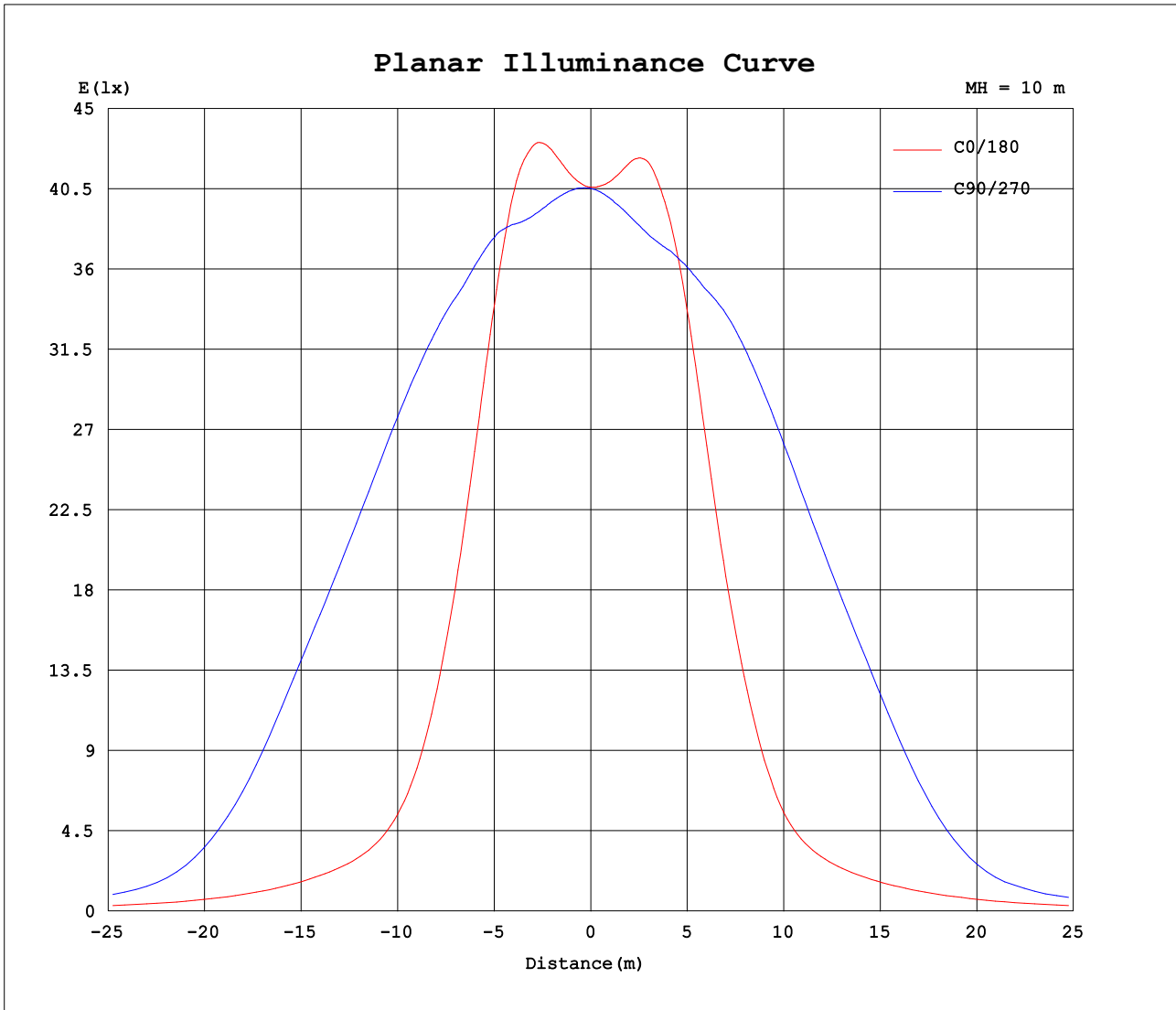
Test:U:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-02-16

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



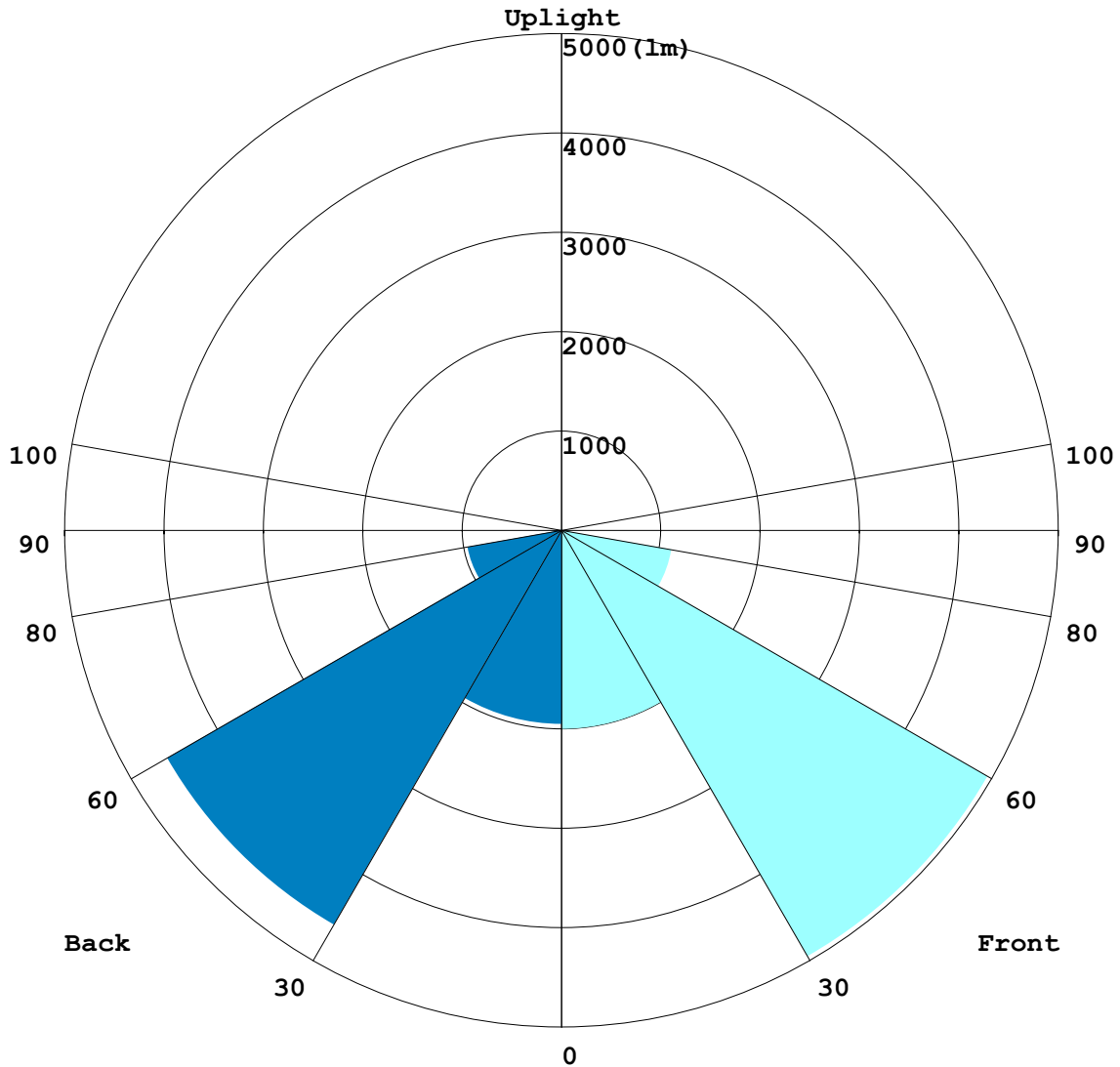
C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature: 25.3DEG
 Operators: Paul
 Test Date: 2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	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:2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	1999.7	12.7
FM - Front-Medium(30-60)	4953.1	31.4
FH - Front-High(60-80)	1126.8	7.2
FVH - Front-Very High(80-90)	87.245	0.6
Total Forward Light	8173.1	51.9

BL - Back-Low(0-30)	1948.7	12.4
BM - Back-Medium(30-60)	4582.5	29.1
BH - Back-High(60-80)	959.48	6.1
BVH - Back-Very High(80-90)	79.969	0.5
Total Back Light	7578.3	48.1

UL - Uplight-Low(90-100)	1.8116	0.0
UH - Uplight-High(100-180)	12.091	0.1
Total Up Light	13.903	0.1

BUG(Back,Up,Glare) Rating	B3-U2-G1
---------------------------	----------

Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	7570.7	7.6337	7578.3
Street Side	8166.8	6.2688	8173.1

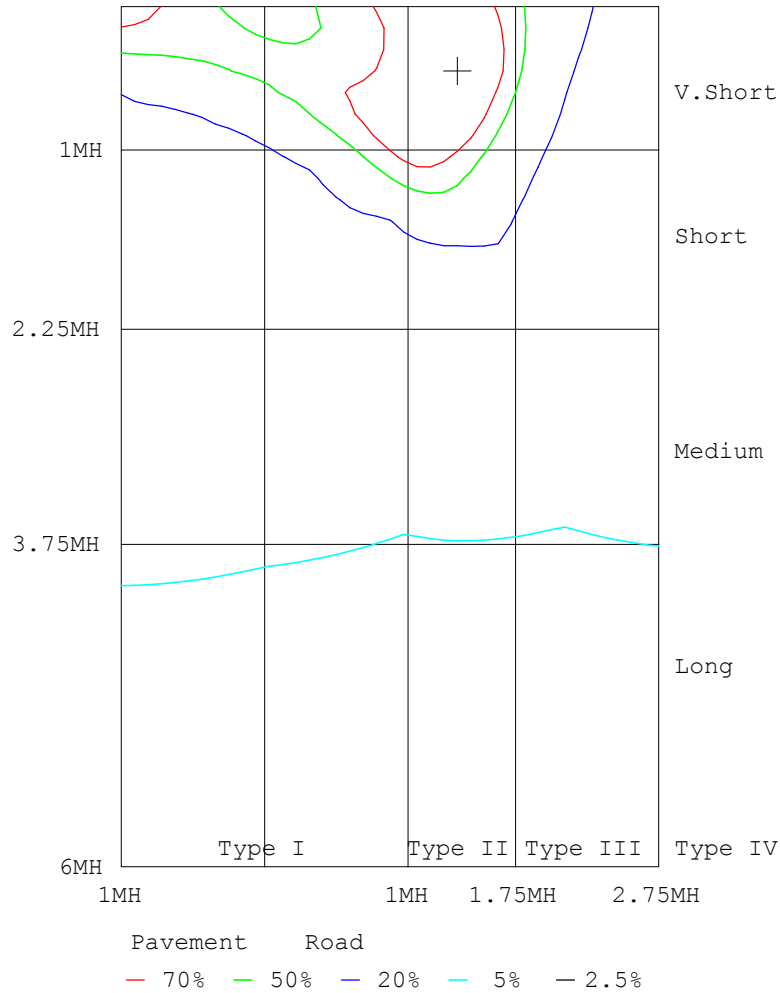
C Range: 0 - 360DEG
C Interval: 15.0DEG
Test Speed: HIGH
Temperature:25.3DEG
Operators:Paul
Test Date:2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	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	406	406	406	406	405	405	405	405	405	405	405	405	406	406	406	406	405	405	405
5	416	414	412	410	409	409	409	410	412	413	414	414	413	411	408	406	405	404	405
10	443	436	427	420	416	416	418	424	431	438	442	441	437	428	419	412	407	407	411
15	478	468	451	437	428	428	435	448	463	472	476	474	468	456	439	424	415	415	425
20	502	500	486	465	452	452	465	484	495	494	490	487	487	484	469	447	433	434	450
25	489	518	526	511	493	494	512	525	514	490	472	468	482	500	503	484	462	462	490
30	427	499	562	564	528	527	563	560	506	441	402	398	430	487	533	528	489	491	540
35	331	438	570	632	580	577	626	577	452	352	305	300	342	432	544	589	538	543	610
40	231	348	546	708	657	651	706	564	369	255	206	201	245	348	524	659	607	613	680
45	154	250	490	774	763	760	784	519	275	163	136	133	157	253	471	721	707	720	742
50	117	169	403	818	896	889	842	443	179	120	109	108	116	164	390	757	823	845	775
55	101	122	296	810	1001	994	845	329	128	103	101	99.3	99.5	116	281	738	888	913	747
60	85.4	97.3	184	606	769	802	657	196	101	89.0	89.0	86.6	86.0	93.8	167	539	620	629	527
65	69.5	78.1	118	269	254	264	292	129	82.8	72.2	72.1	70.2	70.4	77.1	111	225	203	198	218
70	56.6	60.8	83.6	139	102	104	149	93.1	64.0	57.8	57.7	56.8	57.2	59.9	81.3	129	91.3	88.7	123
75	46.1	46.6	53.8	80.3	45.8	45.6	88.7	58.9	48.1	48.0	50.7	48.4	46.7	45.7	52.8	74.3	38.5	38.2	72.6
80	29.6	28.6	30.2	44.6	20.8	20.8	50.0	32.5	30.9	32.3	38.2	36.2	31.2	27.8	29.7	42.3	18.1	17.7	42.3
85	14.4	13.9	13.9	16.6	9.23	9.52	19.3	14.9	15.6	15.8	19.6	19.6	15.2	14.3	13.5	16.9	8.63	8.28	15.8
90	0.34	0.53	1.06	0.11	0.22	0.61	1.19	1.54	1.59	2.07	2.67	2.44	3.11	2.84	2.48	1.43	0.86	0.14	0.13
95	0.05	0.05	0.06	0.09	0.13	0.12	0.10	0.08	0.05	0.04	0.04	0.04	0.08	0.09	0.13	0.19	0.23	0.23	0.20
100	0.06	0.06	0.08	0.12	0.16	0.17	0.14	0.11	0.07	0.05	0.05	0.05	0.08	0.11	0.18	0.27	0.34	0.35	0.27
105	0.07	0.09	0.10	0.14	0.18	0.19	0.16	0.14	0.09	0.06	0.05	0.06	0.09	0.13	0.24	0.34	0.43	0.43	0.33
110	0.09	0.11	0.14	0.17	0.20	0.22	0.18	0.17	0.11	0.07	0.06	0.07	0.10	0.15	0.27	0.34	0.42	0.42	0.33
115	0.11	0.15	0.18	0.20	0.22	0.24	0.20	0.20	0.13	0.08	0.07	0.08	0.10	0.17	0.28	0.32	0.38	0.37	0.30
120	0.15	0.19	0.22	0.23	0.24	0.27	0.23	0.22	0.16	0.11	0.09	0.10	0.11	0.18	0.27	0.29	0.34	0.32	0.26
125	0.18	0.22	0.26	0.27	0.28	0.30	0.26	0.25	0.19	0.14	0.12	0.13	0.14	0.20	0.27	0.28	0.32	0.30	0.25
130	0.21	0.25	0.30	0.32	0.35	0.34	0.29	0.27	0.21	0.17	0.14	0.17	0.17	0.22	0.27	0.28	0.32	0.31	0.28
135	0.23	0.27	0.33	0.36	0.40	0.39	0.32	0.29	0.23	0.19	0.18	0.20	0.21	0.25	0.29	0.30	0.34	0.34	0.32
140	0.24	0.27	0.33	0.37	0.43	0.42	0.33	0.28	0.23	0.20	0.20	0.22	0.24	0.27	0.30	0.31	0.36	0.37	0.36
145	0.25	0.27	0.31	0.34	0.39	0.38	0.31	0.26	0.22	0.22	0.22	0.24	0.26	0.29	0.30	0.32	0.37	0.40	0.39
150	0.25	0.26	0.27	0.29	0.32	0.31	0.28	0.24	0.22	0.22	0.23	0.24	0.29	0.30	0.31	0.33	0.36	0.39	0.39
155	0.26	0.26	0.27	0.27	0.28	0.27	0.25	0.24	0.23	0.23	0.25	0.25	0.29	0.30	0.30	0.31	0.33	0.35	0.37
160	0.28	0.28	0.28	0.27	0.27	0.27	0.26	0.25	0.24	0.26	0.26	0.26	0.32	0.31	0.29	0.30	0.32	0.34	0.35
165	0.30	0.30	0.29	0.28	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.27	0.33	0.31	0.30	0.30	0.31	0.31	0.32
170	0.31	0.32	0.30	0.29	0.29	0.29	0.30	0.30	0.30	0.30	0.31	0.29	0.33	0.33	0.31	0.31	0.30	0.31	0.32
175	0.34	0.34	0.32	0.32	0.32	0.33	0.33	0.34	0.35	0.34	0.34	0.33	0.35	0.35	0.33	0.33	0.32	0.33	0.34
180	0.32	0.33	0.32	0.31	0.32	0.32	0.33	0.34	0.36	0.36	0.34	0.33	0.32	0.32	0.33	0.32	0.31	0.32	0.32

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-02-16

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:119.6V I:1.259A P:149.2W PF:0.9909 Freq:60.01Hz Lamp Flux:15751.4x1 lm		
NAME: Shoe Box key	TYPE:	WEIGHT:
SPEC.:	DIM.:	SERIAL No.:
MFR.: EVERFINE	SUR.:0.25*0.07*3	Shielding Angle:

Table--2

UNIT: ×10cd

C (DEG) \ γ (DEG)	285	300	315	330	345														
0	405	405	405	405	405														
5	407	410	412	414	415														
10	418	427	436	442	444														
15	440	458	471	478	480														
20	475	493	495	494	496														
25	517	507	480	462	465														
30	546	482	417	381	385														
35	548	418	318	277	280														
40	523	326	219	183	186														
45	466	229	144	126	129														
50	375	154	110	104	107														
55	267	112	94.9	95.7	98.4														
60	161	89.8	80.6	82.2	85.3														
65	107	72.4	64.7	65.2	68.1														
70	77.5	55.4	52.3	53.9	56.1														
75	48.6	42.0	42.8	46.5	48.8														
80	27.1	25.4	28.3	34.2	35.4														
85	12.1	12.6	13.6	17.8	17.4														
90	0.10	0.08	0.07	1.67	1.79														
95	0.13	0.09	0.08	0.08	0.07														
100	0.18	0.11	0.09	0.08	0.08														
105	0.22	0.13	0.10	0.09	0.08														
110	0.24	0.15	0.10	0.09	0.08														
115	0.24	0.16	0.11	0.09	0.08														
120	0.23	0.17	0.12	0.10	0.09														
125	0.23	0.20	0.15	0.12	0.11														
130	0.26	0.24	0.19	0.16	0.15														
135	0.31	0.28	0.24	0.20	0.19														
140	0.35	0.33	0.29	0.25	0.23														
145	0.38	0.37	0.33	0.29	0.27														
150	0.39	0.39	0.36	0.32	0.28														
155	0.39	0.39	0.37	0.35	0.31														
160	0.37	0.39	0.38	0.38	0.33														
165	0.34	0.36	0.37	0.37	0.34														
170	0.33	0.34	0.37	0.37	0.34														
175	0.35	0.36	0.37	0.38	0.35														
180	0.33	0.34	0.36	0.36	0.34														

C Range: 0 - 360DEG
 C Interval: 15.0DEG
 Test Speed: HIGH
 Temperature:25.3DEG
 Operators:Paul
 Test Date:2017-02-16

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: