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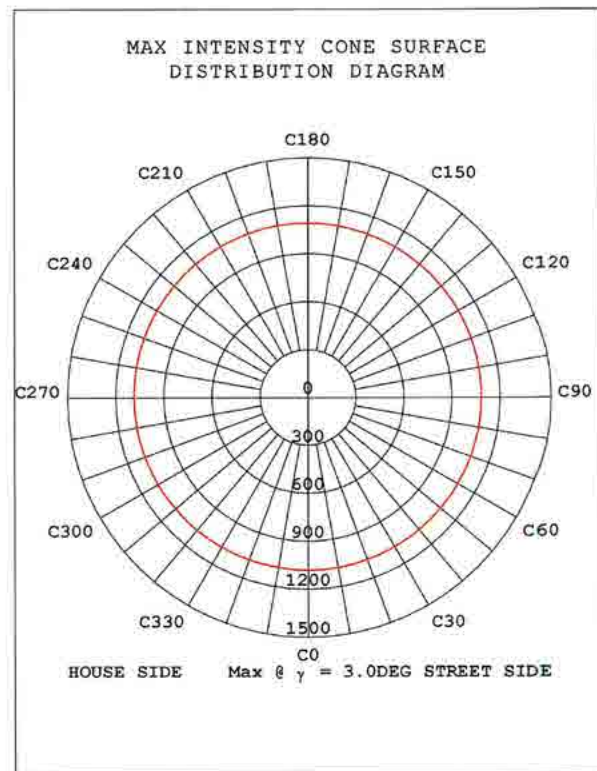
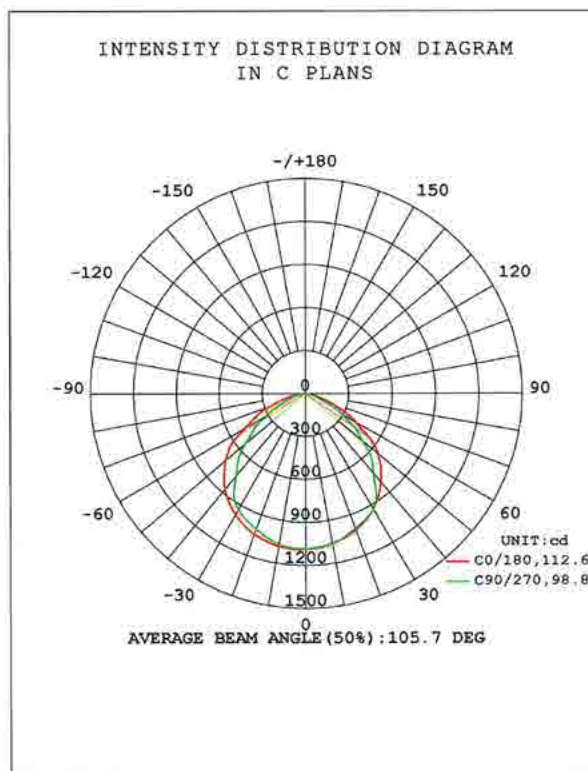
CONTENT	Pg. No.
1. GONIOPHOTOMETERS SYSTEM TEST REPORT - 30W	I-10
2. GONIOPHOTOMETERS SYSTEM TEST REPORT - 50W	II-20



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA				Eff: 99.54 lm/W
MODEL	AP FLOL-M 30W	Imax(cd)	1090	η street_up(%)	0.1	
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	48.9	
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	2745	η house_up(%)	0.1	
NOMINAL FLUX(lm)	2744.65	MAXIMUM @ (C, γ)	180,3.0	η house_down(%)	50.8	
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)		
TEST VOLTAGE(V)	220	η down(%)	99.7	SLI		



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

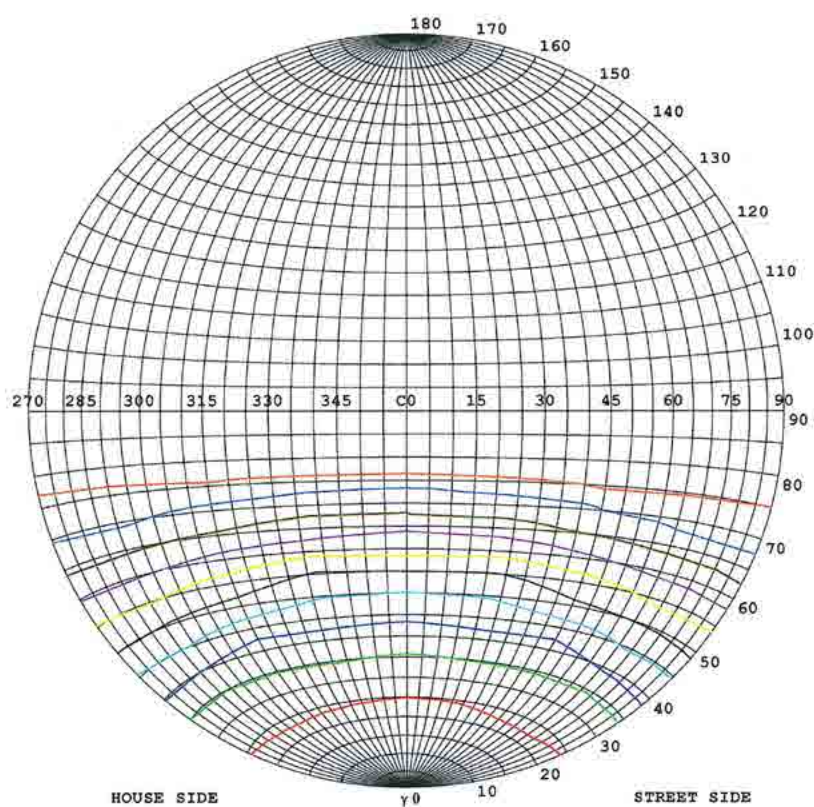
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:



Classification:

IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:15.92cd/klm
Max.At90:3.669cd/klm
Max.80-90:15.92cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
I _{max} =100%	1090
90%	981
80%	872
70%	763
60%	654
50%	545
40%	436
30%	327
20%	218
10%	109
5%	54

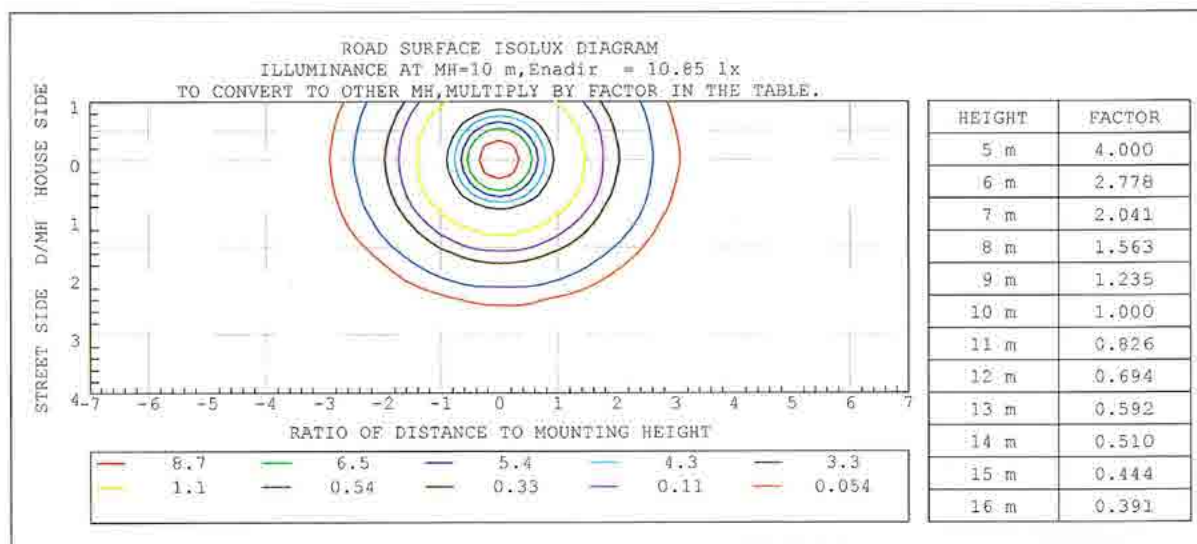
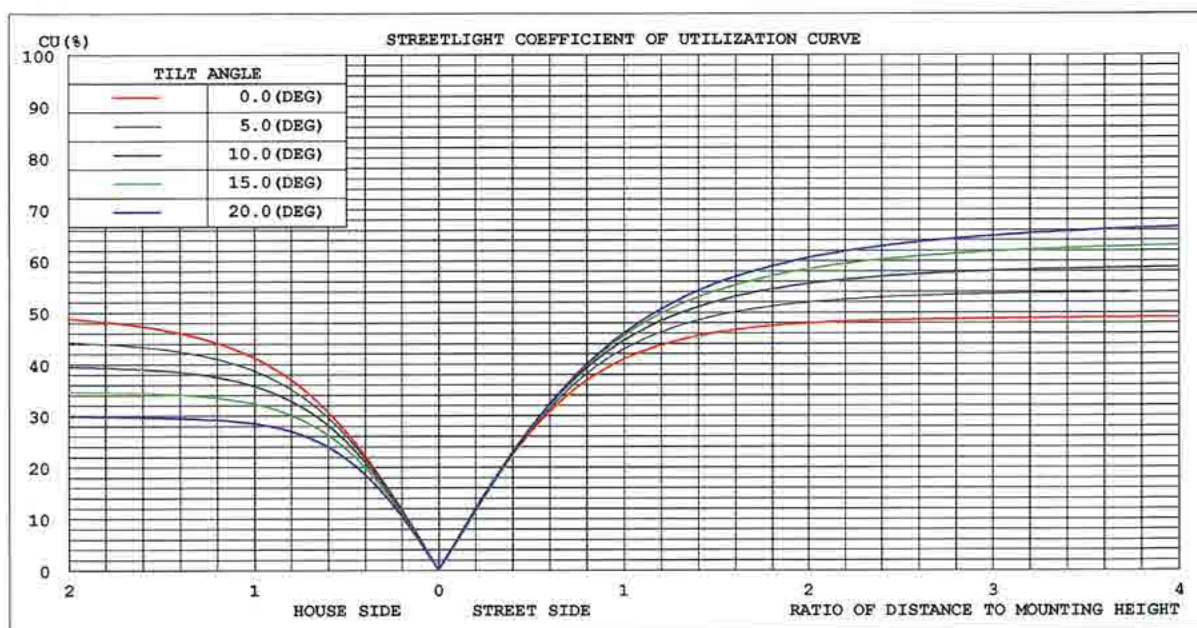
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

The original data for reference only



GONIOPHOTOMETERS SYSTEM TEST REPORT

Pg.No 4 of 20

ZONAL FLUX DIAGRAM

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	%lum
10	1063	1067	1068	1073	1082	1075	1069	1066	0- 10	102.9	102.9	3.75
20	1017	1002	1003	1021	1044	1025	1008	1004	10- 20	295.5	398.4	14.5
30	932.5	914.7	932.1	939.5	973.0	944.2	936.3	918.6	20- 30	451.9	850.3	31
40	811.8	801.7	730.6	834.1	869.7	840.2	755.8	803.7	30- 40	548.5	1399	51
50	655.1	571.4	513.7	611.0	720.0	649.3	543.3	586.6	40- 50	546.6	1945	70.9
60	407.9	342.4	291.2	377.9	470.3	415.2	319.0	355.5	50- 60	445.4	2391	87.1
70	176.7	108.8	89.85	133.4	221.9	169.7	104.4	129.2	60- 70	249.9	2641	96.2
80	22.26	22.18	22.38	31.11	42.58	38.82	34.03	28.91	70- 80	80.54	2721	99.1
90	4.381	4.934	7.194	6.574	6.117	7.657	10.07	6.026	80- 90	15.40	2737	99.7
100	4.318	2.537	2.126	3.119	4.118	2.926	2.606	1.412	90-100	4.936	2742	99.9
110	2.679	0.9029	0.0018	0.9111	2.662	0.9806	0	0.6445	100-110	1.811	2743	100
120	1.576	0.4270	0.0109	0.3985	1.664	0.3943	0	0.1407	110-120	0.7757	2744	100
130	0.5075	0.0432	0.0186	0.0257	0.8431	0.0211	0.0023	0.0382	120-130	0.3342	2744	100
140	0.1321	0.1023	0.0262	0.0447	0.1160	0.0407	0.0069	0.0659	130-140	0.0531	2745	100
150	0.2494	0.1786	0.0366	0.0660	0.1885	0.0669	0.0086	0.0398	140-150	0.0467	2745	100
160	0.3010	0.1231	0.0483	0.0608	0.1197	0.0839	0.0163	0.0158	150-160	0.0452	2745	100
170	0.0142	0.0066	0.0313	0.0097	0.0338	0.0196	0.0046	0.0046	160-170	0.0182	2745	100
180	0	0	0	0	0	0	0	0	170-180	0.0007	2745	100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 6.1 %									UNIT:lm		

C Range: 0 = 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

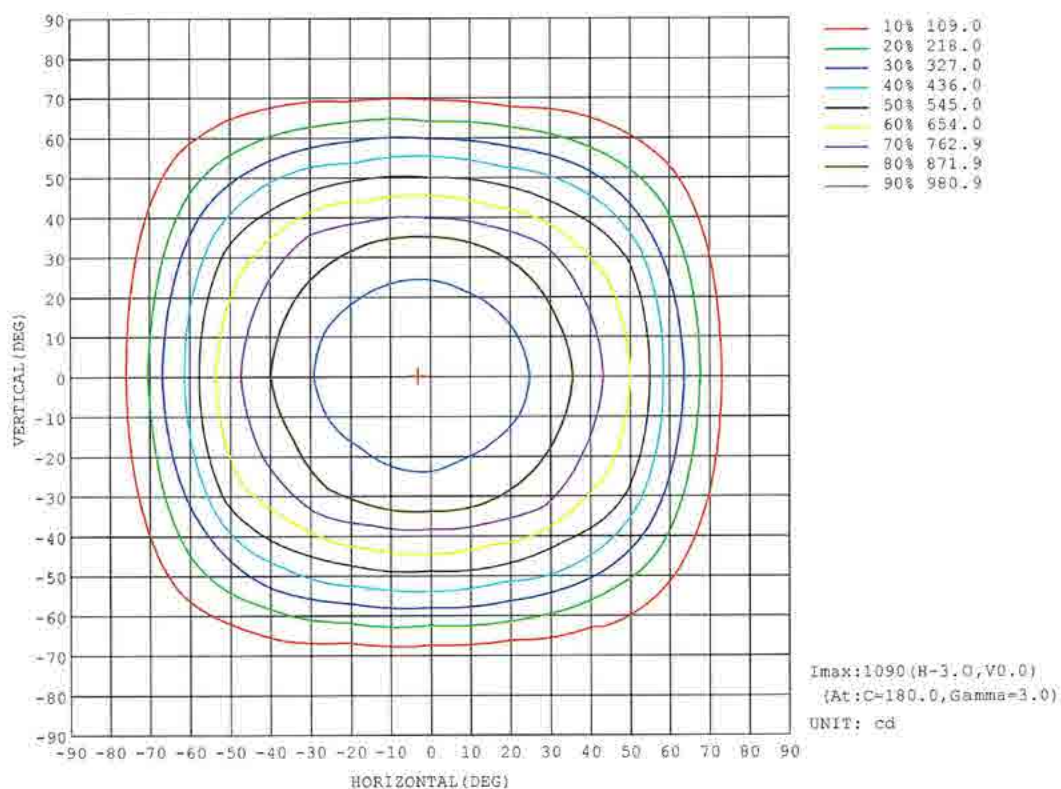
γ Range: 0 = 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



ISOCANDELA DIAGRAM

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:



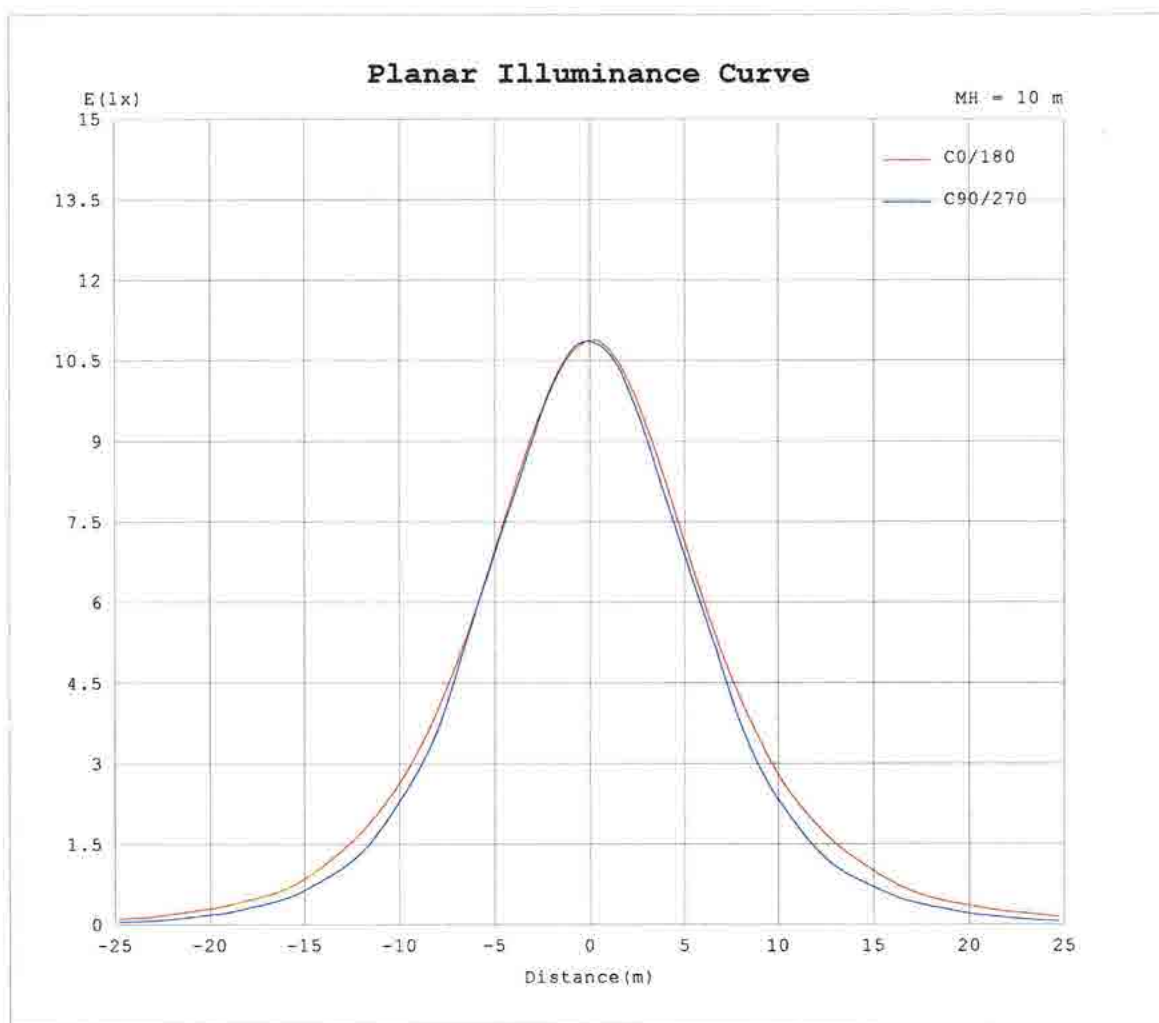
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

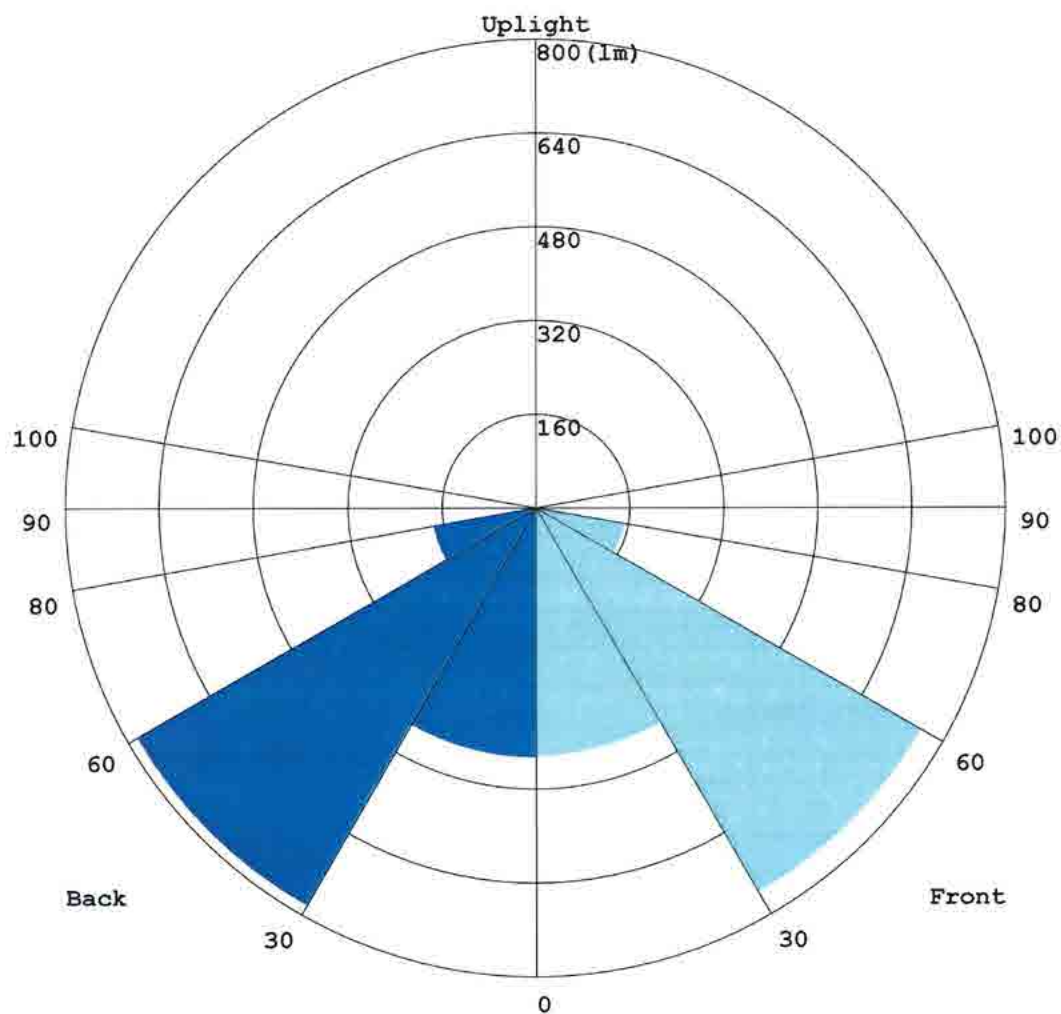
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LCS REPORT

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



BUG REPORT

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	423.97	15.4
FM - Front-Medium(30-60)	758.16	27.6
FH - Front-High(60-80)	154.13	5.6
FVH - Front-Very High(80-90)	6.4864	0.2
Total Forward Light	1346.7	49.1

BL - Back-Low(0-30)	426.31	15.5
BM - Back-Medium(30-60)	782.38	28.5
BH - Back-High(60-80)	176.28	6.4
BVH - Back-Very High(80-90)	8.9162	0.3
Total Back Light	1398	50.9

UL - Uplight-Low(90-100)	4.9357	0.2
UH - Uplight-High(100-180)	3.0849	0.1
Total Up Light	8.0207	0.3

BUG(Back,Up,Glare) Rating	B1-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	1393.9	4.0835	1398
Street Side	1342.8	3.9371	1346.7

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

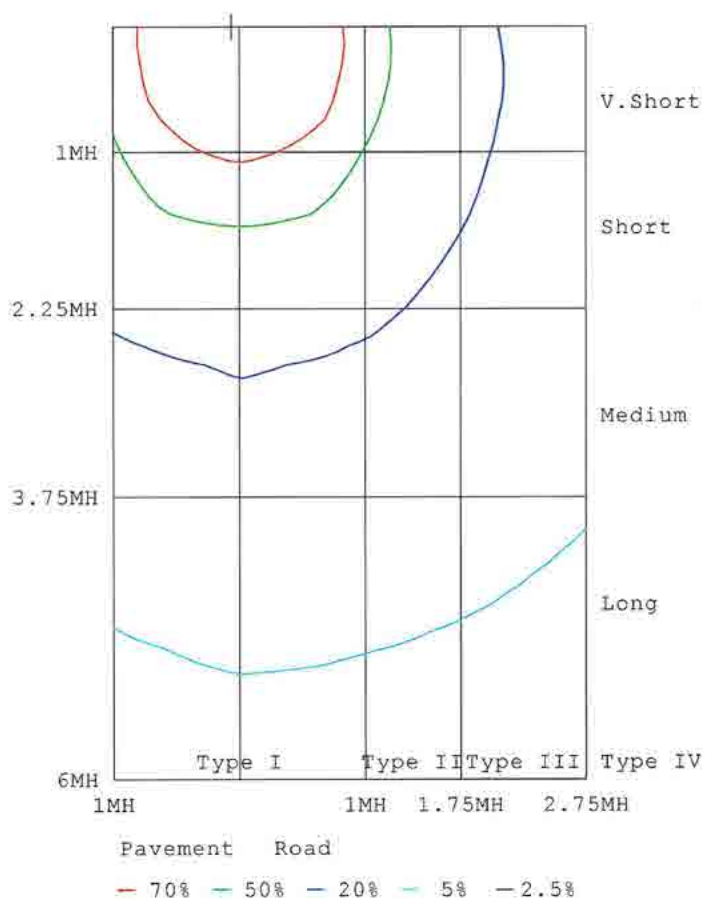
The original data for reference only



ROAD ISOCANDELA REPORT

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.O.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.1V I:0.2452A P:27.57W PF:0.5110 Freq:50.00Hz Lamp Flux:2744.65x1 lm		
NAME: AP FLOL-M 30W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268201
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) y (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1088	1087	1086	1085	1085	1085	1085	1085	1088	1087	1086	1085	1085	1085	1085	1085			
5	1078	1079	1080	1081	1084	1086	1087	1087	1089	1087	1085	1083	1082	1079	1077	1075			
10	1063	1067	1067	1065	1068	1070	1073	1078	1082	1078	1075	1071	1069	1067	1066	1063			
15	1043	1044	1040	1037	1039	1045	1051	1060	1066	1063	1054	1045	1042	1039	1040	1039			
20	1017	1013	1002	996	1003	1010	1021	1034	1044	1039	1025	1016	1008	1004	1004	1011			
25	980	975	960	964	974	978	979	1001	1012	1006	990	982	976	966	965	972			
30	932	925	915	924	932	940	939	955	973	966	944	941	936	924	919	923			
35	880	867	865	861	848	874	898	900	925	913	895	887	872	869	868	865			
40	812	798	802	742	731	756	834	838	870	852	840	796	756	764	804	798			
45	738	716	703	645	645	660	727	770	796	777	766	679	662	653	707	724			
50	655	642	571	538	514	551	611	693	720	693	649	587	543	558	587	646			
55	541	548	480	417	414	433	507	606	628	600	526	456	438	430	485	555			
60	408	396	342	293	291	308	378	466	470	478	415	355	319	318	356	397			
65	296	269	212	175	171	191	261	317	362	345	284	238	202	200	237	273			
70	177	158	109	86.5	89.9	94.1	133	194	222	209	170	115	104	100	129	154			
75	69.0	67.3	49.4	51.1	54.9	58.8	63.0	92.9	121	112	75.1	71.1	69.1	64.2	58.5	67.4			
80	22.3	22.0	22.2	22.2	22.4	27.1	31.1	34.5	42.6	43.7	38.8	37.5	34.0	32.0	28.9	25.3			
85	8.71	8.84	8.99	8.92	9.41	10.1	11.8	13.7	15.6	16.6	16.4	15.0	14.5	12.4	10.8	10.1			
90	4.38	4.76	4.93	6.42	7.19	7.10	6.57	6.86	6.12	7.13	7.66	9.58	10.1	8.93	6.03	5.01			
95	4.36	3.68	4.01	3.76	3.36	4.02	4.46	4.19	4.49	4.25	4.92	5.69	4.74	4.49	4.67	3.52			
100	4.32	3.07	2.54	2.28	2.13	2.44	3.12	3.22	4.12	3.37	2.93	2.93	2.61	1.99	1.41	2.79			
105	3.45	2.51	1.27	0.89	1.03	1.11	1.39	2.42	3.45	2.63	1.43	0.27	0.00	0.09	0.95	2.11			
110	2.68	2.01	0.90	0.15	0.00	0.07	0.91	1.86	2.66	2.00	0.98	0.05	0.00	0.00	0.64	1.64			
115	2.09	1.58	0.63	0.01	0.00	0.01	0.60	1.46	2.07	1.51	0.64	0.00	0.00	0.00	0.42	1.24			
120	1.58	1.19	0.43	0.01	0.01	0.01	0.40	1.13	1.66	1.17	0.39	0.00	0.00	0.00	0.14	0.93			
125	1.16	0.85	0.14	0.01	0.02	0.01	0.09	0.83	1.25	0.84	0.07	0.00	0.00	0.01	0.03	0.57			
130	0.51	0.31	0.04	0.01	0.02	0.01	0.03	0.39	0.84	0.32	0.02	0.01	0.00	0.01	0.04	0.12			
135	0.13	0.06	0.07	0.01	0.02	0.01	0.04	0.05	0.19	0.05	0.03	0.01	0.00	0.01	0.05	0.05			
140	0.13	0.09	0.10	0.01	0.03	0.01	0.04	0.04	0.12	0.04	0.04	0.01	0.01	0.01	0.07	0.10			
145	0.22	0.18	0.13	0.01	0.03	0.01	0.05	0.07	0.15	0.07	0.05	0.01	0.01	0.01	0.06	0.15			
150	0.25	0.24	0.18	0.02	0.04	0.01	0.07	0.10	0.19	0.11	0.07	0.01	0.01	0.01	0.04	0.18			
155	0.30	0.31	0.16	0.02	0.04	0.02	0.07	0.11	0.12	0.11	0.08	0.02	0.01	0.01	0.01	0.17			
160	0.30	0.29	0.12	0.03	0.05	0.05	0.06	0.11	0.12	0.11	0.08	0.02	0.02	0.01	0.02	0.10			
165	0.19	0.15	0.04	0.05	0.06	0.06	0.03	0.09	0.10	0.10	0.08	0.02	0.03	0.03	0.02	0.01			
170	0.01	0.01	0.01	0.02	0.03	0.03	0.01	0.02	0.03	0.03	0.02	0.01	0.00	0.00	0.00	0.01			
175	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01	0.01	0.01	0.00	0.00	0.00	0.00	0.00			
180	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	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

y Range: 0 - 180DEG
y Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

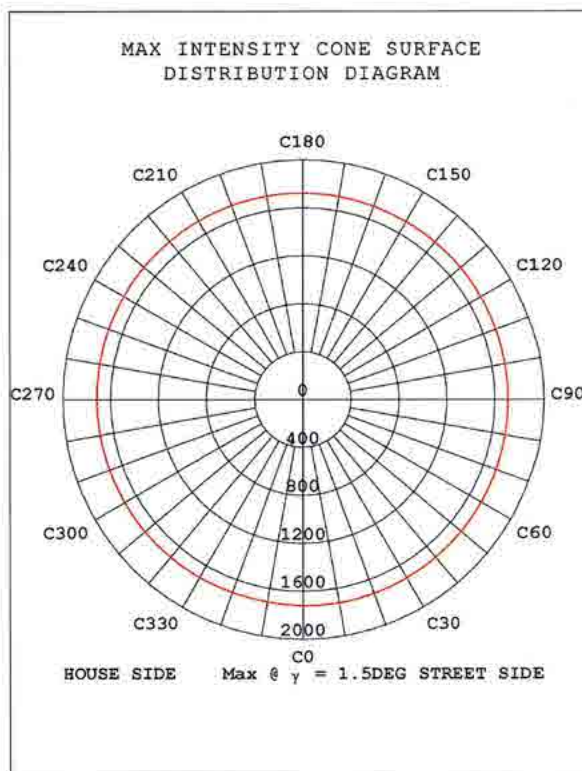
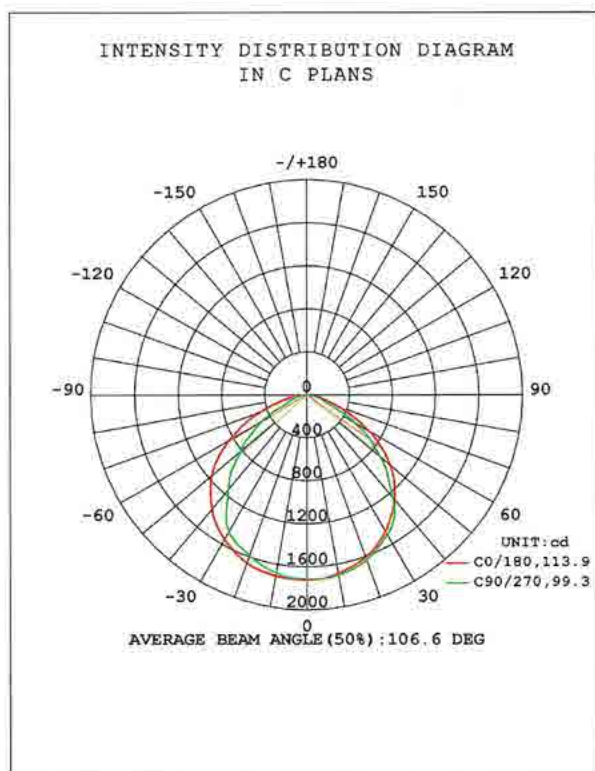
The original data for reference only



STREETLIGHT PHOTOMETRIC TEST REPORT

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

DATA OF LAMP		PHOTOMETRIC DATA Eff: 94.27 lm/W			
MODEL	AP FLOL-M 50W	Imax(cd)	1723	η street_up(%)	0.2
NOMINAL POWER(W)		LOR(%)	100.0	η street_down(%)	50.3
RATED VOLTAGE(V)	220	TOTAL FLUX(lm)	4432	η house_up(%)	0.2
NOMINAL FLUX(lm)	4432.13	MAXIMUM @ (C, γ)	23,1.5	η house_down(%)	49.4
LAMPS INSIDE	1	η up(%)	0.3	76 FLASHAREA(m2)	
TEST VOLTAGE(V)	220	η down(%)	99.7	SLI	



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

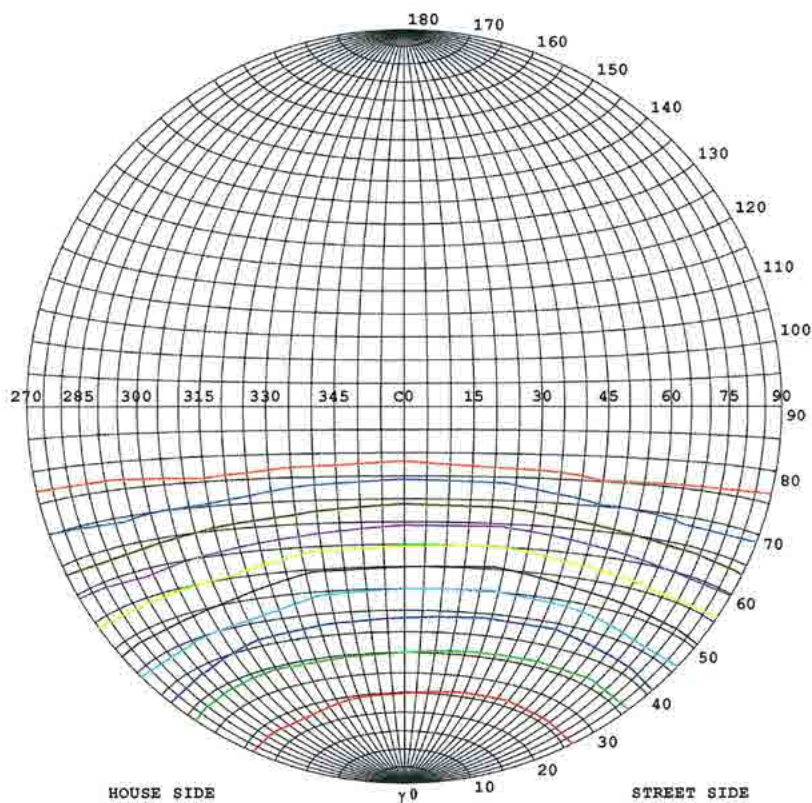
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

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STREETLIGHT ISOCANDELA DIAGRAM

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:



Classification:

IES:Type II - Very Short
CIE:Narrow - Short
IES:Cut-off
CIE:Full cut-off
Max.At80:26.27cd/klm
Max.At90:4.819cd/klm
Max.80-90:26.27cd/klm

ISOCANDELA DIAGRAM	
UNIT	cd
Imax=100%	1723
90%	1551
80%	1379
70%	1206
60%	1034
50%	862
40%	689
30%	517
20%	345
10%	172
5%	86

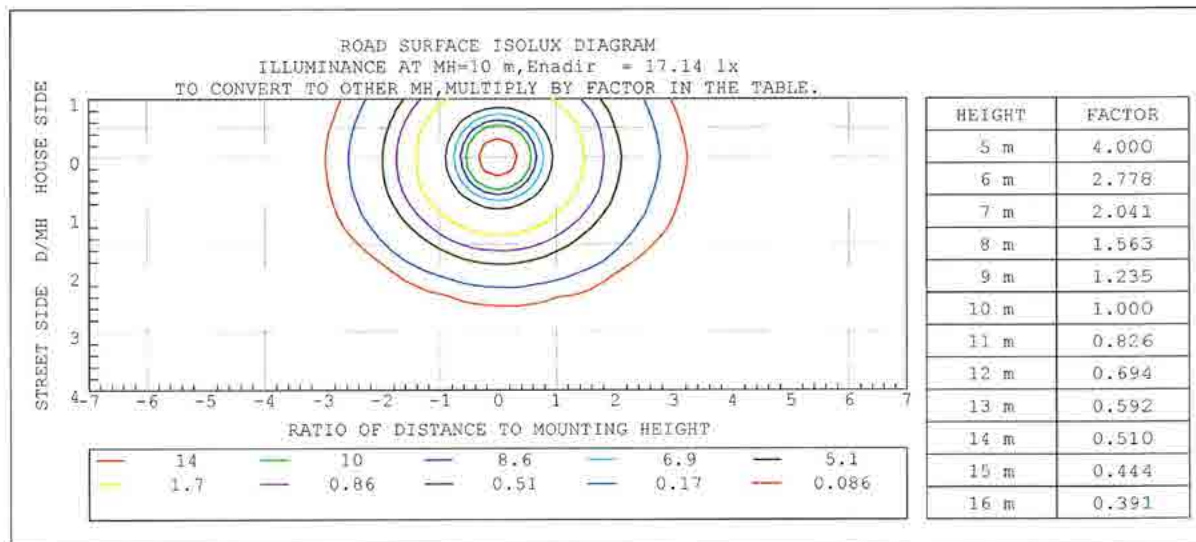
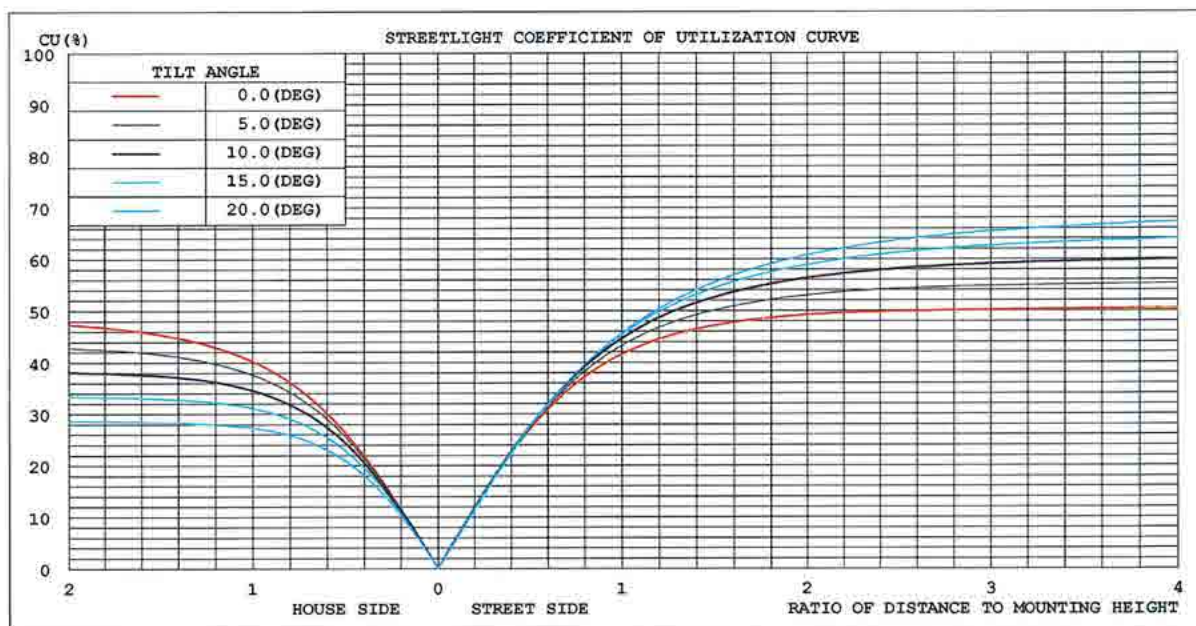
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



COEFFICIENT OF UTILIZATION CURVE AND ISOLUX DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

The original data for reference only



GONIOPHOTOMETERS SYSTEM TEST REPORT

Pg.No 14 of 20

ZONAL FLUX DIAGRAM

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

γ	C0	C45	C90	C135	C180	C225	C270	C315	γ	Φ zone	Φ total	Φ lum
10	1689	1699	1704	1706	1706	1692	1681	1680	0- 10	162.9	162.9	3.68
20	1612	1625	1634	1644	1657	1624	1589	1583	10- 20	469.7	632.6	14.3
30	1472	1496	1505	1534	1544	1500	1468	1448	20- 30	721.3	1354	30.5
40	1284	1295	1250	1349	1380	1331	1145	1248	30- 40	875.8	2230	50.3
50	1030	981.0	895.0	1055	1155	972.2	809.4	884.8	40- 50	874.7	3104	70
60	676.1	596.6	511.1	679.4	826.7	613.6	479.4	531.0	50- 60	716.7	3821	86.2
70	304.7	181.1	156.3	276.4	443.9	256.4	173.2	186.8	60- 70	418.3	4239	95.7
80	56.87	41.54	43.63	61.36	116.4	66.86	59.82	49.81	70- 80	147.1	4386	99
90	6.116	9.307	15.75	12.88	9.491	16.16	21.36	13.20	80- 90	31.83	4418	99.7
100	5.068	3.987	9.889	4.456	5.267	2.881	4.030	1.797	90-100	9.341	4428	99.9
110	3.211	1.189	0.2165	1.121	3.194	0.9375	0.0000	0.7985	100-110	3.017	4431	100
120	2.017	0.5274	0.0137	0.4415	1.853	0.1652	0.0038	0.1275	110-120	0.8969	4432	100
130	0.7965	0.0442	0.0239	0.0397	0.7595	0.0377	0.0079	0.0453	120-130	0.3871	4432	100
140	0.0955	0.0681	0.0374	0.0572	0.1454	0.0604	0.0153	0.0598	130-140	0.0609	4432	100
150	0.1539	0.0872	0.0503	0.0831	0.1384	0.0931	0.0148	0.0467	140-150	0.0418	4432	100
160	0.1591	0.0829	0.0630	0.0821	0.1495	0.1062	0.0199	0.0250	150-160	0.0390	4432	100
170	0.0166	0.0102	0.0489	0.0175	0.0468	0.0316	0.0104	0.0120	160-170	0.0178	4432	100
180	0.0005	0	0	0	0	0.0005	0	0	170-180	0.0015	4432	100
DEG	LUMINOUS INTENSITY:cd Less than 25% Percent = 6.5 %									UNIT:lm		

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

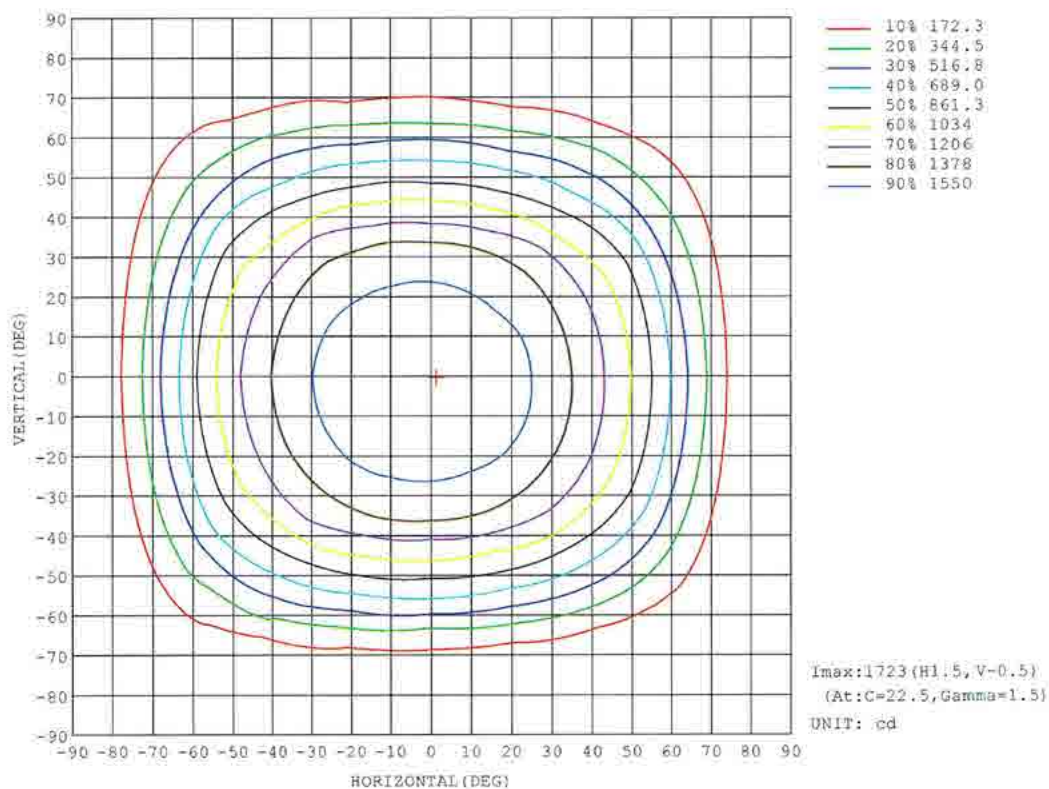
γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



ISOCANDELA DIAGRAM

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:



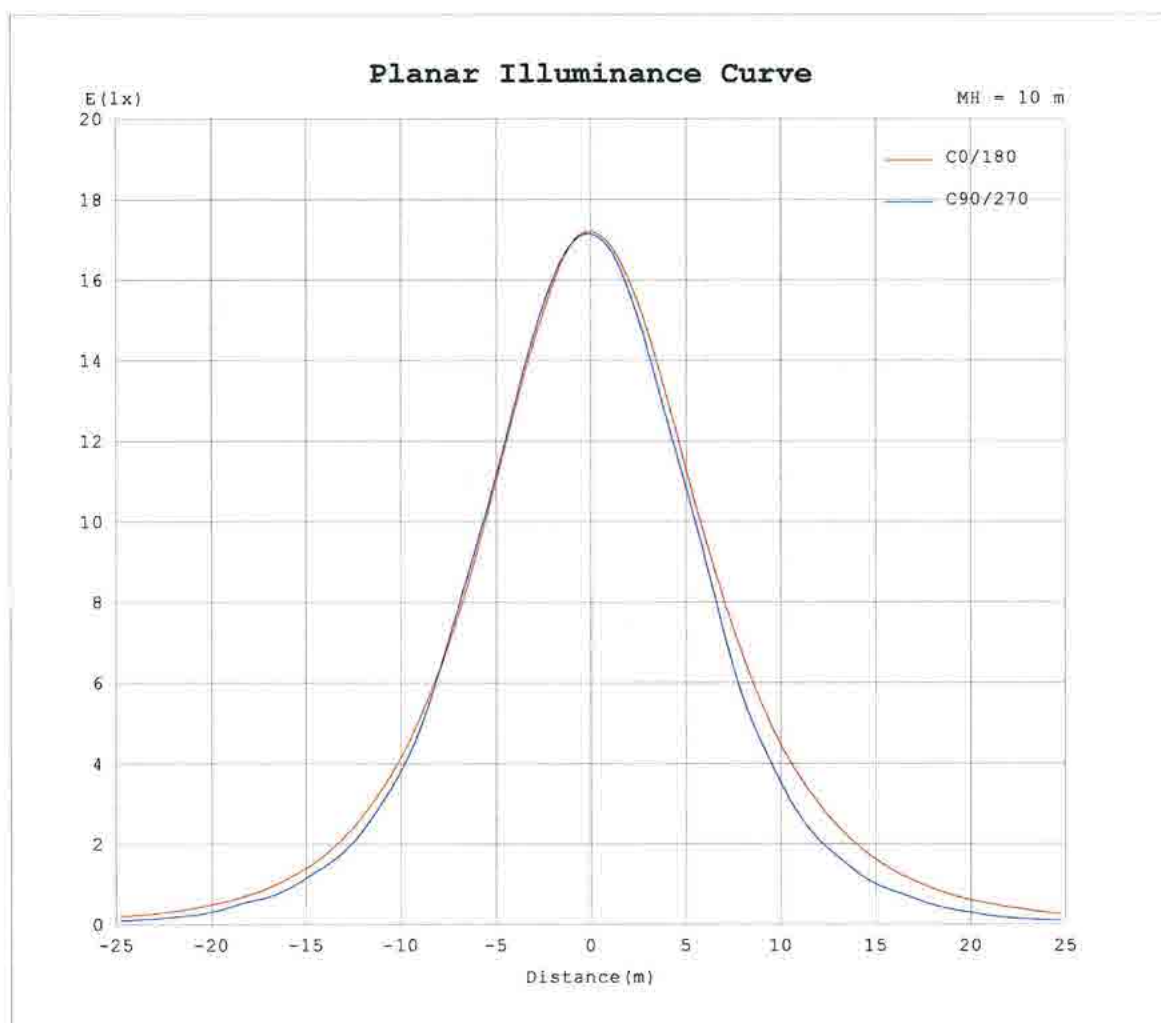
C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

The original data for reference only



Planar Illuminance Curve



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

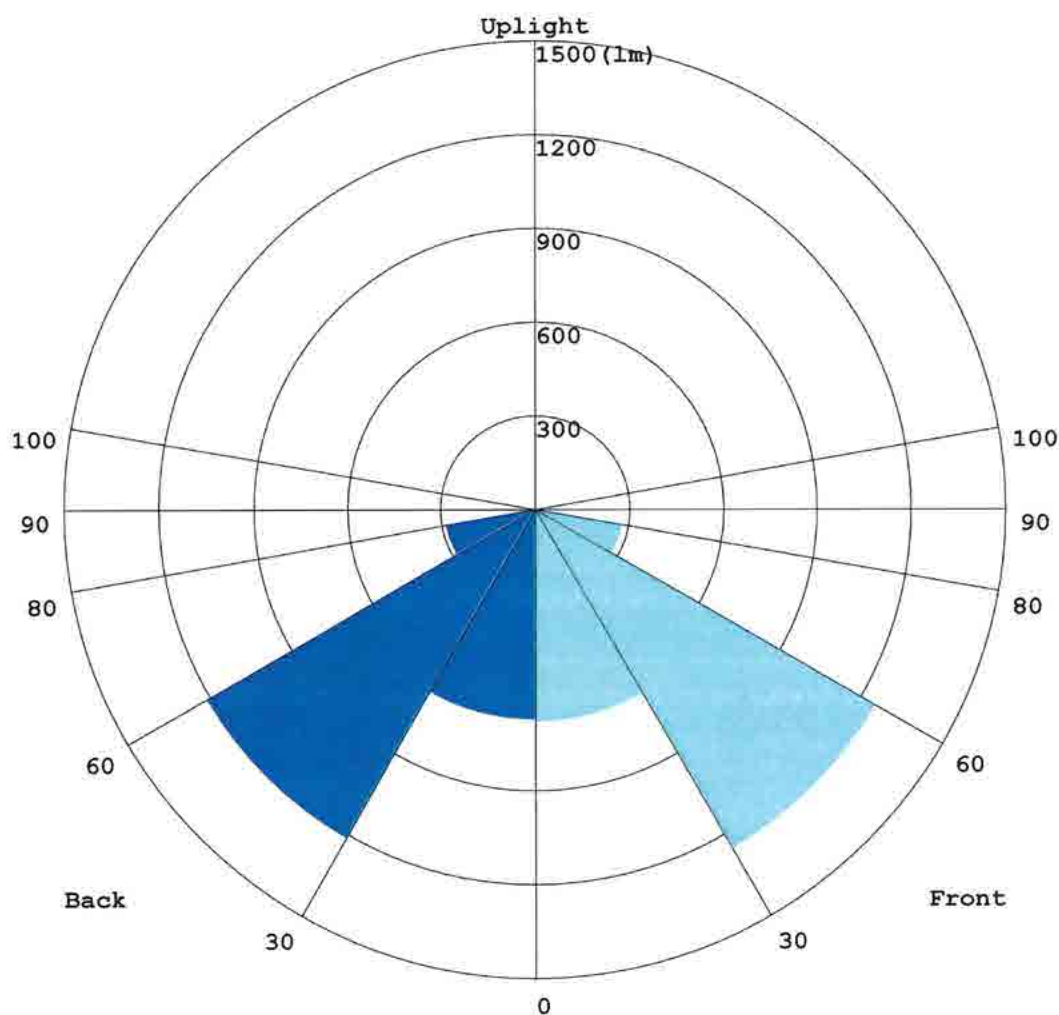
The original data for reference only



LCS REPORT

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

LUMINAIRE CLASSIFICATION SYSTEM(LCS) GRAPH



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0, 354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

The original data for reference only



BUG REPORT

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

IESNA Luminaire Flux Distribution Table:

Zone	Lumens	Luminaire %
FL - Front-Low(0-30)	680.81	15.4
FM - Front-Medium(30-60)	1254.1	28.3
FH - Front-High(60-80)	280.51	6.3
FVH - Front-Very High(80-90)	13.375	0.3
Total Forward Light	2235.8	50.4

BL - Back-Low(0-30)	673.12	15.2
BM - Back-Medium(30-60)	1213	27.4
BH - Back-High(60-80)	284.9	6.4
BVH - Back-Very High(80-90)	18.459	0.4
Total Back Light	2196.3	49.6

UL - Uplight-Low(90-100)	9.341	0.2
UH - Uplight-High(100-180)	4.462	0.1
Total Up Light	13.803	0.3

BUG(Back,Up,Glare) Rating	B2-U1-G1
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Zone	Downward Lumens	Upward Lumens	Total Lumens
House Side	2189.5	6.833	2196.3
Street Side	2228.8	6.97	2235.8

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature:26.0DEG
Operators:Arthur
Test Date:2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System:EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity:43.0%
Test Distance:2.475m [K=1.0000]
Remarks:

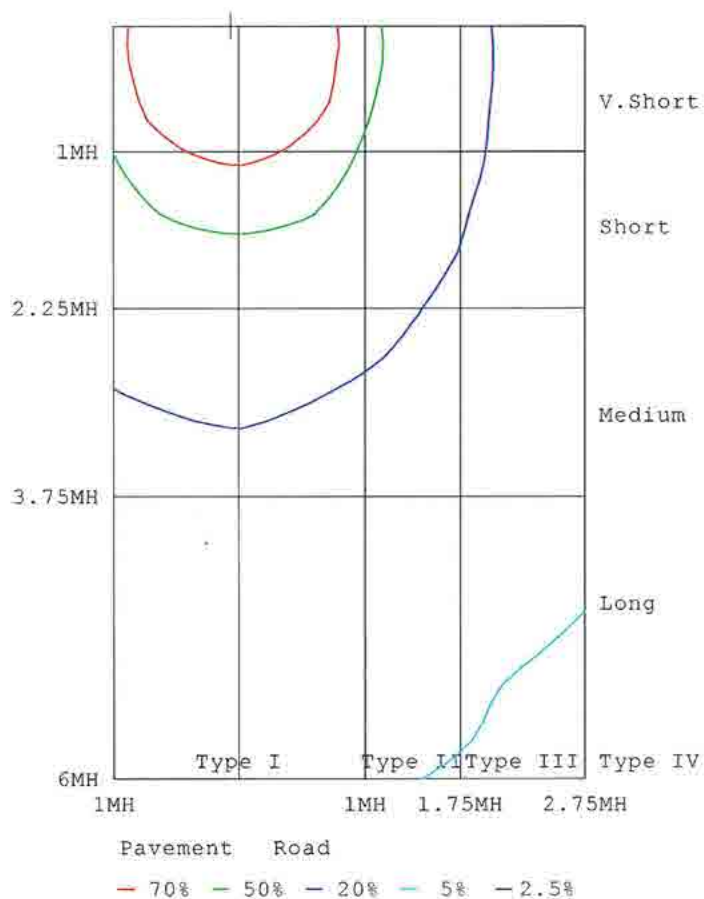
The original data for reference only



ROAD ISOCANDELA REPORT

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

ROAD SURFACE ISOCANDELA DIAGRAM



C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
 γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

The original data for reference only



GONIOPHOTOMETERS SYSTEM TEST REPORT

Pg.No 20 of 20

LUMINOUS DISTRIBUTION INTENSITY DATA

Test:U:220.0V I:0.2204A P:47.02W PF:0.9698 Freq:50.01Hz Lamp Flux:4432.13x1 lm		
NAME: AP FLOL-M 50W	TYPE:	WEIGHT:
SPEC.: 6000K	DIM.:	SERIAL No.:G1605268101
MFR.: APEX BRIGHT	SUR.:	Shielding Angle:

Table--1

UNIT: cd

C (DEG) γ (DEG)	0	22.5	45	67.5	90	112.5	135	157.5	180	202.5	225	247.5	270	292.5	315	337.5			
0	1720	1720	1719	1718	1715	1714	1715	1713	1720	1720	1719	1718	1715	1714	1715	1713			
5	1715	1718	1718	1718	1715	1716	1713	1712	1718	1715	1711	1708	1707	1705	1704	1708			
10	1689	1694	1699	1701	1704	1704	1706	1703	1706	1701	1692	1688	1681	1678	1680	1680			
15	1654	1659	1666	1674	1677	1676	1680	1683	1690	1676	1663	1649	1641	1637	1637	1643			
20	1612	1618	1625	1632	1634	1635	1644	1650	1657	1646	1624	1597	1589	1587	1583	1599			
25	1548	1565	1571	1564	1570	1579	1603	1606	1609	1595	1565	1539	1535	1523	1521	1542			
30	1472	1482	1496	1488	1505	1515	1534	1541	1544	1527	1500	1482	1468	1455	1448	1457			
35	1378	1395	1402	1408	1415	1436	1446	1466	1472	1444	1426	1385	1320	1338	1368	1366			
40	1284	1296	1295	1275	1250	1305	1349	1372	1380	1351	1331	1200	1145	1157	1248	1261			
45	1162	1176	1168	1077	1070	1113	1237	1255	1270	1234	1174	1048	1000	1009	1061	1140			
50	1030	1040	981	912	895	953	1055	1132	1155	1107	972	865	809	803	885	1009			
55	859	879	786	717	721	752	858	983	1002	972	813	704	642	657	703	844			
60	676	695	597	517	511	566	679	808	827	795	614	518	479	485	531	633			
65	482	487	401	291	278	349	486	604	638	558	446	337	260	295	356	422			
70	305	291	181	149	156	166	276	386	444	379	256	174	173	159	187	250			
75	154	126	87.1	93.4	101	108	113	207	256	216	122	118	109	105	92.4	127			
80	56.9	43.7	41.5	36.9	43.6	52.0	61.4	69.0	116	84.3	66.9	66.9	59.8	55.8	49.8	47.8			
85	16.8	18.3	19.3	21.0	23.4	23.5	24.9	29.3	33.1	31.5	30.9	34.8	35.6	31.7	24.5	19.1			
90	6.12	6.95	9.31	12.3	15.7	14.2	12.9	11.8	9.49	11.3	16.2	21.1	21.4	19.4	13.2	7.14			
95	5.74	4.80	5.15	8.69	11.7	9.57	6.32	5.27	5.79	5.62	9.60	14.0	14.5	13.3	9.06	4.45			
100	5.07	3.69	3.99	8.14	9.89	8.60	4.46	3.77	5.27	3.84	2.88	7.55	4.03	4.36	1.80	3.46			
105	4.07	2.94	1.66	5.49	5.80	7.00	2.37	2.86	4.27	2.89	1.41	0.14	0.00	0.06	1.22	2.63			
110	3.21	2.35	1.19	0.18	0.22	0.15	1.12	2.15	3.19	2.16	0.94	0.00	0.00	0.00	0.80	2.01			
115	2.54	1.87	0.79	0.01	0.01	0.01	0.70	1.60	2.38	1.60	0.60	0.01	0.00	0.01	0.49	1.54			
120	2.02	1.43	0.53	0.01	0.01	0.01	0.44	1.20	1.85	1.21	0.17	0.01	0.00	0.01	0.13	1.18			
125	1.54	1.07	0.16	0.01	0.02	0.01	0.11	0.91	1.46	0.77	0.03	0.01	0.01	0.01	0.04	0.80			
130	0.80	0.43	0.04	0.01	0.02	0.01	0.04	0.39	0.76	0.20	0.04	0.01	0.01	0.01	0.05	0.16			
135	0.16	0.05	0.06	0.02	0.03	0.01	0.05	0.05	0.19	0.05	0.05	0.01	0.01	0.01	0.05	0.05			
140	0.10	0.07	0.07	0.02	0.04	0.02	0.06	0.06	0.15	0.07	0.06	0.01	0.02	0.02	0.06	0.08			
145	0.11	0.11	0.08	0.02	0.04	0.02	0.08	0.09	0.10	0.09	0.08	0.02	0.02	0.02	0.06	0.11			
150	0.15	0.14	0.09	0.03	0.05	0.02	0.08	0.13	0.14	0.13	0.09	0.02	0.01	0.01	0.05	0.13			
155	0.18	0.16	0.09	0.03	0.06	0.03	0.08	0.14	0.16	0.15	0.10	0.03	0.02	0.01	0.02	0.11			
160	0.16	0.14	0.08	0.04	0.06	0.04	0.08	0.12	0.15	0.14	0.11	0.04	0.02	0.02	0.02	0.08			
165	0.09	0.07	0.06	0.06	0.07	0.06	0.08	0.08	0.10	0.10	0.07	0.04	0.03	0.03	0.02	0.02			
170	0.02	0.01	0.01	0.04	0.05	0.04	0.02	0.03	0.05	0.05	0.03	0.01	0.01	0.01	0.01	0.01			
175	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.02			
180	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	0.00	0.00	0.00			

C Range: 0 - 360DEG
C Interval: 22.5DEG
Test Speed: HIGH
Temperature: 26.0DEG
Operators: Arthur
Test Date: 2016-06-03

γ Range: 0 - 180DEG
γ Interval: 0.5DEG
Test System: EVERFINE GO-R5000_V2 SYSTEM V2.0.354
Humidity: 43.0%
Test Distance: 2.475m [K=1.0000]
Remarks:

The original data for reference only