

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: LUMARK

Report Number: P210684

Luminaire Tested: **WPLED-125-GL-UNV**

Test Date: 10/26/16

Test Information

Test Method: LM-79-08
Report Number: P210684
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P29006)
Test Lab: INNOVATION CENTER-P2
Test Date: 10/26/16
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: WPLLED-125-GL-UNV
Description: LED WALL PACK
Light Source: (4) CREE 4000K LEDS
CXA3050
Ballast/Driver: (4) MEAN WELL ELECTRONIC DRIVERS
MW HLG-150H-48

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15142.7 lumens
Efficiency: N/A
Efficacy: 124.5 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.25' x L: 0.42' x H: 0.58')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B2 - U5 - G5

Input Watts (W): 121.6
Input Voltage (V): 120.1
Input Current (Ain): 1.02
Voltage Rise (V): NR
Power Factor: 0.9998
Total Harmonic Distortion (THDi): 8.04%
Frequency (hertz): 60
Stabilization Time: 1 HR
Operation Time: 3 HR
Ambient Temperature (°C): 24.8
Test Distance: 25 FT

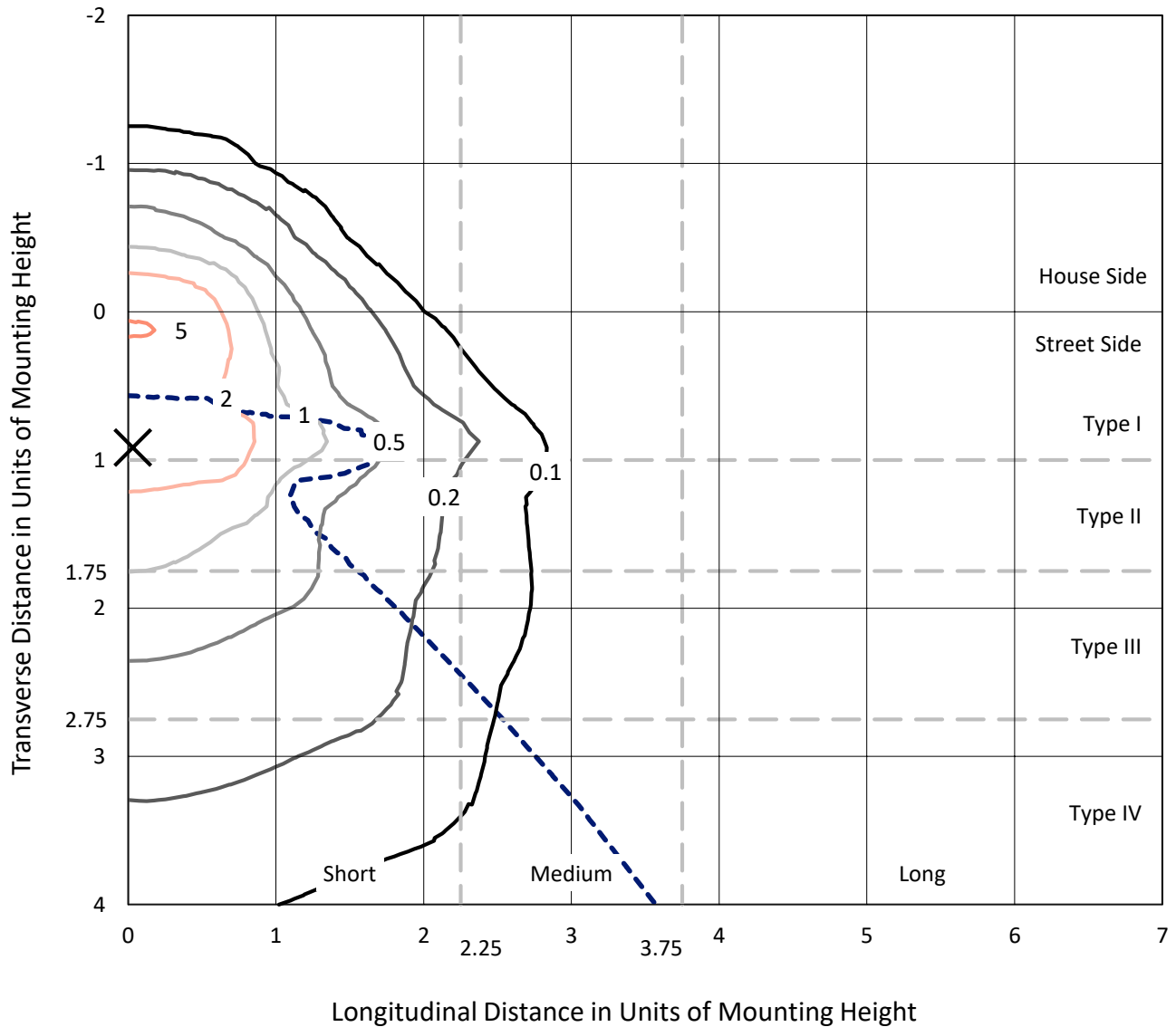


REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

Iso-Footcandle Lines of Horizontal Illumination

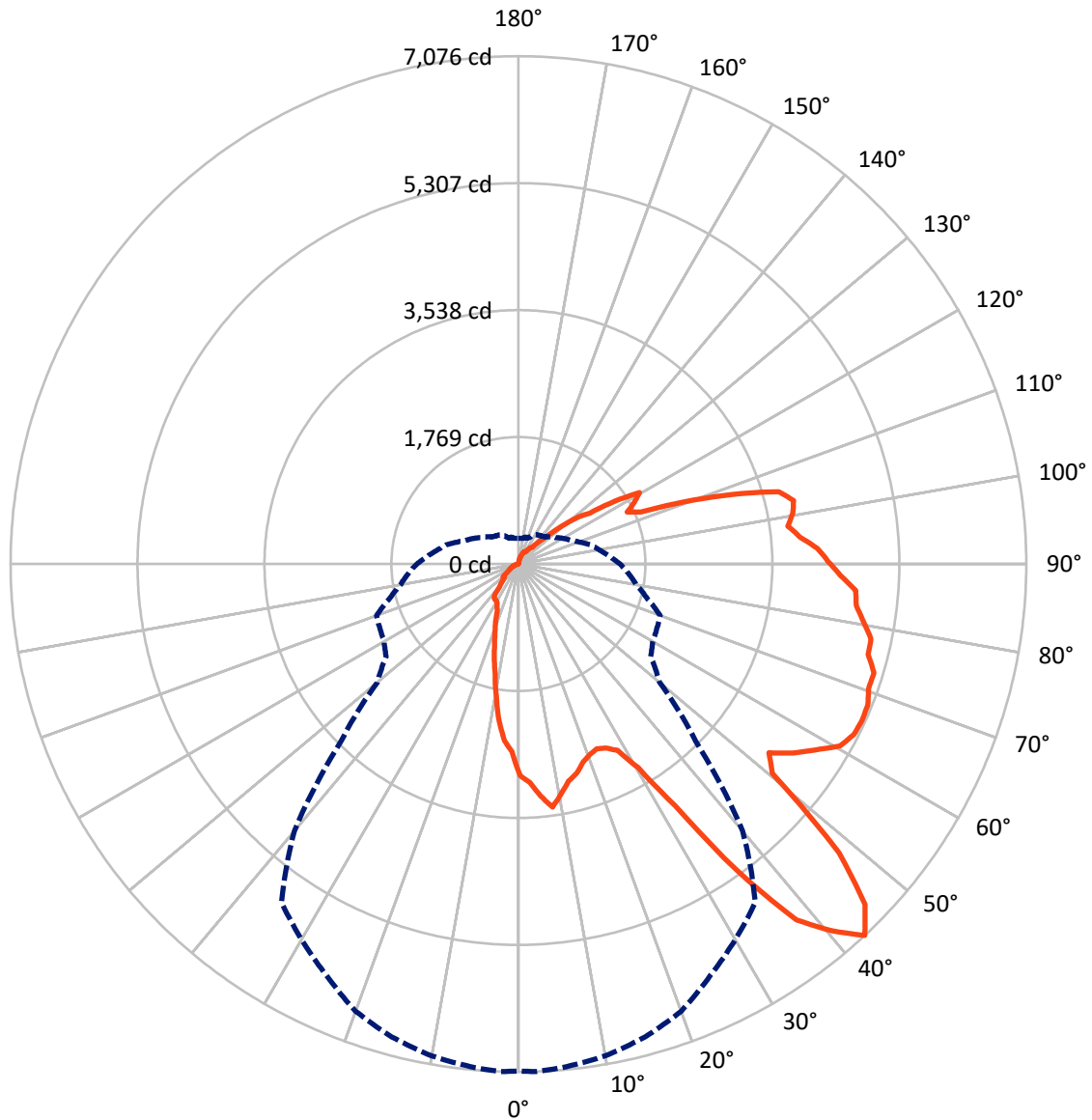
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.3 fc
 Type IV - Short - Non-Cutoff

REPORT NUMBER: P210684
CATALOG NUMBER: WPLLED-125-GL-UNV

Luminous Intensity Polar Plot



— Vertical Plane Through 2-Deg Lateral - - - Horizontal Cone Through 42.5-Deg Vertical

REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

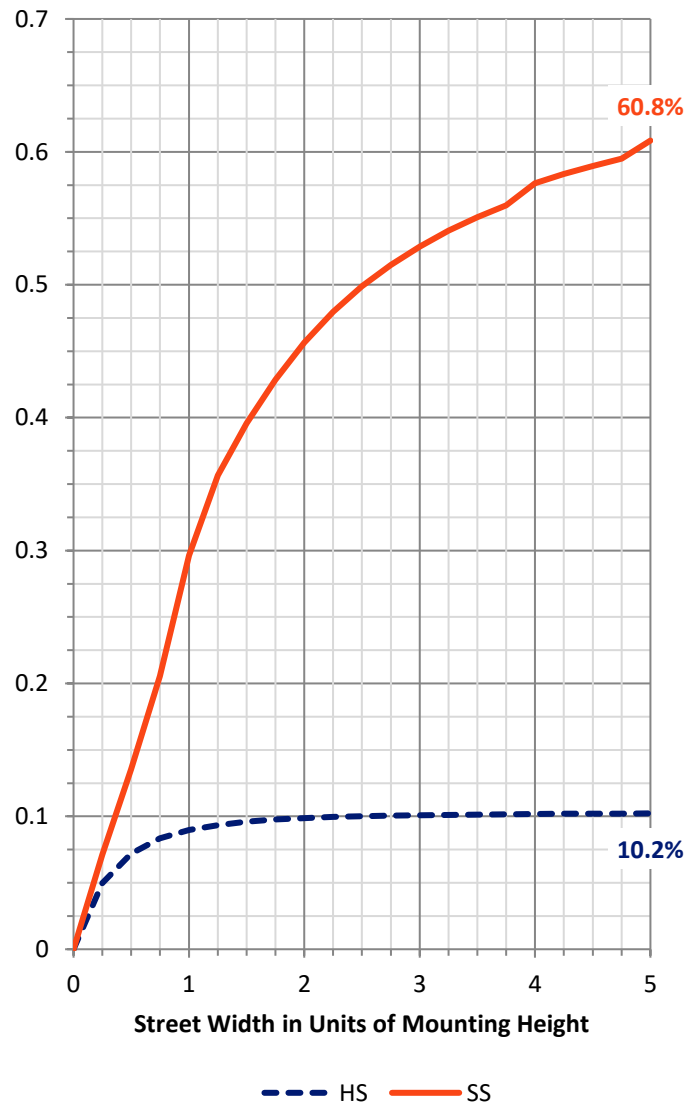
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1572.5	97.6	1670.1
	% Fixture	10.4	0.6	11.0
Street Side	Lumens	10349.1	3123.5	13472.5
	% Fixture	68.3	20.6	89.0
Total	Lumens	11921.6	3221.1	15142.7
	% Fixture	78.7	21.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	271.6	1.8
10°-20°	695.7	4.6
20°-30°	949.3	6.3
30°-40°	1336.7	8.8
40°-50°	1818.6	12.0
50°-60°	1755.7	11.6
60°-70°	1791.4	11.8
70°-80°	1751.9	11.6
80°-90°	1550.8	10.2
90°-100°	1281.4	8.5
100°-110°	929.8	6.1
110°-120°	494.1	3.3
120°-130°	286.6	1.9
130°-140°	124.0	0.8
140°-150°	64.8	0.4
150°-160°	31.0	0.2
160°-170°	9.1	0.1
170°-180°	0.3	0.0
0°-90°	11921.6	78.7
0°-180°	15142.7	100.0



REPORT NUMBER: P210684

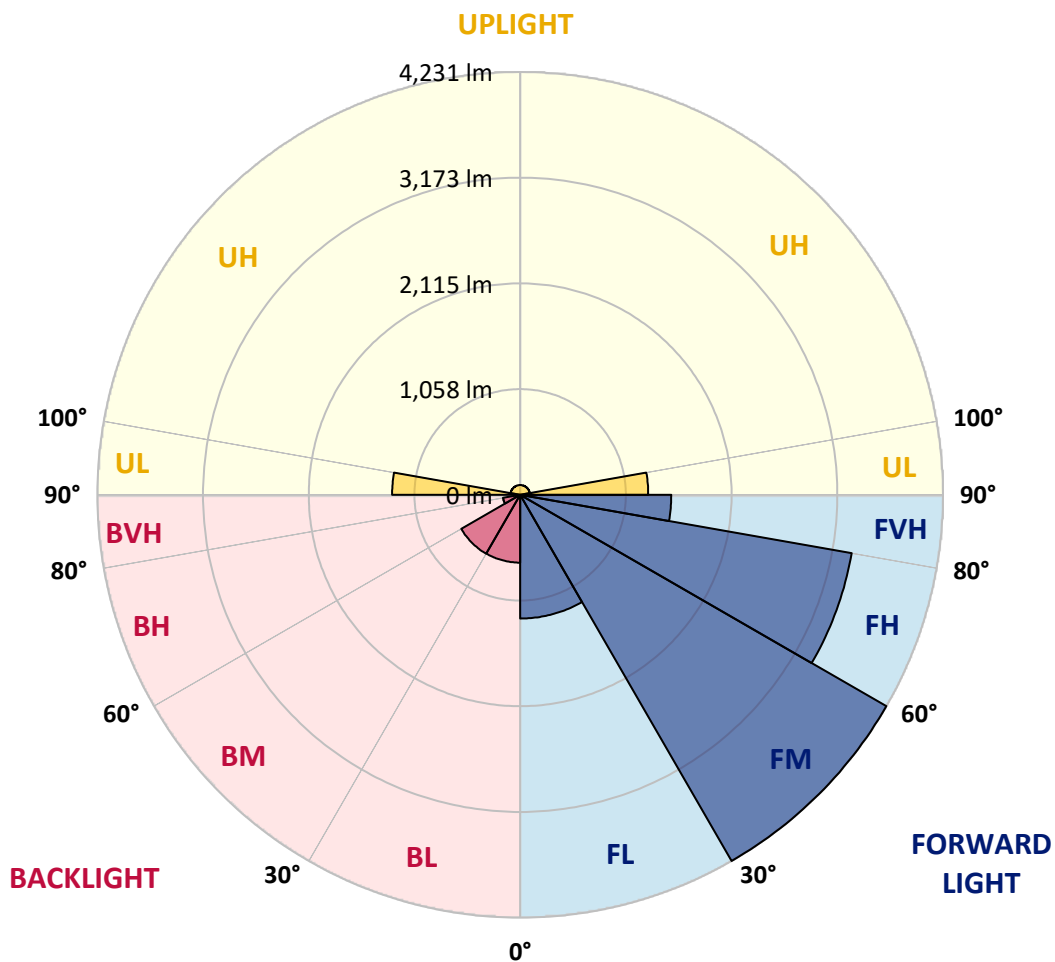
CATALOG NUMBER: WPLLED-125-GL-UNV

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1237.9	8.2			
FM	(30°-60°)	4230.8	27.9			
FH	(60°-80°)	3368.4	22.2			G2/5000
FVH	(80°-90°)	1511.9	10.0			G5
BL	(0°-30°)	678.6	4.5	B2/1000		
BM	(30°-60°)	680.2	4.5	B1/1000		
BH	(60°-80°)	174.8	1.2	B1/500		G1/500
BVH	(80°-90°)	38.9	0.3			G1/100
UL	(90°-100°)	1281.4	8.5		U5	
UH	(100°-180°)	97.6	0.6		U3/500	

BUG Rating: B2-U5-G5

Type IV Short





REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

CANDELA DISTRIBUTION (FULL):

	0°	2°	5°	10°	15°	20°	25°	30°	35°	40°	45°
0°	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9
2.5°	3051.6	3046.8	3045.9	3049.7	3050.7	3055.5	3060.3	3063.2	3069.9	3071.8	3073.7
5°	3272.5	3247.5	3242.7	3250.4	3237.0	3223.5	3213.9	3189.0	3181.3	3154.4	3139.0
7.5°	3411.7	3418.5	3426.1	3430.9	3440.5	3439.6	3444.4	3440.5	3421.3	3359.9	3316.7
10°	3256.2	3259.1	3260.0	3261.0	3264.8	3283.1	3300.3	3326.3	3361.8	3422.3	3440.5
12.5°	3098.7	3105.4	3116.9	3120.8	3129.4	3156.3	3182.2	3206.2	3238.9	3261.0	3321.5
15°	3020.9	3029.6	3038.2	3038.2	3053.6	3051.6	3054.5	3057.4	3097.7	3158.2	3196.6
17.5°	2899.9	2905.7	2912.4	2912.4	2929.7	2943.1	2969.1	2992.1	3016.1	3016.1	3058.4
20°	2832.7	2834.6	2832.7	2826.9	2819.3	2822.1	2836.6	2870.2	2902.8	2930.7	2932.6
22.5°	2793.3	2797.2	2793.3	2794.3	2783.7	2781.8	2777.0	2765.5	2783.7	2799.1	2819.3
25°	2839.4	2839.4	2830.8	2813.5	2789.5	2760.7	2747.2	2738.6	2716.5	2697.3	2713.6
27.5°	2941.2	2941.2	2927.8	2903.8	2868.2	2827.9	2776.1	2719.4	2693.5	2659.9	2663.7
30°	3316.7	3292.7	3265.8	3199.5	3095.8	2981.5	2873.0	2777.0	2691.6	2666.6	2692.5
32.5°	4062.8	4015.7	3986.0	3869.8	3684.4	3452.1	3206.2	2949.9	2795.3	2726.1	2788.5
35°	5201.6	5246.8	5192.0	4993.3	4686.9	4306.7	3909.1	3439.6	3117.9	2927.8	2895.1
37.5°	6303.0	6290.5	6252.1	6159.9	5956.4	5588.6	5052.8	4271.2	3748.8	3331.1	2983.5
40°	6717.8	6720.7	6675.6	6618.9	6500.8	6304.9	5972.7	5417.7	4800.2	3944.7	3144.8
42.5°	7062.6	7076.0	7042.4	6958.9	6821.6	6630.5	6326.1	6042.8	5754.7	4858.8	3494.3
45°	6790.8	6769.7	6760.1	6723.6	6700.6	6716.9	6592.1	6470.1	6159.0	5461.9	4228.9
47.5°	6080.2	6014.0	5998.6	6074.5	6189.7	6347.2	6452.8	6758.2	6358.7	5587.6	4769.5
50°	4700.4	4587.1	4619.7	4707.1	4929.9	5317.8	5873.8	6598.8	6217.6	5463.8	4914.5
52.5°	4398.9	4369.1	4348.0	4224.1	4179.9	4203.9	4627.4	5693.3	5803.7	5003.8	4697.5
55°	4662.0	4649.5	4620.7	4467.0	4319.2	4143.4	4102.1	4610.1	4793.5	4357.6	4180.9
57.5°	4910.7	4884.7	4864.6	4720.5	4542.9	4353.7	4194.3	4376.8	4203.0	3547.1	3575.9
60°	5134.4	5146.9	5098.9	4985.6	4781.0	4568.8	4376.8	4484.3	4235.6	3396.4	3022.8
62.5°	5238.1	5241.0	5209.3	5106.6	4938.5	4768.6	4603.4	4661.0	4337.4	3460.7	2999.8
65°	5251.6	5260.2	5229.5	5141.1	4989.4	4831.0	4710.0	4812.7	4507.4	3532.7	3051.6
67.5°	5221.8	5248.7	5211.2	5122.9	4993.3	4867.5	4794.5	4882.8	4590.9	3623.9	3090.1
70°	5141.1	5177.6	5140.2	5052.8	4914.5	4789.7	4739.7	4913.6	4649.5	3699.8	3124.6
72.5°	5127.7	5180.5	5144.0	5043.2	4916.4	4778.2	4737.8	4867.5	4608.2	3734.4	3161.1
75°	4994.2	5031.7	5004.8	4922.2	4818.5	4700.4	4674.5	4845.4	4609.2	3744.0	3179.4
77.5°	4967.3	5022.1	4987.5	4873.2	4736.9	4593.8	4596.7	4738.8	4509.3	3709.4	3166.9
80°	4808.9	4874.2	4822.3	4739.7	4641.8	4508.3	4512.2	4694.6	4433.4	3603.8	3071.8
82.5°	4710.0	4742.6	4702.3	4589.0	4469.9	4349.9	4368.1	4486.2	4223.1	3443.4	2968.1
85°	4660.0	4713.8	4653.3	4549.6	4416.1	4256.7	4223.1	4342.2	4041.7	3296.5	2859.6
87.5°	4435.4	4486.2	4447.8	4336.4	4196.3	4068.5	4040.7	4099.3	3820.8	3152.5	2747.2
90°	4287.5	4314.4	4272.1	4170.3	4010.9	3863.0	3826.6	3893.8	3613.4	2994.0	2620.5
92.5°	4147.3	4170.3	4131.9	4019.6	3866.9	3709.4	3672.9	3725.7	3478.0	2889.4	2503.3
95°	3925.5	3937.9	3888.0	3813.1	3668.1	3559.6	3591.3	3665.2	3366.6	2807.7	2416.9
97.5°	3780.5	3792.0	3748.8	3706.5	3599.9	3528.9	3579.8	3657.6	3332.0	2745.3	2315.1
100°	3888.0	3889.0	3862.1	3837.1	3764.1	3690.2	3695.0	3598.0	3195.7	2573.4	2108.7
102.5°	3947.6	3934.1	3906.3	3867.9	3731.5	3603.8	3501.0	3326.3	2909.5	2256.6	1792.8
105°	3790.1	3767.0	3720.0	3623.0	3419.4	3209.1	2979.6	2814.5	2362.2	1819.7	1465.3
107.5°	3161.1	3140.9	3106.4	2989.2	2804.9	2592.7	2384.3	2165.3	1797.6	1458.6	1256.0
110°	2485.1	2467.8	2414.0	2321.9	2185.5	1981.9	1779.3	1650.7	1474.9	1314.6	1177.3



REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

CANDELA DISTRIBUTION (continued):

	0°	2°	5°	10°	15°	20°	25°	30°	35°	40°	45°
112.5°	1874.4	1852.3	1818.7	1754.4	1667.9	1555.6	1488.4	1501.8	1487.4	1349.1	1069.7
115°	1680.4	1680.4	1672.7	1649.7	1607.4	1568.1	1581.5	1622.8	1544.1	1243.5	954.5
117.5°	1827.3	1825.4	1829.3	1804.3	1755.3	1719.8	1690.0	1604.6	1354.9	1082.2	797.0
120°	1963.7	1958.9	1941.6	1891.7	1796.6	1658.3	1456.7	1294.4	1100.4	904.5	666.4
122.5°	1642.0	1611.3	1588.2	1493.2	1384.7	1242.6	1136.9	1039.9	925.7	760.5	565.6
125°	1226.2	1218.5	1207.0	1178.2	1127.3	1061.1	979.4	893.0	761.5	605.9	460.0
127.5°	1084.1	1070.7	1055.3	1021.7	952.6	866.1	800.8	705.8	611.7	486.8	380.3
130°	864.2	858.5	850.8	827.7	768.2	699.1	633.8	544.5	465.7	388.9	322.6
132.5°	656.8	647.2	648.2	622.2	578.1	530.1	478.2	419.6	367.8	317.8	283.3
135°	501.2	492.6	493.6	473.4	435.0	401.4	374.5	355.3	333.2	306.3	290.0
137.5°	403.3	403.3	402.3	401.4	391.8	377.4	366.8	353.4	334.2	289.0	255.4
140°	299.6	295.8	297.7	295.8	281.4	273.7	270.8	267.9	261.2	257.3	253.5
142.5°	284.2	285.2	283.3	285.2	284.2	283.3	288.1	291.9	294.8	289.0	275.6
145°	259.3	257.3	257.3	260.2	254.5	248.7	249.7	245.8	245.8	235.3	220.9
147.5°	217.0	216.1	217.0	219.9	218.9	218.0	218.9	219.9	218.0	209.3	197.8
150°	193.0	192.0	193.0	196.8	197.8	197.8	200.7	200.7	197.8	192.0	183.4
152.5°	191.1	191.1	191.1	194.0	195.9	194.9	193.0	192.0	186.3	176.7	169.0
155°	179.6	179.6	180.5	182.4	182.4	179.6	176.7	171.9	164.2	154.6	148.8
157.5°	165.2	165.2	165.2	164.2	161.3	156.5	152.7	146.0	140.2	133.5	125.8
160°	136.4	136.4	136.4	135.4	132.5	129.6	127.7	124.8	118.1	109.5	99.9
162.5°	112.3	112.3	113.3	113.3	112.3	109.5	104.7	100.8	93.1	83.5	74.9
165°	93.1	93.1	93.1	91.2	89.3	85.5	80.7	75.9	68.2	60.5	51.9
167.5°	65.3	65.3	65.3	64.3	61.5	58.6	54.7	50.9	42.3	33.6	25.0
170°	34.6	34.6	34.6	32.6	30.7	28.8	25.0	21.1	14.4	10.6	8.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
0°	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9
2.5°	3071.8	3068.0	3066.0	3060.3	3052.6	3044.0	3027.6	3008.4	2980.6	2950.8	2917.2
5°	3121.7	3103.5	3095.8	3087.2	3077.6	3064.1	3042.0	3007.5	2958.5	2899.0	2829.8
7.5°	3247.5	3188.0	3141.9	3101.6	3079.5	3069.9	3043.0	3002.7	2937.4	2844.2	2744.4
10°	3415.6	3327.2	3233.1	3145.7	3077.6	3051.6	3028.6	2988.3	2900.9	2778.0	2679.1
12.5°	3383.9	3393.5	3330.1	3200.5	3085.3	3020.0	2994.0	2947.0	2838.5	2697.3	2623.4
15°	3239.9	3311.9	3328.2	3238.9	3072.8	2967.1	2932.6	2885.5	2758.8	2620.5	2572.5
17.5°	3116.9	3152.5	3221.6	3220.6	3052.6	2906.6	2871.1	2828.9	2689.6	2573.4	2527.4
20°	2946.0	3010.4	3068.0	3153.4	3050.7	2858.6	2817.3	2792.4	2633.9	2558.1	2449.6
22.5°	2818.3	2855.8	2953.7	3075.7	3060.3	2849.0	2778.0	2745.3	2584.0	2534.1	2354.5
25°	2747.2	2764.5	2879.8	3007.5	3050.7	2826.9	2747.2	2680.0	2525.4	2439.0	2242.2
27.5°	2719.4	2774.1	2842.3	2972.9	3022.8	2792.4	2685.8	2569.6	2428.4	2286.3	2097.2
30°	2764.5	2834.6	2844.2	2920.1	2932.6	2683.9	2554.2	2406.4	2248.9	2090.4	1909.0
32.5°	2848.1	2857.7	2817.3	2802.0	2761.7	2498.5	2354.5	2195.1	2041.5	1868.6	1696.7
35°	2871.1	2807.7	2691.6	2591.7	2525.4	2284.4	2150.9	2002.1	1858.1	1666.0	1543.1
37.5°	2788.5	2638.7	2464.0	2348.7	2330.5	2123.1	1993.5	1854.2	1710.2	1529.7	1408.7
40°	2633.0	2398.7	2260.4	2203.8	2208.6	1990.6	1827.3	1683.3	1548.9	1397.2	1272.3
42.5°	2565.8	2248.9	2160.5	2127.9	2103.9	1857.1	1669.9	1540.2	1414.4	1266.6	1140.8
45°	2870.2	2255.6	2132.7	2090.4	2027.1	1746.7	1550.8	1421.2	1305.0	1148.4	1039.0
47.5°	3686.4	2495.7	2168.2	2111.6	2013.6	1698.7	1487.4	1332.8	1199.3	1061.1	951.6
50°	4337.4	3124.6	2302.7	2138.5	1988.7	1655.5	1448.0	1275.2	1118.7	1006.3	860.4
52.5°	4619.7	3973.5	2608.0	2102.0	1886.9	1595.9	1421.2	1227.2	1071.6	943.9	766.3
55°	4509.3	4469.9	3385.8	2111.6	1778.4	1553.7	1386.6	1175.3	1037.1	857.5	679.9
57.5°	3998.4	4514.1	3968.7	2289.2	1706.3	1520.1	1302.1	1120.6	943.9	739.4	592.5
60°	3446.3	3826.6	4110.8	2928.7	1709.2	1474.9	1230.1	1063.9	835.4	640.5	498.4
62.5°	3013.2	3249.5	3617.2	3373.3	1791.8	1416.4	1178.2	1007.3	723.1	557.9	393.7
65°	2914.3	2769.3	2791.4	3281.1	2148.1	1390.4	1153.2	933.4	673.1	492.6	301.5
67.5°	2935.5	2671.4	2399.6	2475.5	2597.5	1443.2	1130.2	818.1	620.3	415.8	247.7
70°	2982.5	2634.9	2226.8	1932.0	2409.2	1624.7	1108.1	753.8	550.2	308.2	201.7
72.5°	2988.3	2646.4	2204.7	1865.7	1840.8	1730.4	1058.2	755.7	486.8	242.0	173.8
75°	2951.8	2627.2	2166.3	1821.6	1513.3	1522.9	1044.7	640.5	351.4	191.1	157.5
77.5°	2947.0	2592.7	2137.5	1738.0	1372.2	1323.2	954.5	580.9	258.3	155.6	147.9
80°	2900.9	2587.8	2111.6	1628.6	1292.5	1078.4	808.5	479.2	194.9	132.5	144.0
82.5°	2811.6	2555.2	2009.8	1523.9	1191.7	943.0	684.7	335.1	149.8	121.0	145.0
85°	2684.8	2430.4	1889.8	1420.2	1102.4	851.7	583.8	236.2	117.1	115.2	149.8
87.5°	2598.4	2289.2	1757.2	1327.1	997.7	710.6	446.5	179.6	102.7	117.1	154.6
90°	2475.5	2155.7	1619.9	1242.6	919.9	635.7	331.3	140.2	97.0	128.7	159.4
92.5°	2383.3	2033.8	1513.3	1138.8	877.7	577.1	259.3	118.1	99.9	143.1	159.4
95°	2261.4	1856.1	1383.7	1042.8	751.9	450.4	206.5	107.5	108.5	153.6	152.7
97.5°	2060.7	1661.2	1258.9	928.6	676.0	351.4	170.0	101.8	116.2	153.6	142.1
100°	1761.1	1440.4	1094.7	790.3	547.3	270.8	146.0	97.9	122.0	148.8	131.6
102.5°	1482.6	1243.5	922.8	650.1	388.9	213.2	129.6	96.0	119.1	135.4	122.0
105°	1257.0	1031.3	748.0	546.4	294.8	178.6	120.0	99.9	116.2	120.0	108.5
107.5°	1093.7	862.3	646.2	429.2	247.7	158.4	114.3	105.6	115.2	108.5	97.9
110°	946.8	735.5	579.0	348.6	213.2	147.9	113.3	111.4	111.4	101.8	90.3



REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

CANDELA DISTRIBUTION (continued):

	50°	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°
112.5°	844.1	629.0	459.0	291.0	197.8	141.2	119.1	117.1	107.5	94.1	83.5
115°	706.7	528.1	375.5	259.3	180.5	137.3	127.7	122.0	104.7	89.3	79.7
117.5°	583.8	440.8	326.5	229.5	168.0	136.4	136.4	122.0	99.9	84.5	73.9
120°	508.0	373.5	287.1	211.3	159.4	137.3	143.1	117.1	94.1	79.7	68.2
122.5°	427.3	331.3	256.4	197.8	155.6	143.1	146.0	109.5	87.4	75.9	63.4
125°	363.0	291.0	237.2	187.2	156.5	151.7	146.0	100.8	82.6	71.1	59.5
127.5°	312.1	255.4	211.3	179.6	158.4	160.4	142.1	91.2	76.8	65.3	55.7
130°	277.5	237.2	197.8	171.9	157.5	163.2	133.5	83.5	71.1	60.5	50.9
132.5°	256.4	221.8	195.9	171.9	163.2	159.4	120.0	75.9	64.3	55.7	48.0
135°	273.7	249.7	216.1	192.0	179.6	156.5	104.7	67.2	58.6	50.9	44.2
137.5°	235.3	214.1	190.1	178.6	170.9	140.2	88.3	59.5	52.8	46.1	40.3
140°	247.7	234.3	213.2	194.0	172.8	128.7	73.0	51.9	47.1	42.3	36.5
142.5°	251.6	224.7	202.6	185.3	156.5	110.4	59.5	46.1	42.3	38.4	33.6
145°	201.7	188.2	177.6	163.2	129.6	85.5	48.0	41.3	37.4	34.6	29.8
147.5°	185.3	173.8	165.2	143.1	107.5	66.3	39.4	35.5	33.6	30.7	26.9
150°	174.8	167.1	151.7	122.0	89.3	51.9	33.6	31.7	29.8	26.9	23.0
152.5°	162.3	149.8	128.7	97.0	65.3	39.4	27.8	26.9	25.9	24.0	20.2
155°	140.2	124.8	99.9	75.9	49.0	26.9	24.0	23.0	22.1	20.2	19.2
157.5°	113.3	95.1	78.7	53.8	34.6	20.2	19.2	19.2	19.2	18.2	17.3
160°	85.5	73.0	54.7	36.5	20.2	17.3	17.3	17.3	18.2	17.3	16.3
162.5°	65.3	49.9	35.5	20.2	15.4	15.4	15.4	16.3	16.3	16.3	15.4
165°	40.3	27.8	16.3	13.4	13.4	14.4	14.4	15.4	15.4	15.4	14.4
167.5°	17.3	11.5	10.6	11.5	12.5	13.4	13.4	14.4	14.4	14.4	14.4
170°	9.6	10.6	10.6	11.5	12.5	12.5	13.4	14.4	14.4	14.4	14.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P210684

CATALOG NUMBER: WPLLED-125-GL-UNV

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9	2949.9
2.5°	2877.8	2838.5	2807.7	2767.4	2729.0	2699.2	2677.2	2665.6	2639.7	2632.0	2626.3
5°	2758.8	2702.1	2663.7	2634.9	2614.7	2600.3	2586.9	2574.4	2555.2	2526.4	2501.4
7.5°	2676.2	2638.7	2614.7	2579.2	2525.4	2461.1	2400.6	2347.8	2303.6	2269.0	2250.8
10°	2633.0	2598.4	2532.2	2430.4	2327.6	2268.1	2223.0	2167.3	2071.2	1993.5	1944.5
12.5°	2582.1	2497.6	2367.0	2271.0	2196.1	2070.3	1962.7	1882.1	1833.1	1760.1	1700.6
15°	2491.8	2342.0	2235.4	2110.6	1948.3	1850.4	1770.7	1672.7	1573.8	1498.0	1451.9
17.5°	2358.4	2229.7	2068.4	1886.9	1782.2	1643.9	1533.5	1453.8	1378.9	1296.3	1245.4
20°	2260.4	2100.0	1884.0	1743.8	1578.6	1455.7	1356.8	1266.6	1185.9	1117.7	1070.7
22.5°	2175.9	1952.2	1766.8	1582.5	1432.7	1296.3	1194.5	1101.4	1034.2	971.8	921.8
25°	2027.1	1819.7	1636.3	1453.8	1302.1	1161.9	1049.5	966.0	899.7	864.2	820.0
27.5°	1883.0	1686.2	1495.1	1323.2	1179.2	1035.1	941.0	872.9	813.3	751.9	717.3
30°	1725.6	1546.0	1361.6	1200.3	1046.7	937.2	852.7	790.3	736.5	690.4	657.8
32.5°	1571.9	1399.1	1239.7	1071.6	936.2	829.6	782.6	735.5	676.0	634.7	612.6
35°	1417.3	1264.6	1122.5	959.3	825.8	749.0	709.6	676.0	635.7	613.6	611.7
37.5°	1280.0	1157.1	1007.3	850.8	742.3	684.7	652.0	630.9	623.2	612.6	601.1
40°	1153.2	1042.8	871.9	765.3	691.4	643.4	607.8	579.0	576.1	553.1	518.5
42.5°	1037.1	897.8	790.3	715.4	639.5	587.7	532.9	506.0	490.7	473.4	427.3
45°	912.2	790.3	717.3	637.6	579.0	527.2	470.5	436.9	411.0	384.1	347.6
47.5°	805.6	701.9	607.8	546.4	529.1	467.6	414.8	364.9	358.2	328.4	325.5
50°	711.5	599.2	511.8	492.6	462.8	404.3	358.2	334.2	296.7	325.5	297.7
52.5°	629.9	504.1	447.5	444.6	396.6	344.7	308.2	278.5	297.7	298.6	278.5
55°	543.5	432.1	400.4	389.9	335.1	287.1	274.6	265.0	279.4	271.7	260.2
57.5°	449.4	379.3	368.7	336.1	278.5	259.3	261.2	270.8	246.8	238.1	220.9
60°	367.8	331.3	328.4	286.2	252.5	251.6	258.3	248.7	213.2	206.5	187.2
62.5°	302.5	291.0	281.4	242.0	228.5	249.7	250.6	216.1	185.3	171.9	158.4
65°	250.6	251.6	239.1	228.5	227.6	249.7	230.5	187.2	165.2	150.8	136.4
67.5°	215.1	222.8	213.2	219.9	230.5	231.4	201.7	169.0	146.0	128.7	111.4
70°	192.0	202.6	212.2	219.9	231.4	201.7	177.6	149.8	123.9	104.7	88.3
72.5°	180.5	202.6	216.1	218.9	207.4	177.6	150.8	124.8	99.9	81.6	69.1
75°	174.8	205.5	212.2	204.5	178.6	150.8	122.0	98.9	75.9	64.3	53.8
77.5°	177.6	203.6	197.8	180.5	149.8	120.0	96.0	73.9	60.5	43.2	28.8
80°	184.4	194.0	178.6	151.7	122.9	97.0	71.1	55.7	41.3	29.8	20.2
82.5°	179.6	178.6	158.4	126.8	102.7	77.8	61.5	49.0	37.4	26.9	18.2
85°	165.2	159.4	132.5	109.5	85.5	66.3	52.8	42.3	31.7	22.1	14.4
87.5°	155.6	140.2	116.2	95.1	73.9	58.6	48.0	37.4	27.8	19.2	13.4
90°	146.9	126.8	107.5	86.4	68.2	55.7	45.1	34.6	25.9	18.2	12.5
92.5°	141.2	118.1	99.9	77.8	63.4	51.9	42.3	31.7	23.0	16.3	11.5
95°	131.6	113.3	92.2	72.0	58.6	49.0	38.4	29.8	22.1	15.4	10.6
97.5°	121.0	106.6	82.6	66.3	55.7	46.1	35.5	27.8	20.2	14.4	9.6
100°	113.3	97.0	74.9	62.4	52.8	42.3	32.6	25.0	18.2	12.5	8.6
102.5°	106.6	88.3	69.1	58.6	49.0	38.4	28.8	22.1	16.3	11.5	7.7
105°	98.9	78.7	64.3	55.7	46.1	34.6	25.9	20.2	15.4	9.6	7.7
107.5°	88.3	71.1	59.5	51.9	42.3	30.7	24.0	18.2	13.4	9.6	7.7
110°	78.7	64.3	55.7	48.0	38.4	27.8	21.1	17.3	12.5	8.6	6.7



REPORT NUMBER: P210684
 CATALOG NUMBER: WPLLED-125-GL-UNV

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	
112.5°	71.1	59.5	51.9	45.1	34.6	25.9	20.2	15.4	11.5	8.6	6.7	0°
115°	67.2	57.6	49.9	43.2	33.6	25.9	21.1	16.3	12.5	10.6	8.6	2.5°
117.5°	62.4	53.8	47.1	39.4	31.7	25.9	21.1	16.3	13.4	11.5	9.6	5°
120°	57.6	49.9	44.2	36.5	28.8	24.0	19.2	15.4	12.5	10.6	9.6	7.5°
122.5°	53.8	46.1	40.3	32.6	26.9	22.1	18.2	15.4	12.5	10.6	9.6	10°
125°	50.9	43.2	36.5	30.7	25.0	20.2	16.3	14.4	11.5	10.6	9.6	12.5°
127.5°	47.1	39.4	33.6	27.8	23.0	19.2	16.3	13.4	11.5	9.6	8.6	15°
130°	44.2	36.5	30.7	25.9	21.1	17.3	15.4	13.4	11.5	9.6	8.6	17.5°
132.5°	40.3	33.6	27.8	24.0	20.2	16.3	14.4	12.5	10.6	8.6	8.6	20°
135°	36.5	30.7	25.9	22.1	18.2	16.3	13.4	11.5	9.6	8.6	7.7	22.5°
137.5°	33.6	27.8	24.0	20.2	17.3	15.4	13.4	11.5	9.6	8.6	7.7	25°
140°	30.7	25.9	21.1	18.2	16.3	14.4	13.4	11.5	9.6	8.6	7.7	27.5°
142.5°	27.8	23.0	20.2	17.3	16.3	14.4	12.5	10.6	9.6	8.6	7.7	30°
145°	25.9	21.1	18.2	17.3	15.4	14.4	12.5	10.6	9.6	8.6	7.7	32.5°
147.5°	23.0	19.2	17.3	16.3	14.4	13.4	11.5	10.6	9.6	8.6	7.7	35°
150°	20.2	18.2	16.3	15.4	14.4	13.4	11.5	10.6	9.6	8.6	7.7	37.5°
152.5°	18.2	17.3	16.3	14.4	13.4	12.5	11.5	10.6	9.6	8.6	7.7	40°
155°	17.3	16.3	15.4	14.4	13.4	12.5	11.5	10.6	9.6	8.6	7.7	42.5°
157.5°	16.3	15.4	14.4	13.4	12.5	12.5	11.5	10.6	9.6	8.6	7.7	45°
160°	15.4	14.4	14.4	13.4	12.5	12.5	11.5	10.6	9.6	8.6	7.7	47.5°
162.5°	14.4	14.4	13.4	13.4	12.5	12.5	11.5	10.6	9.6	8.6	7.7	50°
165°	14.4	13.4	13.4	13.4	12.5	12.5	11.5	10.6	9.6	8.6	7.7	52.5°
167.5°	14.4	13.4	13.4	13.4	12.5	12.5	11.5	10.6	9.6	8.6	7.7	55°
170°	14.4	13.4	13.4	13.4	12.5	12.5	11.5	10.6	8.6	8.6	7.7	57.5°
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	60°
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	62.5°
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	65°
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	67.5°
												70°
												72.5°
												75°
												77.5°
												80°
												82.5°
												85°
												87.5°
												90°
												92.5°
												95°
												97.5°
												100°
												102.5°
												105°
												107.5°
												110°

NUMBER: P210684
 NUMBER: WPLLED-125-GL-UNV

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

160°	165°	170°	175°	180°
2949.9	2949.9	2949.9	2949.9	2949.9
2615.7	2614.7	2611.9	2612.8	2615.7
2491.8	2475.5	2469.7	2467.8	2469.7
2227.8	2218.2	2210.5	2204.7	2208.6
1899.4	1880.2	1871.5	1864.8	1865.7
1643.9	1605.5	1581.5	1566.2	1564.2
1409.6	1375.1	1353.0	1338.6	1335.7
1207.0	1167.7	1143.6	1130.2	1128.3
1041.9	1007.3	990.0	974.6	972.7
890.1	866.1	853.7	839.3	839.3
774.9	733.6	713.5	704.8	706.7
687.5	675.0	667.4	658.7	661.6
632.8	621.3	608.8	603.0	607.8
602.1	594.4	600.2	588.6	593.4
602.1	615.5	605.9	592.5	587.7
570.4	561.7	570.4	558.9	556.9
511.8	467.6	438.8	419.6	415.8
381.2	387.0	363.0	358.2	357.2
330.3	321.7	300.6	294.8	291.9
299.6	281.4	268.9	265.0	263.1
273.7	265.0	283.3	283.3	280.4
268.9	254.5	247.7	243.9	239.1
231.4	218.9	194.0	185.3	182.4
194.9	168.0	155.6	149.8	147.9
157.5	142.1	135.4	133.5	131.6
140.2	124.8	119.1	118.1	116.2
119.1	104.7	99.9	99.9	99.9
96.0	83.5	80.7	80.7	79.7
74.9	69.1	68.2	69.1	68.2
60.5	56.7	54.7	53.8	51.9
43.2	37.4	34.6	31.7	30.7
15.4	10.6	9.6	10.6	10.6
13.4	10.6	10.6	10.6	10.6
12.5	10.6	10.6	10.6	10.6
9.6	8.6	8.6	8.6	8.6
8.6	7.7	7.7	7.7	7.7
8.6	7.7	7.7	7.7	7.7
8.6	7.7	7.7	7.7	7.7
7.7	7.7	6.7	6.7	6.7
7.7	6.7	6.7	6.7	6.7
6.7	6.7	5.8	5.8	5.8
6.7	5.8	4.8	4.8	4.8
6.7	5.8	4.8	4.8	4.8
5.8	4.8	3.8	3.8	3.8
5.8	4.8	3.8	2.9	2.9

CANDELA DISTRIBUTION:

160°	
112.5°	5.8
115°	7.7
117.5°	8.6
120°	8.6
122.5°	8.6
125°	7.7
127.5°	7.7
130°	7.7
132.5°	7.7
135°	6.7
137.5°	6.7
140°	6.7
142.5°	6.7
145°	6.7
147.5°	6.7
150°	6.7
152.5°	6.7
155°	6.7
157.5°	6.7
160°	6.7
162.5°	6.7
165°	6.7
167.5°	6.7
170°	5.8
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

'210684
WPLLED-125-GL-UNV

TION (continued):

165°	170°	175°	180°
4.8	3.8	1.9	1.9
5.8	4.8	3.8	4.8
6.7	4.8	4.8	5.8
6.7	4.8	4.8	4.8
6.7	4.8	4.8	4.8
6.7	4.8	3.8	3.8
5.8	4.8	2.9	3.8
5.8	3.8	2.9	2.9
5.8	3.8	2.9	1.9
4.8	3.8	1.9	1.9
4.8	3.8	1.9	1.9
4.8	2.9	1.9	1.9
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	1.0
4.8	2.9	1.9	0.0
4.8	2.9	1.9	0.0
3.8	2.9	1.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0
0.0	0.0	0.0	0.0

(END OF REPORT)