

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: McGRAW-EDISON

Report Number: P144701

Luminaire Tested: **VPL-E01-LED-E1-RW-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P144701  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33700)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: VPL-E01-LED-E1-RW-7050  
Description: VALET LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3082.1 lumens  
Efficiency: N/A  
Efficacy: 124.8 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type I - Short - Full Cutoff  
BUG Rating: B2 - U0 - G2

Input Watts (W): 24.7  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 25 FT

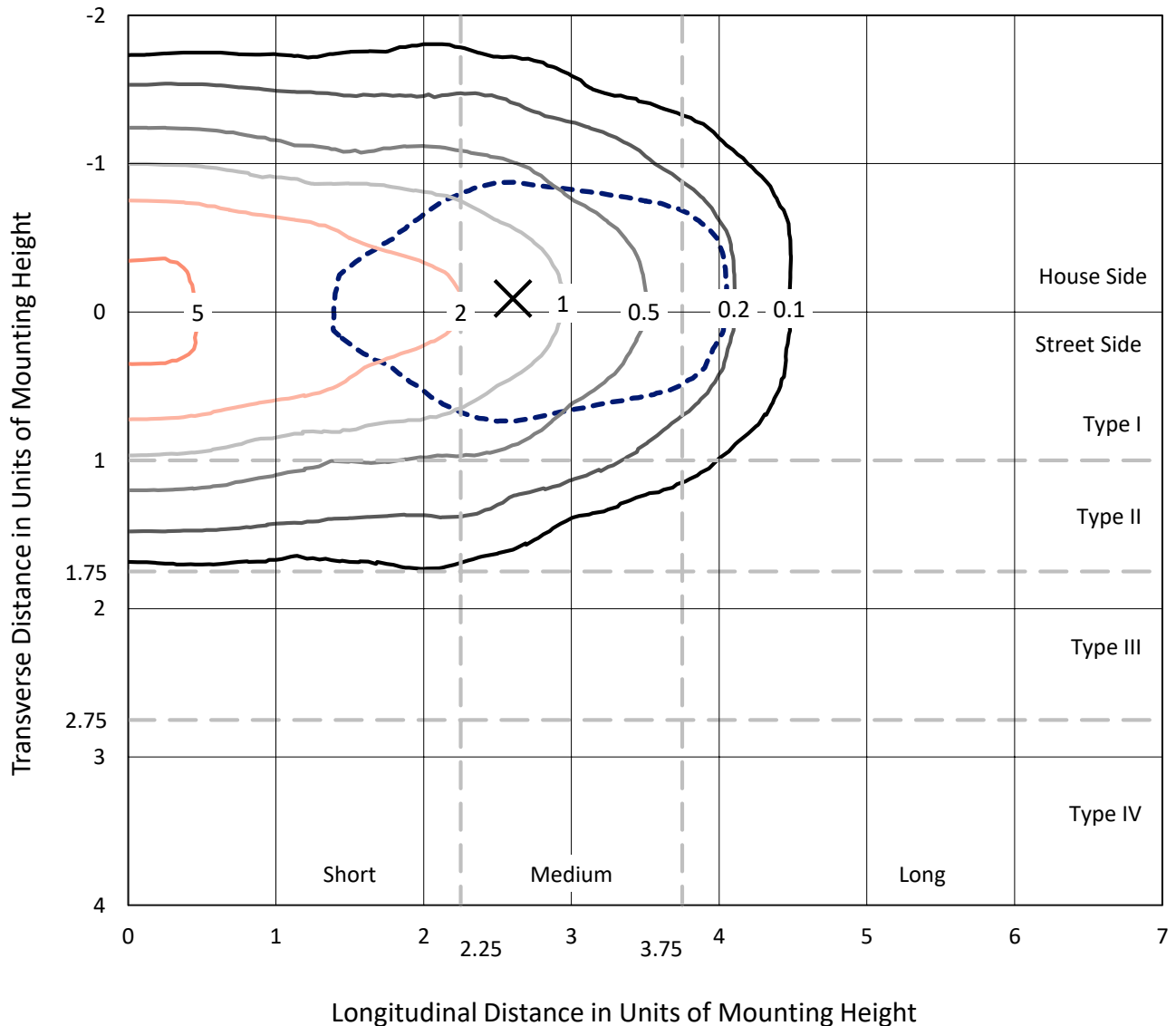


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### Iso-Footcandle Lines of Horizontal Illumination

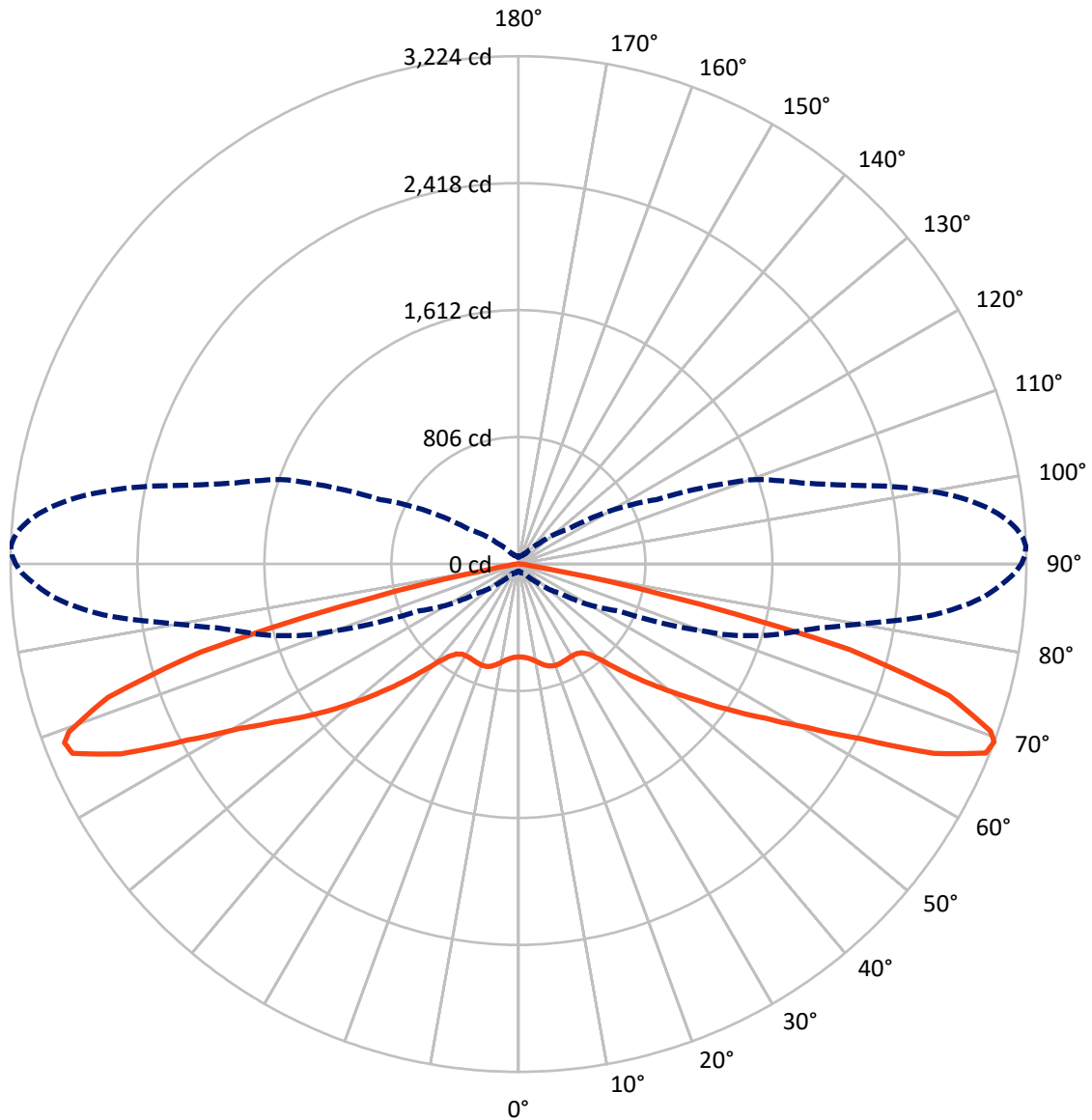
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type I - Short - Full Cutoff

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### Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

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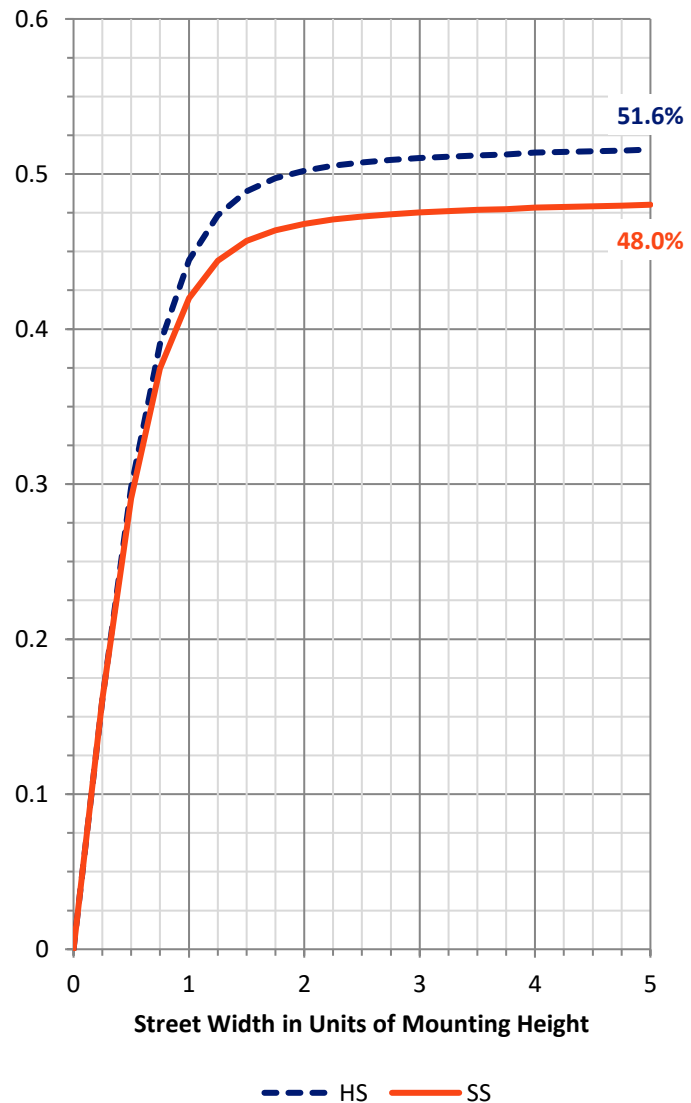
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1603.2	0.0	1603.2
	% Fixture	52.0	0.0	52.0
<b>Street Side</b>	Lumens	1478.9	0.0	1478.9
	% Fixture	48.0	0.0	48.0
<b>Total</b>	Lumens	3082.1	0.0	3082.1
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.7	1.9
10°-20°	181.9	5.9
20°-30°	294.5	9.6
30°-40°	366.9	11.9
40°-50°	456.8	14.8
50°-60°	560.5	18.2
60°-70°	691.3	22.4
70°-80°	429.7	13.9
80°-90°	42.7	1.4
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3082.1	100.0
0°-180°	3082.1	100.0



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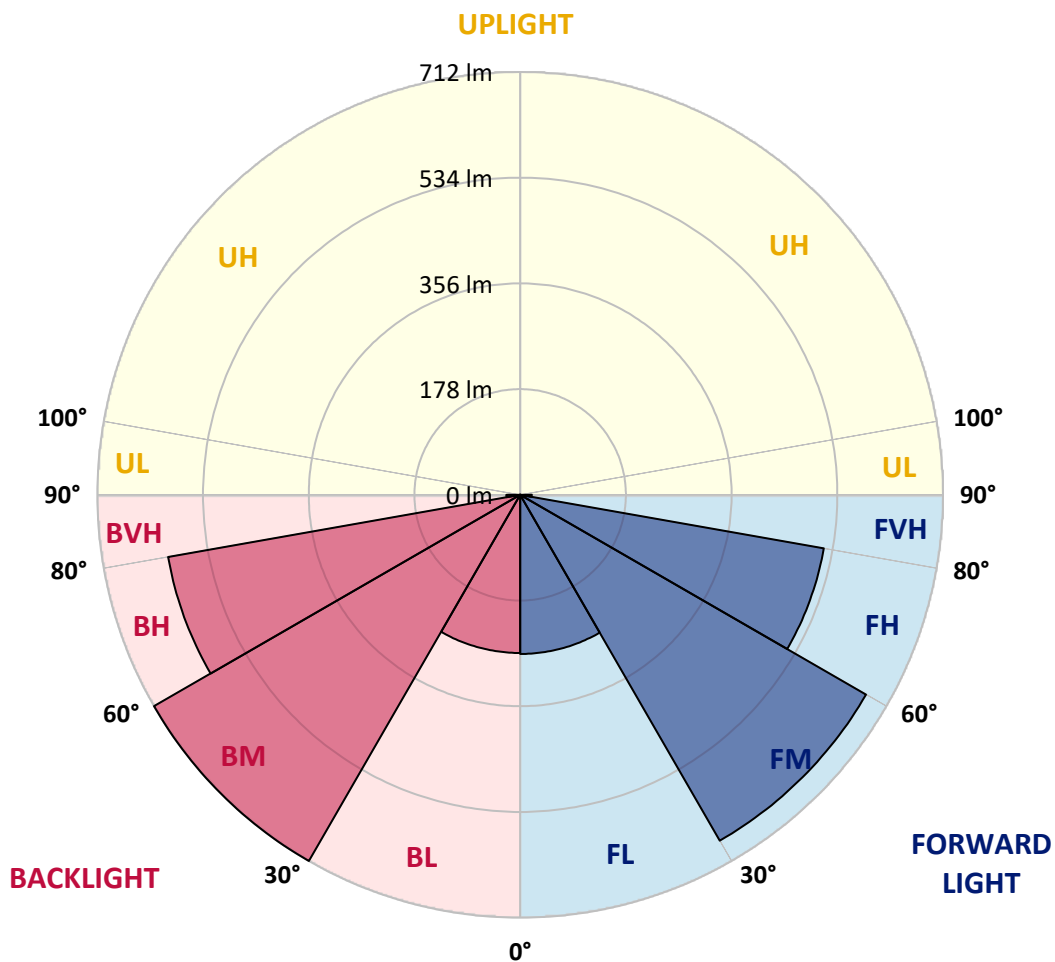
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.9	8.7			
FM	(30°-60°)	672.4	21.8			
FH	(60°-80°)	519.1	16.8			G0/660
FVH	(80°-90°)	19.5	0.6			G1/100
BL	(0°-30°)	266.2	8.6	B1/500		
BM	(30°-60°)	711.9	23.1	B1/1000		
BH	(60°-80°)	601.9	19.5	B2/1000		G2/1000
BVH	(80°-90°)	23.2	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type I Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	600.5	599.9	601.3	601.9	600.7	600.1	598.4	596.4	596.4	595.8	595.1
5°	609.1	608.1	609.5	609.9	609.3	608.9	607.5	604.8	605.2	604.6	603.4
7.5°	616.1	614.4	616.3	617.1	618.7	619.2	618.5	617.3	617.1	616.7	616.9
10°	621.6	620.2	623.1	625.3	628.2	629.6	632.1	632.9	632.9	633.3	634.1
12.5°	624.5	623.1	627.6	632.1	637.8	643.0	646.9	649.9	651.4	651.2	651.0
15°	621.8	620.8	627.2	636.6	647.7	658.1	663.7	666.6	667.8	668.2	668.2
17.5°	612.6	611.4	620.0	635.6	654.9	671.5	680.9	680.7	679.5	679.7	679.1
20°	594.1	593.7	605.0	626.7	657.1	683.2	694.3	690.0	685.2	684.4	683.6
22.5°	567.4	567.6	581.0	608.5	651.2	688.1	703.1	696.3	687.7	686.1	684.8
25°	534.2	534.8	549.0	582.4	632.5	683.8	706.6	700.8	691.0	688.9	686.9
27.5°	498.5	497.3	514.5	547.9	603.4	666.4	704.5	707.6	698.2	696.1	693.4
30°	459.1	459.7	478.0	513.5	569.7	637.4	697.5	715.2	709.2	707.8	704.7
32.5°	422.1	422.8	439.2	479.8	537.1	604.6	686.1	723.4	724.2	722.8	721.1
35°	384.2	386.6	404.5	446.8	506.1	573.4	671.3	734.3	743.1	744.1	744.5
37.5°	350.9	353.0	370.2	415.2	477.8	550.0	655.1	749.1	771.4	774.5	777.2
40°	316.5	318.3	336.4	383.1	450.0	530.9	642.8	769.0	805.3	813.7	819.4
42.5°	286.1	287.1	303.5	348.1	416.8	509.6	636.4	793.4	849.0	859.9	867.7
45°	254.7	254.7	270.3	311.7	379.9	480.0	633.9	821.1	896.0	908.3	922.5
47.5°	222.5	224.1	240.9	281.8	340.1	437.7	625.3	853.1	948.9	963.1	982.8
50°	190.9	193.7	211.2	250.0	305.0	395.9	599.0	889.8	1007.2	1026.5	1047.7
52.5°	158.4	161.5	178.1	216.5	271.1	354.4	546.9	928.8	1069.0	1093.0	1116.2
55°	126.4	126.6	143.2	180.8	235.6	321.8	486.2	955.5	1129.5	1159.1	1181.5
57.5°	91.1	93.0	108.6	143.4	200.7	290.6	433.2	953.3	1179.2	1210.6	1240.8
60°	66.7	68.3	82.3	107.3	158.6	257.8	394.6	901.1	1209.2	1250.6	1290.2
62.5°	56.4	58.5	70.0	83.5	121.5	222.5	363.7	820.9	1250.6	1305.8	1361.0
65°	51.1	52.9	65.1	72.0	95.2	186.8	344.4	761.8	1301.9	1387.5	1464.0
67.5°	47.2	49.0	59.5	64.8	81.7	167.9	337.2	747.2	1312.0	1426.7	1525.6
69°	45.1	47.0	56.2	61.6	78.6	162.5	325.1	706.8	1236.3	1369.6	1468.8
70°	43.9	45.6	54.0	59.3	77.2	157.0	306.2	649.7	1143.3	1283.5	1382.8
72.5°	40.4	41.7	48.6	53.4	70.6	123.7	227.0	442.3	834.6	964.3	1066.7
75°	35.5	37.1	42.7	47.2	54.0	72.6	142.4	254.5	499.1	592.1	688.9
77.5°	30.4	32.0	36.5	44.7	44.1	49.9	89.3	157.0	258.0	304.5	365.1
80°	26.1	27.3	31.6	42.7	36.5	39.8	67.1	122.3	168.1	182.6	194.5
82.5°	20.1	21.3	26.3	34.7	29.3	29.6	50.3	113.3	146.3	157.8	164.8
85°	12.9	13.1	19.3	23.4	20.9	17.2	31.2	82.9	109.2	117.6	118.4
87.5°	4.3	5.3	8.0	6.8	7.8	6.6	9.0	25.4	40.4	42.3	42.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°	83°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	595.1	594.9	594.9	595.1	594.9	594.7	594.5	593.7	593.3	592.9	592.9
5°	603.6	603.6	603.6	602.9	602.9	603.1	602.3	601.9	601.1	601.1	600.5
7.5°	616.3	616.7	616.3	615.9	615.5	615.5	614.6	615.0	614.8	614.4	614.4
10°	632.7	633.3	633.7	633.5	632.5	632.3	632.5	632.7	632.1	631.7	632.3
12.5°	650.6	651.4	652.0	652.0	651.6	652.6	652.0	651.8	651.8	651.6	652.0
15°	668.6	668.4	668.6	668.6	668.8	668.4	668.8	669.2	669.4	669.0	669.8
17.5°	679.5	678.9	678.9	679.1	678.5	678.5	678.5	679.3	679.3	679.7	679.5
20°	682.8	682.6	681.5	681.3	679.9	680.3	680.3	680.7	680.7	680.7	681.3
22.5°	683.2	681.3	680.1	678.9	676.8	676.6	676.6	676.4	676.4	676.6	676.8
25°	684.6	681.7	679.5	677.2	675.0	673.3	672.5	671.5	670.9	670.9	670.5
27.5°	690.8	687.3	684.0	680.9	677.2	674.8	672.5	670.7	668.8	668.0	667.0
30°	701.7	698.2	694.7	691.2	686.1	682.8	679.1	675.6	673.1	671.3	669.2
32.5°	718.5	716.2	712.3	708.4	703.9	699.0	695.7	690.4	686.7	684.4	679.9
35°	742.7	741.9	740.2	737.2	732.2	728.5	725.0	720.1	715.2	710.1	708.0
37.5°	778.0	779.6	777.4	777.2	776.4	773.1	771.4	765.5	762.2	758.1	755.0
40°	821.7	826.8	830.7	833.0	835.5	838.1	837.9	835.9	833.0	833.2	830.5
42.5°	876.3	885.3	893.7	898.5	909.3	918.0	925.3	930.1	932.1	936.6	938.7
45°	934.6	948.9	961.5	973.0	991.6	1006.0	1024.1	1037.8	1045.4	1058.9	1058.5
47.5°	999.4	1014.6	1031.4	1052.6	1070.2	1094.2	1118.9	1146.8	1163.4	1181.7	1194.4
50°	1066.7	1087.1	1107.8	1127.5	1155.0	1186.8	1219.0	1251.2	1280.4	1308.5	1328.6
52.5°	1138.2	1161.1	1182.5	1209.0	1239.7	1279.8	1315.7	1355.5	1395.3	1435.1	1461.4
55°	1208.5	1233.0	1255.5	1286.7	1324.7	1365.1	1407.8	1457.5	1507.8	1559.9	1594.2
57.5°	1269.9	1292.3	1324.1	1352.4	1394.1	1439.0	1490.7	1550.2	1612.6	1677.1	1724.3
60°	1326.5	1356.5	1389.6	1422.8	1473.3	1524.6	1590.3	1660.9	1740.5	1813.7	1886.2
62.5°	1407.6	1446.4	1497.7	1537.3	1596.2	1654.1	1731.0	1822.4	1921.3	2019.6	2095.7
65°	1529.5	1587.8	1651.6	1702.1	1771.7	1850.3	1945.1	2060.0	2187.5	2308.9	2413.6
67.5°	1609.3	1686.7	1754.6	1824.0	1901.4	1990.8	2098.2	2231.6	2377.3	2518.3	2658.2
69°	1554.3	1643.4	1720.0	1788.1	1862.8	1952.3	2070.1	2194.6	2346.3	2505.7	2653.7
70°	1468.6	1562.8	1645.9	1711.7	1785.8	1874.9	1995.6	2116.2	2269.3	2437.8	2575.1
72.5°	1155.0	1257.2	1342.8	1403.7	1477.8	1563.6	1674.2	1809.0	1966.8	2116.4	2267.3
75°	764.2	851.7	938.5	994.3	1061.6	1150.5	1236.5	1354.3	1482.9	1610.8	1703.3
77.5°	407.6	456.8	518.6	551.0	603.1	644.8	671.9	766.7	787.6	829.9	833.8
80°	193.1	184.1	180.2	170.5	178.3	176.3	164.2	170.7	167.7	158.4	156.0
82.5°	161.3	142.8	117.4	98.1	86.0	73.9	62.2	57.9	57.1	55.2	57.3
85°	118.8	112.1	91.5	69.4	55.2	41.2	35.7	32.4	31.4	30.6	31.6
87.5°	44.9	44.5	38.0	31.2	21.5	14.2	12.9	11.7	11.9	11.5	11.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





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**CANDELA DISTRIBUTION (continued):**

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	592.5	592.9	592.5	592.3	591.7	591.4	591.7	591.4	591.9	591.9	591.4
5°	600.5	600.5	600.5	600.1	599.5	599.5	599.0	598.4	599.0	598.8	598.4
7.5°	613.6	613.0	613.2	612.8	611.8	612.4	612.0	611.4	611.8	611.1	610.9
10°	631.3	631.1	631.3	630.4	630.0	630.2	629.8	629.2	629.4	630.0	628.8
12.5°	652.2	651.6	651.4	651.2	650.8	650.6	650.1	651.0	650.6	649.3	648.9
15°	668.8	669.8	669.8	669.4	669.2	669.4	668.8	669.4	668.8	668.8	668.4
17.5°	679.3	680.3	680.5	680.5	680.5	680.5	680.9	681.1	681.1	680.7	680.3
20°	681.3	682.4	682.6	683.2	683.6	683.8	684.4	684.8	685.4	685.4	685.4
22.5°	677.0	678.3	678.9	679.5	680.5	681.5	682.2	683.4	684.0	684.6	684.6
25°	670.9	671.7	672.7	674.2	675.6	676.8	678.1	679.1	680.1	681.1	681.1
27.5°	666.8	667.6	668.6	669.8	671.3	672.7	674.2	675.6	676.8	678.1	678.3
30°	667.8	668.0	668.2	669.0	670.5	671.7	673.1	674.4	675.6	676.6	676.8
32.5°	678.3	676.6	675.0	675.2	675.2	676.0	676.6	678.1	678.7	679.1	678.7
35°	702.9	697.1	696.7	695.1	692.6	692.4	692.4	691.8	691.4	691.2	690.6
37.5°	751.1	743.3	741.9	736.5	733.9	732.8	728.1	728.7	725.9	724.6	724.4
40°	825.6	822.7	820.3	814.3	807.5	808.8	804.1	799.1	793.0	794.4	793.4
42.5°	936.6	935.0	933.3	928.0	921.4	916.7	912.0	905.6	894.1	896.6	889.8
45°	1066.9	1070.0	1066.3	1063.7	1051.8	1043.3	1034.1	1023.0	1013.8	1010.1	1006.4
47.5°	1204.0	1207.1	1206.1	1199.9	1190.5	1178.6	1167.5	1156.4	1142.7	1132.6	1130.4
50°	1344.2	1343.4	1349.7	1345.2	1341.3	1321.8	1311.6	1298.2	1283.9	1277.5	1272.4
52.5°	1477.8	1500.4	1499.8	1498.9	1501.8	1483.1	1472.5	1455.6	1446.4	1442.9	1432.6
55°	1620.6	1642.2	1658.8	1664.8	1666.2	1665.4	1654.7	1648.1	1638.1	1642.4	1623.9
57.5°	1759.6	1794.2	1821.7	1836.7	1838.0	1859.1	1848.4	1852.7	1847.4	1846.0	1834.3
60°	1930.9	1971.8	2018.8	2051.8	2058.4	2098.8	2097.6	2111.3	2106.4	2102.9	2092.2
62.5°	2183.8	2231.6	2295.8	2346.1	2381.4	2404.2	2429.8	2434.3	2445.8	2439.9	2424.1
65°	2529.6	2586.8	2674.6	2743.6	2799.0	2813.4	2860.8	2875.8	2896.7	2873.1	2843.5
67.5°	2774.6	2867.6	2953.3	3026.6	3074.8	3126.1	3170.1	3194.9	3201.2	3178.9	3145.6
69°	2768.6	2875.4	2963.8	3034.0	3097.4	3154.0	3192.2	3216.2	3224.0	3206.6	3171.9
70°	2698.2	2815.2	2906.3	2982.7	3047.9	3110.3	3143.8	3169.0	3178.1	3166.4	3125.9
72.5°	2355.7	2485.4	2545.6	2645.5	2738.3	2789.8	2814.4	2839.6	2858.7	2851.1	2806.4
75°	1830.8	1904.5	1936.9	2007.9	2089.8	2117.9	2126.1	2142.1	2171.2	2169.8	2137.8
77.5°	910.0	899.3	888.6	896.0	955.3	885.3	912.6	910.4	931.9	944.0	935.2
80°	164.0	168.5	172.4	161.5	177.1	170.1	158.4	168.5	166.6	170.7	171.6
82.5°	57.1	58.1	58.5	59.9	60.1	59.5	58.7	60.7	60.5	61.0	61.0
85°	30.8	31.0	30.2	30.2	29.3	29.1	28.9	29.6	30.8	30.2	30.8
87.5°	10.5	10.3	9.4	8.6	8.0	7.4	6.8	7.2	8.0	8.4	10.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: VPL-E01-LED-E1-RW-7050

**CANDELA DISTRIBUTION (continued):**

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	591.4	591.4	591.0	590.4	589.8	589.6	589.6	589.8	589.6	589.6	589.2
5°	597.4	597.8	597.8	596.8	596.4	596.0	595.6	595.6	595.3	595.1	594.9
7.5°	609.9	609.1	610.1	608.1	608.3	607.9	607.2	607.5	606.0	606.2	606.2
10°	627.6	626.1	627.0	626.3	625.5	625.1	624.1	624.7	623.1	623.1	622.8
12.5°	648.5	646.9	647.1	646.7	646.2	644.6	644.2	644.4	643.2	642.3	641.9
15°	666.8	666.4	666.4	666.4	665.1	664.1	662.9	662.9	661.6	661.2	660.4
17.5°	679.5	679.3	678.9	678.9	677.8	676.8	676.6	676.0	675.0	673.7	673.3
20°	684.8	684.6	684.2	684.0	683.2	682.6	681.1	680.3	679.7	678.7	677.6
22.5°	684.4	683.8	683.8	683.4	681.9	681.1	679.7	678.5	677.2	676.6	675.0
25°	681.1	680.3	680.3	679.3	677.6	676.2	674.4	672.5	670.9	669.6	667.8
27.5°	677.8	676.8	676.4	674.6	672.5	670.3	668.0	665.7	663.7	662.0	661.0
30°	676.2	674.8	673.5	671.3	668.0	665.5	662.5	660.6	659.0	657.7	657.1
32.5°	677.2	675.8	673.9	671.3	667.8	664.9	662.2	660.6	659.8	659.8	660.4
35°	687.9	686.3	684.0	681.1	677.8	675.2	673.5	671.7	673.9	674.2	676.4
37.5°	721.6	719.5	715.0	713.8	707.6	706.6	706.4	705.8	707.4	710.1	713.3
40°	789.5	785.0	779.0	778.0	774.3	772.5	772.0	771.0	769.6	775.1	776.8
42.5°	883.3	884.1	876.5	873.4	874.2	867.1	872.8	873.2	869.7	868.9	867.5
45°	999.0	1000.9	1000.2	996.3	998.4	996.1	990.6	995.5	989.0	979.5	971.7
47.5°	1127.3	1128.5	1128.7	1132.0	1136.7	1135.3	1128.9	1119.3	1110.7	1094.0	1076.8
50°	1271.5	1279.1	1278.5	1280.0	1284.1	1274.6	1266.2	1252.3	1232.1	1205.9	1176.7
52.5°	1444.3	1437.0	1443.5	1438.4	1438.0	1426.7	1403.1	1383.0	1344.8	1311.2	1267.0
55°	1635.8	1627.0	1621.5	1610.2	1597.6	1575.1	1541.8	1499.6	1454.4	1410.5	1358.2
57.5°	1830.4	1818.7	1808.0	1787.7	1759.8	1720.4	1678.5	1623.9	1563.8	1501.6	1444.3
60°	2084.8	2056.7	2033.5	2005.4	1959.9	1897.7	1844.9	1766.1	1690.2	1610.8	1535.9
62.5°	2382.4	2357.4	2294.2	2252.3	2198.7	2124.7	2054.3	1949.4	1860.7	1752.8	1667.8
65°	2808.9	2748.1	2693.9	2609.8	2531.0	2433.1	2335.6	2202.4	2078.5	1957.2	1851.9
67.5°	3090.6	3031.7	2965.0	2878.6	2778.5	2667.3	2535.1	2392.1	2237.7	2100.0	1985.1
69°	3123.3	3060.3	2986.4	2892.6	2786.1	2661.9	2527.9	2380.4	2216.8	2079.7	1961.9
70°	3077.5	3008.1	2938.8	2838.8	2730.1	2599.7	2462.4	2314.7	2143.1	2014.7	1892.8
72.5°	2778.7	2719.8	2622.9	2515.0	2419.4	2270.2	2129.0	1992.3	1827.3	1695.9	1594.0
75°	2128.8	2074.6	2036.2	1937.5	1849.9	1722.4	1638.7	1486.8	1398.0	1259.0	1160.5
77.5°	975.8	966.0	991.0	967.8	929.4	890.0	874.4	803.2	742.1	707.4	656.1
80°	173.6	177.5	187.0	187.2	182.4	184.7	197.0	198.2	214.7	211.6	232.1
82.5°	61.8	61.6	62.8	62.8	63.8	65.9	73.7	86.0	101.4	118.0	139.3
85°	31.4	33.7	35.1	35.1	35.7	37.1	40.4	50.3	63.0	82.3	104.3
87.5°	10.5	12.1	13.5	14.6	14.4	14.8	15.8	18.7	27.1	37.1	50.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P144701

CATALOG NUMBER: VPL-E01-LED-E1-RW-7050

**CANDELA DISTRIBUTION (continued):**

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2	590.2
2.5°	589.0	589.4	588.8	588.8	588.6	588.2	587.1	586.3	585.3	584.7	583.2
5°	594.7	594.5	594.1	594.1	593.5	592.5	590.4	588.6	586.7	585.5	584.1
7.5°	605.4	605.6	605.4	605.0	604.0	602.7	599.0	596.0	593.9	590.8	589.2
10°	621.4	621.4	620.8	619.8	620.2	617.5	611.6	607.0	602.7	598.0	594.9
12.5°	640.5	640.7	639.5	639.5	639.5	635.6	627.2	619.2	612.6	605.2	600.1
15°	659.4	658.8	657.7	657.3	656.9	653.0	643.4	634.3	624.1	612.6	604.4
17.5°	671.9	671.7	670.0	670.0	669.0	665.9	659.0	649.5	635.4	619.4	606.8
20°	676.4	675.8	675.0	674.8	673.7	672.1	670.7	663.9	647.5	624.7	605.6
22.5°	673.7	673.1	672.1	672.3	671.9	673.1	679.3	675.8	656.1	623.7	596.4
25°	666.8	665.9	665.9	666.4	666.6	672.1	687.1	685.0	656.7	612.6	575.9
27.5°	660.4	659.8	660.0	661.4	662.7	672.5	694.3	686.1	643.8	589.0	548.8
30°	657.3	657.5	659.0	661.0	663.3	678.9	699.2	676.8	618.1	555.5	514.1
32.5°	661.4	663.7	666.4	669.2	672.9	691.8	700.4	656.5	582.4	519.0	476.7
35°	678.9	683.8	687.1	690.6	694.5	711.1	699.0	627.4	545.5	484.5	437.7
37.5°	716.6	720.1	722.4	727.3	732.0	736.7	694.1	595.6	514.3	451.1	403.5
40°	779.4	777.0	781.5	780.9	779.6	767.7	686.9	567.4	487.2	419.5	371.5
42.5°	861.5	859.5	853.3	848.4	841.8	804.9	681.5	547.9	459.5	387.9	337.8
45°	956.9	943.2	929.7	917.7	905.0	846.3	680.9	529.9	426.9	352.2	301.5
47.5°	1045.8	1027.7	1007.2	987.9	972.1	890.9	685.0	504.0	387.3	315.2	268.6
50°	1141.4	1109.6	1083.6	1057.1	1039.4	940.9	688.3	465.0	345.6	281.4	237.2
52.5°	1227.6	1194.0	1161.1	1135.5	1109.6	993.1	676.4	415.4	308.2	247.3	206.5
55°	1308.5	1270.1	1239.1	1210.4	1186.8	1049.9	635.2	371.7	272.5	213.4	171.6
57.5°	1386.5	1346.7	1313.2	1283.7	1257.0	1094.9	558.4	335.3	234.8	173.4	134.4
60°	1472.3	1426.7	1390.6	1354.7	1325.7	1115.8	481.9	301.9	194.5	131.5	98.5
62.5°	1589.8	1537.9	1496.5	1450.9	1407.4	1110.5	437.7	264.3	151.7	96.5	73.5
65°	1762.4	1697.2	1644.4	1585.1	1525.4	1084.8	409.8	225.1	113.7	74.1	63.0
67.5°	1894.8	1814.8	1747.5	1678.7	1603.2	1035.3	394.6	195.8	90.9	64.0	57.1
69°	1869.2	1790.1	1716.7	1646.3	1560.9	967.4	382.7	184.7	84.1	60.3	54.2
70°	1803.5	1723.2	1648.5	1577.9	1485.6	895.6	366.1	176.7	81.7	58.3	52.1
72.5°	1502.0	1427.9	1347.5	1270.3	1174.3	648.1	280.1	142.6	74.7	53.4	47.4
75°	1080.7	1017.1	956.7	873.2	763.2	378.4	175.1	87.4	56.8	48.4	43.1
77.5°	609.3	584.9	551.8	483.1	411.3	206.5	103.4	54.4	45.1	44.7	37.4
80°	237.9	259.0	268.0	252.0	226.2	148.8	76.5	42.7	38.2	45.8	32.2
82.5°	168.5	198.2	207.1	197.2	184.1	133.6	59.1	33.2	30.4	38.4	27.3
85°	134.4	151.7	152.7	145.9	141.6	107.1	39.2	20.7	21.5	27.1	19.7
87.5°	68.5	67.3	65.1	66.7	59.3	43.1	13.7	8.6	10.5	11.3	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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**CANDELA DISTRIBUTION (continued):**

	175°	180°
0°	590.2	590.2
2.5°	582.4	583.0
5°	583.4	583.6
7.5°	588.4	587.8
10°	593.5	592.7
12.5°	598.0	596.6
15°	600.7	598.8
17.5°	601.1	599.7
20°	596.6	594.5
22.5°	582.6	580.8
25°	560.7	557.8
27.5°	531.3	528.4
30°	496.2	492.5
32.5°	457.6	454.6
35°	419.1	417.0
37.5°	384.8	384.0
40°	352.0	350.9
42.5°	317.9	316.5
45°	283.0	281.4
47.5°	250.4	248.1
50°	218.6	217.1
52.5°	187.0	185.7
55°	151.0	149.6
57.5°	113.3	109.6
60°	80.2	78.2
62.5°	60.1	58.1
65°	52.1	50.3
67.5°	47.4	45.4
69°	44.9	43.3
70°	43.7	42.3
72.5°	40.2	39.4
75°	36.1	35.3
77.5°	31.6	30.4
80°	27.3	26.1
82.5°	21.5	20.7
85°	13.3	12.7
87.5°	7.2	6.0
90°	0.0	0.0

(END OF REPORT)