

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: P144721

Luminaire Tested: **VPL-E03-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144721
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-E03-LED-E1-RW-7050
Description: VALET LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (63) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9246.3 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

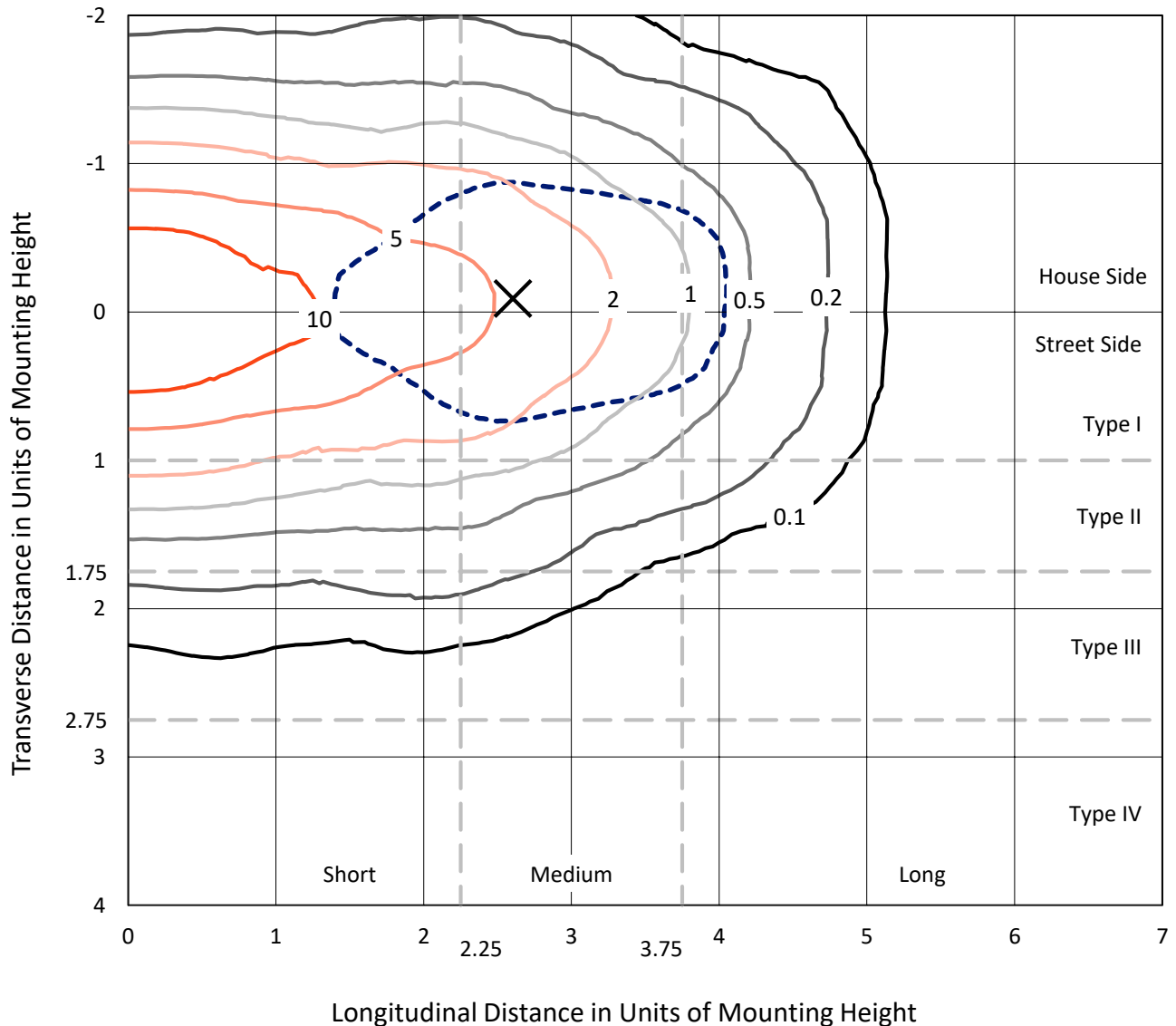
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

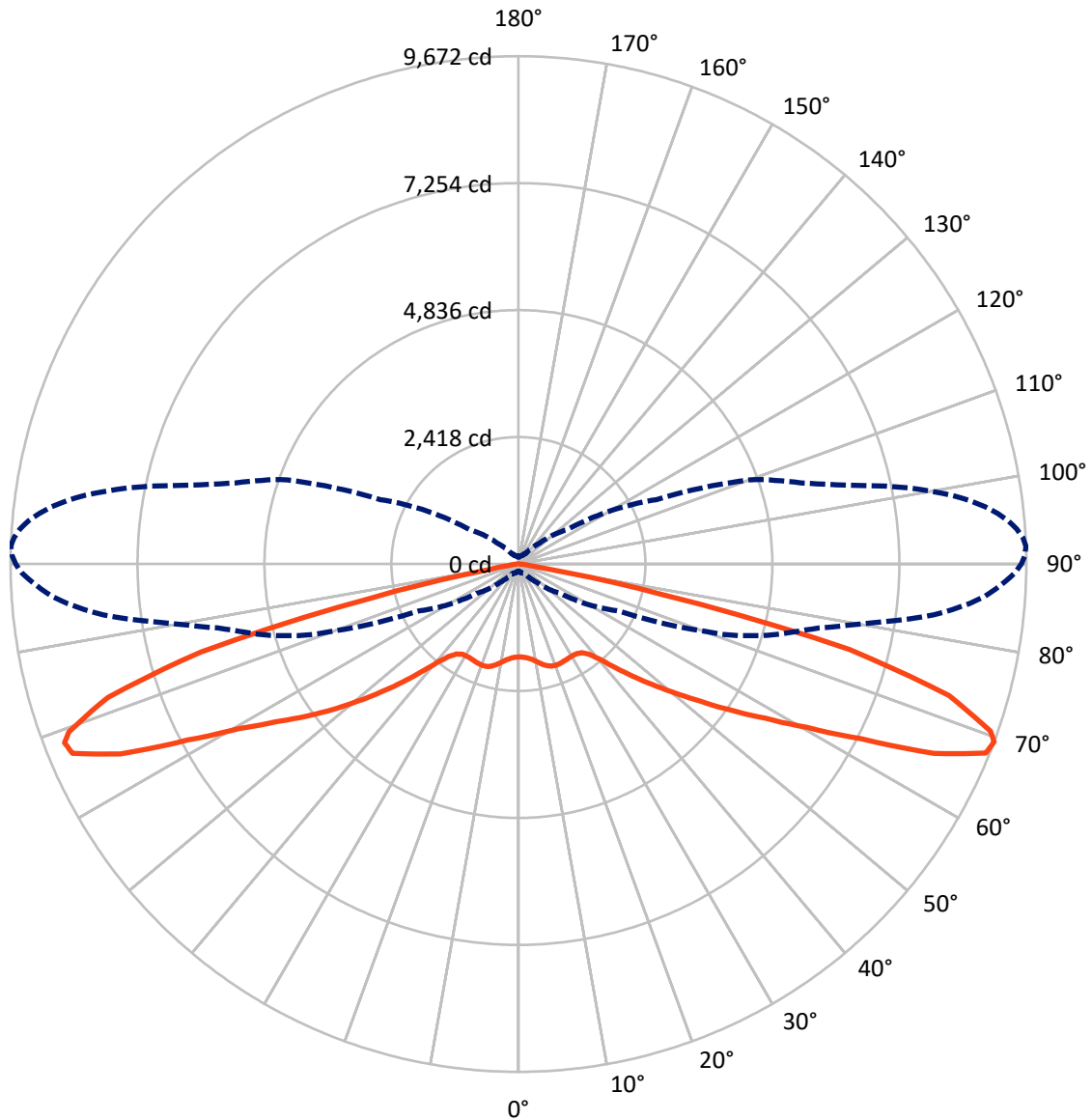
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 18.1 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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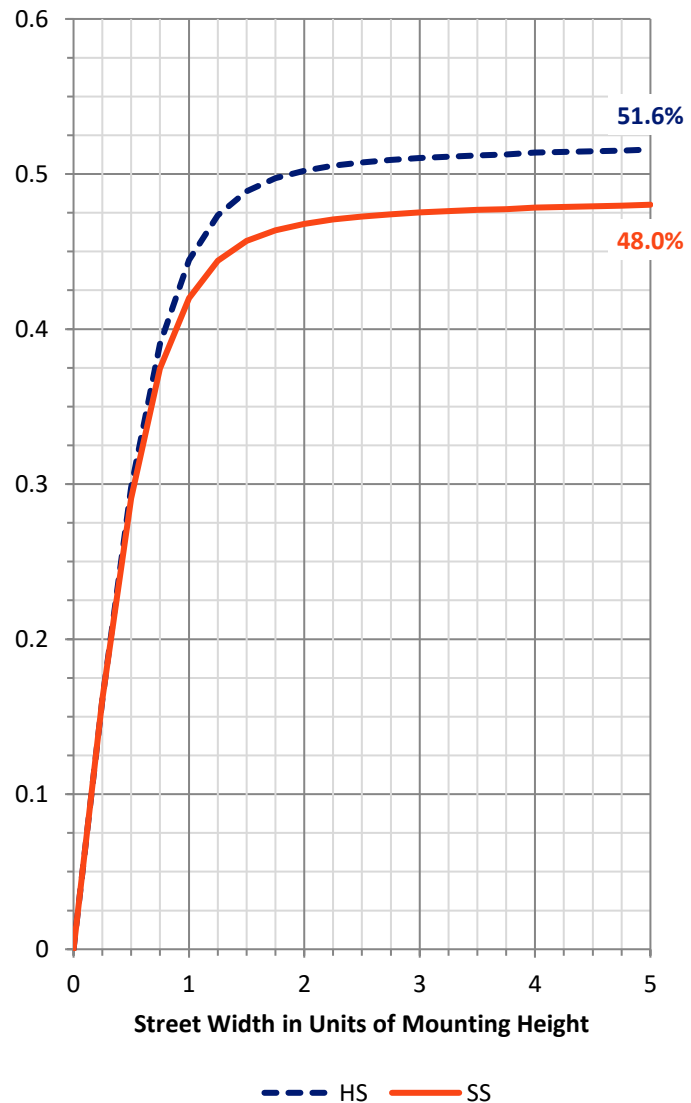
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4809.5	0.0	4809.5
	% Fixture	52.0	0.0	52.0
Street Side	Lumens	4436.7	0.0	4436.7
	% Fixture	48.0	0.0	48.0
Total	Lumens	9246.3	0.0	9246.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	173.2	1.9
10°-20°	545.6	5.9
20°-30°	883.6	9.6
30°-40°	1100.8	11.9
40°-50°	1370.4	14.8
50°-60°	1681.5	18.2
60°-70°	2073.8	22.4
70°-80°	1289.2	13.9
80°-90°	128.0	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°	9246.3	100.0
0°-180°	9246.3	100.0



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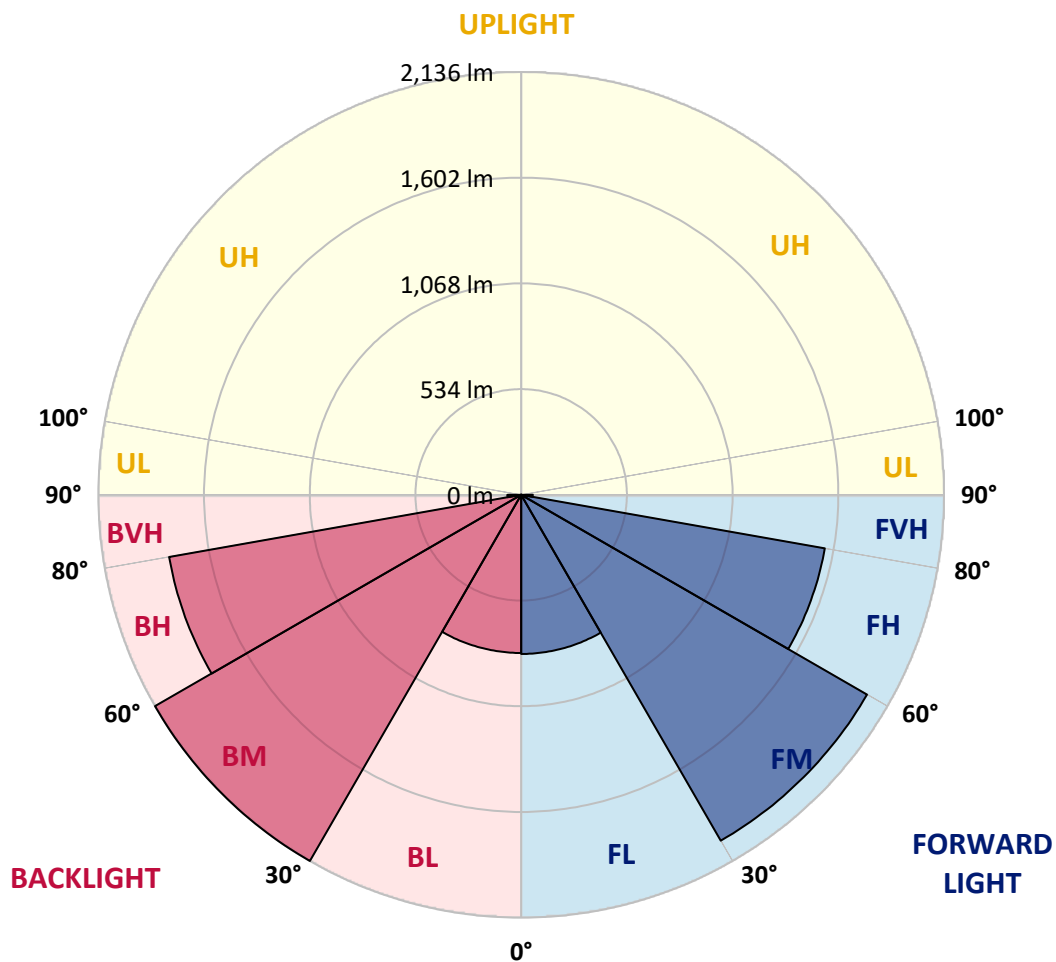
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	803.7	8.7			
FM (30°-60°)	2017.1	21.8			
FH (60°-80°)	1557.4	16.8			G1/1800
FVH (80°-90°)	58.6	0.6			G1/100
BL (0°-30°)	798.7	8.6	B2/1000		
BM (30°-60°)	2135.6	23.1	B2/2500		
BH (60°-80°)	1805.7	19.5	B3/2500		G3/2500
BVH (80°-90°)	69.5	0.8			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1801.4	1799.6	1803.9	1805.7	1802.0	1800.2	1795.3	1789.1	1789.1	1787.3	1785.4
5°	1827.3	1824.2	1828.5	1829.8	1827.9	1826.7	1822.4	1814.4	1815.6	1813.7	1810.0
7.5°	1848.2	1843.3	1848.8	1851.3	1856.2	1857.5	1855.6	1851.9	1851.3	1850.1	1850.7
10°	1864.8	1860.5	1869.2	1875.9	1884.5	1888.9	1896.2	1898.7	1898.7	1899.9	1902.4
12.5°	1873.5	1869.2	1882.7	1896.2	1913.5	1928.9	1940.6	1949.8	1954.1	1953.5	1952.9
15°	1865.5	1862.4	1881.5	1909.8	1943.0	1974.4	1991.1	1999.7	2003.4	2004.6	2004.6
17.5°	1837.8	1834.1	1859.9	1906.7	1964.6	2014.5	2042.8	2042.2	2038.5	2039.1	2037.2
20°	1782.3	1781.1	1815.0	1880.2	1971.4	2049.5	2082.8	2069.9	2055.7	2053.2	2050.8
22.5°	1702.3	1702.9	1742.9	1825.4	1953.5	2064.3	2109.3	2088.9	2063.1	2058.2	2054.5
25°	1602.6	1604.4	1646.9	1747.3	1897.5	2051.4	2119.7	2102.5	2072.9	2066.8	2060.6
27.5°	1495.4	1491.8	1543.5	1643.8	1810.0	1999.1	2113.6	2122.8	2094.5	2088.3	2080.3
30°	1377.2	1379.1	1433.9	1540.4	1709.1	1912.3	2092.6	2145.6	2127.7	2123.4	2114.2
32.5°	1266.4	1268.3	1317.5	1439.4	1611.2	1813.7	2058.2	2170.2	2172.7	2168.4	2163.4
35°	1152.5	1159.9	1213.5	1340.3	1518.2	1720.2	2013.8	2202.8	2229.3	2232.4	2233.6
37.5°	1052.8	1058.9	1110.7	1245.5	1433.3	1650.0	1965.2	2247.2	2314.3	2323.5	2331.5
40°	949.4	954.9	1009.1	1149.4	1350.1	1592.7	1928.3	2306.9	2415.9	2441.1	2458.3
42.5°	858.2	861.3	910.6	1044.2	1250.4	1528.7	1909.2	2380.2	2547.0	2579.6	2603.0
45°	764.0	764.0	810.8	935.2	1139.6	1440.0	1901.8	2463.3	2688.0	2724.9	2767.4
47.5°	667.4	672.3	722.8	845.3	1020.2	1313.2	1875.9	2559.3	2846.8	2889.3	2948.4
50°	572.6	581.2	633.5	749.9	914.9	1187.6	1797.1	2669.5	3021.7	3079.5	3143.0
52.5°	475.3	484.5	534.4	649.5	813.3	1063.3	1640.7	2786.5	3207.0	3279.0	3348.6
55°	379.2	379.9	429.7	542.4	706.8	965.4	1458.5	2866.5	3388.6	3477.3	3544.4
57.5°	273.4	278.9	325.7	430.3	602.1	871.8	1299.7	2859.8	3537.6	3631.8	3722.3
60°	200.1	205.0	246.9	322.0	475.9	773.3	1183.9	2703.4	3627.5	3751.9	3870.7
62.5°	169.3	175.5	209.9	250.6	364.5	667.4	1091.0	2462.7	3751.9	3917.5	4083.1
65°	153.3	158.8	195.2	216.1	285.7	560.3	1033.1	2285.3	3905.8	4162.5	4392.1
67.5°	141.6	147.1	178.5	194.5	245.0	503.6	1011.5	2241.6	3935.9	4280.1	4576.8
69°	135.4	141.0	168.7	184.7	235.8	487.6	975.2	2120.3	3708.8	4108.9	4406.3
70°	131.8	136.7	161.9	177.9	231.5	471.0	918.6	1949.2	3429.9	3850.4	4148.3
72.5°	121.3	125.0	145.9	160.1	211.8	371.2	680.9	1326.8	2503.9	2893.0	3200.2
75°	106.5	111.4	128.1	141.6	161.9	217.9	427.3	763.4	1497.3	1776.2	2066.8
77.5°	91.1	96.0	109.6	134.2	132.4	149.6	267.8	471.0	773.9	913.6	1095.3
80°	78.2	81.9	94.8	128.1	109.6	119.4	201.3	366.9	504.2	547.9	583.6
82.5°	60.3	64.0	78.8	104.0	88.0	88.7	150.8	339.8	439.0	473.4	494.4
85°	38.8	39.4	57.9	70.2	62.8	51.7	93.6	248.7	327.5	352.8	355.2
87.5°	12.9	16.0	24.0	20.3	23.4	19.7	27.1	76.3	121.3	126.8	127.4
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°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1785.4	1784.8	1784.8	1785.4	1784.8	1784.2	1783.6	1781.1	1779.9	1778.7	1778.7
5°	1810.7	1810.7	1810.7	1808.8	1808.8	1809.4	1807.0	1805.7	1803.3	1803.3	1801.4
7.5°	1848.8	1850.1	1848.8	1847.6	1846.4	1846.4	1843.9	1845.1	1844.5	1843.3	1843.3
10°	1898.1	1899.9	1901.2	1900.6	1897.5	1896.9	1897.5	1898.1	1896.2	1895.0	1896.9
12.5°	1951.7	1954.1	1956.0	1956.0	1954.7	1957.8	1956.0	1955.3	1955.3	1954.7	1956.0
15°	2005.8	2005.2	2005.8	2005.8	2006.4	2005.2	2006.4	2007.7	2008.3	2007.1	2009.5
17.5°	2038.5	2036.6	2036.6	2037.2	2035.4	2035.4	2035.4	2037.8	2037.8	2039.1	2038.5
20°	2048.3	2047.7	2044.6	2044.0	2039.7	2040.9	2040.9	2042.2	2042.2	2042.2	2044.0
22.5°	2049.5	2044.0	2040.3	2036.6	2030.5	2029.8	2029.8	2029.2	2029.2	2029.8	2030.5
25°	2053.9	2045.2	2038.5	2031.7	2024.9	2020.0	2017.5	2014.5	2012.6	2012.6	2011.4
27.5°	2072.3	2061.9	2052.0	2042.8	2031.7	2024.3	2017.5	2012.0	2006.4	2004.0	2000.9
30°	2105.0	2094.5	2084.0	2073.6	2058.2	2048.3	2037.2	2026.8	2019.4	2013.8	2007.7
32.5°	2155.4	2148.7	2137.0	2125.3	2111.7	2096.9	2087.1	2071.1	2060.0	2053.2	2039.7
35°	2228.1	2225.6	2220.7	2211.5	2196.7	2185.6	2175.1	2160.4	2145.6	2130.2	2124.0
37.5°	2334.0	2338.9	2332.1	2331.5	2329.1	2319.2	2314.3	2296.4	2286.6	2274.3	2265.0
40°	2465.1	2480.5	2492.2	2499.0	2506.4	2514.4	2513.8	2507.6	2499.0	2499.6	2491.6
42.5°	2628.9	2656.0	2681.2	2695.4	2728.0	2753.9	2776.0	2790.2	2796.3	2809.9	2816.0
45°	2803.7	2846.8	2884.4	2918.9	2974.9	3018.0	3072.2	3113.4	3136.2	3176.8	3175.6
47.5°	2998.3	3043.8	3094.3	3157.7	3210.7	3282.7	3356.6	3440.3	3490.2	3545.0	3583.2
50°	3200.2	3261.2	3323.4	3382.5	3465.0	3560.4	3657.0	3753.7	3841.1	3925.5	3985.8
52.5°	3414.5	3483.4	3547.5	3626.9	3719.2	3839.3	3947.0	4066.5	4185.9	4305.3	4384.1
55°	3625.6	3698.9	3766.6	3860.2	3974.1	4095.4	4223.4	4372.4	4523.3	4679.7	4782.5
57.5°	3809.7	3876.8	3972.3	4057.2	4182.2	4317.0	4472.2	4650.7	4837.9	5031.2	5172.8
60°	3979.6	4069.5	4168.7	4268.4	4419.8	4573.8	4770.8	4982.6	5221.4	5441.2	5658.6
62.5°	4222.8	4339.2	4493.1	4611.9	4788.6	4962.2	5193.1	5467.1	5763.8	6058.7	6287.2
65°	4588.5	4763.4	4954.9	5106.3	5315.0	5550.8	5835.3	6180.0	6562.4	6926.8	7240.8
67.5°	4828.0	5060.1	5263.9	5472.0	5704.1	5972.5	6294.5	6694.7	7131.8	7554.8	7974.7
69°	4663.0	4930.2	5159.9	5364.3	5588.4	5856.8	6210.2	6583.9	7038.9	7517.2	7961.1
70°	4405.7	4688.3	4937.6	5135.2	5357.5	5624.7	5986.7	6348.7	6808.0	7313.5	7725.3
72.5°	3465.0	3771.6	4028.3	4211.1	4433.4	4690.7	5022.6	5427.1	5900.5	6349.3	6801.8
75°	2292.7	2555.0	2815.4	2982.9	3184.8	3451.4	3709.4	4062.8	4448.8	4832.3	5110.0
77.5°	1222.7	1370.5	1555.8	1653.1	1809.4	1934.4	2015.7	2300.1	2362.9	2489.7	2501.4
80°	579.3	552.2	540.6	511.6	535.0	528.9	492.5	512.2	503.0	475.3	467.9
82.5°	483.9	428.5	352.2	294.3	258.0	221.6	186.5	173.6	171.2	165.6	171.8
85°	356.5	336.2	274.6	208.1	165.6	123.7	107.1	97.3	94.2	91.7	94.8
87.5°	134.8	133.6	113.9	93.6	64.6	42.5	38.8	35.1	35.7	34.5	34.5
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°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1777.4	1778.7	1777.4	1776.8	1775.0	1774.3	1775.0	1774.3	1775.6	1775.6	1774.3
5°	1801.4	1801.4	1801.4	1800.2	1798.4	1798.4	1797.1	1795.3	1797.1	1796.5	1795.3
7.5°	1840.8	1839.0	1839.6	1838.4	1835.3	1837.1	1835.9	1834.1	1835.3	1833.4	1832.8
10°	1893.8	1893.2	1893.8	1891.3	1890.1	1890.7	1889.5	1887.6	1888.2	1890.1	1886.4
12.5°	1956.6	1954.7	1954.1	1953.5	1952.3	1951.7	1950.4	1952.9	1951.7	1948.0	1946.7
15°	2006.4	2009.5	2009.5	2008.3	2007.7	2008.3	2006.4	2008.3	2006.4	2006.4	2005.2
17.5°	2037.8	2040.9	2041.5	2041.5	2041.5	2041.5	2042.8	2043.4	2043.4	2042.2	2040.9
20°	2044.0	2047.1	2047.7	2049.5	2050.8	2051.4	2053.2	2054.5	2056.3	2056.3	2056.3
22.5°	2031.1	2034.8	2036.6	2038.5	2041.5	2044.6	2046.5	2050.2	2052.0	2053.9	2053.9
25°	2012.6	2015.1	2018.1	2022.5	2026.8	2030.5	2034.2	2037.2	2040.3	2043.4	2043.4
27.5°	2000.3	2002.8	2005.8	2009.5	2013.8	2018.1	2022.5	2026.8	2030.5	2034.2	2034.8
30°	2003.4	2004.0	2004.6	2007.1	2011.4	2015.1	2019.4	2023.1	2026.8	2029.8	2030.5
32.5°	2034.8	2029.8	2024.9	2025.5	2025.5	2028.0	2029.8	2034.2	2036.0	2037.2	2036.0
35°	2108.6	2091.4	2090.2	2085.3	2077.9	2077.2	2077.2	2075.4	2074.2	2073.6	2071.7
37.5°	2253.3	2229.9	2225.6	2209.6	2201.6	2198.5	2184.4	2186.2	2177.6	2173.9	2173.3
40°	2476.8	2468.2	2460.8	2443.0	2422.6	2426.3	2412.2	2397.4	2378.9	2383.2	2380.2
42.5°	2809.9	2805.0	2800.0	2784.0	2764.3	2750.2	2736.0	2716.9	2682.4	2689.8	2669.5
45°	3200.8	3210.1	3199.0	3191.0	3155.3	3130.0	3102.3	3069.1	3041.4	3030.3	3019.2
47.5°	3612.1	3621.3	3618.3	3599.8	3571.5	3535.8	3502.5	3469.3	3428.0	3397.8	3391.1
50°	4032.6	4030.1	4049.2	4035.7	4024.0	3965.5	3934.7	3894.7	3851.6	3832.5	3817.1
52.5°	4433.4	4501.1	4499.3	4496.8	4505.4	4449.4	4417.4	4366.9	4339.2	4328.7	4297.9
55°	4861.9	4926.5	4976.4	4994.3	4998.6	4996.1	4964.1	4944.4	4914.2	4927.2	4871.7
57.5°	5278.7	5382.7	5465.2	5510.2	5513.9	5577.3	5545.3	5558.2	5542.2	5537.9	5502.8
60°	5792.8	5915.3	6056.3	6155.4	6175.1	6296.4	6292.7	6333.9	6319.2	6308.7	6276.7
62.5°	6551.3	6694.7	6887.4	7038.3	7144.2	7212.5	7289.5	7303.0	7337.5	7319.6	7272.2
65°	7588.7	7760.4	8023.9	8230.8	8397.0	8440.1	8582.3	8627.3	8690.1	8619.3	8530.6
67.5°	8323.8	8602.7	8860.0	9079.8	9224.5	9378.4	9510.2	9584.6	9603.7	9536.6	9436.9
69°	8305.9	8626.1	8891.4	9102.0	9292.2	9462.1	9576.6	9648.7	9672.1	9619.7	9515.7
70°	8094.7	8445.7	8719.0	8948.0	9143.8	9331.0	9431.3	9507.1	9534.2	9499.1	9377.8
72.5°	7067.2	7456.3	7636.7	7936.5	8214.8	8369.3	8443.2	8518.9	8576.2	8553.4	8419.2
75°	5492.3	5713.4	5810.6	6023.6	6269.3	6353.6	6378.3	6426.3	6513.7	6509.4	6413.4
77.5°	2729.9	2697.8	2665.8	2688.0	2865.9	2656.0	2737.9	2731.1	2795.7	2832.1	2805.6
80°	491.9	505.5	517.2	484.5	531.3	510.4	475.3	505.5	499.9	512.2	514.7
82.5°	171.2	174.2	175.5	179.8	180.4	178.5	176.1	182.2	181.6	182.9	182.9
85°	92.3	93.0	90.5	90.5	88.0	87.4	86.8	88.7	92.3	90.5	92.3
87.5°	31.4	30.8	28.3	25.9	24.0	22.2	20.3	21.5	24.0	25.2	30.2
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1774.3	1774.3	1773.1	1771.3	1769.4	1768.8	1768.8	1769.4	1768.8	1768.8	1767.6
5°	1792.2	1793.4	1793.4	1790.3	1789.1	1787.9	1786.7	1786.7	1786.0	1785.4	1784.8
7.5°	1829.8	1827.3	1830.4	1824.2	1824.8	1823.6	1821.7	1822.4	1818.1	1818.7	1818.7
10°	1882.7	1878.4	1880.9	1879.0	1876.5	1875.3	1872.2	1874.1	1869.2	1869.2	1868.5
12.5°	1945.5	1940.6	1941.2	1940.0	1938.7	1933.8	1932.6	1933.2	1929.5	1927.0	1925.8
15°	2000.3	1999.1	1999.1	1999.1	1995.4	1992.3	1988.6	1988.6	1984.9	1983.7	1981.2
17.5°	2038.5	2037.8	2036.6	2036.6	2033.5	2030.5	2029.8	2028.0	2024.9	2021.2	2020.0
20°	2054.5	2053.9	2052.6	2052.0	2049.5	2047.7	2043.4	2040.9	2039.1	2036.0	2032.9
22.5°	2053.2	2051.4	2051.4	2050.2	2045.8	2043.4	2039.1	2035.4	2031.7	2029.8	2024.9
25°	2043.4	2040.9	2040.9	2037.8	2032.9	2028.6	2023.1	2017.5	2012.6	2008.9	2003.4
27.5°	2033.5	2030.5	2029.2	2023.7	2017.5	2010.8	2004.0	1997.2	1991.1	1986.1	1983.1
30°	2028.6	2024.3	2020.6	2013.8	2004.0	1996.6	1987.4	1981.8	1976.9	1973.2	1971.4
32.5°	2031.7	2027.4	2021.8	2013.8	2003.4	1994.7	1986.7	1981.8	1979.4	1979.4	1981.2
35°	2063.7	2058.8	2052.0	2043.4	2033.5	2025.5	2020.6	2015.1	2021.8	2022.5	2029.2
37.5°	2164.7	2158.5	2145.0	2141.3	2122.8	2119.7	2119.1	2117.3	2122.2	2130.2	2140.0
40°	2368.5	2354.9	2337.1	2334.0	2322.9	2317.4	2316.1	2313.0	2308.7	2325.4	2330.3
42.5°	2649.8	2652.3	2629.5	2620.3	2622.7	2601.2	2618.4	2619.6	2609.2	2606.7	2602.4
45°	2997.0	3002.6	3000.7	2989.0	2995.2	2988.4	2971.8	2986.6	2966.9	2938.6	2915.2
47.5°	3381.8	3385.5	3386.1	3396.0	3410.2	3405.8	3386.8	3357.8	3332.0	3282.1	3230.4
50°	3814.6	3837.4	3835.6	3839.9	3852.2	3823.9	3798.6	3756.8	3696.4	3617.6	3530.2
52.5°	4333.0	4310.9	4330.6	4315.2	4314.0	4280.1	4209.3	4149.0	4034.4	3933.5	3801.1
55°	4907.5	4881.0	4864.4	4830.5	4792.9	4725.2	4625.5	4498.7	4363.2	4231.5	4074.5
57.5°	5491.1	5456.0	5424.0	5363.0	5279.3	5161.1	5035.5	4871.7	4691.4	4504.8	4333.0
60°	6254.5	6170.2	6100.6	6016.3	5879.6	5693.0	5534.8	5298.4	5070.6	4832.3	4607.6
62.5°	7147.2	7072.1	6882.5	6756.9	6596.2	6374.0	6162.8	5848.2	5582.2	5258.4	5003.5
65°	8426.6	8244.3	8081.8	7829.4	7593.0	7299.3	7006.9	6607.3	6235.4	5871.6	5555.7
67.5°	9271.9	9095.2	8895.1	8635.9	8335.5	8001.8	7605.3	7176.2	6713.2	6300.1	5955.3
69°	9369.8	9180.8	8959.1	8677.8	8358.2	7985.8	7583.7	7141.1	6650.4	6239.1	5885.7
70°	9232.5	9024.4	8816.3	8516.5	8190.2	7799.2	7387.3	6944.1	6429.4	6044.0	5678.3
72.5°	8336.1	8159.4	7868.8	7545.0	7258.1	6810.5	6386.9	5976.9	5481.9	5087.8	4781.9
75°	6386.3	6223.7	6108.6	5812.5	5549.6	5167.3	4916.1	4460.5	4193.9	3777.1	3481.6
77.5°	2927.5	2897.9	2973.0	2903.5	2788.3	2670.1	2623.3	2409.7	2226.2	2122.2	1968.3
80°	520.9	532.5	560.9	561.5	547.3	554.1	591.0	594.7	644.0	634.7	696.3
82.5°	185.3	184.7	188.4	188.4	191.5	197.6	221.0	258.0	304.1	354.0	418.0
85°	94.2	101.0	105.3	105.3	107.1	111.4	121.3	150.8	189.0	246.9	312.8
87.5°	31.4	36.3	40.6	43.7	43.1	44.3	47.4	56.0	81.3	111.4	151.5
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6	1770.6
2.5°	1767.0	1768.2	1766.3	1766.3	1765.7	1764.5	1761.4	1758.9	1755.9	1754.0	1749.7
5°	1784.2	1783.6	1782.3	1782.3	1780.5	1777.4	1771.3	1765.7	1760.2	1756.5	1752.2
7.5°	1816.2	1816.8	1816.2	1815.0	1811.9	1808.2	1797.1	1787.9	1781.7	1772.5	1767.6
10°	1864.2	1864.2	1862.4	1859.3	1860.5	1852.5	1834.7	1821.1	1808.2	1794.0	1784.8
12.5°	1921.5	1922.1	1918.4	1918.4	1918.4	1906.7	1881.5	1857.5	1837.8	1815.6	1800.2
15°	1978.1	1976.3	1973.2	1972.0	1970.7	1959.0	1930.1	1903.0	1872.2	1837.8	1813.1
17.5°	2015.7	2015.1	2010.1	2010.1	2007.1	1997.8	1976.9	1948.6	1906.1	1858.1	1820.5
20°	2029.2	2027.4	2024.9	2024.3	2021.2	2016.3	2012.0	1991.7	1942.4	1874.1	1816.8
22.5°	2021.2	2019.4	2016.3	2016.9	2015.7	2019.4	2037.8	2027.4	1968.3	1871.0	1789.1
25°	2000.3	1997.8	1997.8	1999.1	1999.7	2016.3	2061.2	2055.1	1970.1	1837.8	1727.6
27.5°	1981.2	1979.4	1980.0	1984.3	1988.0	2017.5	2082.8	2058.2	1931.3	1767.0	1646.3
30°	1972.0	1972.6	1976.9	1983.1	1989.8	2036.6	2097.6	2030.5	1854.4	1666.6	1542.2
32.5°	1984.3	1991.1	1999.1	2007.7	2018.8	2075.4	2101.3	1969.5	1747.3	1557.0	1430.2
35°	2036.6	2051.4	2061.2	2071.7	2083.4	2133.3	2096.9	1882.1	1636.4	1453.6	1313.2
37.5°	2149.9	2160.4	2167.1	2181.9	2196.1	2210.2	2082.2	1786.7	1542.9	1353.2	1210.4
40°	2338.3	2330.9	2344.4	2342.6	2338.9	2303.2	2060.6	1702.3	1461.6	1258.4	1114.4
42.5°	2584.6	2578.4	2559.9	2545.2	2525.5	2414.6	2044.6	1643.8	1378.5	1163.6	1013.4
45°	2870.8	2829.6	2789.0	2753.2	2715.1	2539.0	2042.8	1589.6	1280.6	1056.5	904.4
47.5°	3137.4	3083.2	3021.7	2963.8	2916.4	2672.6	2055.1	1512.1	1161.8	945.7	805.9
50°	3424.3	3328.9	3250.7	3171.3	3118.3	2822.8	2064.9	1395.1	1036.8	844.1	711.7
52.5°	3682.9	3581.9	3483.4	3406.5	3328.9	2979.2	2029.2	1246.1	924.7	741.9	619.4
55°	3925.5	3810.3	3717.4	3631.2	3560.4	3149.7	1905.5	1115.0	817.6	640.3	514.7
57.5°	4159.4	4040.0	3939.6	3851.0	3770.9	3284.6	1675.2	1006.0	704.3	520.2	403.3
60°	4416.8	4280.1	4171.7	4064.0	3977.2	3347.4	1445.6	905.6	583.6	394.6	295.5
62.5°	4769.5	4613.8	4489.4	4352.7	4222.2	3331.4	1313.2	793.0	455.0	289.4	220.4
65°	5287.3	5091.5	4933.3	4755.4	4576.2	3254.4	1229.5	675.4	341.1	222.3	189.0
67.5°	5684.4	5444.3	5242.4	5036.1	4809.6	3106.0	1183.9	587.3	272.7	192.1	171.2
69°	5607.5	5370.4	5150.0	4938.9	4682.7	2902.2	1148.2	554.1	252.4	181.0	162.5
70°	5410.4	5169.7	4945.6	4733.8	4456.8	2686.8	1098.3	530.1	245.0	174.8	156.4
72.5°	4506.0	4283.8	4042.4	3811.0	3522.8	1944.3	840.4	427.9	224.1	160.1	142.2
75°	3242.1	3051.2	2870.2	2619.6	2289.7	1135.3	525.2	262.3	170.5	145.3	129.3
77.5°	1827.9	1754.6	1655.5	1449.3	1233.8	619.4	310.3	163.2	135.4	134.2	112.1
80°	713.6	777.0	804.1	756.0	678.5	446.4	229.6	128.1	114.5	137.3	96.7
82.5°	505.5	594.7	621.2	591.7	552.2	400.8	177.3	99.7	91.1	115.1	81.9
85°	403.3	455.0	458.1	437.7	424.8	321.4	117.6	62.2	64.6	81.3	59.1
87.5°	205.6	201.9	195.2	200.1	177.9	129.3	41.2	25.9	31.4	33.9	32.6
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-E03-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1770.6	1770.6
2.5°	1747.3	1749.1
5°	1750.3	1750.9
7.5°	1765.1	1763.3
10°	1780.5	1778.0
12.5°	1794.0	1789.7
15°	1802.0	1796.5
17.5°	1803.3	1799.0
20°	1789.7	1783.6
22.5°	1747.9	1742.3
25°	1682.0	1673.4
27.5°	1594.0	1585.3
30°	1488.7	1477.6
32.5°	1372.9	1363.7
35°	1257.2	1251.0
37.5°	1154.4	1151.9
40°	1055.9	1052.8
42.5°	953.7	949.4
45°	849.0	844.1
47.5°	751.1	744.3
50°	655.7	651.4
52.5°	560.9	557.2
55°	453.1	448.8
57.5°	339.8	328.8
60°	240.7	234.6
62.5°	180.4	174.2
65°	156.4	150.8
67.5°	142.2	136.1
69°	134.8	129.9
70°	131.1	126.8
72.5°	120.7	118.2
75°	108.4	105.9
77.5°	94.8	91.1
80°	81.9	78.2
82.5°	64.6	62.2
85°	40.0	38.2
87.5°	21.5	17.9
90°	0.0	0.0

(END OF REPORT)