

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: P145024

Luminaire Tested: **VPL-F03-LED-E1-GL2-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P145024
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33701)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: VPL-F03-LED-E1-GL2-7030
Description: VALET LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 W/ GLARE CONTROL
Light Source: (21) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6623 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Semi-Cutoff
BUG Rating: B1 - U0 - G2

Input Watts (W): 78.3
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

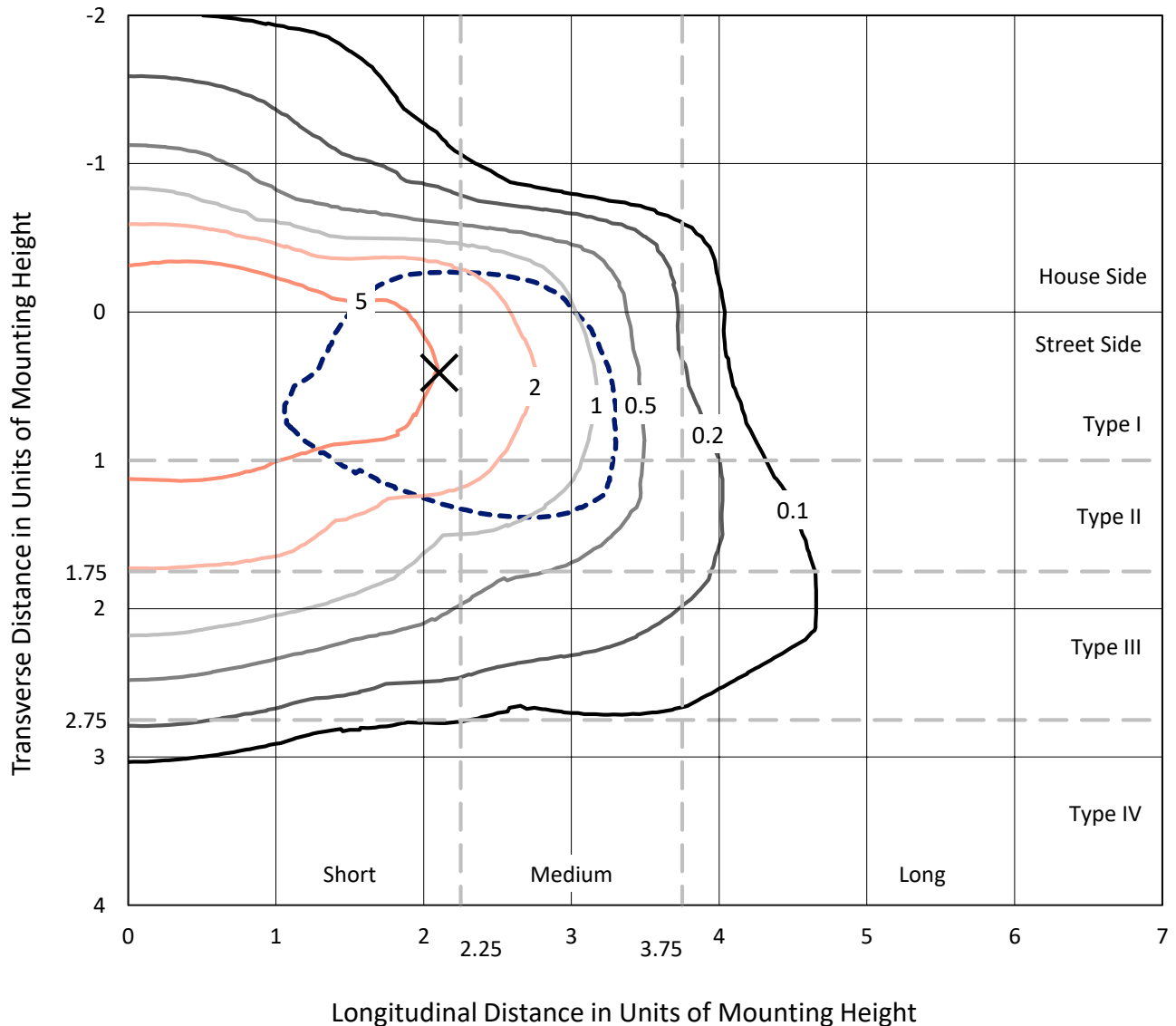


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Iso-Footcandle Lines of Horizontal Illumination

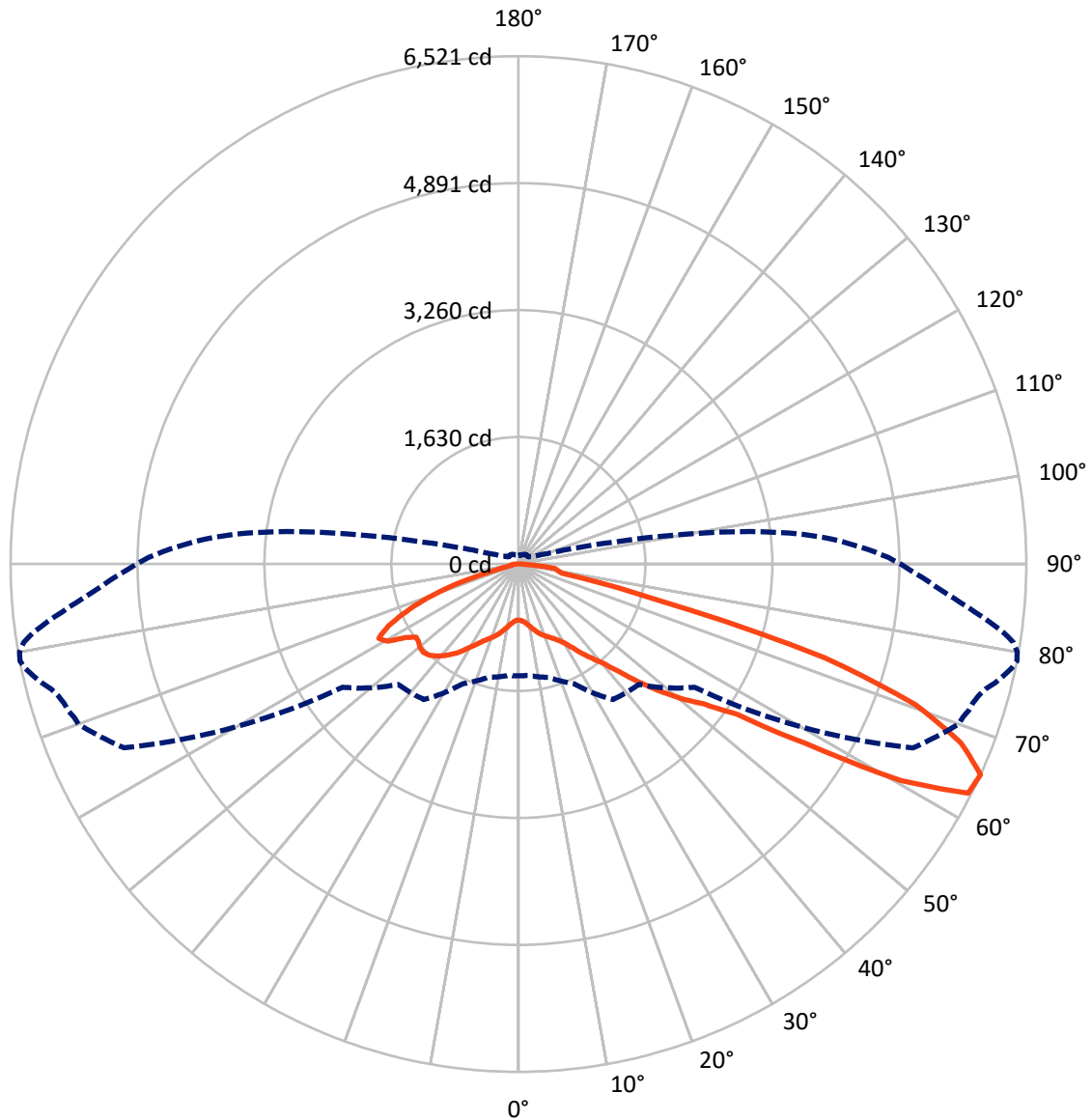
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.3 fc
 Type II - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 79-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1503.3	0.0	1503.3
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	5119.7	0.0	5119.7
	% Fixture	77.3	0.0	77.3
Total	Lumens	6623.0	0.0	6623.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.5	1.1
10°-20°	232.6	3.5
20°-30°	400.9	6.1
30°-40°	653.8	9.9
40°-50°	1091.5	16.5
50°-60°	1475.9	22.3
60°-70°	1833.6	27.7
70°-80°	734.2	11.1
80°-90°	129.0	1.9
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°	6623.0	100.0
0°-180°	6623.0	100.0



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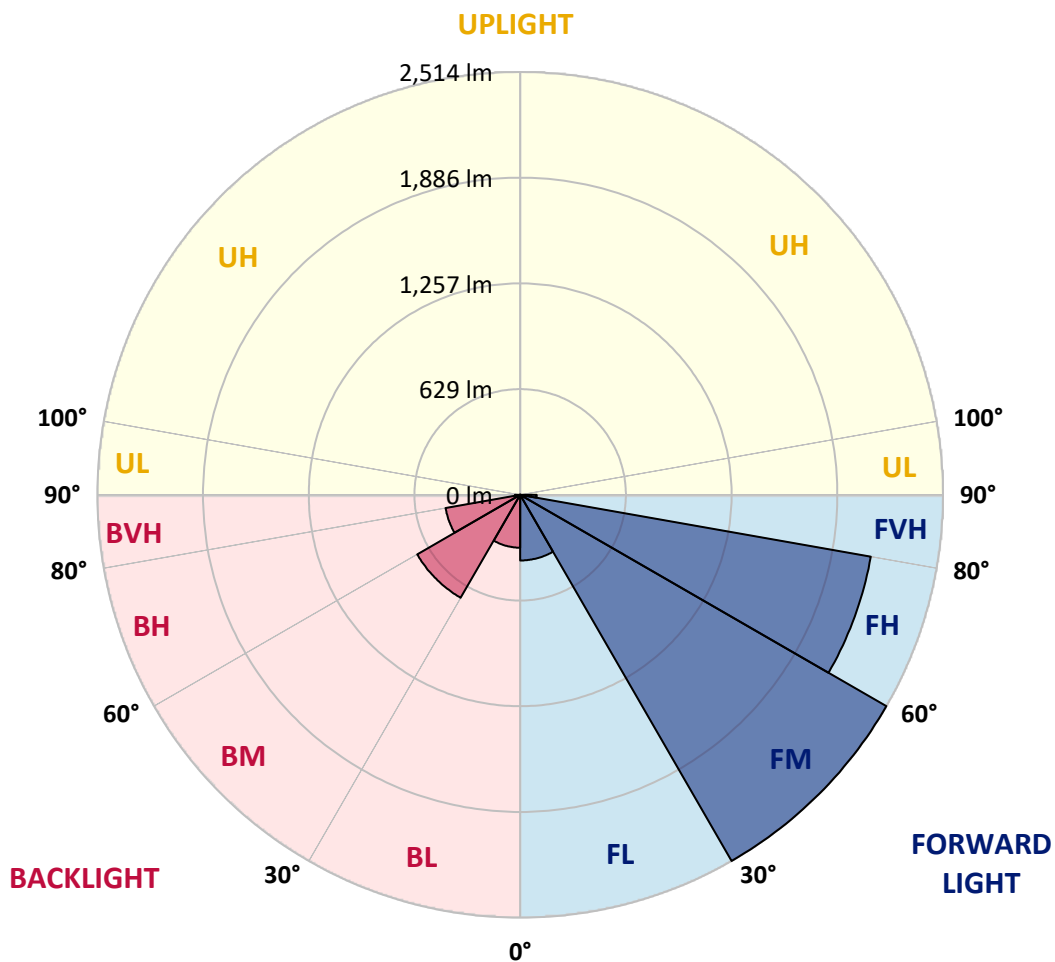
CATALOG NUMBER: VPL-F03-LED-E1-GL2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	390.5	5.9			
FM	(30°-60°)	2514.2	38.0			
FH	(60°-80°)	2117.1	32.0			G2/5000
FVH	(80°-90°)	97.9	1.5			G1/100
BL	(0°-30°)	314.4	4.7	B1/500		
BM	(30°-60°)	707.1	10.7	B1/1000		
BH	(60°-80°)	450.7	6.8	B1/500		G1/500
BVH	(80°-90°)	31.2	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	71°	72°
0°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8
2.5°	725.2	724.7	727.0	728.8	728.8	729.7	729.3	726.5	727.0	727.9	727.0
5°	733.3	731.5	733.8	736.5	738.3	740.6	742.8	743.3	745.1	745.1	744.6
7.5°	751.0	749.6	752.8	753.7	757.8	761.4	765.9	769.1	770.9	771.8	773.1
10°	781.3	780.4	781.3	783.1	784.9	789.0	796.7	803.5	807.5	807.5	809.3
12.5°	817.9	814.3	815.2	811.6	812.5	821.1	830.1	841.5	848.2	849.1	850.1
15°	846.4	844.6	843.3	838.3	841.9	853.2	867.2	883.5	889.4	894.4	893.9
17.5°	873.1	870.9	867.7	860.9	864.5	882.6	903.9	922.0	931.9	932.8	933.7
20°	904.8	902.1	896.2	882.2	881.3	906.6	935.1	954.6	963.6	967.7	969.0
22.5°	945.1	941.4	930.6	903.4	896.2	926.1	960.0	984.0	993.5	997.5	999.8
25°	996.6	989.4	972.2	929.7	914.7	946.0	986.7	1015.6	1028.7	1032.8	1035.5
27.5°	1043.2	1037.8	1017.0	966.8	941.0	972.7	1019.2	1056.3	1074.4	1079.4	1083.5
30°	1097.5	1089.8	1073.1	1019.7	985.3	1013.4	1072.6	1119.7	1141.8	1142.3	1151.3
32.5°	1225.1	1220.1	1204.7	1145.9	1088.0	1089.8	1145.0	1209.7	1231.9	1235.5	1243.6
35°	1414.2	1412.4	1411.9	1379.4	1336.4	1292.0	1296.1	1345.4	1360.4	1366.2	1369.0
37.5°	1538.6	1554.4	1592.9	1616.4	1605.6	1615.1	1565.3	1505.1	1496.5	1490.2	1492.9
40°	1645.8	1659.8	1737.7	1846.2	1912.3	1958.9	1915.0	1730.4	1661.7	1641.7	1634.1
42.5°	1709.2	1725.0	1836.3	2010.0	2178.3	2288.7	2300.4	2043.9	1869.3	1867.0	1838.1
45°	1743.5	1759.4	1892.4	2126.3	2364.2	2563.3	2666.4	2429.8	2173.3	2154.3	2114.0
47.5°	1736.7	1751.7	1890.1	2169.2	2474.2	2745.6	2951.9	2819.8	2523.9	2478.2	2422.6
50°	1654.0	1664.8	1810.0	2099.1	2444.7	2821.6	3147.3	3177.6	2920.7	2858.7	2775.4
52.5°	1568.5	1587.9	1708.2	1974.7	2311.3	2774.5	3264.0	3503.4	3291.2	3248.7	3141.9
55°	1522.3	1537.7	1635.9	1863.4	2170.6	2613.9	3312.4	3810.5	3741.3	3724.1	3648.6
57.5°	1520.5	1535.4	1613.7	1796.0	2056.1	2446.6	3326.5	4285.1	4488.2	4492.7	4471.0
60°	1594.7	1610.1	1675.7	1828.6	2020.9	2303.1	3276.3	4958.3	5407.0	5446.8	5513.4
62.5°	1605.1	1612.3	1691.5	1897.8	2149.3	2195.9	3069.5	5518.8	6038.6	6075.2	6111.9
65°	1435.9	1435.5	1505.6	1695.6	2122.6	2185.1	2758.7	5587.5	6013.2	6035.4	6081.1
67.5°	1070.8	1061.8	1101.6	1275.3	1684.3	2187.8	2390.5	5068.6	5544.6	5586.6	5602.0
70°	551.9	565.9	593.1	699.4	1069.5	1761.2	2053.4	4276.5	4867.3	4883.2	4937.9
72.5°	226.7	220.8	239.3	294.1	535.2	1164.0	1698.7	3374.9	4020.0	4009.1	4019.1
75°	126.2	128.0	133.5	153.4	260.1	584.5	1459.4	2389.1	2733.8	2546.5	2490.0
77.5°	101.3	102.2	102.7	106.3	142.1	311.7	1120.1	1573.4	1374.8	1276.7	1239.1
80°	74.2	79.2	84.6	85.5	97.7	176.9	614.4	1324.6	1160.4	1079.0	1012.0
82.5°	59.7	62.0	73.7	75.6	77.8	105.4	278.2	1244.1	1155.9	1072.6	980.3
85°	35.7	39.8	60.2	60.6	61.5	64.2	153.8	506.7	630.2	556.9	509.9
87.5°	12.7	16.3	29.9	24.9	31.7	26.2	67.4	169.6	209.0	198.6	176.0
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°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8
2.5°	726.5	726.5	727.5	727.0	727.0	727.0	727.0	726.1	726.1	724.7	725.6
5°	744.6	744.2	744.6	745.1	744.6	745.5	745.1	744.6	745.1	744.6	745.1
7.5°	773.6	771.3	774.5	772.7	772.2	775.0	773.6	775.0	775.4	775.0	774.5
10°	810.2	811.6	811.6	811.6	810.7	813.4	813.9	814.8	815.2	817.0	817.0
12.5°	852.3	852.8	854.6	854.1	855.0	858.2	860.5	860.9	861.4	862.7	860.9
15°	897.6	898.5	898.5	902.5	901.2	905.7	907.1	907.1	907.5	912.9	913.4
17.5°	937.8	937.8	941.4	941.4	945.1	946.0	950.0	950.5	952.3	957.3	957.7
20°	971.7	973.6	975.8	978.5	979.9	982.6	985.3	988.0	990.3	994.4	994.8
22.5°	1003.9	1005.7	1009.3	1011.1	1014.3	1016.1	1018.3	1021.5	1025.1	1030.6	1031.9
25°	1041.0	1042.8	1046.8	1049.6	1053.2	1055.9	1060.0	1064.0	1066.3	1071.7	1075.8
27.5°	1088.0	1093.4	1098.9	1100.2	1102.9	1109.3	1114.7	1120.1	1125.1	1127.8	1132.8
30°	1156.8	1156.8	1168.1	1168.1	1173.1	1178.9	1182.6	1188.4	1197.5	1200.2	1206.5
32.5°	1249.1	1251.3	1255.4	1267.6	1276.7	1279.4	1282.1	1290.7	1296.1	1302.9	1310.6
35°	1380.7	1383.0	1385.2	1397.0	1407.4	1410.1	1412.8	1418.3	1427.3	1439.1	1435.5
37.5°	1498.8	1500.1	1507.4	1520.5	1526.4	1533.6	1535.9	1545.8	1550.8	1561.7	1562.1
40°	1640.8	1637.7	1641.7	1656.7	1665.7	1665.3	1672.5	1690.6	1694.2	1699.2	1711.9
42.5°	1839.0	1827.2	1839.9	1844.9	1858.4	1867.0	1881.5	1893.7	1902.3	1921.3	1930.4
45°	2095.0	2082.8	2093.2	2095.5	2123.5	2132.1	2153.9	2170.1	2188.7	2210.4	2216.7
47.5°	2386.8	2364.2	2351.6	2365.6	2399.1	2413.1	2434.3	2449.7	2469.2	2480.5	2476.9
50°	2724.8	2670.5	2645.2	2637.9	2661.9	2681.8	2714.8	2722.1	2731.1	2730.7	2731.1
52.5°	3101.6	3045.1	2992.1	2955.5	2951.9	2978.6	2986.7	2988.5	2985.8	2965.5	2952.8
55°	3593.8	3589.8	3534.1	3458.1	3453.1	3450.0	3402.5	3396.6	3385.7	3354.5	3311.5
57.5°	4486.9	4532.1	4495.5	4493.7	4453.8	4427.6	4340.3	4296.9	4251.2	4166.6	4099.2
60°	5519.2	5584.8	5621.0	5636.9	5714.7	5714.7	5643.2	5581.7	5507.5	5378.5	5252.8
62.5°	6140.8	6198.3	6251.7	6335.4	6434.4	6478.3	6481.9	6427.2	6333.5	6186.5	6008.7
65°	6101.5	6144.0	6208.7	6307.3	6389.2	6467.9	6520.8	6504.1	6432.6	6285.6	6092.0
67.5°	5655.9	5717.8	5801.5	5892.5	5968.5	6042.7	6128.2	6134.5	6115.5	5975.7	5800.6
70°	4968.2	5047.8	5100.8	5215.2	5249.6	5324.7	5410.7	5451.8	5421.1	5313.4	5210.7
72.5°	4036.3	4099.2	4108.2	4058.4	4075.6	4094.2	4115.0	4018.6	3981.5	3837.7	3771.6
75°	2447.5	2364.7	2295.0	2225.8	2019.0	1945.8	1833.1	1611.0	1585.6	1433.2	1327.3
77.5°	1164.0	1129.2	1066.3	960.9	820.6	686.3	569.6	462.8	423.0	348.3	296.8
80°	974.5	932.8	876.3	798.0	699.9	602.1	509.9	430.7	351.1	285.9	228.5
82.5°	893.9	821.6	741.9	674.5	605.3	538.8	476.8	405.3	363.3	293.2	239.3
85°	451.9	395.8	320.7	270.1	228.0	185.5	160.6	137.1	122.1	97.3	84.6
87.5°	151.6	124.0	92.3	78.3	70.6	60.6	55.6	52.9	51.6	45.7	40.7
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°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8
2.5°	725.6	725.6	725.6	725.6	725.2	725.2	725.2	725.2	725.2	725.2	725.6
5°	744.2	744.2	744.6	746.0	743.3	744.2	745.1	743.7	745.1	743.7	745.5
7.5°	774.0	775.4	774.5	776.3	775.4	778.1	776.3	775.0	775.9	775.9	776.3
10°	816.1	817.9	816.6	817.5	817.5	819.3	817.0	817.5	817.9	817.0	817.5
12.5°	862.7	863.6	863.2	865.9	864.5	865.9	864.5	866.3	867.2	868.1	868.1
15°	913.4	914.3	917.0	916.6	919.3	918.4	918.8	916.6	921.1	918.4	919.3
17.5°	960.0	959.5	963.2	964.5	965.0	965.4	966.8	965.0	965.4	966.8	965.9
20°	996.2	999.3	1000.2	1003.9	1006.6	1007.5	1007.0	1008.4	1010.2	1008.4	1008.4
22.5°	1034.6	1039.2	1040.5	1042.8	1045.5	1045.9	1048.7	1050.0	1050.9	1050.5	1050.9
25°	1080.8	1083.9	1087.1	1091.6	1094.8	1095.3	1097.5	1099.3	1099.8	1099.3	1102.0
27.5°	1137.3	1141.4	1145.5	1150.9	1154.5	1155.4	1160.4	1160.4	1163.1	1164.5	1165.4
30°	1210.2	1211.5	1221.9	1227.4	1226.0	1232.3	1239.1	1238.7	1241.8	1242.7	1245.0
32.5°	1316.0	1316.0	1325.1	1331.9	1339.1	1336.8	1347.2	1345.4	1350.4	1353.1	1351.8
35°	1444.5	1449.0	1455.8	1459.9	1467.6	1471.6	1478.9	1483.0	1485.2	1484.8	1479.8
37.5°	1577.1	1584.3	1587.0	1597.0	1604.6	1611.4	1612.3	1607.8	1609.6	1600.6	1597.9
40°	1728.6	1739.0	1745.3	1760.3	1759.4	1768.0	1768.9	1755.7	1753.5	1741.7	1729.5
42.5°	1940.3	1954.8	1959.8	1971.1	1962.0	1966.1	1943.5	1938.1	1920.0	1901.0	1873.4
45°	2225.8	2218.6	2221.7	2218.6	2194.6	2176.9	2158.4	2131.7	2105.0	2068.4	2029.0
47.5°	2476.9	2480.5	2457.0	2442.0	2403.1	2378.2	2344.3	2297.7	2265.1	2215.8	2163.8
50°	2720.7	2680.4	2647.4	2613.0	2578.7	2533.0	2481.8	2440.7	2393.2	2331.6	2267.9
52.5°	2918.9	2866.8	2827.0	2778.2	2731.6	2680.9	2627.5	2567.8	2505.4	2443.8	2365.1
55°	3269.9	3194.4	3143.2	3057.7	3004.8	2933.8	2892.2	2814.8	2727.9	2646.5	2562.8
57.5°	4023.2	3910.1	3851.7	3803.3	3721.0	3604.2	3530.0	3402.9	3279.0	3192.1	3052.8
60°	5157.8	5042.9	4946.0	4831.6	4705.4	4547.0	4476.5	4326.7	4149.4	4006.0	3821.8
62.5°	5864.9	5706.1	5549.1	5388.5	5261.8	5137.9	4991.7	4840.6	4665.1	4470.1	4268.8
65°	5893.4	5702.9	5515.2	5351.4	5203.0	5042.0	4904.9	4751.5	4566.9	4366.1	4157.1
67.5°	5597.5	5384.4	5183.1	5003.5	4833.9	4684.6	4541.2	4396.8	4199.1	4030.8	3816.9
70°	5008.0	4813.5	4631.2	4426.7	4296.9	4129.0	3989.2	3837.2	3695.6	3538.2	3337.8
72.5°	3678.4	3531.9	3323.8	3236.9	3167.2	2989.4	2885.4	2872.7	2782.2	2593.6	2443.8
75°	1368.0	1164.5	1102.9	1139.6	1078.5	1098.9	1091.2	1047.7	1049.6	1017.4	979.4
77.5°	267.8	248.8	233.9	238.0	221.2	214.0	229.4	224.8	216.7	219.0	215.3
80°	182.3	154.3	139.8	134.4	127.6	124.4	123.5	122.1	119.4	118.1	114.0
82.5°	179.6	133.5	105.4	90.5	85.1	82.3	80.1	79.6	78.7	78.3	79.6
85°	71.5	57.9	52.9	48.4	47.0	45.7	45.7	45.2	44.8	45.7	47.5
87.5°	34.8	29.4	26.7	24.4	23.5	23.1	23.1	23.5	24.0	25.8	29.4
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):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8
2.5°	724.7	725.2	724.3	724.7	724.3	723.4	722.9	724.3	723.8	723.4	723.4
5°	743.3	745.1	744.2	743.3	743.3	742.8	742.8	742.8	742.4	742.8	741.5
7.5°	775.4	775.0	775.0	774.0	773.1	774.0	773.6	772.2	772.7	771.8	770.4
10°	816.6	815.2	817.5	817.5	815.7	815.2	814.3	813.0	813.0	811.6	811.6
12.5°	865.4	864.1	867.2	865.0	862.3	861.8	859.1	858.2	859.6	859.1	858.2
15°	915.2	915.6	917.0	916.6	913.4	913.4	909.8	910.2	907.5	906.6	904.3
17.5°	963.6	964.1	962.7	962.7	960.4	959.1	955.0	955.5	953.7	950.0	947.3
20°	1007.0	1006.6	1003.4	1006.1	1001.6	1000.7	997.1	993.5	994.4	990.7	985.3
22.5°	1049.6	1048.7	1047.7	1046.4	1044.1	1043.2	1039.2	1038.7	1034.2	1028.7	1024.2
25°	1098.9	1098.4	1097.1	1097.5	1093.0	1093.4	1086.2	1084.4	1081.7	1075.8	1072.2
27.5°	1162.7	1162.7	1159.0	1157.7	1156.3	1154.5	1148.2	1143.7	1136.9	1130.1	1122.8
30°	1240.9	1240.0	1239.1	1235.5	1230.5	1227.8	1216.5	1209.3	1200.2	1187.5	1176.7
32.5°	1352.7	1345.0	1338.6	1330.5	1322.4	1313.8	1296.1	1283.9	1269.4	1249.1	1231.9
35°	1477.1	1464.0	1457.2	1440.4	1425.0	1407.9	1386.6	1361.7	1341.8	1315.1	1287.1
37.5°	1579.8	1569.8	1551.7	1532.7	1511.0	1478.4	1454.5	1427.8	1392.9	1363.5	1329.6
40°	1706.4	1683.8	1658.0	1626.4	1596.5	1559.9	1526.8	1488.4	1445.9	1403.3	1359.0
42.5°	1839.4	1804.6	1762.1	1725.4	1680.2	1632.2	1589.3	1537.2	1483.0	1426.0	1366.7
45°	1975.2	1932.2	1875.6	1823.6	1760.7	1700.6	1639.0	1568.0	1493.8	1417.8	1343.2
47.5°	2099.6	2036.7	1972.4	1902.3	1829.9	1752.6	1665.3	1572.1	1474.4	1374.4	1281.2
50°	2197.3	2118.6	2037.6	1956.6	1867.9	1767.5	1657.6	1535.9	1415.5	1295.7	1188.4
52.5°	2283.7	2195.5	2096.0	1995.5	1886.0	1762.5	1625.0	1481.6	1335.0	1202.5	1082.1
55°	2451.1	2340.2	2209.1	2079.7	1941.2	1785.6	1614.1	1438.6	1269.9	1125.6	997.5
57.5°	2905.7	2756.0	2552.9	2373.3	2197.7	1971.1	1729.5	1513.3	1298.4	1127.8	985.3
60°	3621.9	3378.0	3145.5	2871.8	2587.7	2276.9	1953.0	1661.7	1399.7	1185.7	1014.3
62.5°	4037.2	3779.8	3480.7	3149.1	2780.9	2402.2	2030.4	1690.2	1402.9	1169.9	979.9
65°	3925.0	3666.2	3337.3	2998.0	2606.3	2219.0	1849.8	1523.2	1244.5	1029.2	847.3
67.5°	3592.0	3321.5	3012.5	2636.1	2261.5	1902.8	1566.2	1258.6	1012.0	811.1	650.5
70°	3107.5	2866.8	2569.2	2222.2	1858.9	1536.3	1252.7	975.4	766.8	582.7	456.0
72.5°	2306.3	2093.2	1907.3	1617.3	1351.3	1098.4	867.2	678.6	499.0	377.3	290.4
75°	968.1	896.2	865.9	759.6	660.5	541.5	407.6	324.8	263.3	223.9	177.8
77.5°	234.8	234.8	220.8	206.7	190.0	171.9	152.0	135.7	127.6	120.3	114.5
80°	114.0	113.1	109.5	109.0	105.9	101.8	99.5	96.4	95.0	93.2	92.3
82.5°	80.1	79.6	78.3	80.1	79.6	81.4	82.3	82.8	82.8	83.2	83.7
85°	50.7	52.5	56.1	60.6	64.7	69.7	74.2	77.8	80.5	82.8	84.6
87.5°	32.1	36.6	39.4	46.1	52.9	60.6	69.2	72.8	76.0	76.5	73.7
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°	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8	719.8
2.5°	723.4	722.9	723.8	722.9	722.9	722.5	721.1	719.8	718.4	718.0	716.6
5°	741.0	741.0	741.9	740.1	740.6	738.8	734.7	730.2	726.1	722.5	718.4
7.5°	770.9	769.5	770.0	769.5	768.6	765.0	756.0	744.6	733.8	722.5	713.4
10°	810.7	808.0	808.0	807.1	805.7	800.7	781.7	759.1	736.5	716.1	701.2
12.5°	855.0	855.5	851.9	849.6	847.3	836.9	808.4	772.2	736.5	703.9	680.0
15°	901.2	900.7	896.6	895.3	890.3	874.9	832.0	779.0	727.9	680.0	644.2
17.5°	942.8	941.0	936.9	934.2	928.8	908.4	847.8	775.9	705.3	642.4	597.6
20°	980.8	978.5	974.9	969.9	964.5	935.1	853.7	759.6	669.5	597.6	552.4
22.5°	1020.2	1015.2	1011.1	1004.3	998.4	959.1	849.6	730.6	628.8	547.9	499.4
25°	1064.0	1058.2	1049.6	1041.4	1032.4	978.5	838.3	694.4	580.0	494.0	445.2
27.5°	1111.5	1102.9	1091.6	1081.2	1066.7	993.0	818.8	654.2	526.6	440.6	390.0
30°	1161.8	1145.9	1131.9	1116.1	1097.5	999.8	790.8	604.4	467.8	386.3	335.7
32.5°	1210.6	1189.3	1168.5	1145.5	1120.1	997.1	751.0	545.6	409.0	335.7	293.2
35°	1260.4	1229.6	1200.7	1169.4	1138.7	983.5	696.2	480.4	353.3	293.6	262.8
37.5°	1294.3	1255.9	1217.4	1179.8	1142.8	954.1	623.4	407.6	303.1	263.3	241.1
40°	1311.5	1264.4	1217.4	1170.8	1125.1	905.2	538.4	341.1	267.4	240.7	224.8
42.5°	1306.5	1248.2	1189.8	1134.6	1078.5	827.4	446.1	286.4	242.5	223.0	209.0
45°	1265.4	1195.7	1129.2	1070.8	1000.7	727.5	366.4	252.4	223.5	208.6	195.4
47.5°	1188.0	1110.2	1028.7	962.7	897.1	611.6	304.9	231.2	206.7	194.5	181.4
50°	1089.4	999.3	917.9	846.4	782.2	503.5	262.8	213.1	193.2	182.8	168.7
52.5°	980.8	884.0	809.8	734.7	671.8	420.3	233.4	193.2	180.1	169.2	157.9
55°	890.8	801.2	725.6	650.1	586.8	367.8	209.0	177.8	167.8	156.5	147.5
57.5°	866.8	764.5	682.2	610.7	545.6	335.7	191.4	163.8	157.0	148.4	138.4
60°	876.7	764.1	671.8	593.5	525.2	309.9	178.2	154.3	148.8	141.1	130.7
62.5°	841.0	722.0	628.8	545.6	480.9	277.3	168.7	149.7	146.1	135.7	124.0
65°	716.6	607.6	518.0	446.1	390.4	233.4	161.1	153.8	150.2	132.1	119.4
67.5°	545.6	454.7	382.7	328.9	288.6	193.2	159.2	167.4	160.1	133.9	118.1
70°	377.3	308.5	262.4	229.8	204.5	162.9	165.1	182.3	171.9	139.8	125.8
72.5°	239.3	200.0	177.3	165.1	152.9	137.5	163.8	180.5	166.5	140.7	125.8
75°	153.4	137.1	129.4	124.9	121.2	119.9	144.3	148.4	133.9	122.1	117.2
77.5°	108.6	105.9	104.5	104.1	104.5	107.7	119.4	111.7	97.3	97.7	100.4
80°	91.8	91.8	90.9	91.4	92.3	93.6	95.5	82.3	74.6	80.5	89.6
82.5°	84.1	85.5	86.4	87.3	88.7	86.9	81.0	62.4	60.2	78.3	87.8
85°	85.5	85.5	86.0	86.9	87.3	78.3	67.4	47.0	46.1	87.8	82.8
87.5°	73.3	72.4	69.2	67.0	63.8	53.8	44.8	26.2	27.1	54.3	57.9
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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CATALOG NUMBER: VPL-F03-LED-E1-GL2-7030

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	719.8	719.8
2.5°	716.1	716.1
5°	716.1	716.1
7.5°	710.3	708.5
10°	693.1	690.8
12.5°	666.8	664.6
15°	626.6	623.9
17.5°	576.4	571.8
20°	523.9	517.5
22.5°	471.4	466.4
25°	417.6	413.0
27.5°	364.6	360.1
30°	315.8	314.0
32.5°	279.6	277.8
35°	252.9	252.0
37.5°	234.8	233.9
40°	219.0	218.1
42.5°	204.5	203.1
45°	190.0	190.5
47.5°	175.5	175.1
50°	162.9	162.9
52.5°	152.5	152.0
55°	143.0	142.5
57.5°	133.5	133.0
60°	125.3	124.0
62.5°	117.6	116.7
65°	112.6	112.2
67.5°	109.0	107.7
70°	108.1	104.5
72.5°	105.4	100.9
75°	99.1	96.8
77.5°	87.3	84.6
80°	67.4	62.4
82.5°	56.5	48.9
85°	41.6	38.5
87.5°	30.3	24.0
90°	0.0	0.0

(END OF REPORT)