

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: P144711

Luminaire Tested: **VPL-E02-LED-E1-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P144711
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-E02-LED-E1-RW-7050
Description: VALET LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - RECTANGULAR WIDE
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6164.2 lumens
Efficiency: N/A
Efficacy: 118.3 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B3 - U0 - G3

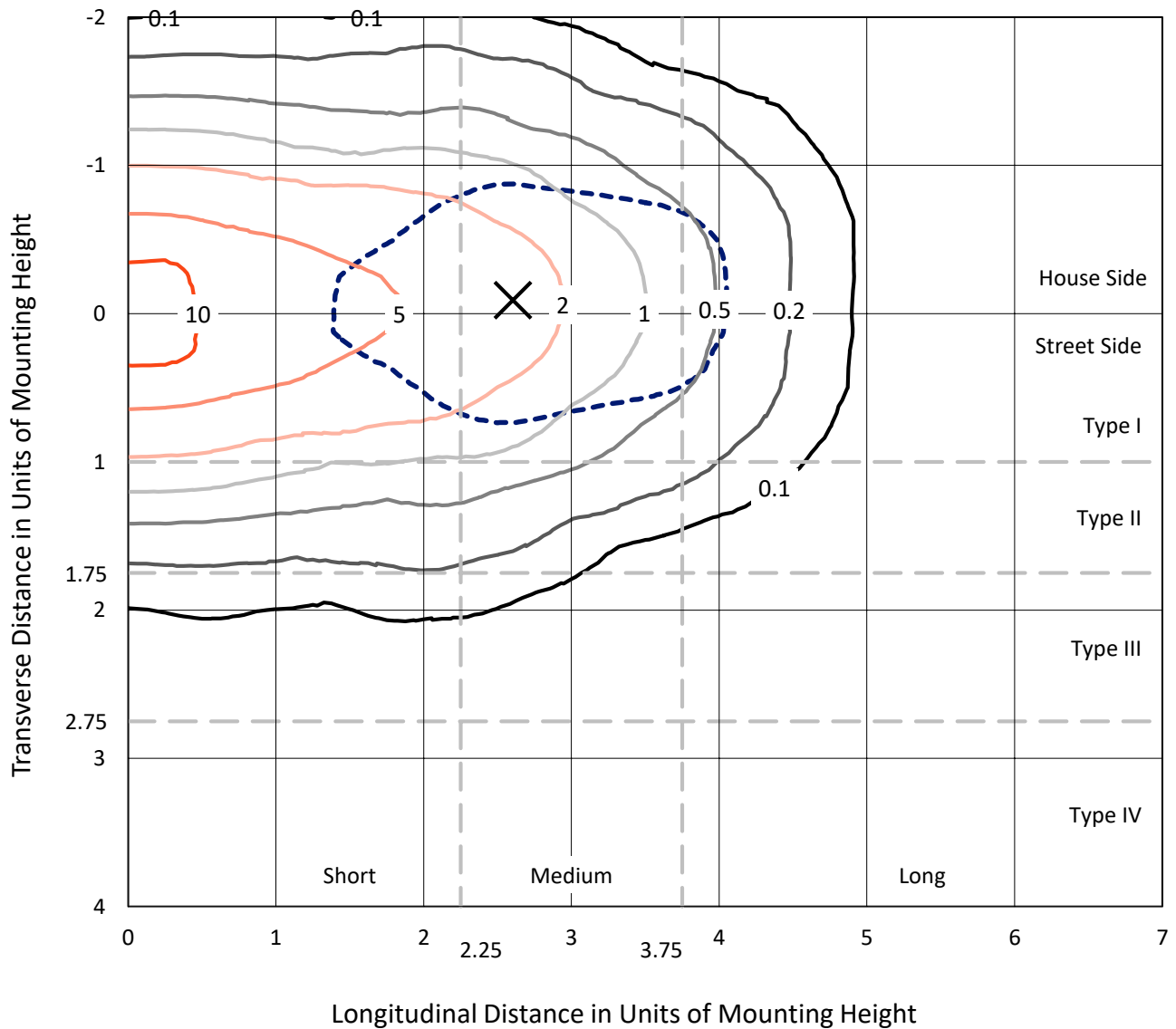
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

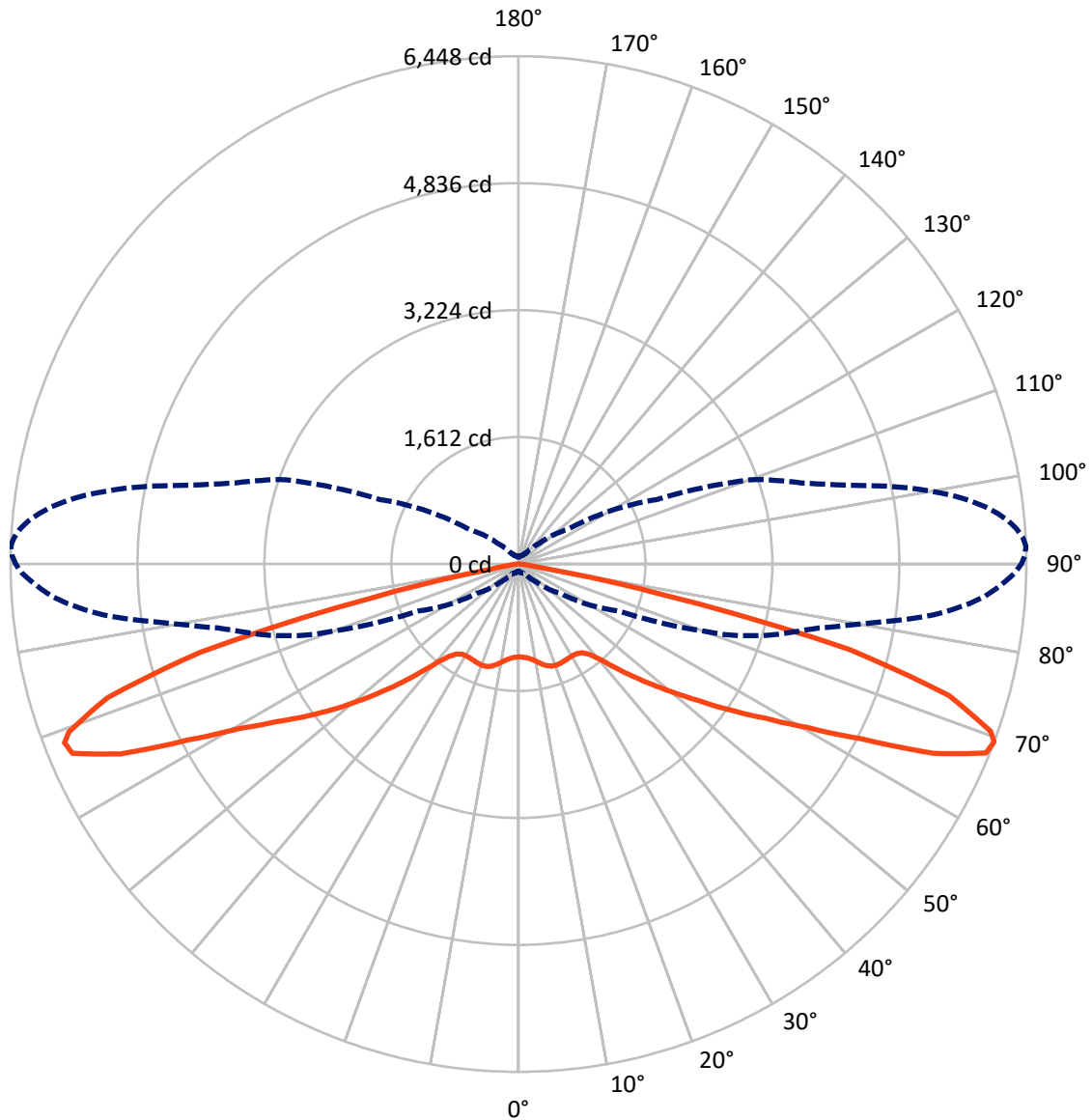


Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



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

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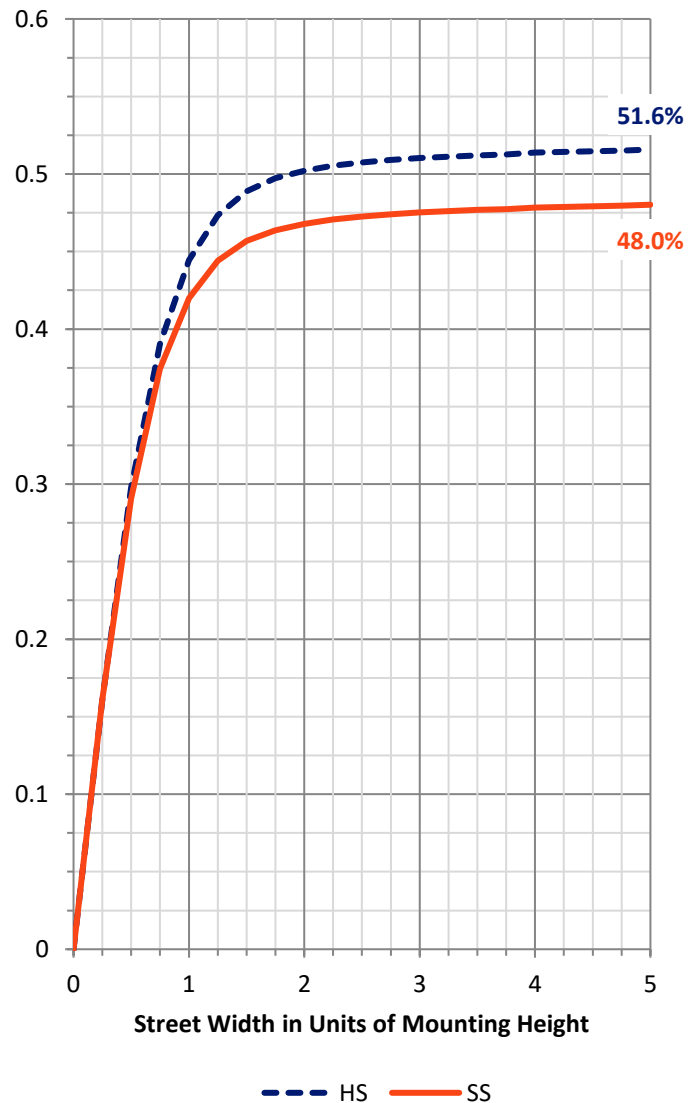
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3206.4	0.0	3206.4
	% Fixture	52.0	0.0	52.0
Street Side	Lumens	2957.8	0.0	2957.8
	% Fixture	48.0	0.0	48.0
Total	Lumens	6164.2	0.0	6164.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.9
10°-20°	363.7	5.9
20°-30°	589.1	9.6
30°-40°	733.9	11.9
40°-50°	913.6	14.8
50°-60°	1121.0	18.2
60°-70°	1382.6	22.4
70°-80°	859.5	13.9
80°-90°	85.4	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°	6164.2	100.0
0°-180°	6164.2	100.0



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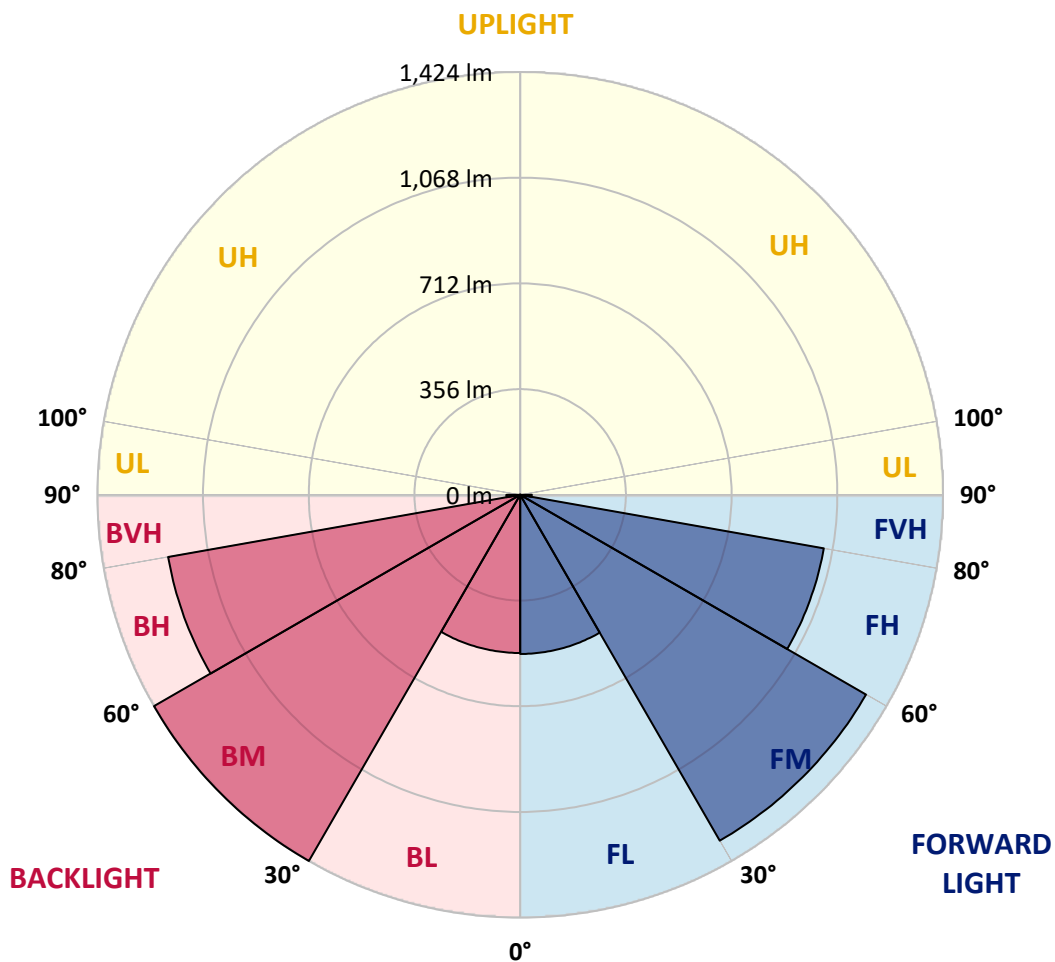
CATALOG NUMBER: VPL-E02-LED-E1-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	535.8	8.7			
FM	(30°-60°)	1344.7	21.8			
FH	(60°-80°)	1038.2	16.8			G1/1800
FVH	(80°-90°)	39.0	0.6			G1/100
BL	(0°-30°)	532.5	8.6	B2/1000		
BM	(30°-60°)	1423.7	23.1	B2/2500		
BH	(60°-80°)	1203.8	19.5	B3/2500		G3/2500
BVH	(80°-90°)	46.3	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°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1201.0	1199.7	1202.6	1203.8	1201.4	1200.1	1196.8	1192.7	1192.7	1191.5	1190.3
5°	1218.2	1216.1	1219.0	1219.8	1218.6	1217.8	1214.9	1209.6	1210.4	1209.2	1206.7
7.5°	1232.1	1228.9	1232.6	1234.2	1237.5	1238.3	1237.1	1234.6	1234.2	1233.4	1233.8
10°	1243.2	1240.4	1246.1	1250.6	1256.4	1259.2	1264.2	1265.8	1265.8	1266.6	1268.3
12.5°	1249.0	1246.1	1255.1	1264.2	1275.7	1285.9	1293.7	1299.9	1302.7	1302.3	1301.9
15°	1243.6	1241.6	1254.3	1273.2	1295.4	1316.3	1327.4	1333.1	1335.6	1336.4	1336.4
17.5°	1225.2	1222.7	1239.9	1271.1	1309.7	1343.0	1361.8	1361.4	1359.0	1359.4	1358.2
20°	1188.2	1187.4	1210.0	1253.5	1314.2	1366.4	1388.5	1379.9	1370.5	1368.8	1367.2
22.5°	1134.9	1135.3	1162.0	1217.0	1302.3	1376.2	1406.2	1392.6	1375.4	1372.1	1369.6
25°	1068.4	1069.6	1097.9	1164.8	1265.0	1367.6	1413.2	1401.7	1382.0	1377.9	1373.7
27.5°	997.0	994.5	1029.0	1095.9	1206.7	1332.7	1409.0	1415.2	1396.3	1392.2	1386.9
30°	918.2	919.4	955.9	1026.9	1139.4	1274.8	1395.1	1430.4	1418.5	1415.6	1409.5
32.5°	844.3	845.5	878.3	959.6	1074.1	1209.2	1372.1	1446.8	1448.5	1445.6	1442.3
35°	768.3	773.3	809.0	893.5	1012.2	1146.8	1342.6	1468.6	1486.2	1488.3	1489.1
37.5°	701.9	706.0	740.4	830.3	955.5	1100.0	1310.1	1498.1	1542.9	1549.0	1554.3
40°	632.9	636.6	672.7	766.3	900.1	1061.8	1285.5	1537.9	1610.6	1627.4	1638.9
42.5°	572.2	574.2	607.0	696.1	833.6	1019.1	1272.8	1586.8	1698.0	1719.8	1735.3
45°	509.4	509.4	540.6	623.5	759.7	960.0	1267.9	1642.2	1792.0	1816.6	1844.9
47.5°	444.9	448.2	481.9	563.5	680.1	875.5	1250.6	1706.2	1897.9	1926.2	1965.6
50°	381.7	387.5	422.3	499.9	609.9	791.7	1198.1	1779.7	2014.5	2053.0	2095.3
52.5°	316.9	323.0	356.3	433.0	542.2	708.8	1093.8	1857.7	2138.0	2186.0	2232.4
55°	252.8	253.2	286.5	361.6	471.2	643.6	972.3	1911.0	2259.1	2318.2	2362.9
57.5°	182.2	185.9	217.1	286.9	401.4	581.2	866.4	1906.5	2358.4	2421.2	2481.5
60°	133.4	136.7	164.6	214.7	317.3	515.5	789.3	1802.3	2418.3	2501.2	2580.4
62.5°	112.9	117.0	140.0	167.0	243.0	444.9	727.3	1641.8	2501.2	2611.6	2722.1
65°	102.2	105.9	130.1	144.1	190.4	373.5	688.7	1523.6	2603.8	2775.0	2928.1
67.5°	94.4	98.1	119.0	129.7	163.4	335.7	674.4	1494.4	2624.0	2853.4	3051.2
69°	90.3	94.0	112.5	123.1	157.2	325.1	650.1	1413.6	2472.5	2739.3	2937.5
70°	87.8	91.1	107.9	118.6	154.3	314.0	612.4	1299.5	2286.6	2566.9	2765.6
72.5°	80.9	83.3	97.3	106.7	141.2	247.5	453.9	884.5	1669.3	1928.7	2133.5
75°	71.0	74.3	85.4	94.4	107.9	145.3	284.8	508.9	998.2	1184.1	1377.9
77.5°	60.7	64.0	73.1	89.5	88.2	99.7	178.5	314.0	515.9	609.1	730.2
80°	52.1	54.6	63.2	85.4	73.1	79.6	134.2	244.6	336.2	365.3	389.1
82.5°	40.2	42.7	52.5	69.4	58.7	59.1	100.6	226.6	292.6	315.6	329.6
85°	25.9	26.3	38.6	46.8	41.9	34.5	62.4	165.8	218.4	235.2	236.8
87.5°	8.6	10.7	16.0	13.5	15.6	13.1	18.1	50.9	80.9	84.6	85.0
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°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1190.3	1189.9	1189.9	1190.3	1189.9	1189.5	1189.1	1187.4	1186.6	1185.8	1185.8
5°	1207.1	1207.1	1207.1	1205.9	1205.9	1206.3	1204.6	1203.8	1202.2	1202.2	1201.0
7.5°	1232.6	1233.4	1232.6	1231.7	1230.9	1230.9	1229.3	1230.1	1229.7	1228.9	1228.9
10°	1265.4	1266.6	1267.4	1267.0	1265.0	1264.6	1265.0	1265.4	1264.2	1263.3	1264.6
12.5°	1301.1	1302.7	1304.0	1304.0	1303.2	1305.2	1304.0	1303.6	1303.6	1303.2	1304.0
15°	1337.2	1336.8	1337.2	1337.2	1337.6	1336.8	1337.6	1338.5	1338.9	1338.0	1339.7
17.5°	1359.0	1357.7	1357.7	1358.2	1356.9	1356.9	1356.9	1358.6	1358.6	1359.4	1359.0
20°	1365.5	1365.1	1363.1	1362.7	1359.8	1360.6	1360.6	1361.4	1361.4	1361.4	1362.7
22.5°	1366.4	1362.7	1360.2	1357.7	1353.6	1353.2	1353.2	1352.8	1352.8	1353.2	1353.6
25°	1369.2	1363.5	1359.0	1354.5	1349.9	1346.7	1345.0	1343.0	1341.7	1341.7	1340.9
27.5°	1381.5	1374.6	1368.0	1361.8	1354.5	1349.5	1345.0	1341.3	1337.6	1336.0	1333.9
30°	1403.3	1396.3	1389.3	1382.4	1372.1	1365.5	1358.2	1351.2	1346.3	1342.6	1338.5
32.5°	1437.0	1432.4	1424.6	1416.8	1407.8	1398.0	1391.4	1380.7	1373.3	1368.8	1359.8
35°	1485.4	1483.7	1480.5	1474.3	1464.5	1457.1	1450.1	1440.2	1430.4	1420.1	1416.0
37.5°	1556.0	1559.3	1554.8	1554.3	1552.7	1546.1	1542.9	1530.9	1524.4	1516.2	1510.0
40°	1643.4	1653.7	1661.5	1666.0	1670.9	1676.2	1675.8	1671.7	1666.0	1666.4	1661.1
42.5°	1752.6	1770.6	1787.5	1796.9	1818.7	1835.9	1850.7	1860.1	1864.2	1873.3	1877.4
45°	1869.2	1897.9	1922.9	1945.9	1983.3	2012.0	2048.1	2075.6	2090.8	2117.9	2117.1
47.5°	1998.9	2029.2	2062.9	2105.2	2140.5	2188.5	2237.7	2293.6	2326.8	2363.3	2388.8
50°	2133.5	2174.1	2215.6	2255.0	2310.0	2373.6	2438.0	2502.5	2560.7	2617.0	2657.2
52.5°	2276.3	2322.3	2365.0	2417.9	2479.5	2559.5	2631.3	2711.0	2790.6	2870.2	2922.8
55°	2417.1	2465.9	2511.1	2573.5	2649.4	2730.3	2815.6	2915.0	3015.5	3119.8	3188.3
57.5°	2539.8	2584.6	2648.2	2704.8	2788.1	2878.0	2981.5	3100.5	3225.3	3354.1	3448.5
60°	2653.1	2713.0	2779.1	2845.6	2946.6	3049.2	3180.5	3321.7	3481.0	3627.5	3772.4
62.5°	2815.2	2892.8	2995.4	3074.6	3192.4	3308.2	3462.1	3644.7	3842.6	4039.2	4191.4
65°	3059.0	3175.6	3303.2	3404.2	3543.3	3700.5	3890.2	4120.0	4374.9	4617.9	4827.2
67.5°	3218.7	3373.4	3509.3	3648.0	3802.7	3981.7	4196.4	4463.1	4754.6	5036.5	5316.5
69°	3108.7	3286.8	3439.9	3576.2	3725.6	3904.5	4140.1	4389.3	4692.6	5011.5	5307.4
70°	2937.1	3125.5	3291.7	3423.5	3571.7	3749.8	3991.1	4232.5	4538.7	4875.6	5150.2
72.5°	2310.0	2514.4	2685.5	2807.4	2955.6	3127.2	3348.4	3618.0	3933.7	4232.9	4534.6
75°	1528.5	1703.3	1877.0	1988.6	2123.2	2300.9	2472.9	2708.5	2965.9	3221.6	3406.7
77.5°	815.1	913.6	1037.2	1102.0	1206.3	1289.6	1343.8	1533.4	1575.3	1659.8	1667.6
80°	386.2	368.2	360.4	341.1	356.7	352.6	328.4	341.5	335.3	316.9	311.9
82.5°	322.6	285.7	234.8	196.2	172.0	147.8	124.4	115.7	114.1	110.4	114.5
85°	237.6	224.1	183.1	138.7	110.4	82.5	71.4	64.8	62.8	61.2	63.2
87.5°	89.9	89.1	75.9	62.4	43.1	28.3	25.9	23.4	23.8	23.0	23.0
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):

	84°	85°	86°	87°	88°	89°	90°	91°	92°	93°	94°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1184.9	1185.8	1184.9	1184.5	1183.3	1182.9	1183.3	1182.9	1183.7	1183.7	1182.9
5°	1201.0	1201.0	1201.0	1200.1	1198.9	1198.9	1198.1	1196.8	1198.1	1197.7	1196.8
7.5°	1227.2	1226.0	1226.4	1225.6	1223.5	1224.8	1223.9	1222.7	1223.5	1222.3	1221.9
10°	1262.5	1262.1	1262.5	1260.9	1260.1	1260.5	1259.6	1258.4	1258.8	1260.1	1257.6
12.5°	1304.4	1303.2	1302.7	1302.3	1301.5	1301.1	1300.3	1301.9	1301.1	1298.6	1297.8
15°	1337.6	1339.7	1339.7	1338.9	1338.5	1338.9	1337.6	1338.9	1337.6	1337.6	1336.8
17.5°	1358.6	1360.6	1361.0	1361.0	1361.0	1361.0	1361.8	1362.3	1362.3	1361.4	1360.6
20°	1362.7	1364.7	1365.1	1366.4	1367.2	1367.6	1368.8	1369.6	1370.9	1370.9	1370.9
22.5°	1354.0	1356.5	1357.7	1359.0	1361.0	1363.1	1364.3	1366.8	1368.0	1369.2	1369.2
25°	1341.7	1343.4	1345.4	1348.3	1351.2	1353.6	1356.1	1358.2	1360.2	1362.3	1362.3
27.5°	1333.5	1335.2	1337.2	1339.7	1342.6	1345.4	1348.3	1351.2	1353.6	1356.1	1356.5
30°	1335.6	1336.0	1336.4	1338.0	1340.9	1343.4	1346.3	1348.7	1351.2	1353.2	1353.6
32.5°	1356.5	1353.2	1349.9	1350.4	1350.4	1352.0	1353.2	1356.1	1357.3	1358.2	1357.3
35°	1405.8	1394.3	1393.5	1390.2	1385.2	1384.8	1384.8	1383.6	1382.8	1382.4	1381.1
37.5°	1502.2	1486.6	1483.7	1473.1	1467.7	1465.7	1456.2	1457.5	1451.7	1449.3	1448.9
40°	1651.2	1645.5	1640.5	1628.6	1615.1	1617.6	1608.1	1598.3	1585.9	1588.8	1586.8
42.5°	1873.3	1870.0	1866.7	1856.0	1842.9	1833.4	1824.0	1811.3	1788.3	1793.2	1779.7
45°	2133.9	2140.0	2132.7	2127.3	2103.5	2086.7	2068.2	2046.1	2027.6	2020.2	2012.8
47.5°	2408.1	2414.2	2412.2	2399.9	2381.0	2357.2	2335.0	2312.8	2285.3	2265.2	2260.7
50°	2688.4	2686.8	2699.5	2690.4	2682.7	2643.7	2623.1	2596.5	2567.7	2555.0	2544.7
52.5°	2955.6	3000.7	2999.5	2997.9	3003.6	2966.3	2944.9	2911.3	2892.8	2885.8	2865.3
55°	3241.3	3284.4	3317.6	3329.5	3332.4	3330.7	3309.4	3296.3	3276.1	3284.8	3247.8
57.5°	3519.1	3588.5	3643.5	3673.5	3675.9	3718.2	3696.9	3705.5	3694.8	3691.9	3668.5
60°	3861.9	3943.5	4037.5	4103.6	4116.7	4197.6	4195.1	4222.6	4212.8	4205.8	4184.5
62.5°	4367.5	4463.1	4591.6	4692.2	4762.8	4808.3	4859.6	4868.7	4891.6	4879.7	4848.1
65°	5059.1	5173.6	5349.3	5487.2	5598.0	5626.8	5721.6	5751.5	5793.4	5746.2	5687.1
67.5°	5549.2	5735.1	5906.7	6053.2	6149.7	6252.3	6340.1	6389.8	6402.5	6357.7	6291.3
69°	5537.3	5750.7	5927.6	6068.0	6194.8	6308.1	6384.4	6432.4	6448.0	6413.2	6343.8
70°	5396.5	5630.4	5812.7	5965.4	6095.9	6220.7	6287.6	6338.0	6356.1	6332.7	6251.9
72.5°	4711.5	4970.9	5091.1	5291.0	5476.5	5579.6	5628.8	5679.3	5717.5	5702.3	5612.8
75°	3661.6	3808.9	3873.8	4015.8	4179.5	4235.8	4252.2	4284.2	4342.5	4339.6	4275.6
77.5°	1819.9	1798.6	1777.2	1792.0	1910.6	1770.6	1825.2	1820.7	1863.8	1888.0	1870.4
80°	327.9	337.0	344.8	323.0	354.2	340.3	316.9	337.0	333.3	341.5	343.1
82.5°	114.1	116.2	117.0	119.8	120.3	119.0	117.4	121.5	121.1	121.9	121.9
85°	61.6	62.0	60.3	60.3	58.7	58.3	57.9	59.1	61.6	60.3	61.6
87.5°	20.9	20.5	18.9	17.2	16.0	14.8	13.5	14.4	16.0	16.8	20.1
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-E02-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	95°	96°	97°	98°	99°	100°	101°	102°	103°	104°	105°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1182.9	1182.9	1182.1	1180.8	1179.6	1179.2	1179.2	1179.6	1179.2	1179.2	1178.4
5°	1194.8	1195.6	1195.6	1193.6	1192.7	1191.9	1191.1	1191.1	1190.7	1190.3	1189.9
7.5°	1219.8	1218.2	1220.2	1216.1	1216.6	1215.7	1214.5	1214.9	1212.0	1212.4	1212.4
10°	1255.1	1252.3	1253.9	1252.7	1251.0	1250.2	1248.2	1249.4	1246.1	1246.1	1245.7
12.5°	1297.0	1293.7	1294.1	1293.3	1292.5	1289.2	1288.4	1288.8	1286.3	1284.7	1283.9
15°	1333.5	1332.7	1332.7	1332.7	1330.2	1328.2	1325.7	1325.7	1323.3	1322.4	1320.8
17.5°	1359.0	1358.6	1357.7	1357.7	1355.7	1353.6	1353.2	1352.0	1349.9	1347.5	1346.7
20°	1369.6	1369.2	1368.4	1368.0	1366.4	1365.1	1362.3	1360.6	1359.4	1357.3	1355.3
22.5°	1368.8	1367.6	1367.6	1366.8	1363.9	1362.3	1359.4	1356.9	1354.5	1353.2	1349.9
25°	1362.3	1360.6	1360.6	1358.6	1355.3	1352.4	1348.7	1345.0	1341.7	1339.3	1335.6
27.5°	1355.7	1353.6	1352.8	1349.1	1345.0	1340.5	1336.0	1331.5	1327.4	1324.1	1322.0
30°	1352.4	1349.5	1347.1	1342.6	1336.0	1331.1	1324.9	1321.2	1317.9	1315.5	1314.2
32.5°	1354.5	1351.6	1347.9	1342.6	1335.6	1329.8	1324.5	1321.2	1319.6	1319.6	1320.8
35°	1375.8	1372.5	1368.0	1362.3	1355.7	1350.4	1347.1	1343.4	1347.9	1348.3	1352.8
37.5°	1443.1	1439.0	1430.0	1427.5	1415.2	1413.2	1412.7	1411.5	1414.8	1420.1	1426.7
40°	1579.0	1569.9	1558.0	1556.0	1548.6	1544.9	1544.1	1542.0	1539.2	1550.2	1553.5
42.5°	1766.5	1768.2	1753.0	1746.8	1748.5	1734.1	1745.6	1746.4	1739.5	1737.8	1734.9
45°	1998.0	2001.7	2000.5	1992.7	1996.8	1992.3	1981.2	1991.1	1977.9	1959.0	1943.4
47.5°	2254.6	2257.0	2257.4	2264.0	2273.4	2270.6	2257.8	2238.6	2221.3	2188.1	2153.6
50°	2543.1	2558.3	2557.1	2559.9	2568.1	2549.3	2532.4	2504.5	2464.3	2411.8	2353.5
52.5°	2888.7	2873.9	2887.1	2876.8	2876.0	2853.4	2806.2	2766.0	2689.6	2622.3	2534.1
55°	3271.6	3254.0	3242.9	3220.3	3195.3	3150.1	3083.7	2999.1	2908.8	2821.0	2716.3
57.5°	3660.7	3637.3	3616.0	3575.4	3519.5	3440.7	3357.0	3247.8	3127.6	3003.2	2888.7
60°	4169.7	4113.5	4067.1	4010.8	3919.7	3795.4	3689.9	3532.3	3380.4	3221.6	3071.7
62.5°	4764.8	4714.7	4588.3	4504.6	4397.5	4249.3	4108.5	3898.8	3721.5	3505.6	3335.7
65°	5617.7	5496.2	5387.9	5219.6	5062.0	4866.2	4671.2	4404.9	4157.0	3914.4	3703.8
67.5°	6181.3	6063.5	5930.1	5757.3	5557.0	5334.5	5070.2	4784.1	4475.5	4200.1	3970.2
69°	6246.5	6120.5	5972.8	5785.2	5572.2	5323.8	5055.8	4760.7	4433.6	4159.4	3923.8
70°	6155.0	6016.3	5877.5	5677.6	5460.1	5199.5	4924.9	4629.4	4286.2	4029.3	3785.5
72.5°	5557.4	5439.6	5245.9	5030.0	4838.7	4540.3	4257.9	3984.6	3654.6	3391.9	3187.9
75°	4257.5	4149.2	4072.4	3875.0	3699.7	3444.8	3277.4	2973.7	2795.9	2518.1	2321.1
77.5°	1951.7	1932.0	1982.0	1935.6	1858.9	1780.1	1748.9	1606.5	1484.2	1414.8	1312.2
80°	347.2	355.0	373.9	374.3	364.9	369.4	394.0	396.5	429.3	423.2	464.2
82.5°	123.5	123.1	125.6	125.6	127.6	131.8	147.3	172.0	202.8	236.0	278.7
85°	62.8	67.3	70.2	70.2	71.4	74.3	80.9	100.6	126.0	164.6	208.5
87.5°	20.9	24.2	27.1	29.1	28.7	29.6	31.6	37.4	54.2	74.3	101.0
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):

	106°	107°	108°	109°	110°	115°	125°	135°	145°	155°	165°
0°	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4	1180.4
2.5°	1178.0	1178.8	1177.6	1177.6	1177.1	1176.3	1174.3	1172.6	1170.6	1169.3	1166.5
5°	1189.5	1189.1	1188.2	1188.2	1187.0	1184.9	1180.8	1177.1	1173.5	1171.0	1168.1
7.5°	1210.8	1211.2	1210.8	1210.0	1207.9	1205.5	1198.1	1191.9	1187.8	1181.7	1178.4
10°	1242.8	1242.8	1241.6	1239.5	1240.4	1235.0	1223.1	1214.1	1205.5	1196.0	1189.9
12.5°	1281.0	1281.4	1278.9	1278.9	1278.9	1271.1	1254.3	1238.3	1225.2	1210.4	1200.1
15°	1318.8	1317.5	1315.5	1314.6	1313.8	1306.0	1286.7	1268.7	1248.2	1225.2	1208.8
17.5°	1343.8	1343.4	1340.1	1340.1	1338.0	1331.9	1317.9	1299.0	1270.7	1238.7	1213.7
20°	1352.8	1351.6	1349.9	1349.5	1347.5	1344.2	1341.3	1327.8	1294.9	1249.4	1211.2
22.5°	1347.5	1346.3	1344.2	1344.6	1343.8	1346.3	1358.6	1351.6	1312.2	1247.3	1192.7
25°	1333.5	1331.9	1331.9	1332.7	1333.1	1344.2	1374.2	1370.1	1313.4	1225.2	1151.7
27.5°	1320.8	1319.6	1320.0	1322.9	1325.3	1345.0	1388.5	1372.1	1287.6	1178.0	1097.5
30°	1314.6	1315.1	1317.9	1322.0	1326.5	1357.7	1398.4	1353.6	1236.3	1111.1	1028.2
32.5°	1322.9	1327.4	1332.7	1338.5	1345.8	1383.6	1400.8	1313.0	1164.8	1038.0	953.5
35°	1357.7	1367.6	1374.2	1381.1	1388.9	1422.2	1398.0	1254.7	1091.0	969.1	875.5
37.5°	1433.3	1440.2	1444.8	1454.6	1464.0	1473.5	1388.1	1191.1	1028.6	902.2	806.9
40°	1558.9	1553.9	1563.0	1561.7	1559.3	1535.5	1373.7	1134.9	974.4	838.9	742.9
42.5°	1723.0	1718.9	1706.6	1696.8	1683.6	1609.8	1363.1	1095.9	919.0	775.7	675.6
45°	1913.9	1886.4	1859.3	1835.5	1810.0	1692.7	1361.8	1059.8	853.7	704.3	602.9
47.5°	2091.6	2055.5	2014.5	1975.9	1944.3	1781.7	1370.1	1008.0	774.5	630.4	537.3
50°	2282.9	2219.3	2167.1	2114.2	2078.9	1881.9	1376.6	930.1	691.2	562.7	474.5
52.5°	2455.3	2388.0	2322.3	2271.0	2219.3	1986.1	1352.8	830.7	616.5	494.6	412.9
55°	2617.0	2540.2	2478.2	2420.8	2373.6	2099.8	1270.3	743.3	545.1	426.9	343.1
57.5°	2772.9	2693.3	2626.4	2567.3	2514.0	2189.7	1116.8	670.7	469.5	346.8	268.8
60°	2944.5	2853.4	2781.2	2709.3	2651.5	2231.6	963.7	603.8	389.1	263.1	197.0
62.5°	3179.7	3075.9	2992.9	2901.8	2814.8	2220.9	875.5	528.6	303.3	192.9	146.9
65°	3524.9	3394.4	3288.9	3170.3	3050.8	2169.6	819.7	450.3	227.4	148.2	126.0
67.5°	3789.6	3629.5	3494.9	3357.4	3206.4	2070.7	789.3	391.6	181.8	128.1	114.1
69°	3738.3	3580.3	3433.3	3292.6	3121.8	1934.8	765.5	369.4	168.3	120.7	108.4
70°	3607.0	3446.5	3297.1	3155.9	2971.2	1791.2	732.2	353.4	163.4	116.6	104.3
72.5°	3004.0	2855.9	2695.0	2540.6	2348.6	1296.2	560.3	285.3	149.4	106.7	94.8
75°	2161.4	2034.2	1913.5	1746.4	1526.4	756.9	350.1	174.8	113.7	96.9	86.2
77.5°	1218.6	1169.8	1103.7	966.2	822.5	412.9	206.9	108.8	90.3	89.5	74.7
80°	475.7	518.0	536.0	504.0	452.3	297.6	153.1	85.4	76.3	91.5	64.4
82.5°	337.0	396.5	414.1	394.4	368.2	267.2	118.2	66.5	60.7	76.8	54.6
85°	268.8	303.3	305.4	291.8	283.2	214.3	78.4	41.5	43.1	54.2	39.4
87.5°	137.1	134.6	130.1	133.4	118.6	86.2	27.5	17.2	20.9	22.6	21.8
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: P144711

CATALOG NUMBER: VPL-E02-LED-E1-RW-7050

CANDELA DISTRIBUTION (continued):

	175°	180°
0°	1180.4	1180.4
2.5°	1164.8	1166.1
5°	1166.9	1167.3
7.5°	1176.7	1175.5
10°	1187.0	1185.4
12.5°	1196.0	1193.2
15°	1201.4	1197.7
17.5°	1202.2	1199.3
20°	1193.2	1189.1
22.5°	1165.2	1161.6
25°	1121.3	1115.6
27.5°	1062.6	1056.9
30°	992.4	985.1
32.5°	915.3	909.1
35°	838.1	834.0
37.5°	769.6	767.9
40°	703.9	701.9
42.5°	635.8	632.9
45°	566.0	562.7
47.5°	500.7	496.2
50°	437.1	434.2
52.5°	373.9	371.5
55°	302.1	299.2
57.5°	226.6	219.2
60°	160.5	156.4
62.5°	120.3	116.2
65°	104.3	100.6
67.5°	94.8	90.7
69°	89.9	86.6
70°	87.4	84.6
72.5°	80.4	78.8
75°	72.2	70.6
77.5°	63.2	60.7
80°	54.6	52.1
82.5°	43.1	41.5
85°	26.7	25.4
87.5°	14.4	11.9
90°	0.0	0.0

(END OF REPORT)