

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: STREETWORKS

Report Number: P149171

Luminaire Tested: **AVS-E01-LED-E-U-RW-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P149171
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33677)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E01-LED-E-U-RW-7050
Description: VISION SITE SMALL 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: 3205.5 lumens
Efficiency: N/A
Efficacy: 129.8 lumens/watt
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')
IES Classification: Type V - Medium - Full Cutoff
BUG Rating: B2 - U0 - G1

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: 28.75 FT

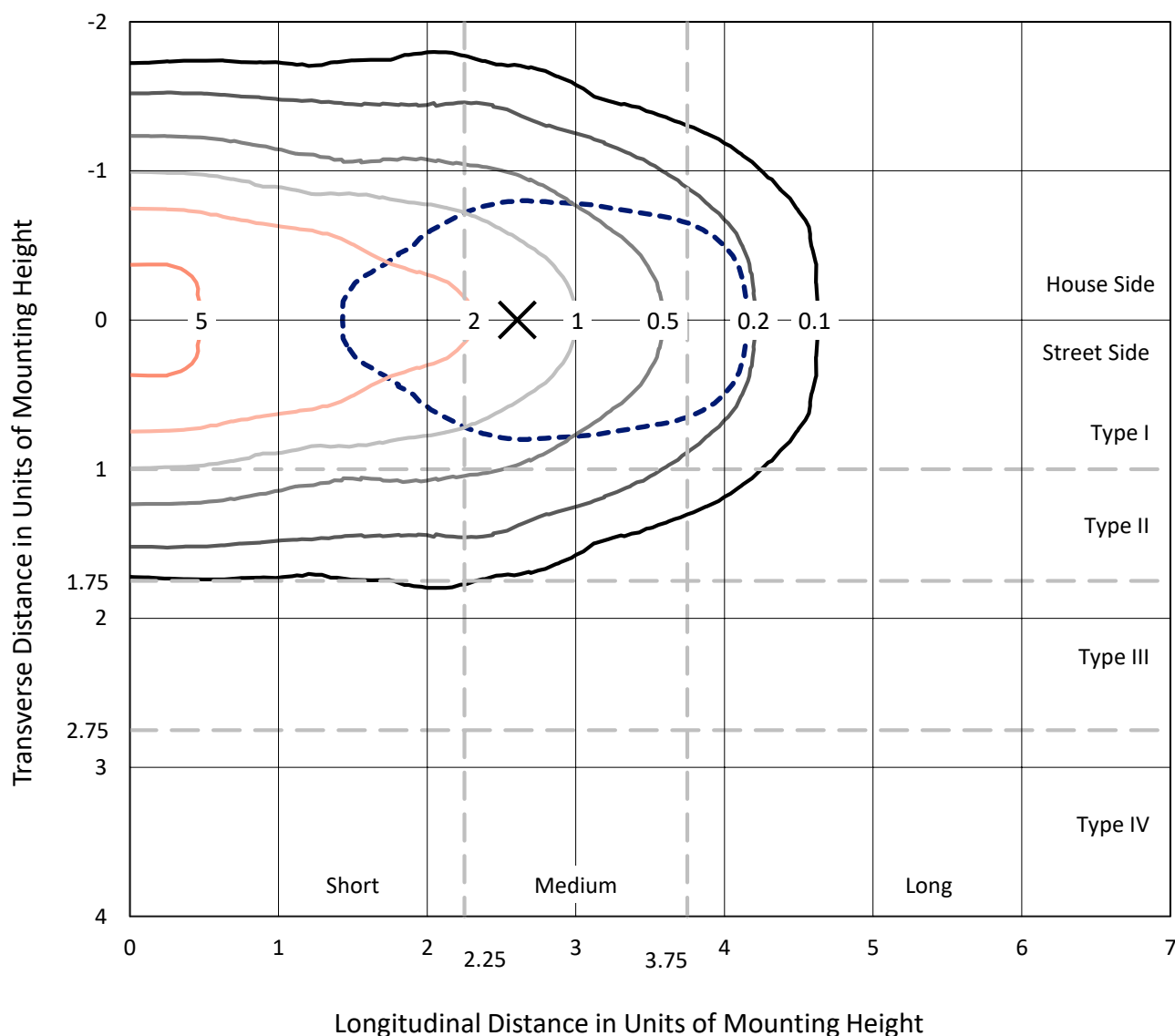


REPORT NUMBER: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

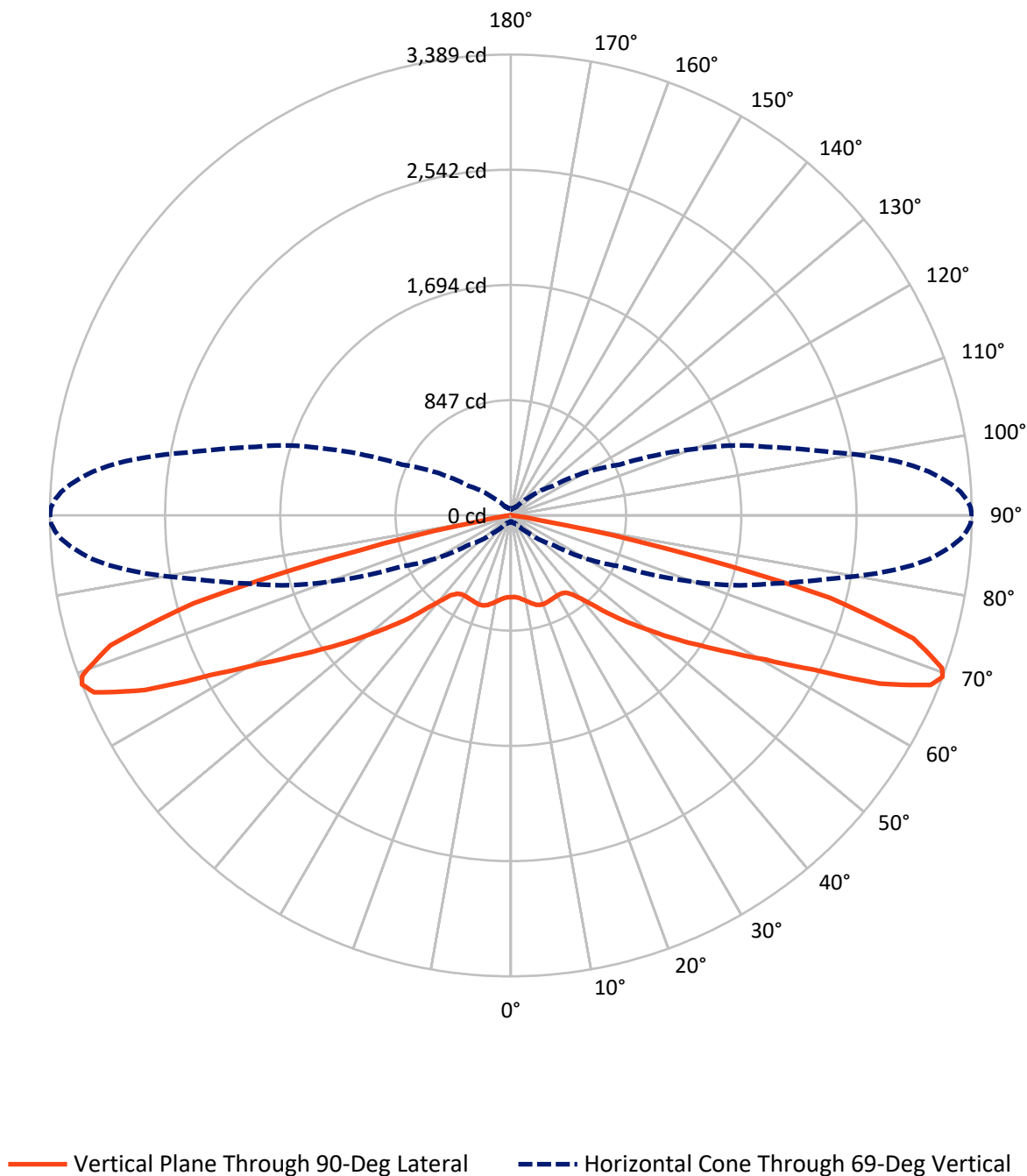


Based on 10 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Medium - Full Cutoff

REPORT NUMBER: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

Luminous Intensity Polar Plot



REPORT NUMBER: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

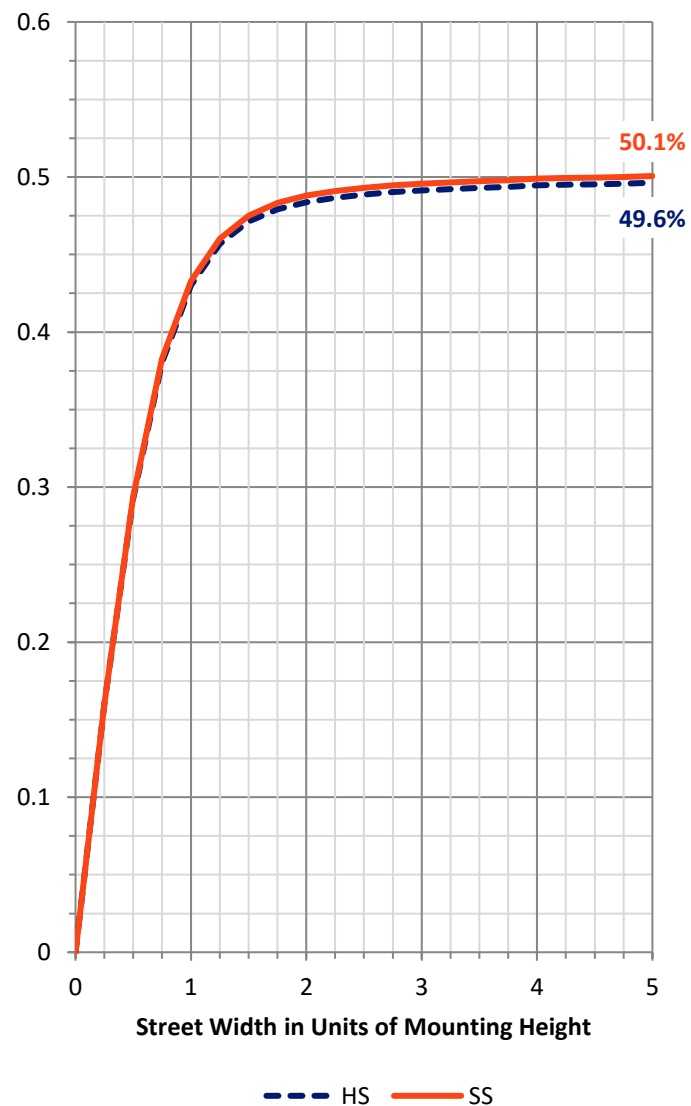
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1602.7	0.0	1602.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1602.7	0.0	1602.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3205.5	0.0	3205.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.9	1.8
10°-20°	185.8	5.8
20°-30°	301.1	9.4
30°-40°	375.2	11.7
40°-50°	468.9	14.6
50°-60°	579.0	18.1
60°-70°	719.4	22.4
70°-80°	477.6	14.9
80°-90°	39.4	1.2
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°	3205.5	100.0
0°-180°	3205.5	100.0

Coefficient of Utilization



REPORT NUMBER: P149171

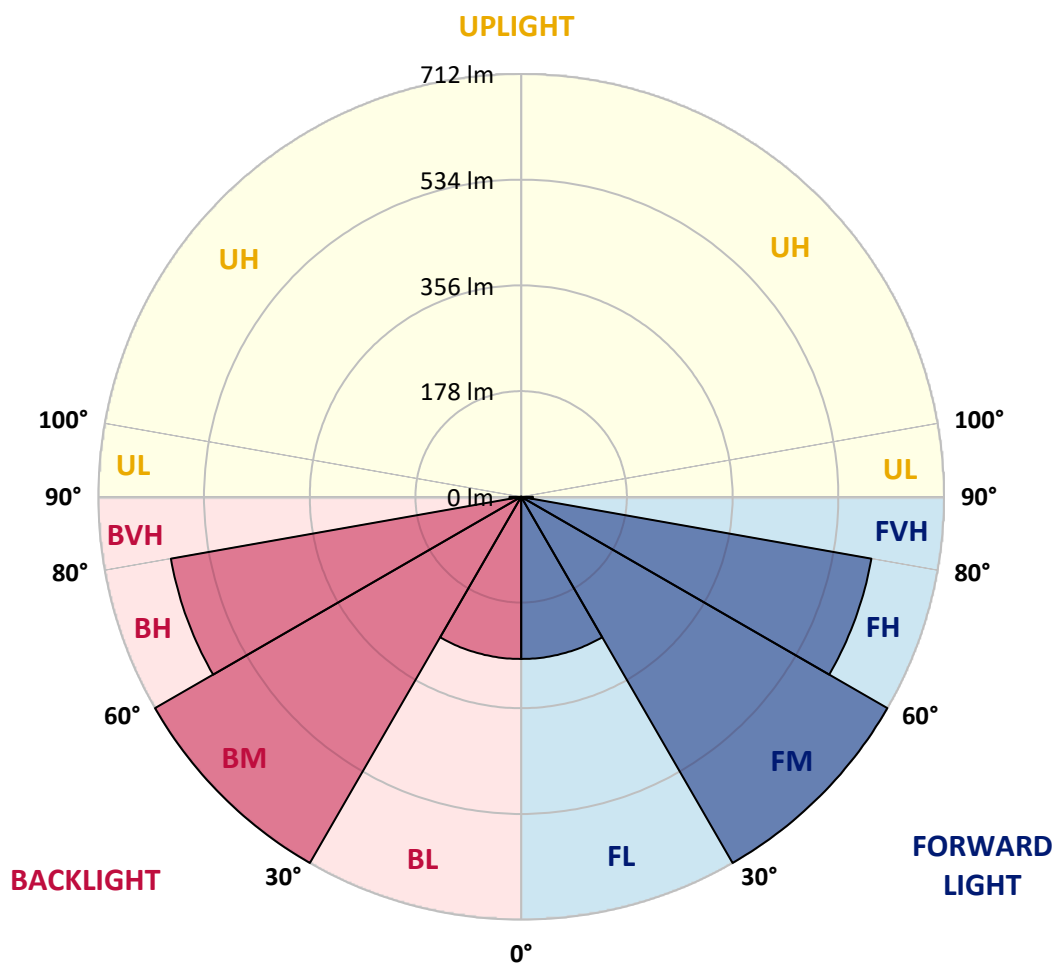
CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.9	8.5			
FM	(30°-60°)	711.6	22.2			
FH	(60°-80°)	598.5	18.7			G0/660
FVH	(80°-90°)	19.7	0.6			G1/100
BL	(0°-30°)	272.9	8.5	B1/500		
BM	(30°-60°)	711.6	22.2	B1/1000		
BH	(60°-80°)	598.5	18.7	B2/1000		G0/660
BVH	(80°-90°)	19.7	0.6			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Medium





REPORT NUMBER: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	67°	68°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	603.3	603.9	603.5	604.2	604.0	604.0	603.6	603.0	602.9	602.8	602.7
5°	609.2	608.5	609.5	610.6	610.2	610.4	610.2	610.2	610.1	610.0	610.0
7.5°	615.3	615.2	615.8	618.6	618.9	620.0	621.1	622.0	622.0	622.1	622.1
10°	620.6	620.8	622.5	626.4	628.5	631.8	635.0	637.6	637.7	637.9	638.1
12.5°	624.8	625.0	627.6	633.8	638.8	644.8	651.9	655.9	656.2	656.6	656.9
15°	625.2	625.8	630.2	640.3	650.2	660.3	668.7	674.0	674.2	674.5	674.8
17.5°	620.8	621.0	628.6	643.5	660.2	675.8	684.6	687.0	687.1	687.2	687.3
20°	609.2	610.0	620.6	642.6	668.0	688.5	697.6	694.3	694.0	693.7	693.4
22.5°	590.4	590.2	604.0	633.8	669.6	698.4	706.5	698.0	696.9	695.9	694.9
25°	559.9	562.0	578.2	613.8	660.8	700.6	712.8	699.8	698.3	696.9	695.4
27.5°	526.9	528.2	545.4	583.4	640.4	692.9	715.9	703.6	702.0	700.4	698.7
30°	488.4	490.0	508.4	548.3	607.8	673.2	715.0	712.2	710.2	708.3	706.4
32.5°	450.8	452.6	469.2	512.8	573.4	645.9	709.9	724.2	722.3	720.3	718.4
35°	411.8	414.4	434.6	478.7	540.2	615.6	702.0	739.8	738.8	737.7	736.6
37.5°	379.5	380.0	399.5	445.8	509.4	586.7	691.6	759.4	760.2	761.0	761.8
40°	343.4	346.7	366.2	415.0	481.6	562.3	681.6	786.2	790.2	794.3	798.4
42.5°	311.1	311.4	331.3	381.7	451.3	542.6	676.2	818.3	827.0	835.8	844.6
45°	277.0	278.4	296.4	345.1	416.4	519.4	676.0	855.4	869.4	883.4	897.3
47.5°	244.8	245.4	264.4	309.8	376.4	486.9	674.9	895.3	914.3	933.3	952.3
50°	214.1	213.6	232.2	275.8	336.8	444.3	664.4	940.4	964.4	988.4	1012.4
52.5°	178.9	181.3	200.6	242.3	301.0	401.0	634.0	989.8	1018.5	1047.2	1075.9
55°	144.4	145.4	166.1	205.0	264.6	360.6	581.0	1035.4	1069.2	1103.0	1136.8
57.5°	106.4	109.5	127.6	166.1	227.6	326.6	513.6	1059.0	1100.1	1141.3	1182.4
60°	75.1	77.4	93.6	125.8	187.1	290.9	455.6	1045.8	1099.2	1152.7	1206.2
62.5°	58.5	60.4	73.2	94.2	145.8	255.2	414.0	1003.2	1075.9	1148.7	1221.5
65°	51.3	53.0	64.7	75.4	108.9	218.7	391.3	958.2	1054.4	1150.6	1246.8
67.5°	46.3	48.4	58.4	66.1	88.8	190.8	385.3	929.8	1038.8	1147.8	1256.7
69°	44.1	46.2	55.2	61.6	82.4	181.0	375.0	885.2	993.5	1101.9	1210.2
70°	42.8	44.4	52.8	59.3	80.4	174.1	358.0	829.4	935.8	1042.2	1148.6
72.5°	39.6	40.5	47.8	54.2	74.6	140.8	275.4	616.0	708.2	800.4	892.7
75°	35.1	36.0	42.9	49.1	58.2	87.4	174.2	381.0	449.8	518.7	587.5
77.5°	30.2	31.2	37.1	46.8	45.2	54.6	104.2	212.1	252.0	292.0	331.9
80°	24.2	25.4	30.6	46.6	37.4	42.4	74.9	148.2	159.0	169.8	180.6
82.5°	17.8	18.6	24.0	37.6	28.6	32.0	57.1	125.6	129.4	133.2	136.9
85°	9.1	9.2	15.2	23.0	18.2	16.6	32.1	86.0	88.4	90.8	93.2
87.5°	1.6	1.6	3.4	3.9	4.4	2.8	4.2	14.7	15.2	15.6	16.1
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: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

	69°	70°	71°	72°	73°	74°	75°	76°	77°	78°	79°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	602.7	602.6	602.3	602.3	602.5	602.4	602.7	602.7	602.9	602.3	602.1
5°	609.9	609.8	609.8	609.8	609.9	609.9	610.0	610.3	610.2	609.8	609.8
7.5°	622.1	622.2	622.3	622.2	622.5	622.3	622.0	622.6	622.9	623.0	623.3
10°	638.3	638.5	639.1	639.0	639.6	639.5	639.6	640.2	640.6	640.7	641.1
12.5°	657.2	657.6	657.9	658.2	658.8	658.4	659.3	659.6	660.1	661.1	660.7
15°	675.1	675.4	676.3	676.4	677.0	677.2	678.0	678.2	678.4	679.2	679.3
17.5°	687.4	687.5	687.9	687.7	688.2	688.0	688.5	688.8	689.2	689.7	690.5
20°	693.0	692.7	692.5	692.3	692.0	691.4	691.6	691.8	691.9	692.3	692.9
22.5°	693.9	692.9	691.9	691.1	690.1	689.2	688.4	688.4	688.5	688.4	688.8
25°	694.0	692.5	690.9	688.9	687.5	685.5	683.9	683.7	683.3	683.3	683.5
27.5°	697.1	695.5	693.2	690.9	687.8	685.2	682.6	681.6	680.7	680.1	679.9
30°	704.5	702.6	699.9	697.0	693.6	689.5	685.8	684.6	683.3	682.2	681.2
32.5°	716.4	714.5	711.5	708.5	704.0	699.9	696.2	694.4	692.4	690.4	688.5
35°	735.5	734.4	731.8	729.2	725.8	722.7	719.3	717.2	714.0	712.4	710.1
37.5°	762.6	763.4	763.4	763.8	762.7	761.2	758.8	756.5	755.5	751.3	748.6
40°	802.5	806.6	810.4	813.2	815.8	818.4	820.6	819.2	819.7	818.5	816.9
42.5°	853.3	862.0	870.0	878.0	883.8	892.8	899.1	901.0	906.1	908.1	911.8
45°	911.2	925.2	938.6	951.0	962.5	975.4	987.9	997.3	1007.5	1019.1	1030.7
47.5°	971.3	990.3	1010.0	1026.2	1042.9	1062.0	1078.6	1092.7	1111.0	1128.0	1146.6
50°	1036.4	1060.4	1082.9	1102.8	1124.3	1146.3	1169.2	1189.8	1214.5	1241.7	1271.0
52.5°	1104.6	1133.3	1159.3	1184.3	1209.5	1234.7	1259.1	1288.2	1318.7	1354.6	1391.3
55°	1170.6	1204.5	1234.0	1261.8	1290.7	1318.8	1343.8	1382.9	1420.4	1463.2	1511.1
57.5°	1223.6	1264.8	1298.9	1331.9	1364.4	1394.3	1425.2	1469.1	1516.9	1566.9	1627.7
60°	1259.7	1313.2	1356.8	1396.4	1436.3	1474.0	1509.4	1566.9	1623.8	1685.9	1761.6
62.5°	1294.3	1367.1	1423.8	1478.0	1531.8	1580.1	1624.2	1696.5	1770.8	1847.6	1937.6
65°	1343.1	1439.3	1522.8	1598.3	1672.8	1743.8	1809.7	1901.4	1995.1	2096.3	2203.7
67.5°	1365.7	1474.7	1583.5	1685.2	1779.8	1869.7	1954.4	2065.3	2175.6	2292.8	2422.6
69°	1318.5	1426.9	1543.2	1654.3	1758.8	1854.2	1945.8	2059.0	2173.7	2293.4	2424.4
70°	1255.0	1361.4	1478.8	1595.0	1694.9	1794.3	1889.3	2001.6	2117.8	2237.8	2374.8
72.5°	984.9	1077.1	1191.6	1304.3	1404.6	1504.4	1596.6	1711.5	1828.5	1954.5	2084.4
75°	656.4	725.2	810.6	915.2	1007.0	1095.2	1184.6	1281.8	1396.0	1499.9	1618.6
77.5°	371.8	411.8	461.3	529.3	595.3	648.0	711.8	757.5	823.8	880.9	941.4
80°	191.4	202.1	216.9	233.2	242.5	241.1	250.6	241.2	243.3	235.6	227.4
82.5°	140.7	144.4	151.1	154.4	154.1	143.3	131.9	116.0	102.0	87.3	73.8
85°	95.6	98.0	99.6	102.2	101.5	96.8	86.6	72.8	59.4	47.6	38.1
87.5°	16.5	17.0	16.9	18.3	18.3	17.0	14.0	11.9	10.1	7.5	5.3
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: P149171

CATALOG NUMBER: AVS-E01-LED-E-U-RW-7050

CANDELA DISTRIBUTION (continued):

	80°	81°	82°	83°	84°	85°	86°	87°	88°	89°	90°
0°	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6	600.6
2.5°	602.0	602.0	602.3	602.0	602.0	602.0	601.8	602.2	602.0	601.5	600.9
5°	609.8	609.3	609.2	609.6	609.8	609.2	609.7	610.2	609.3	609.5	609.1
7.5°	623.0	622.8	622.7	623.0	623.0	622.8	623.0	622.5	622.2	622.7	623.2
10°	640.7	640.5	640.8	640.8	641.4	641.2	641.0	641.5	641.2	640.8	640.9
12.5°	661.3	660.8	661.7	661.7	662.2	662.2	662.0	662.2	662.0	661.5	661.1
15°	679.8	679.2	679.3	680.6	680.5	680.8	680.8	680.5	680.4	680.2	680.3
17.5°	690.9	690.6	690.6	691.2	691.8	691.6	691.6	691.6	691.4	691.6	691.9
20°	693.0	692.9	693.1	693.8	694.6	694.2	694.2	694.5	694.2	694.5	694.7
22.5°	689.0	689.4	689.7	690.6	690.8	690.8	690.8	691.0	691.2	691.2	691.6
25°	683.6	683.9	684.4	685.0	685.8	685.8	685.8	686.2	686.1	686.3	686.4
27.5°	679.5	679.8	680.2	681.0	681.8	681.8	681.8	682.2	682.2	682.4	682.7
30°	680.0	679.3	679.8	680.2	680.6	680.7	680.4	680.7	680.8	680.8	681.0
32.5°	687.3	685.8	685.2	685.1	685.3	684.8	684.6	684.2	684.0	683.9	683.7
35°	706.8	704.4	704.2	702.8	701.6	700.1	700.3	699.2	699.6	698.8	698.1
37.5°	746.8	744.1	745.8	742.9	741.0	739.7	738.1	736.1	734.8	736.4	736.4
40°	818.4	816.6	816.1	816.6	814.8	815.8	812.0	810.9	808.7	810.3	812.3
42.5°	917.6	916.4	922.8	924.0	924.7	925.7	926.4	920.8	920.6	919.4	916.0
45°	1039.8	1046.9	1046.6	1054.5	1054.8	1052.4	1053.5	1051.0	1049.9	1046.1	1050.8
47.5°	1165.5	1179.2	1184.3	1186.0	1192.6	1194.1	1187.9	1185.8	1189.4	1183.3	1184.1
50°	1300.4	1315.2	1327.1	1335.1	1339.8	1340.1	1335.5	1334.4	1337.7	1326.1	1331.5
52.5°	1433.1	1455.4	1478.0	1489.9	1498.4	1499.1	1502.7	1498.5	1500.2	1497.4	1502.9
55°	1564.0	1602.4	1628.9	1652.4	1667.2	1680.0	1681.2	1685.8	1686.2	1691.8	1686.2
57.5°	1691.8	1733.8	1780.0	1821.5	1844.6	1859.2	1872.8	1891.4	1895.6	1893.4	1896.9
60°	1842.9	1907.7	1970.4	2018.4	2058.2	2096.3	2116.8	2146.1	2150.7	2163.4	2152.4
62.5°	2033.8	2127.8	2213.0	2277.4	2338.0	2397.3	2442.2	2464.8	2478.4	2504.9	2496.2
65°	2326.6	2439.4	2552.1	2644.4	2729.3	2799.8	2868.0	2900.4	2936.4	2974.0	2980.8
67.5°	2567.7	2707.4	2834.4	2946.9	3049.8	3128.2	3199.0	3255.3	3299.2	3326.8	3329.0
69°	2578.6	2723.8	2861.8	2982.5	3089.8	3173.2	3247.8	3310.4	3353.0	3381.4	3388.9
70°	2526.3	2674.9	2822.0	2944.0	3053.7	3139.0	3218.0	3277.7	3325.3	3354.2	3364.2
72.5°	2232.0	2390.7	2547.8	2654.7	2766.9	2868.5	2931.8	2992.6	3059.7	3068.4	3096.1
75°	1759.4	1892.8	2014.7	2096.5	2190.2	2281.4	2343.4	2359.5	2394.6	2438.7	2423.0
77.5°	1019.6	1060.6	1139.3	1159.5	1142.4	1182.1	1195.2	1167.2	1165.8	1191.7	1140.3
80°	226.0	213.1	229.2	217.2	217.5	217.9	214.2	212.9	215.4	212.9	209.3
82.5°	62.6	60.6	60.8	60.2	61.4	60.5	60.0	61.4	61.2	61.1	62.3
85°	30.1	29.8	29.3	29.1	28.4	27.6	26.2	26.2	26.8	25.8	26.3
87.5°	4.0	3.8	3.8	4.5	4.0	3.2	3.2	3.2	3.0	3.0	3.1
90°	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)