

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: P155830

Luminaire Tested: **AVS-E03-LED-E-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155830
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33672)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-E03-LED-E-U-T3
Description: VISION SITE SMALL LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA
Light Source: (63) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9251.8 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Semi-Cutoff
BUG Rating: B3 - U0 - G3

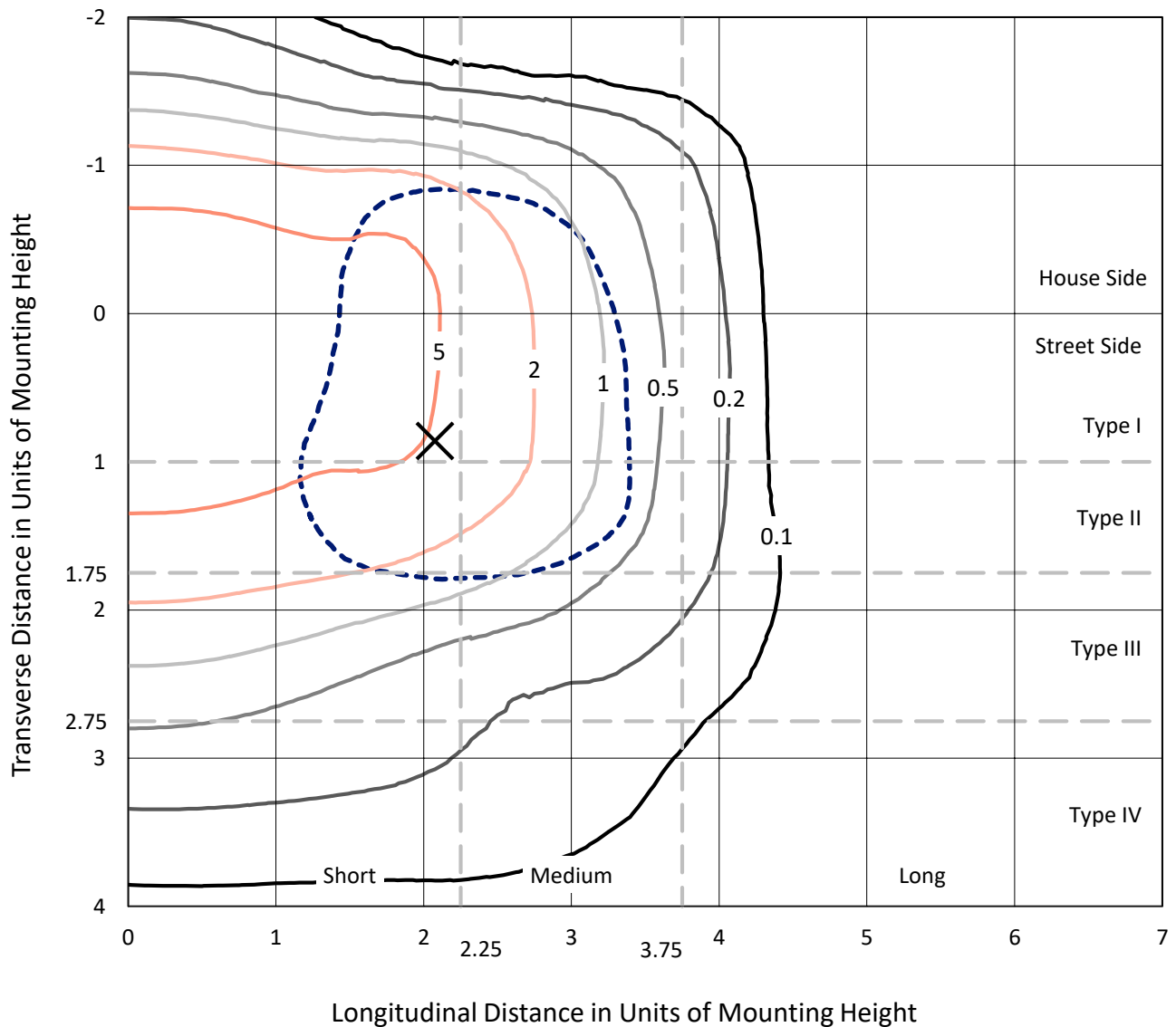
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P155830
 CATALOG NUMBER: AVS-E03-LED-E-U-T3

Iso-Footcandle Lines of Horizontal Illumination

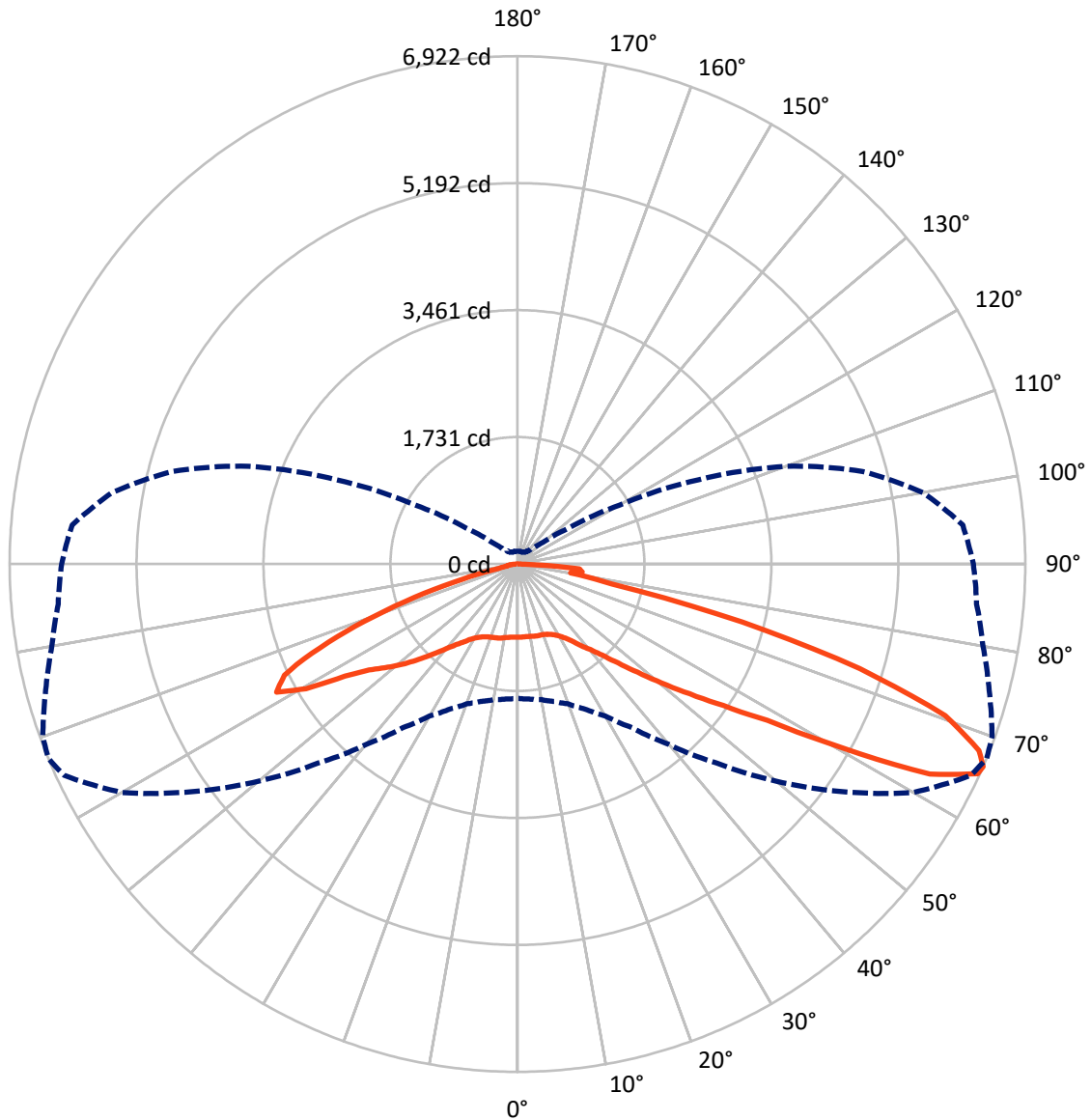
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P155830
CATALOG NUMBER: AVS-E03-LED-E-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 67.5-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

REPORT NUMBER: P155830

CATALOG NUMBER: AVS-E03-LED-E-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3194.9	0.0	3194.9
	% Fixture	34.5	0.0	34.5
Street Side	Lumens	6056.8	0.0	6056.8
	% Fixture	65.5	0.0	65.5
Total	Lumens	9251.8	0.0	9251.8
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.5	1.0
10°-20°	281.8	3.0
20°-30°	484.4	5.2
30°-40°	786.5	8.5
40°-50°	1313.0	14.2
50°-60°	2067.5	22.3
60°-70°	2819.2	30.5
70°-80°	1220.4	13.2
80°-90°	183.5	2.0
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°	9251.8	100.0
0°-180°	9251.8	100.0



REPORT NUMBER: P155830

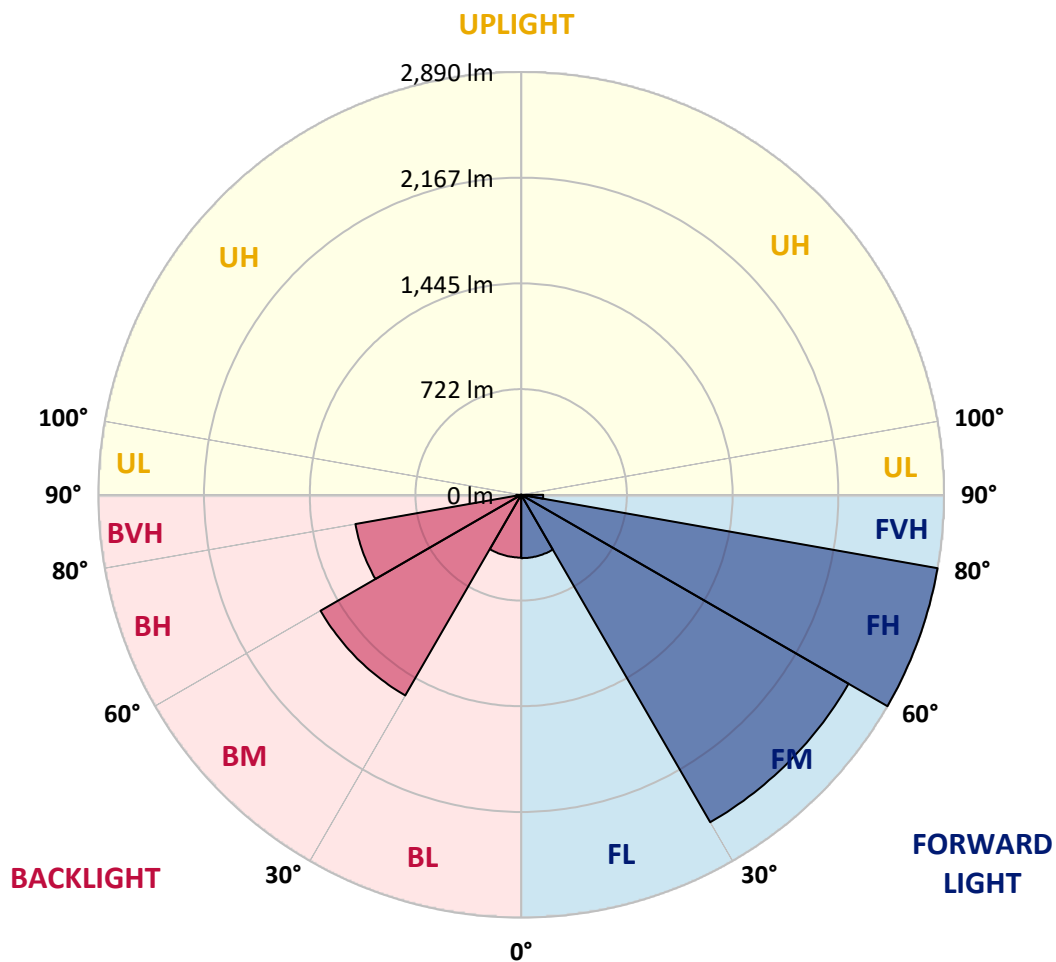
CATALOG NUMBER: AVS-E03-LED-E-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	432.8	4.7			
FM	(30°-60°)	2583.7	27.9			
FH	(60°-80°)	2889.6	31.2			G2/5000
FVH	(80°-90°)	150.7	1.6			G2/225
BL	(0°-30°)	428.9	4.6	B1/500		
BM	(30°-60°)	1583.2	17.1	B2/2500		
BH	(60°-80°)	1150.0	12.4	B3/2500		G3/2500
BVH	(80°-90°)	32.8	0.4			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 III Short





REPORT NUMBER: P155830

CATALOG NUMBER: AVS-E03-LED-E-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0
2.5°	1001.0	1005.0	1001.0	1002.0	1003.0	1002.0	1001.0	1001.0	998.0	1000.0	1002.0
5°	997.0	1000.0	999.0	1000.0	1001.0	1000.0	999.0	1000.0	998.0	999.0	1002.0
7.5°	992.0	991.0	992.0	994.0	996.0	996.0	996.0	997.0	996.0	996.0	999.0
10°	977.0	978.0	980.0	983.0	984.0	987.0	987.0	990.1	991.0	993.0	997.0
12.5°	958.0	959.0	961.0	963.0	968.0	973.0	973.0	980.0	983.0	988.0	995.0
15°	944.0	945.0	947.0	949.0	953.0	958.0	961.0	969.0	974.0	983.0	993.0
17.5°	952.0	951.0	953.0	954.0	954.0	958.0	958.0	964.0	969.9	978.0	991.0
20°	975.0	975.0	977.0	977.0	976.0	978.0	974.0	974.0	975.0	979.0	988.0
22.5°	998.0	997.0	1001.0	1003.0	1004.0	1007.0	1003.0	1002.0	997.0	994.0	997.0
25°	1020.0	1019.0	1024.0	1027.0	1032.0	1035.0	1035.0	1035.0	1031.0	1026.0	1023.0
27.5°	1054.0	1054.0	1059.0	1062.0	1066.0	1072.0	1075.0	1075.0	1076.0	1069.0	1064.0
30°	1111.0	1112.0	1113.0	1117.0	1121.0	1123.0	1127.0	1129.9	1133.0	1129.0	1121.0
32.5°	1179.0	1173.0	1173.0	1179.0	1184.0	1190.1	1192.0	1196.0	1202.0	1199.0	1198.0
35°	1260.0	1258.0	1256.0	1258.0	1264.0	1271.0	1279.0	1286.0	1282.0	1288.0	1285.0
37.5°	1380.0	1382.0	1383.0	1383.0	1382.0	1384.0	1388.0	1395.0	1393.0	1395.0	1399.0
40°	1578.0	1571.0	1564.0	1565.0	1555.0	1557.0	1541.0	1548.0	1549.0	1542.0	1545.0
42.5°	1776.0	1780.0	1783.0	1791.0	1784.0	1780.0	1765.0	1765.0	1757.0	1750.1	1748.0
45°	1990.1	1998.0	1999.0	2015.0	2009.0	2022.0	2033.0	2030.1	2017.0	2016.0	2002.0
47.5°	2161.0	2174.0	2188.0	2207.0	2222.0	2251.0	2285.0	2302.0	2312.0	2320.0	2304.0
50°	2289.0	2295.0	2331.0	2361.0	2394.0	2442.0	2489.0	2550.1	2599.0	2622.0	2644.0
52.5°	2358.0	2373.0	2412.0	2459.0	2517.0	2589.0	2665.0	2762.0	2846.0	2902.0	2952.0
55°	2373.0	2388.0	2432.0	2492.0	2571.0	2668.0	2777.0	2909.0	3035.0	3143.0	3248.0
57.5°	2331.0	2348.0	2395.0	2464.0	2557.0	2675.0	2812.0	2985.0	3159.0	3334.0	3489.0
60°	2254.0	2275.0	2318.0	2386.0	2489.0	2622.0	2786.0	3003.0	3247.0	3515.0	3812.0
62.5°	2127.0	2149.0	2189.0	2264.0	2369.9	2517.0	2707.0	2977.0	3322.0	3744.0	4271.0
65°	1923.0	1933.0	1982.0	2058.0	2152.0	2314.0	2523.0	2849.0	3298.0	3885.0	4611.0
66°	1831.0	1848.0	1878.0	1939.0	2029.0	2181.0	2391.0	2722.0	3207.0	3836.0	4602.0
67.5°	1687.0	1700.0	1720.0	1761.0	1816.0	1928.0	2127.0	2440.0	2929.0	3588.0	4411.0
70°	1364.0	1369.9	1397.0	1411.0	1430.1	1467.0	1539.0	1719.0	2100.0	2719.0	3560.0
72.5°	929.9	947.0	976.0	1016.0	1068.0	1118.0	1152.0	1175.0	1257.0	1622.0	2372.0
75°	682.0	700.0	737.0	790.1	881.0	985.0	1093.0	1143.0	1109.0	1062.0	1321.0
77.5°	396.0	420.0	451.0	502.0	586.0	724.0	909.0	1073.0	1184.0	1191.0	1131.0
80°	167.0	169.9	189.0	215.0	267.0	364.0	508.0	744.0	990.1	1156.0	1195.0
82.5°	38.0	47.0	60.0	71.0	87.0	120.0	178.0	296.0	535.0	839.0	1094.0
85°	14.0	14.0	19.0	28.0	32.0	36.0	47.0	75.0	128.0	236.0	492.0
87.5°	0.0	1.0	2.0	2.0	4.0	5.0	8.0	11.0	9.9	9.0	30.1
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: P155830

CATALOG NUMBER: AVS-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	55°	60°	65°	67.5°	70°	75°	80°	85°	90°	95°	100°
0°	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0
2.5°	1000.0	999.0	997.0	997.0	997.0	997.0	995.0	996.0	994.0	995.0	995.0
5°	999.0	999.0	998.0	996.0	997.0	997.0	998.0	996.0	996.0	997.0	996.0
7.5°	999.0	998.0	998.0	998.0	999.0	998.0	999.0	999.0	999.0	1000.0	1000.0
10°	999.0	999.0	1001.0	1002.0	1002.0	1003.0	1006.0	1006.0	1007.0	1008.0	1009.9
12.5°	1000.0	1004.0	1007.0	1009.9	1011.0	1013.0	1018.0	1018.0	1020.0	1023.0	1024.0
15°	1001.0	1007.0	1013.0	1015.0	1017.0	1021.0	1026.0	1028.0	1031.0	1034.0	1036.0
17.5°	1000.0	1008.0	1015.0	1018.0	1021.0	1026.0	1032.0	1034.0	1038.0	1042.0	1046.0
20°	999.0	1009.9	1021.0	1025.0	1029.0	1036.0	1044.0	1049.0	1053.0	1059.0	1063.0
22.5°	1005.0	1018.0	1033.0	1039.0	1046.0	1055.0	1066.0	1072.0	1077.0	1083.0	1086.0
25°	1024.0	1034.0	1052.0	1062.0	1071.0	1086.0	1101.0	1108.0	1114.0	1119.0	1120.0
27.5°	1056.0	1059.0	1081.0	1094.0	1107.0	1131.0	1149.0	1154.0	1165.0	1169.0	1168.0
30°	1108.0	1103.0	1121.0	1141.0	1160.0	1193.0	1215.0	1228.0	1238.0	1238.0	1230.1
32.5°	1183.0	1175.0	1180.0	1203.0	1225.0	1273.0	1299.0	1316.0	1323.0	1321.0	1304.0
35°	1281.0	1276.0	1273.0	1291.0	1326.0	1382.0	1416.0	1425.0	1436.0	1434.0	1412.0
37.5°	1397.0	1393.0	1393.0	1414.0	1448.0	1531.0	1568.0	1574.0	1573.0	1557.0	1516.0
40°	1534.0	1532.0	1523.0	1535.0	1564.0	1672.0	1722.0	1729.9	1719.0	1693.0	1645.0
42.5°	1731.0	1719.0	1691.0	1698.0	1720.0	1825.0	1889.9	1912.0	1901.0	1875.0	1797.0
45°	1988.0	1975.0	1928.0	1922.0	1934.0	2026.0	2110.1	2115.0	2113.0	2080.0	1988.0
47.5°	2289.9	2269.9	2220.0	2204.0	2200.0	2285.0	2366.0	2374.0	2369.0	2320.0	2197.0
50°	2617.0	2588.0	2555.0	2544.0	2528.0	2589.0	2671.0	2672.0	2652.0	2584.0	2469.0
52.5°	2966.0	2956.0	2950.1	2939.0	2932.0	2985.0	3035.0	3005.0	2975.0	2904.0	2804.0
55°	3318.0	3359.0	3401.0	3405.0	3417.0	3474.0	3473.0	3391.0	3369.0	3329.9	3231.0
57.5°	3692.0	3844.0	3976.0	4017.0	4057.0	4163.0	4153.0	4072.0	4044.0	3996.0	3914.0
60°	4201.0	4611.0	4992.0	5083.0	5146.0	5273.0	5261.0	5136.0	5194.0	5189.9	5084.0
62.5°	4914.0	5596.0	6167.0	6307.0	6351.0	6365.0	6289.0	6154.0	6211.0	6275.0	5949.0
65°	5397.0	6199.0	6785.0	6893.0	6899.0	6732.0	6563.0	6404.0	6389.9	6335.0	5869.0
66°	5408.0	6229.0	6817.0	6922.0	6885.0	6657.0	6443.0	6283.0	6214.0	6093.0	5609.9
67.5°	5214.0	6042.0	6675.0	6786.0	6705.0	6382.0	6087.0	5881.0	5746.0	5550.1	5124.0
70°	4379.0	5200.0	5980.0	6187.0	6213.0	5731.0	5322.0	5080.0	4898.0	4629.0	4262.0
72.5°	3256.0	3998.0	4686.0	4884.0	4985.0	4600.0	4255.0	4071.0	3822.0	3539.0	3278.0
75°	2041.0	2565.0	3026.0	3165.0	3069.9	2772.0	2565.0	2488.0	2243.0	2074.0	1955.0
77.5°	1167.0	1331.0	1368.0	1315.0	1203.0	921.0	655.0	485.0	421.0	466.0	514.0
80°	1139.0	1044.0	832.0	732.0	663.0	456.0	268.0	184.0	153.0	157.0	169.9
82.5°	1234.0	1324.0	1089.9	889.0	746.0	504.0	278.0	148.0	100.0	118.0	133.0
85°	802.0	1116.0	1005.0	847.0	686.0	431.0	229.0	77.0	51.0	67.0	92.0
87.5°	81.0	89.0	76.0	103.0	77.0	36.0	18.0	11.0	9.9	12.0	18.0
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: P155830

CATALOG NUMBER: AVS-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	105°	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°
0°	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0	997.0
2.5°	996.0	996.0	997.0	998.0	999.0	1000.0	1000.0	1000.0	1000.0	1002.0	1001.0
5°	998.0	1000.0	1002.0	1003.0	1005.0	1005.0	1008.0	1007.0	1007.0	1009.9	1011.0
7.5°	1002.0	1005.0	1009.0	1008.0	1012.0	1011.0	1013.0	1013.0	1009.9	1011.0	1009.0
10°	1011.0	1015.0	1017.0	1014.0	1015.0	1011.0	1009.9	1005.0	999.0	996.0	992.0
12.5°	1026.0	1030.1	1030.1	1025.0	1019.0	1009.9	1003.0	992.0	983.0	978.0	973.0
15°	1039.0	1043.0	1042.0	1034.0	1025.0	1011.0	1001.0	988.0	975.0	967.0	962.0
17.5°	1049.0	1051.0	1048.0	1037.0	1027.0	1014.0	1004.0	990.1	975.0	965.0	956.0
20°	1064.0	1062.0	1055.0	1041.0	1030.1	1018.0	1009.9	998.0	981.0	968.0	955.0
22.5°	1086.0	1078.0	1065.0	1049.9	1039.0	1028.0	1020.0	1007.0	990.1	974.0	959.0
25°	1115.0	1099.0	1081.0	1065.0	1055.0	1043.0	1034.0	1020.0	1002.0	984.0	966.0
27.5°	1157.0	1129.0	1106.0	1092.0	1081.0	1066.0	1055.0	1037.0	1018.0	997.0	977.0
30°	1204.0	1166.0	1144.0	1133.0	1121.0	1105.0	1088.0	1065.0	1043.0	1020.0	996.0
32.5°	1265.0	1219.0	1198.0	1187.0	1171.0	1151.0	1131.0	1105.0	1074.0	1044.0	1015.0
35°	1345.0	1298.0	1276.0	1259.0	1237.0	1211.0	1182.0	1147.0	1105.0	1065.0	1028.0
37.5°	1431.0	1380.0	1359.0	1341.0	1308.0	1274.0	1233.0	1182.0	1125.0	1072.0	1026.0
40°	1540.0	1493.0	1466.0	1435.0	1396.0	1337.0	1273.0	1199.0	1126.0	1061.0	1007.0
42.5°	1678.0	1631.0	1591.0	1542.0	1474.0	1383.0	1292.0	1196.0	1108.0	1034.0	976.0
45°	1861.0	1804.0	1735.0	1649.0	1539.0	1412.0	1293.0	1177.0	1074.0	992.0	929.9
47.5°	2085.0	1998.0	1885.0	1740.0	1582.0	1420.0	1277.0	1139.0	1021.0	932.0	863.0
50°	2351.0	2214.0	2028.0	1815.0	1604.0	1408.0	1237.0	1082.0	946.0	851.0	769.0
52.5°	2655.0	2431.0	2157.0	1869.0	1603.0	1368.0	1169.0	996.0	848.0	742.0	664.0
55°	3012.0	2679.0	2289.9	1909.0	1575.0	1294.0	1065.0	875.0	727.0	629.0	557.0
57.5°	3535.0	3081.0	2522.0	1971.0	1519.0	1180.0	924.0	729.9	600.0	507.0	446.0
60°	4491.0	3752.0	2940.0	2096.0	1433.0	1013.0	759.0	575.0	466.0	391.0	350.1
62.5°	5211.0	4271.0	3166.0	2068.0	1260.0	807.0	563.0	419.0	343.0	292.0	266.0
65°	5108.0	4110.1	2925.0	1781.0	988.0	569.0	374.0	285.0	236.0	212.0	197.0
66°	4875.0	3900.0	2716.0	1603.0	854.0	473.0	308.0	239.0	203.0	186.0	176.0
67.5°	4433.0	3510.1	2342.0	1314.0	656.0	343.0	232.0	189.0	165.0	158.0	151.0
70°	3685.0	2799.0	1644.0	765.0	335.0	191.0	147.0	132.0	126.0	125.0	123.0
72.5°	2824.0	1981.0	968.0	362.0	174.0	127.0	114.0	109.0	107.0	107.0	108.0
75°	1731.0	1113.0	428.0	177.0	122.0	107.0	101.0	99.0	98.0	99.0	98.0
77.5°	578.0	354.0	183.0	134.0	111.0	99.0	95.0	93.0	93.0	93.0	93.0
80°	177.0	154.0	140.0	124.0	105.0	94.0	88.0	87.0	88.0	89.0	86.0
82.5°	133.0	126.0	118.0	110.1	95.0	84.0	82.0	82.0	82.0	79.0	75.0
85°	98.0	97.0	80.0	75.0	70.1	70.1	70.1	70.1	67.0	62.0	58.0
87.5°	18.0	17.0	18.0	19.0	28.0	30.1	30.1	32.0	35.0	33.0	33.0
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: P155830

CATALOG NUMBER: AVS-E03-LED-E-U-T3

CANDELA DISTRIBUTION (continued):

	160°	165°	170°	175°	180°
0°	997.0	997.0	997.0	997.0	997.0
2.5°	1001.0	1000.0	1003.0	1001.0	1002.0
5°	1009.9	1009.0	1011.0	1009.0	1012.0
7.5°	1007.0	1005.0	1004.0	1005.0	1006.0
10°	986.0	984.0	983.0	982.0	983.0
12.5°	968.0	964.0	964.0	962.0	963.0
15°	955.0	952.0	951.0	949.0	950.1
17.5°	949.0	944.0	942.0	940.0	940.0
20°	945.0	939.0	936.0	934.0	933.0
22.5°	945.0	936.0	932.0	929.9	929.0
25°	949.0	938.0	932.0	929.0	928.0
27.5°	957.0	943.0	936.0	932.0	932.0
30°	971.0	953.0	943.0	938.0	937.0
32.5°	985.0	961.0	947.0	941.0	939.0
35°	992.0	961.0	944.0	934.0	932.0
37.5°	984.0	948.0	927.0	912.0	909.0
40°	959.0	921.0	898.0	884.0	882.0
42.5°	926.0	889.0	862.0	852.0	849.0
45°	881.0	837.0	809.9	796.0	797.0
47.5°	804.0	759.0	735.0	722.0	724.0
50°	713.0	669.0	648.0	634.0	637.0
52.5°	613.0	573.0	553.0	546.0	544.0
55°	508.0	477.0	463.0	455.0	452.0
57.5°	412.0	389.9	380.0	369.9	371.0
60°	325.0	314.0	311.0	300.0	299.0
62.5°	256.0	249.0	246.0	238.0	239.0
65°	194.0	192.0	194.0	189.0	191.0
66°	175.0	176.0	176.0	173.0	175.0
67.5°	151.0	153.0	156.0	153.0	155.0
70°	125.0	127.0	129.0	129.0	129.0
72.5°	109.0	111.0	112.0	112.0	112.0
75°	100.0	101.0	102.0	100.0	100.0
77.5°	94.0	94.0	92.0	91.0	89.9
80°	85.0	84.0	81.0	79.0	79.0
82.5°	71.0	69.0	67.0	64.0	64.0
85°	54.0	52.0	49.9	46.0	44.0
87.5°	28.0	29.0	28.0	23.0	20.0
90°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)