

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: P154208

Luminaire Tested: **AVM-E03-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154208
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33723)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-E03-LED-E-U-T2-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4054.5 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

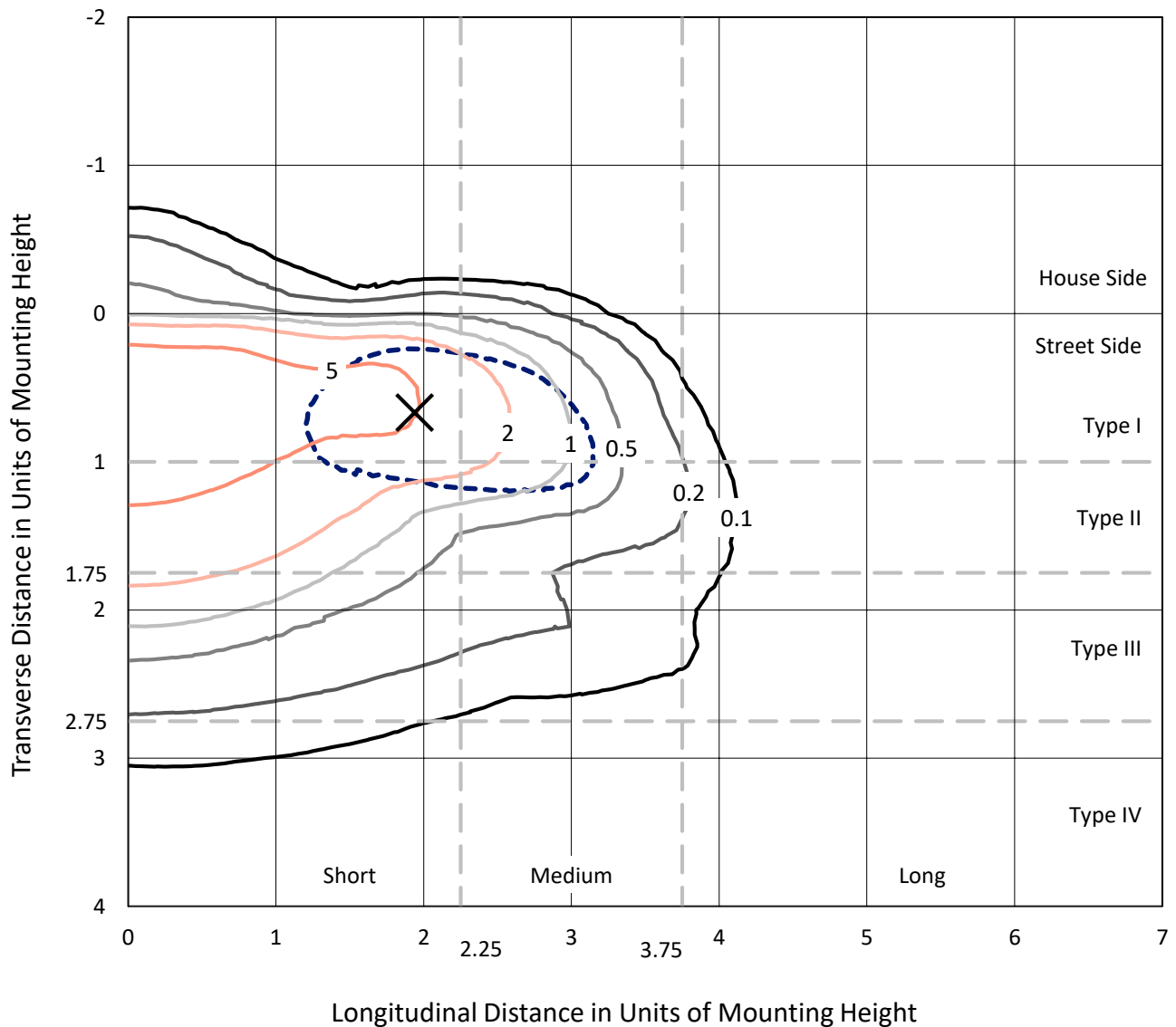
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

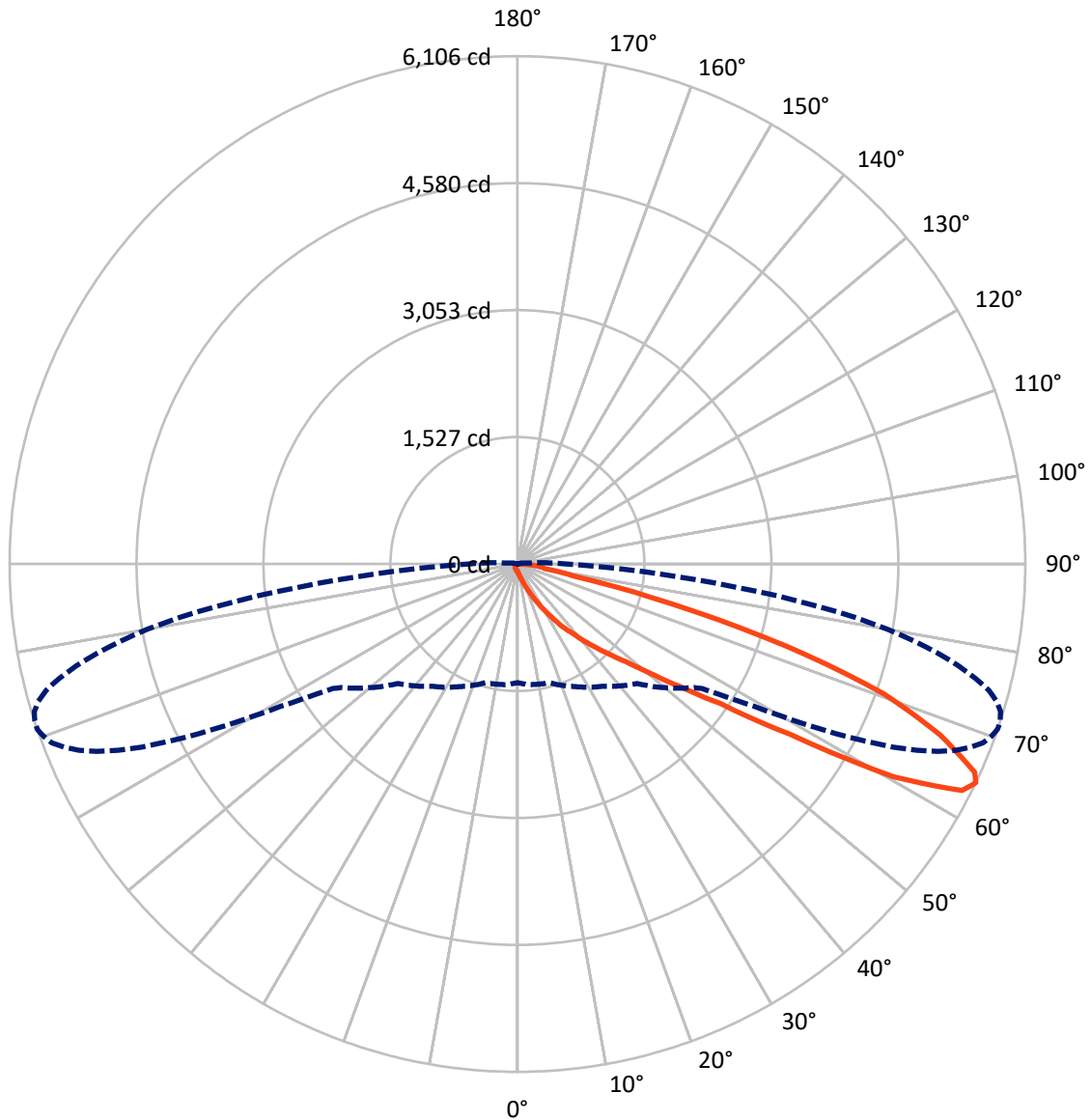
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.9 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical



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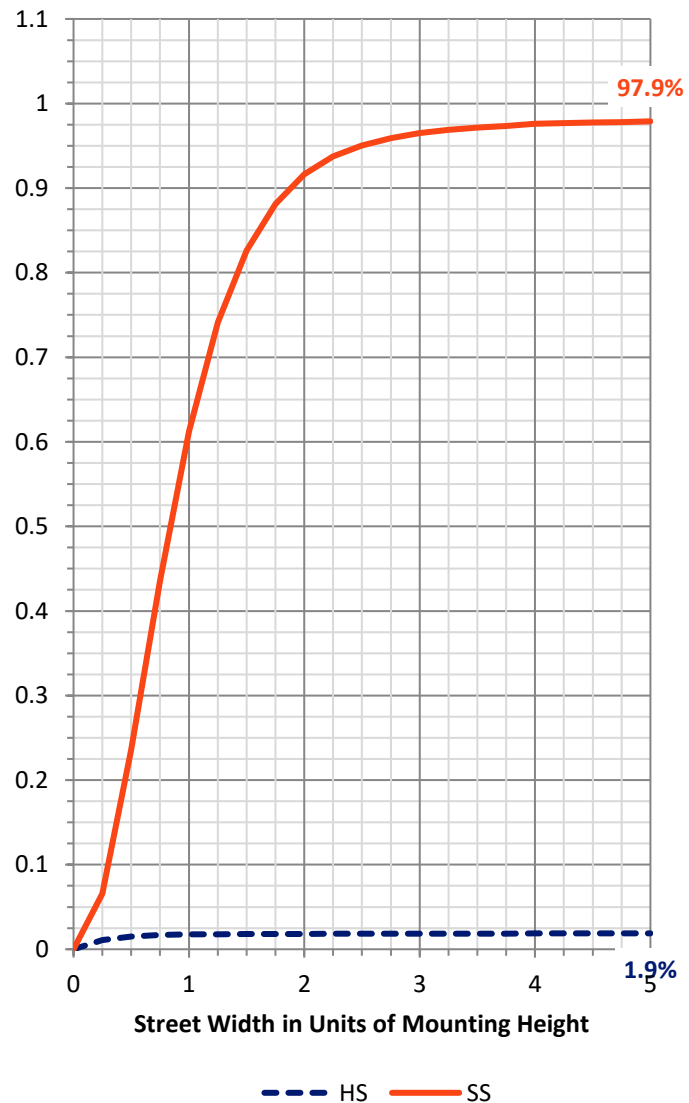
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	77.6	0.0	77.6
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3976.8	0.0	3976.8
	% Fixture	98.1	0.0	98.1
Total	Lumens	4054.5	0.0	4054.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	12.4	0.3
10°-20°	73.3	1.8
20°-30°	187.2	4.6
30°-40°	378.7	9.3
40°-50°	692.3	17.1
50°-60°	1078.6	26.6
60°-70°	1198.9	29.6
70°-80°	391.0	9.6
80°-90°	42.1	1.0
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°	4054.5	100.0
0°-180°	4054.5	100.0

Coefficient of Utilization



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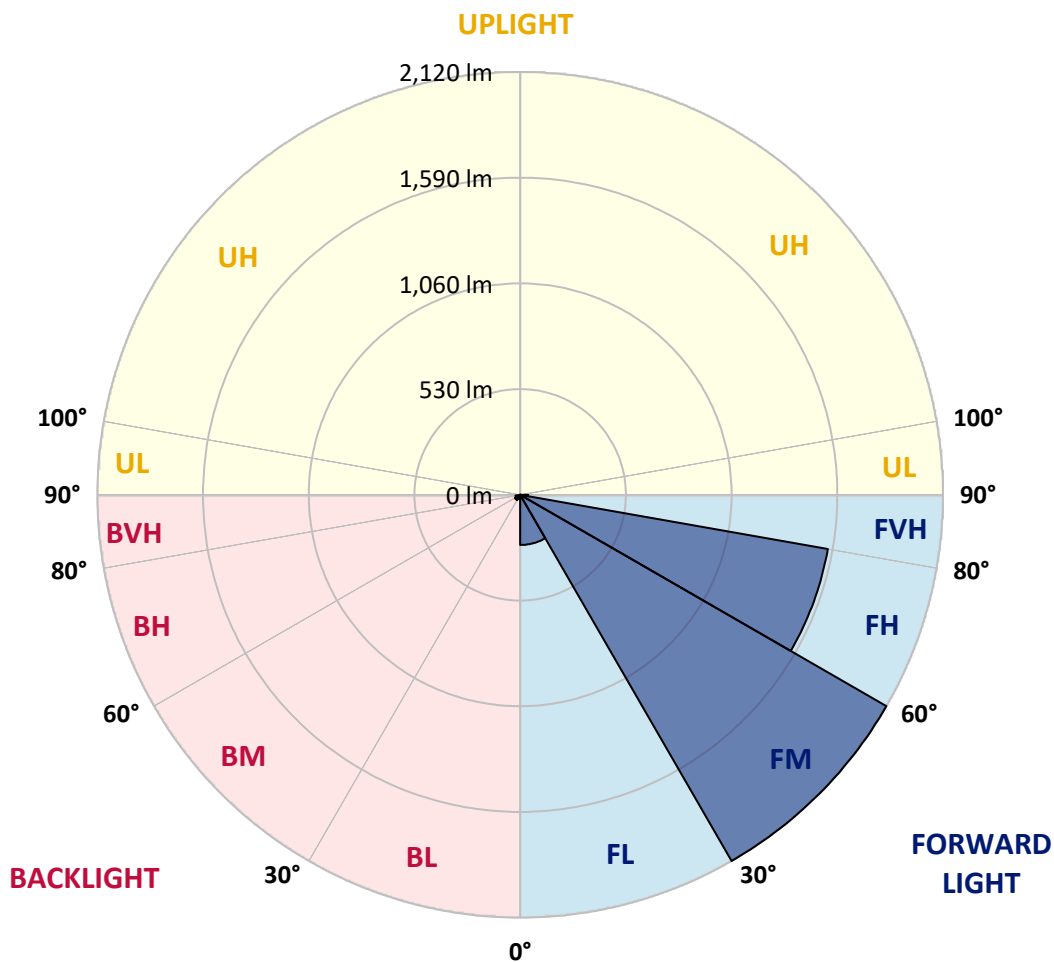
CATALOG NUMBER: AVM-E03-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	251.4	6.2			
FM	(30°-60°)	2119.6	52.3			
FH	(60°-80°)	1565.9	38.6			G1/1800
FVH	(80°-90°)	40.0	1.0			G1/100
BL	(0°-30°)	21.6	0.5	B0/110		
BM	(30°-60°)	30.0	0.7	B0/220		
BH	(60°-80°)	24.0	0.6	B0/110		G0/110
BVH	(80°-90°)	2.0	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	121.5	119.8	119.8	117.3	113.9	110.6	107.2	106.3	105.5	104.7	104.7
5°	190.7	184.0	181.5	172.2	160.4	146.0	133.4	130.0	130.0	127.4	125.8
7.5°	299.6	296.2	278.5	269.2	241.4	206.8	170.5	167.1	166.3	162.9	157.8
10°	438.9	432.1	419.5	392.5	341.8	281.9	230.4	222.0	216.1	209.3	202.6
12.5°	578.1	569.7	551.1	507.2	456.6	379.8	297.1	289.5	280.2	270.9	259.9
15°	717.4	711.5	682.8	638.9	573.1	481.1	376.4	362.9	355.3	336.8	328.3
17.5°	838.1	830.5	807.7	757.9	689.5	588.3	464.2	447.3	434.7	423.7	403.4
20°	942.7	935.1	913.2	871.8	795.0	695.4	558.7	550.3	527.5	510.6	498.8
22.5°	1006.9	1004.3	990.0	950.3	882.0	793.4	666.8	653.2	638.1	615.3	601.8
25°	1046.5	1044.0	1035.6	1007.7	961.3	896.3	785.8	768.9	755.4	735.1	718.2
27.5°	1087.9	1086.2	1079.5	1055.0	1030.5	990.0	906.4	897.2	867.6	855.8	839.8
30°	1156.3	1148.7	1154.6	1142.8	1111.5	1086.2	1028.0	1014.5	1001.8	981.6	967.2
32.5°	1265.1	1252.5	1265.1	1252.5	1239.0	1208.6	1152.9	1148.7	1136.0	1123.4	1103.1
35°	1398.5	1393.4	1403.6	1414.5	1403.6	1363.0	1295.5	1282.9	1277.8	1257.5	1250.0
37.5°	1532.7	1542.0	1560.5	1585.0	1578.3	1548.7	1453.4	1441.5	1432.3	1414.5	1401.0
40°	1677.0	1677.9	1717.5	1753.0	1770.7	1753.0	1627.2	1617.9	1605.3	1580.0	1576.6
42.5°	1834.0	1827.2	1856.8	1896.4	1932.7	1957.2	1856.8	1839.1	1821.3	1792.6	1773.2
45°	1973.3	1973.3	1996.9	2034.0	2089.7	2151.3	2099.0	2080.4	2063.6	2039.9	2018.0
47.5°	2076.2	2077.1	2091.4	2145.4	2232.4	2324.4	2326.0	2329.4	2316.8	2288.9	2289.7
50°	2148.8	2139.5	2158.9	2211.3	2311.7	2456.0	2559.8	2565.7	2575.9	2553.1	2559.8
52.5°	2202.0	2197.8	2210.4	2254.3	2354.7	2531.1	2751.4	2776.7	2791.9	2795.3	2823.1
55°	2174.1	2176.7	2207.0	2270.3	2378.4	2580.9	2914.3	2955.7	2991.1	3021.5	3056.1
57.5°	2082.1	2089.7	2142.9	2241.6	2383.4	2621.4	3087.3	3150.6	3217.3	3298.3	3366.7
60°	1935.3	1953.0	2024.7	2163.1	2334.5	2568.3	3138.8	3235.9	3338.0	3461.2	3598.8
62.5°	1720.1	1723.4	1770.7	1904.9	2093.9	2285.5	2902.5	3026.6	3161.6	3339.7	3532.1
64°	1425.5	1455.9	1477.8	1625.5	1794.3	2033.2	2590.2	2676.3	2864.5	3083.1	3325.3
65°	1176.5	1212.8	1230.5	1378.2	1571.5	1799.4	2318.4	2410.4	2608.8	2830.7	3132.9
67.5°	693.8	669.3	720.8	807.7	969.7	1239.8	1563.9	1634.0	1781.7	2045.8	2287.2
70°	447.3	447.3	494.6	583.2	733.4	940.2	1074.4	1044.9	1076.1	1178.2	1348.7
72.5°	287.0	302.1	330.8	406.0	545.2	788.3	1098.0	958.8	886.2	852.4	850.7
75°	130.8	139.3	170.5	215.2	291.2	514.0	1107.3	1046.5	979.9	915.7	865.9
77.5°	27.9	32.1	54.0	111.4	141.8	237.2	785.8	876.9	949.5	970.6	970.6
80°	14.3	15.2	22.8	52.3	60.8	80.2	303.0	398.4	491.2	613.6	741.9
82.5°	5.9	6.8	13.5	23.6	25.3	24.5	80.2	101.3	139.3	202.6	302.1
85°	1.7	1.7	5.9	9.3	13.5	11.0	17.7	20.3	26.2	38.0	72.6
87.5°	0.0	0.0	0.8	1.7	2.5	4.2	5.1	5.1	5.1	5.1	5.1
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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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	103.8	103.8	103.0	102.1	102.1	100.4	100.4	99.6	99.6	98.7	98.7
5°	124.9	123.2	121.5	119.0	118.2	116.5	114.8	113.1	111.4	110.6	108.9
7.5°	155.3	153.6	148.5	145.2	140.9	138.4	135.0	132.5	130.0	128.3	124.9
10°	195.8	189.9	187.4	175.6	173.0	167.1	162.0	158.7	151.9	147.7	143.5
12.5°	253.2	242.2	238.0	217.7	211.8	203.4	197.5	189.1	181.5	176.4	168.8
15°	318.2	309.7	293.7	273.5	262.5	253.2	238.8	232.1	222.0	211.0	200.0
17.5°	395.8	380.6	362.9	336.8	323.2	308.9	295.4	281.0	264.2	254.0	242.2
20°	486.1	470.1	448.2	415.2	399.2	384.9	361.2	351.1	330.8	310.6	295.4
22.5°	584.9	568.8	547.8	510.6	489.5	465.9	446.5	428.7	405.1	384.9	367.1
25°	696.3	677.7	661.7	618.6	592.5	568.0	546.9	515.7	495.4	471.8	447.3
27.5°	822.9	800.9	779.8	732.6	708.1	681.1	655.8	622.9	603.5	564.6	541.8
30°	952.9	925.9	903.9	855.8	833.9	806.0	771.4	741.9	709.0	682.8	645.7
32.5°	1089.6	1067.6	1049.9	999.3	971.4	936.8	905.6	874.4	845.7	803.5	769.7
35°	1235.6	1216.2	1196.8	1152.9	1128.4	1102.3	1066.8	1028.8	989.2	945.3	914.9
37.5°	1389.2	1374.0	1358.8	1305.7	1277.0	1249.1	1208.6	1170.6	1135.2	1088.7	1037.3
40°	1550.4	1536.1	1511.6	1467.7	1437.3	1412.0	1374.9	1339.4	1291.3	1239.8	1194.2
42.5°	1753.0	1721.7	1700.6	1652.5	1620.5	1592.6	1559.7	1506.5	1466.0	1404.4	1360.5
45°	1990.1	1960.6	1926.0	1877.0	1837.4	1791.8	1745.4	1709.1	1658.4	1602.7	1546.2
47.5°	2256.8	2233.2	2192.7	2144.6	2104.9	2059.3	2004.5	1958.1	1896.4	1831.5	1754.7
50°	2550.5	2526.1	2499.1	2445.0	2405.4	2362.3	2319.3	2264.4	2208.7	2131.1	2051.7
52.5°	2823.1	2828.2	2812.2	2786.9	2767.4	2722.7	2683.0	2630.7	2581.8	2510.9	2449.3
55°	3092.4	3136.3	3153.2	3177.6	3186.1	3149.8	3148.9	3072.1	3042.6	3001.2	2965.8
57.5°	3447.7	3544.8	3621.6	3770.1	3832.6	3895.9	3907.7	3853.7	3909.4	3837.6	3862.1
60°	3749.9	3927.9	4118.7	4502.7	4695.1	4840.3	4956.8	5042.8	5098.5	5193.1	5198.1
62.5°	3776.9	4057.1	4347.4	4907.8	5171.1	5391.4	5601.6	5748.4	5864.9	5972.1	5998.2
64°	3647.7	3994.6	4347.4	5025.1	5294.4	5539.1	5730.7	5876.7	5995.7	6062.4	6106.3
65°	3413.1	3801.3	4207.3	4947.5	5225.1	5485.1	5668.2	5815.1	5927.3	5994.0	6039.6
67.5°	2528.6	2904.2	3311.8	4173.5	4610.7	4848.7	5083.4	5289.3	5379.6	5464.0	5480.0
70°	1541.1	1813.7	2094.8	2894.0	3300.0	3727.9	3992.1	4293.4	4504.4	4634.4	4677.4
72.5°	930.1	1024.6	1192.6	1622.2	2011.2	2311.7	2677.1	2964.9	3201.3	3332.1	3397.9
75°	828.0	816.1	838.1	1017.0	1155.4	1336.0	1468.5	1649.2	1795.2	1840.7	1926.0
77.5°	957.1	923.3	888.7	855.0	848.2	831.3	804.3	811.1	746.9	685.3	687.0
80°	852.4	933.5	981.6	946.1	865.9	784.9	685.3	561.3	438.9	362.9	330.8
82.5°	427.9	608.5	782.4	954.6	942.7	871.0	761.3	625.4	484.5	372.2	297.1
85°	131.7	233.8	329.2	457.4	530.9	520.7	457.4	444.8	317.3	247.3	190.7
87.5°	5.9	5.9	5.9	5.1	5.9	5.9	5.9	6.8	6.8	7.6	7.6
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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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	98.7	97.9	97.1	96.2	96.2	96.2	95.4	95.4	94.5	94.5	93.7
5°	108.9	107.2	106.3	104.7	104.7	103.0	102.1	101.3	99.6	98.7	97.9
7.5°	122.4	120.7	118.2	115.6	114.8	112.3	109.7	108.0	106.3	104.7	103.0
10°	140.1	136.7	131.7	128.3	125.8	122.4	119.0	116.5	113.1	109.7	108.0
12.5°	162.9	156.1	151.1	145.2	140.1	135.0	129.1	125.8	122.4	117.3	113.9
15°	189.1	182.3	176.4	166.3	157.8	151.1	146.0	138.4	132.5	125.8	120.7
17.5°	233.8	216.1	204.2	194.1	185.7	173.0	162.9	154.5	146.9	138.4	132.5
20°	277.7	262.5	246.4	234.6	216.1	205.1	191.6	179.8	166.3	156.1	146.0
22.5°	341.8	322.4	302.1	284.4	259.1	243.9	226.2	211.0	194.1	177.2	166.3
25°	422.8	394.1	367.1	341.8	318.2	295.4	272.6	248.1	230.4	210.2	191.6
27.5°	508.1	476.0	449.8	416.9	386.5	358.7	330.0	303.8	273.5	247.3	225.3
30°	615.3	571.4	541.0	501.3	470.9	432.1	396.7	362.1	324.9	294.6	263.3
32.5°	724.1	694.6	643.1	609.4	563.8	517.4	480.2	440.6	395.0	355.3	317.3
35°	867.6	817.0	773.9	726.7	676.9	628.8	580.7	524.1	477.7	428.7	382.3
37.5°	994.2	942.7	892.9	831.3	774.8	724.1	665.9	606.8	552.0	493.7	438.0
40°	1141.1	1076.9	1017.9	960.5	890.4	830.5	769.7	696.3	633.0	568.8	503.0
42.5°	1301.4	1236.4	1166.4	1100.6	1023.8	950.3	875.2	801.8	730.9	653.2	576.4
45°	1477.0	1408.6	1330.1	1255.0	1171.5	1090.4	1001.0	916.6	833.0	746.1	657.5
47.5°	1694.7	1607.0	1534.4	1440.7	1336.9	1251.6	1141.9	1045.7	950.3	849.1	749.5
50°	1976.6	1877.0	1772.4	1668.6	1553.8	1445.8	1324.2	1210.3	1082.8	969.7	855.8
52.5°	2350.5	2276.2	2154.7	2035.7	1895.6	1758.0	1590.9	1443.2	1279.5	1135.2	995.9
55°	2881.4	2832.4	2726.9	2597.0	2474.6	2273.7	2081.3	1851.7	1639.0	1431.4	1235.6
57.5°	3842.7	3789.5	3672.2	3641.0	3452.8	3305.1	3079.7	2782.6	2422.3	2104.9	1788.4
60°	5226.8	5123.0	5008.2	4987.1	4766.0	4610.7	4387.1	4070.6	3731.3	3224.9	2793.6
62.5°	5999.9	5968.7	5875.9	5761.9	5570.3	5339.9	5088.4	4782.1	4437.7	3993.8	3480.6
64°	6103.7	6075.0	5994.9	5866.6	5674.2	5445.4	5166.9	4861.4	4516.2	4111.1	3642.7
65°	6038.8	5998.2	5929.9	5811.7	5632.8	5413.4	5133.2	4823.4	4473.2	4083.2	3647.7
67.5°	5514.6	5496.1	5433.6	5323.9	5211.6	5014.2	4767.7	4490.9	4204.8	3818.2	3461.2
70°	4682.5	4669.0	4589.6	4545.7	4360.1	4235.1	4036.0	3818.2	3565.0	3295.8	2991.9
72.5°	3471.3	3425.8	3361.6	3294.9	3169.2	2997.9	2842.6	2610.5	2479.6	2252.6	2081.3
75°	1840.7	1812.0	1712.5	1573.2	1417.9	1337.7	1176.5	1032.2	917.4	865.9	741.9
77.5°	636.4	579.8	524.1	461.7	366.3	288.6	230.4	184.0	145.2	128.3	107.2
80°	317.3	301.3	283.6	248.1	208.5	168.0	131.7	103.8	85.2	72.6	65.0
82.5°	257.4	227.9	203.4	178.1	142.6	117.3	92.8	76.0	62.5	54.9	48.1
85°	151.9	116.5	88.6	80.2	62.5	54.0	46.4	39.7	33.8	32.1	29.5
87.5°	5.9	7.6	7.6	5.9	7.6	6.8	6.8	5.9	5.9	5.9	5.9
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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	93.7	92.8	92.8	92.0	91.2	91.2	91.2	90.3	88.6	85.2	82.7
5°	97.1	96.2	95.4	93.7	92.8	92.0	91.2	91.2	86.9	81.0	76.8
7.5°	101.3	99.6	97.9	96.2	95.4	93.7	92.0	91.2	85.2	77.6	73.4
10°	105.5	103.0	100.4	99.6	97.1	95.4	92.8	91.2	84.4	75.1	69.2
12.5°	110.6	107.2	103.8	101.3	97.9	96.2	93.7	91.2	82.7	72.6	65.8
15°	116.5	111.4	107.2	104.7	101.3	97.1	93.7	91.2	81.0	70.1	62.5
17.5°	124.1	118.2	113.1	108.0	103.0	98.7	95.4	92.0	78.5	66.7	58.2
20°	135.9	128.3	119.8	113.9	107.2	102.1	96.2	92.0	76.8	63.3	54.9
22.5°	151.9	140.1	130.8	120.7	112.3	105.5	98.7	93.7	74.3	59.9	50.6
25°	174.7	159.5	144.3	131.7	120.7	111.4	103.0	96.2	72.6	57.4	48.1
27.5°	200.0	182.3	162.0	146.9	131.7	118.2	108.9	100.4	72.6	55.7	45.6
30°	235.5	210.2	185.7	166.3	146.0	130.8	117.3	106.3	72.6	54.9	43.0
32.5°	278.5	249.8	218.6	190.7	167.1	145.2	128.3	113.9	74.3	53.2	41.4
35°	338.4	296.2	259.1	224.5	193.3	168.0	146.0	126.6	76.8	52.3	38.8
37.5°	385.7	335.1	287.8	248.1	211.8	180.6	152.8	131.7	74.3	49.0	36.3
40°	442.3	384.9	327.5	277.7	236.3	195.8	163.7	138.4	72.6	44.7	32.9
42.5°	510.6	438.9	372.2	315.7	264.2	216.1	178.1	146.9	72.6	42.2	30.4
45°	574.8	496.3	422.0	351.1	291.2	238.0	191.6	156.1	71.7	39.7	27.0
47.5°	654.1	561.3	474.3	392.5	323.2	258.3	205.9	164.6	70.9	37.1	24.5
50°	747.8	634.7	536.8	438.9	354.5	282.7	222.8	173.9	69.2	34.6	21.9
52.5°	851.6	730.1	605.1	492.0	393.3	308.9	238.8	182.3	66.7	32.1	19.4
55°	1035.6	868.5	720.8	580.7	452.4	347.7	262.5	195.0	64.1	29.5	16.9
57.5°	1477.0	1200.2	990.8	779.8	595.9	446.5	326.6	231.3	60.8	26.2	13.5
60°	2319.3	1862.7	1507.4	1182.4	901.4	685.3	481.1	341.8	65.0	21.9	11.8
62.5°	2975.1	2450.1	1997.7	1590.1	1234.8	938.5	700.5	510.6	93.7	19.4	9.3
64°	3146.4	2614.7	2131.9	1704.9	1335.2	1029.7	781.5	577.3	120.7	19.4	8.4
65°	3171.7	2665.3	2180.0	1747.1	1369.8	1054.1	805.2	599.2	131.7	20.3	7.6
67.5°	3067.1	2635.8	2194.4	1764.8	1396.0	1087.9	837.2	633.8	148.5	19.4	5.9
70°	2678.8	2361.5	1998.6	1650.8	1316.6	1033.9	805.2	614.4	155.3	18.6	5.1
72.5°	1823.0	1604.4	1390.1	1143.6	916.6	755.4	587.4	433.0	108.9	15.2	4.2
75°	607.7	592.5	530.0	401.7	337.6	274.3	219.4	168.8	41.4	9.3	4.2
77.5°	101.3	86.9	76.0	72.6	60.8	59.1	51.5	41.4	17.7	5.9	4.2
80°	59.1	54.0	47.3	42.2	37.1	32.9	27.9	23.6	11.0	4.2	5.1
82.5°	43.9	38.8	34.6	30.4	26.2	22.8	19.4	16.0	5.9	4.2	5.1
85°	25.3	21.9	19.4	16.9	13.5	11.8	10.1	8.4	4.2	4.2	4.2
87.5°	5.1	5.1	4.2	4.2	4.2	4.2	4.2	3.4	4.2	4.2	3.4
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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CATALOG NUMBER: AVM-E03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	90.3	90.3	90.3	90.3	90.3	90.3	90.3
2.5°	81.0	78.5	77.6	77.6	77.6	77.6	77.6
5°	74.3	71.7	70.1	69.2	69.2	69.2	69.2
7.5°	69.2	65.8	64.1	62.5	62.5	61.6	61.6
10°	64.1	60.8	58.2	56.5	55.7	55.7	55.7
12.5°	59.9	56.5	53.2	51.5	51.5	50.6	50.6
15°	56.5	51.5	49.0	47.3	47.3	46.4	46.4
17.5°	52.3	48.1	45.6	43.9	43.0	43.0	43.0
20°	48.1	43.9	41.4	40.5	39.7	39.7	38.8
22.5°	44.7	40.5	38.0	37.1	36.3	36.3	35.4
25°	41.4	37.1	34.6	33.8	32.9	32.1	32.1
27.5°	38.8	34.6	32.1	30.4	29.5	28.7	28.7
30°	36.3	31.2	28.7	27.0	26.2	25.3	25.3
32.5°	33.8	28.7	25.3	23.6	22.8	21.9	21.9
35°	30.4	25.3	21.9	21.1	20.3	19.4	18.6
37.5°	27.9	21.9	19.4	17.7	16.9	16.0	16.0
40°	24.5	19.4	16.9	15.2	13.5	12.7	12.7
42.5°	21.9	16.9	14.3	11.8	11.0	10.1	10.1
45°	19.4	15.2	11.8	9.3	8.4	7.6	7.6
47.5°	16.9	12.7	9.3	7.6	6.8	5.9	5.9
50°	14.3	10.1	6.8	5.1	5.9	5.1	5.1
52.5°	12.7	7.6	5.1	5.1	5.1	5.1	5.1
55°	10.1	5.9	4.2	4.2	5.1	5.1	5.1
57.5°	8.4	4.2	3.4	4.2	4.2	4.2	4.2
60°	5.9	3.4	3.4	4.2	4.2	4.2	4.2
62.5°	5.1	3.4	3.4	3.4	4.2	4.2	4.2
64°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
65°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
67.5°	4.2	3.4	3.4	3.4	4.2	4.2	4.2
70°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
72.5°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
75°	3.4	3.4	3.4	3.4	4.2	4.2	4.2
77.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
80°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
82.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
85°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
87.5°	3.4	3.4	3.4	4.2	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)