

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: P154201

Luminaire Tested: **AVM-E02-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154201
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-E02-LED-E-U-T2-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (42) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3286.2 lumens
Efficiency: N/A
Efficacy: 63.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

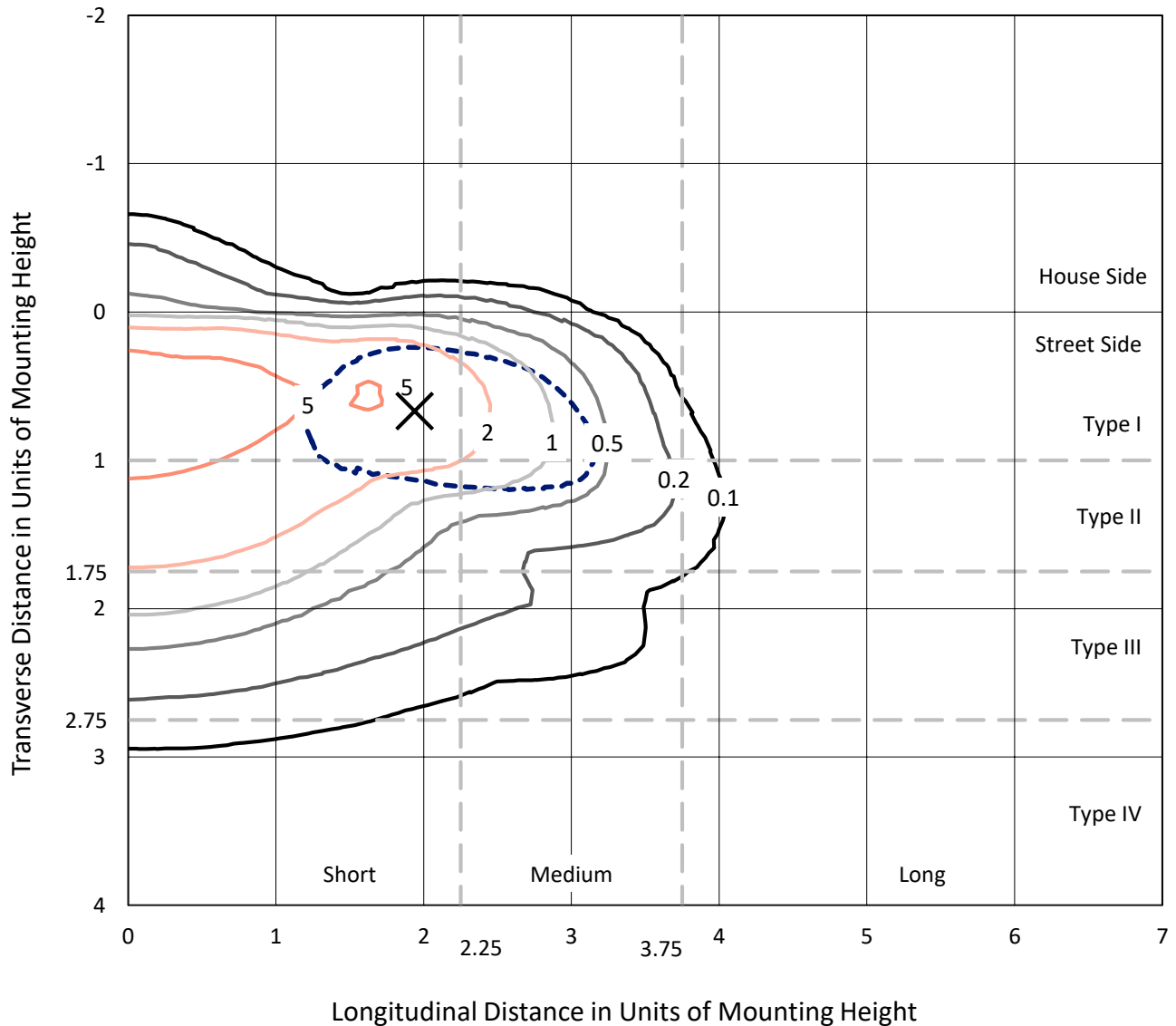
Input Watts (W): 52.1
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

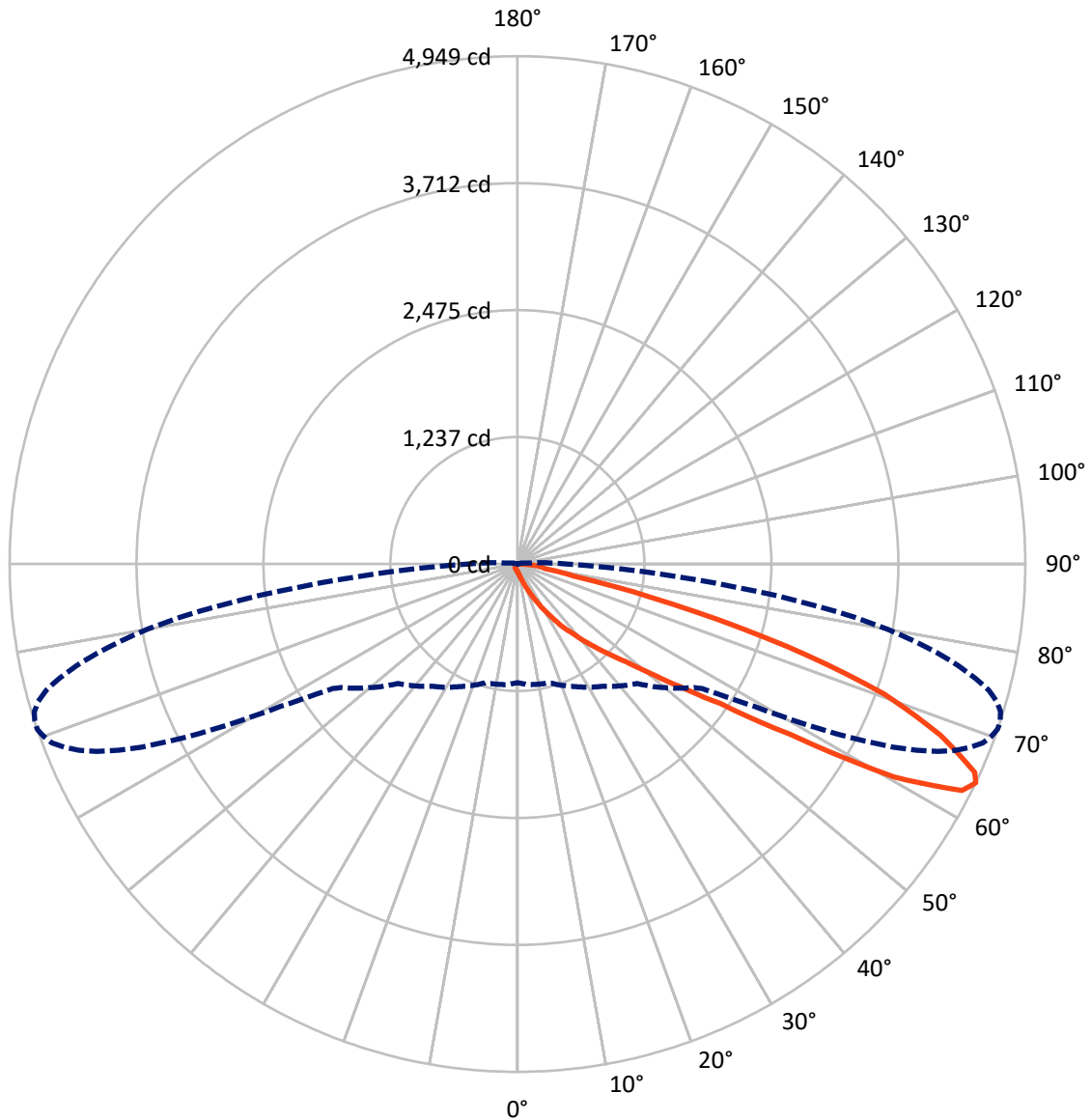
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.4 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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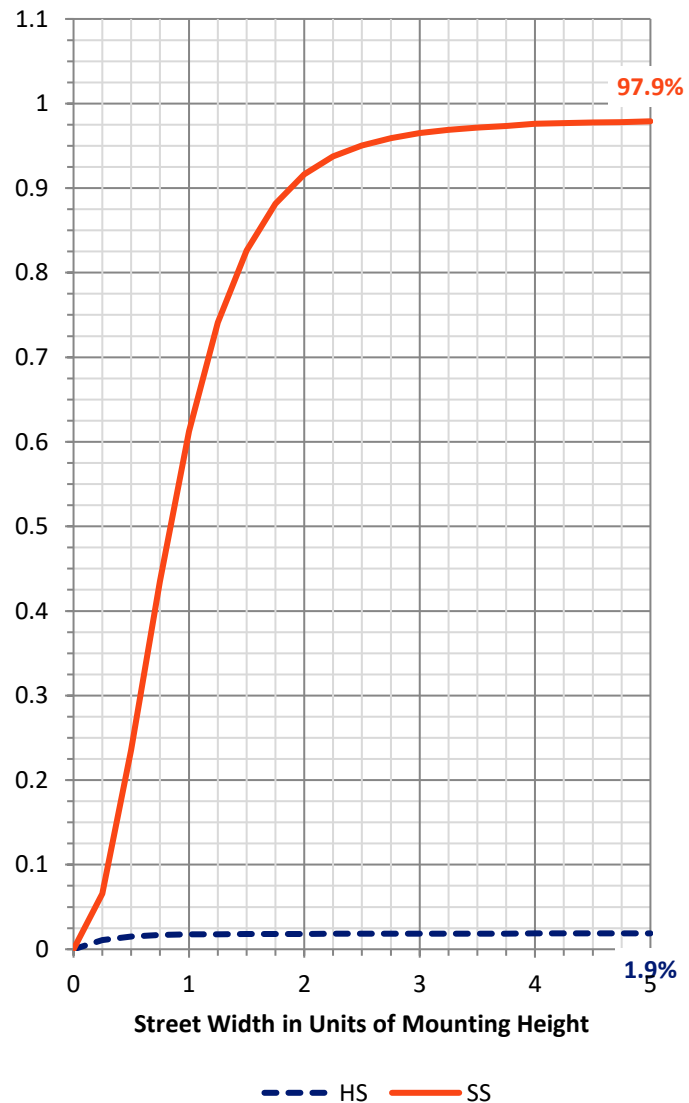
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	62.9	0.0	62.9
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3223.3	0.0	3223.3
	% Fixture	98.1	0.0	98.1
Total	Lumens	3286.2	0.0	3286.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.1	0.3
10°-20°	59.4	1.8
20°-30°	151.8	4.6
30°-40°	307.0	9.3
40°-50°	561.1	17.1
50°-60°	874.2	26.6
60°-70°	971.7	29.6
70°-80°	316.9	9.6
80°-90°	34.1	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°	3286.2	100.0
0°-180°	3286.2	100.0



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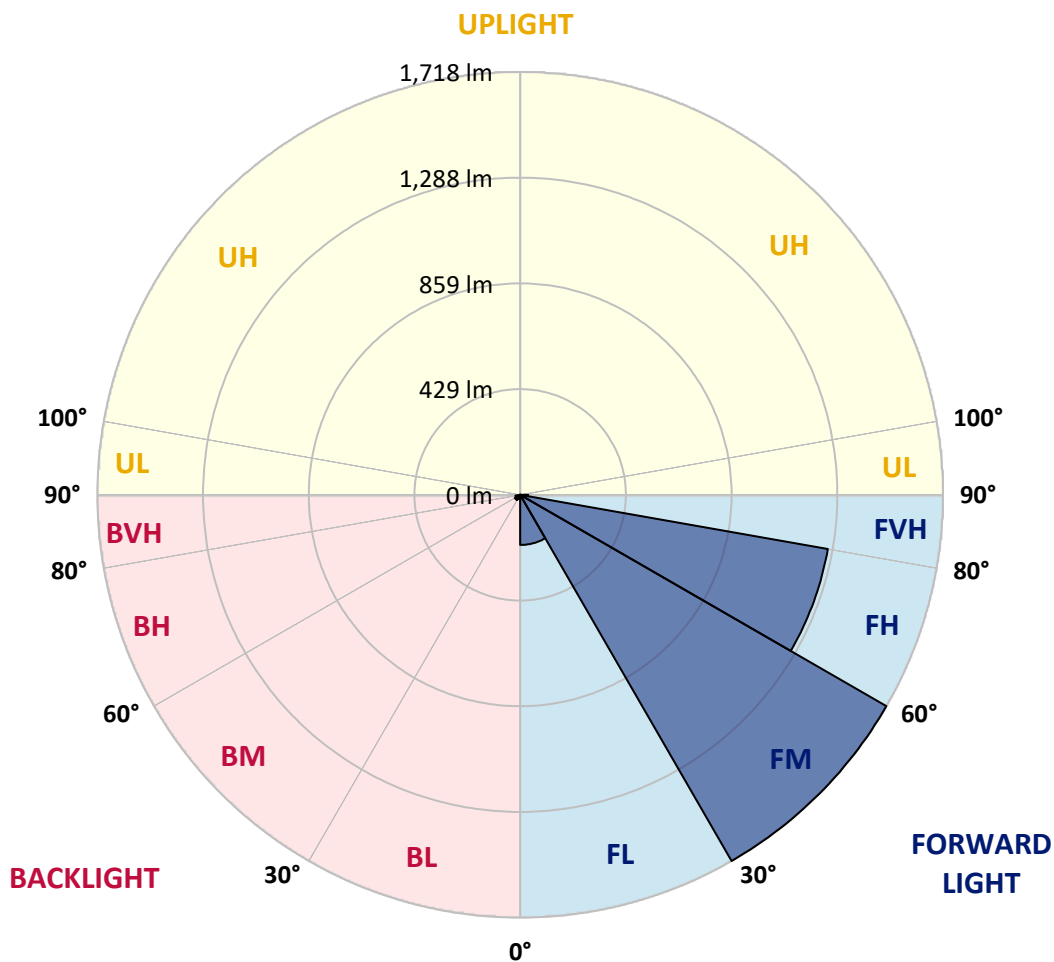
CATALOG NUMBER: AVM-E02-LED-E-U-T2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	203.7	6.2			
FM	(30°-60°)	1717.9	52.3			
FH	(60°-80°)	1269.2	38.6			G1/1800
FVH	(80°-90°)	32.5	1.0			G1/100
BL	(0°-30°)	17.5	0.5	B0/110		
BM	(30°-60°)	24.3	0.7	B0/220		
BH	(60°-80°)	19.4	0.6	B0/110		G0/110
BVH	(80°-90°)	1.6	0.0			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°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	98.5	97.1	97.1	95.1	92.3	89.6	86.9	86.2	85.5	84.8	84.8
5°	154.6	149.1	147.1	139.6	130.0	118.3	108.1	105.3	105.3	103.3	101.9
7.5°	242.8	240.1	225.7	218.2	195.6	167.6	138.2	135.4	134.8	132.0	127.9
10°	355.7	350.2	340.0	318.1	277.0	228.5	186.8	179.9	175.1	169.6	164.2
12.5°	468.6	461.7	446.7	411.1	370.1	307.8	240.8	234.6	227.1	219.6	210.7
15°	581.5	576.7	553.4	517.8	464.5	389.9	305.1	294.2	288.0	272.9	266.1
17.5°	679.3	673.1	654.7	614.3	558.9	476.8	376.2	362.6	352.3	343.4	327.0
20°	764.1	757.9	740.2	706.6	644.4	563.7	452.9	446.0	427.5	413.9	404.3
22.5°	816.1	814.0	802.4	770.3	714.9	643.0	540.4	529.5	517.2	498.7	487.7
25°	848.2	846.2	839.4	816.8	779.2	726.5	636.9	623.2	612.2	595.8	582.1
27.5°	881.8	880.4	874.9	855.1	835.2	802.4	734.7	727.2	703.2	693.6	680.6
30°	937.2	931.0	935.8	926.2	900.9	880.4	833.2	822.3	812.0	795.6	783.9
32.5°	1025.4	1015.2	1025.4	1015.2	1004.2	979.6	934.4	931.0	920.8	910.5	894.1
35°	1133.5	1129.4	1137.6	1146.5	1137.6	1104.8	1050.0	1039.8	1035.7	1019.3	1013.1
37.5°	1242.3	1249.8	1264.8	1284.7	1279.2	1255.3	1178.0	1168.4	1160.9	1146.5	1135.6
40°	1359.2	1359.9	1392.1	1420.8	1435.2	1420.8	1318.9	1311.4	1301.1	1280.6	1277.8
42.5°	1486.5	1481.0	1505.0	1537.1	1566.5	1586.4	1505.0	1490.6	1476.2	1453.0	1437.2
45°	1599.4	1599.4	1618.5	1648.6	1693.8	1743.7	1701.3	1686.2	1672.6	1653.4	1635.6
47.5°	1682.8	1683.5	1695.1	1738.9	1809.4	1883.9	1885.3	1888.0	1877.8	1855.2	1855.9
50°	1741.6	1734.1	1749.9	1792.3	1873.7	1990.6	2074.8	2079.6	2087.8	2069.3	2074.8
52.5°	1784.7	1781.3	1791.6	1827.2	1908.6	2051.5	2230.1	2250.6	2262.9	2265.6	2288.2
55°	1762.2	1764.2	1788.8	1840.1	1927.7	2091.9	2362.1	2395.6	2424.3	2449.0	2477.0
57.5°	1687.6	1693.8	1736.9	1816.9	1931.8	2124.7	2502.3	2553.6	2607.7	2673.3	2728.8
60°	1568.6	1582.9	1641.1	1753.3	1892.1	2081.6	2544.1	2622.7	2705.5	2805.4	2916.9
62.5°	1394.1	1396.9	1435.2	1543.9	1697.2	1852.5	2352.5	2453.1	2562.5	2706.9	2862.8
64°	1155.4	1180.0	1197.8	1317.5	1454.3	1647.9	2099.4	2169.2	2321.7	2498.9	2695.2
65°	953.6	983.0	997.4	1117.1	1273.7	1458.4	1879.1	1953.7	2114.5	2294.4	2539.3
67.5°	562.3	542.5	584.2	654.7	786.0	1004.9	1267.6	1324.4	1444.1	1658.2	1853.8
70°	362.6	362.6	400.9	472.7	594.5	762.1	870.8	846.9	872.2	955.0	1093.1
72.5°	232.6	244.9	268.2	329.0	441.9	638.9	890.0	777.1	718.3	690.9	689.5
75°	106.0	112.9	138.2	174.4	236.0	416.6	897.5	848.2	794.2	742.2	701.9
77.5°	22.6	26.0	43.8	90.3	114.9	192.2	636.9	710.7	769.6	786.7	786.7
80°	11.6	12.3	18.5	42.4	49.3	65.0	245.6	322.9	398.1	497.3	601.3
82.5°	4.8	5.5	10.9	19.2	20.5	19.8	65.0	82.1	112.9	164.2	244.9
85°	1.4	1.4	4.8	7.5	10.9	8.9	14.4	16.4	21.2	30.8	58.8
87.5°	0.0	0.0	0.7	1.4	2.1	3.4	4.1	4.1	4.1	4.1	4.1
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°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	84.1	84.1	83.5	82.8	82.8	81.4	81.4	80.7	80.7	80.0	80.0
5°	101.2	99.9	98.5	96.5	95.8	94.4	93.0	91.7	90.3	89.6	88.2
7.5°	125.9	124.5	120.4	117.7	114.2	112.2	109.5	107.4	105.3	104.0	101.2
10°	158.7	153.9	151.9	142.3	140.2	135.4	131.3	128.6	123.1	119.7	116.3
12.5°	205.2	196.3	192.9	176.5	171.7	164.9	160.1	153.2	147.1	143.0	136.8
15°	257.9	251.1	238.1	221.6	212.7	205.2	193.6	188.1	179.9	171.0	162.1
17.5°	320.8	308.5	294.2	272.9	262.0	250.4	239.4	227.8	214.1	205.9	196.3
20°	394.0	381.0	363.2	336.6	323.6	311.9	292.8	284.6	268.2	251.7	239.4
22.5°	474.1	461.1	444.0	413.9	396.8	377.6	361.9	347.5	328.4	311.9	297.6
25°	564.4	549.3	536.3	501.4	480.2	460.4	443.3	418.0	401.5	382.4	362.6
27.5°	667.0	649.2	632.1	593.8	573.9	552.0	531.5	504.8	489.1	457.6	439.2
30°	772.3	750.4	732.6	693.6	675.9	653.3	625.2	601.3	574.6	553.4	523.3
32.5°	883.1	865.3	851.0	809.9	787.4	759.3	734.0	708.7	685.4	651.2	623.9
35°	1001.5	985.7	970.0	934.4	914.6	893.4	864.7	833.9	801.7	766.2	741.5
37.5°	1126.0	1113.7	1101.4	1058.3	1035.0	1012.4	979.6	948.8	920.1	882.5	840.7
40°	1256.6	1245.0	1225.2	1189.6	1165.0	1144.4	1114.4	1085.6	1046.6	1004.9	968.0
42.5°	1420.8	1395.5	1378.4	1339.4	1313.4	1290.8	1264.2	1221.1	1188.2	1138.3	1102.7
45°	1613.0	1589.1	1561.0	1521.4	1489.2	1452.3	1414.7	1385.2	1344.2	1299.0	1253.2
47.5°	1829.2	1810.0	1777.2	1738.2	1706.1	1669.1	1624.7	1587.0	1537.1	1484.4	1422.2
50°	2067.3	2047.4	2025.5	1981.8	1949.6	1914.7	1879.8	1835.4	1790.2	1727.3	1663.0
52.5°	2288.2	2292.3	2279.3	2258.8	2243.1	2206.8	2174.7	2132.2	2092.6	2035.1	1985.2
55°	2506.4	2542.0	2555.7	2575.5	2582.4	2553.0	2552.3	2490.0	2466.1	2432.6	2403.8
57.5°	2794.4	2873.1	2935.3	3055.7	3106.4	3157.7	3167.2	3123.5	3168.6	3110.5	3130.3
60°	3039.3	3183.7	3338.3	3649.5	3805.5	3923.1	4017.5	4087.3	4132.5	4209.1	4213.2
62.5°	3061.2	3288.3	3523.6	3977.9	4191.3	4369.8	4540.2	4659.2	4753.6	4840.5	4861.7
64°	2956.6	3237.7	3523.6	4073.0	4291.2	4489.6	4644.8	4763.2	4859.6	4913.7	4949.2
65°	2766.4	3081.1	3410.1	4010.0	4235.1	4445.8	4594.2	4713.2	4804.2	4858.3	4895.2
67.5°	2049.5	2353.9	2684.3	3382.7	3737.1	3930.0	4120.2	4287.1	4360.3	4428.7	4441.7
70°	1249.1	1470.1	1697.9	2345.7	2674.7	3021.5	3235.7	3479.9	3650.9	3756.2	3791.1
72.5°	753.8	830.5	966.6	1314.8	1630.1	1873.7	2169.9	2403.1	2594.7	2700.7	2754.1
75°	671.1	661.5	679.3	824.3	936.5	1082.9	1190.3	1336.7	1455.0	1492.0	1561.0
77.5°	775.7	748.4	720.3	693.0	687.5	673.8	651.9	657.4	605.4	555.5	556.8
80°	690.9	756.6	795.6	766.8	701.9	636.2	555.5	454.9	355.7	294.2	268.2
82.5°	346.8	493.2	634.1	773.7	764.1	706.0	617.0	506.9	392.7	301.7	240.8
85°	106.7	189.5	266.8	370.8	430.3	422.1	370.8	360.5	257.2	200.4	154.6
87.5°	4.8	4.8	4.8	4.1	4.8	4.8	4.8	5.5	5.5	6.2	6.2
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°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	80.0	79.4	78.7	78.0	78.0	78.0	77.3	77.3	76.6	76.6	75.9
5°	88.2	86.9	86.2	84.8	84.8	83.5	82.8	82.1	80.7	80.0	79.4
7.5°	99.2	97.8	95.8	93.7	93.0	91.0	88.9	87.6	86.2	84.8	83.5
10°	113.6	110.8	106.7	104.0	101.9	99.2	96.5	94.4	91.7	88.9	87.6
12.5°	132.0	126.6	122.4	117.7	113.6	109.5	104.7	101.9	99.2	95.1	92.3
15°	153.2	147.8	143.0	134.8	127.9	122.4	118.3	112.2	107.4	101.9	97.8
17.5°	189.5	175.1	165.5	157.3	150.5	140.2	132.0	125.2	119.0	112.2	107.4
20°	225.1	212.7	199.7	190.2	175.1	166.2	155.3	145.7	134.8	126.6	118.3
22.5°	277.0	261.3	244.9	230.5	210.0	197.7	183.3	171.0	157.3	143.7	134.8
25°	342.7	319.5	297.6	277.0	257.9	239.4	221.0	201.1	186.8	170.3	155.3
27.5°	411.8	385.8	364.6	337.9	313.3	290.7	267.5	246.3	221.6	200.4	182.6
30°	498.7	463.1	438.5	406.3	381.7	350.2	321.5	293.5	263.4	238.7	213.4
32.5°	586.9	563.0	521.3	493.9	457.0	419.3	389.2	357.1	320.1	288.0	257.2
35°	703.2	662.2	627.3	589.0	548.6	509.6	470.6	424.8	387.2	347.5	309.9
37.5°	805.8	764.1	723.7	673.8	628.0	586.9	539.7	491.8	447.4	400.2	355.0
40°	924.9	872.9	825.0	778.5	721.7	673.1	623.9	564.4	513.1	461.1	407.7
42.5°	1054.8	1002.2	945.4	892.0	829.8	770.3	709.4	649.9	592.4	529.5	467.2
45°	1197.1	1141.7	1078.1	1017.2	949.5	883.8	811.3	742.9	675.2	604.7	532.9
47.5°	1373.6	1302.5	1243.6	1167.7	1083.6	1014.5	925.5	847.6	770.3	688.2	607.5
50°	1602.1	1521.4	1436.5	1352.4	1259.4	1171.8	1073.3	981.0	877.7	786.0	693.6
52.5°	1905.1	1844.9	1746.4	1650.0	1536.4	1424.9	1289.5	1169.8	1037.1	920.1	807.2
55°	2335.4	2295.7	2210.2	2104.9	2005.7	1842.9	1686.9	1500.9	1328.5	1160.2	1001.5
57.5°	3114.6	3071.5	2976.4	2951.1	2798.5	2678.8	2496.2	2255.4	1963.3	1706.1	1449.5
60°	4236.4	4152.3	4059.3	4042.2	3862.9	3737.1	3555.8	3299.3	3024.3	2613.8	2264.3
62.5°	4863.1	4837.7	4762.5	4670.1	4514.9	4328.1	4124.3	3875.9	3596.8	3237.0	2821.1
64°	4947.2	4923.9	4859.0	4755.0	4599.0	4413.6	4187.9	3940.2	3660.5	3332.1	2952.4
65°	4894.5	4861.7	4806.3	4710.5	4565.5	4387.6	4160.5	3909.5	3625.6	3309.5	2956.6
67.5°	4469.7	4454.7	4404.0	4315.1	4224.1	4064.1	3864.3	3639.9	3408.0	3094.7	2805.4
70°	3795.2	3784.3	3720.0	3684.4	3533.9	3432.7	3271.2	3094.7	2889.5	2671.3	2425.0
72.5°	2813.6	2776.6	2724.7	2670.6	2568.7	2429.8	2303.9	2115.8	2009.8	1825.8	1686.9
75°	1492.0	1468.7	1388.0	1275.1	1149.2	1084.3	953.6	836.6	743.6	701.9	601.3
77.5°	515.8	470.0	424.8	374.2	296.9	234.0	186.8	149.1	117.7	104.0	86.9
80°	257.2	244.2	229.8	201.1	169.0	136.1	106.7	84.1	69.1	58.8	52.7
82.5°	208.6	184.7	164.9	144.3	115.6	95.1	75.2	61.6	50.6	44.5	39.0
85°	123.1	94.4	71.8	65.0	50.6	43.8	37.6	32.2	27.4	26.0	23.9
87.5°	4.8	6.2	6.2	4.8	6.2	5.5	5.5	4.8	4.8	4.8	4.8
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°	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	75.9	75.2	75.2	74.6	73.9	73.9	73.9	73.2	71.8	69.1	67.0
5°	78.7	78.0	77.3	75.9	75.2	74.6	73.9	73.9	70.5	65.7	62.3
7.5°	82.1	80.7	79.4	78.0	77.3	75.9	74.6	73.9	69.1	62.9	59.5
10°	85.5	83.5	81.4	80.7	78.7	77.3	75.2	73.9	68.4	60.9	56.1
12.5°	89.6	86.9	84.1	82.1	79.4	78.0	75.9	73.9	67.0	58.8	53.4
15°	94.4	90.3	86.9	84.8	82.1	78.7	75.9	73.9	65.7	56.8	50.6
17.5°	100.6	95.8	91.7	87.6	83.5	80.0	77.3	74.6	63.6	54.0	47.2
20°	110.1	104.0	97.1	92.3	86.9	82.8	78.0	74.6	62.3	51.3	44.5
22.5°	123.1	113.6	106.0	97.8	91.0	85.5	80.0	75.9	60.2	48.6	41.0
25°	141.6	129.3	117.0	106.7	97.8	90.3	83.5	78.0	58.8	46.5	39.0
27.5°	162.1	147.8	131.3	119.0	106.7	95.8	88.2	81.4	58.8	45.1	36.9
30°	190.9	170.3	150.5	134.8	118.3	106.0	95.1	86.2	58.8	44.5	34.9
32.5°	225.7	202.5	177.2	154.6	135.4	117.7	104.0	92.3	60.2	43.1	33.5
35°	274.3	240.1	210.0	182.0	156.7	136.1	118.3	102.6	62.3	42.4	31.5
37.5°	312.6	271.6	233.3	201.1	171.7	146.4	123.8	106.7	60.2	39.7	29.4
40°	358.5	311.9	265.4	225.1	191.5	158.7	132.7	112.2	58.8	36.3	26.7
42.5°	413.9	355.7	301.7	255.8	214.1	175.1	144.3	119.0	58.8	34.2	24.6
45°	465.9	402.2	342.0	284.6	236.0	192.9	155.3	126.6	58.1	32.2	21.9
47.5°	530.2	454.9	384.4	318.1	262.0	209.3	166.9	133.4	57.5	30.1	19.8
50°	606.1	514.4	435.1	355.7	287.3	229.2	180.6	140.9	56.1	28.0	17.8
52.5°	690.2	591.7	490.5	398.8	318.8	250.4	193.6	147.8	54.0	26.0	15.7
55°	839.4	703.9	584.2	470.6	366.7	281.8	212.7	158.0	52.0	23.9	13.7
57.5°	1197.1	972.7	803.1	632.1	483.0	361.9	264.7	187.4	49.3	21.2	10.9
60°	1879.8	1509.7	1221.7	958.4	730.6	555.5	389.9	277.0	52.7	17.8	9.6
62.5°	2411.3	1985.9	1619.2	1288.8	1000.8	760.7	567.8	413.9	75.9	15.7	7.5
64°	2550.2	2119.2	1728.0	1381.8	1082.2	834.6	633.4	467.9	97.8	15.7	6.8
65°	2570.7	2160.3	1767.0	1416.0	1110.2	854.4	652.6	485.7	106.7	16.4	6.2
67.5°	2485.9	2136.4	1778.6	1430.4	1131.5	881.8	678.6	513.7	120.4	15.7	4.8
70°	2171.2	1914.0	1619.9	1338.0	1067.1	838.0	652.6	498.0	125.9	15.0	4.1
72.5°	1477.6	1300.4	1126.7	926.9	742.9	612.2	476.1	350.9	88.2	12.3	3.4
75°	492.5	480.2	429.6	325.6	273.6	222.3	177.9	136.8	33.5	7.5	3.4
77.5°	82.1	70.5	61.6	58.8	49.3	47.9	41.7	33.5	14.4	4.8	3.4
80°	47.9	43.8	38.3	34.2	30.1	26.7	22.6	19.2	8.9	3.4	4.1
82.5°	35.6	31.5	28.0	24.6	21.2	18.5	15.7	13.0	4.8	3.4	4.1
85°	20.5	17.8	15.7	13.7	10.9	9.6	8.2	6.8	3.4	3.4	3.4
87.5°	4.1	4.1	3.4	3.4	3.4	3.4	3.4	2.7	3.4	3.4	2.7
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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CATALOG NUMBER: AVM-E02-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	73.2	73.2	73.2	73.2	73.2	73.2	73.2
2.5°	65.7	63.6	62.9	62.9	62.9	62.9	62.9
5°	60.2	58.1	56.8	56.1	56.1	56.1	56.1
7.5°	56.1	53.4	52.0	50.6	50.6	49.9	49.9
10°	52.0	49.3	47.2	45.8	45.1	45.1	45.1
12.5°	48.6	45.8	43.1	41.7	41.7	41.0	41.0
15°	45.8	41.7	39.7	38.3	38.3	37.6	37.6
17.5°	42.4	39.0	36.9	35.6	34.9	34.9	34.9
20°	39.0	35.6	33.5	32.8	32.2	32.2	31.5
22.5°	36.3	32.8	30.8	30.1	29.4	29.4	28.7
25°	33.5	30.1	28.0	27.4	26.7	26.0	26.0
27.5°	31.5	28.0	26.0	24.6	23.9	23.3	23.3
30°	29.4	25.3	23.3	21.9	21.2	20.5	20.5
32.5°	27.4	23.3	20.5	19.2	18.5	17.8	17.8
35°	24.6	20.5	17.8	17.1	16.4	15.7	15.0
37.5°	22.6	17.8	15.7	14.4	13.7	13.0	13.0
40°	19.8	15.7	13.7	12.3	10.9	10.3	10.3
42.5°	17.8	13.7	11.6	9.6	8.9	8.2	8.2
45°	15.7	12.3	9.6	7.5	6.8	6.2	6.2
47.5°	13.7	10.3	7.5	6.2	5.5	4.8	4.8
50°	11.6	8.2	5.5	4.1	4.8	4.1	4.1
52.5°	10.3	6.2	4.1	4.1	4.1	4.1	4.1
55°	8.2	4.8	3.4	3.4	4.1	4.1	4.1
57.5°	6.8	3.4	2.7	3.4	3.4	3.4	3.4
60°	4.8	2.7	2.7	3.4	3.4	3.4	3.4
62.5°	4.1	2.7	2.7	2.7	3.4	3.4	3.4
64°	3.4	2.7	2.7	2.7	3.4	3.4	3.4
65°	3.4	2.7	2.7	2.7	3.4	3.4	3.4
67.5°	3.4	2.7	2.7	2.7	3.4	3.4	3.4
70°	2.7	2.7	2.7	2.7	3.4	3.4	3.4
72.5°	2.7	2.7	2.7	2.7	3.4	3.4	3.4
75°	2.7	2.7	2.7	2.7	3.4	3.4	3.4
77.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4
80°	2.7	2.7	2.7	3.4	3.4	3.4	3.4
82.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4
85°	2.7	2.7	2.7	3.4	3.4	3.4	3.4
87.5°	2.7	2.7	2.7	3.4	3.4	3.4	3.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)