

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: P154238

Luminaire Tested: **AVM-E06-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154238
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-E06-LED-E-U-T2-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(6) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (126) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8108.9 lumens
Efficiency: N/A
Efficacy: 53.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

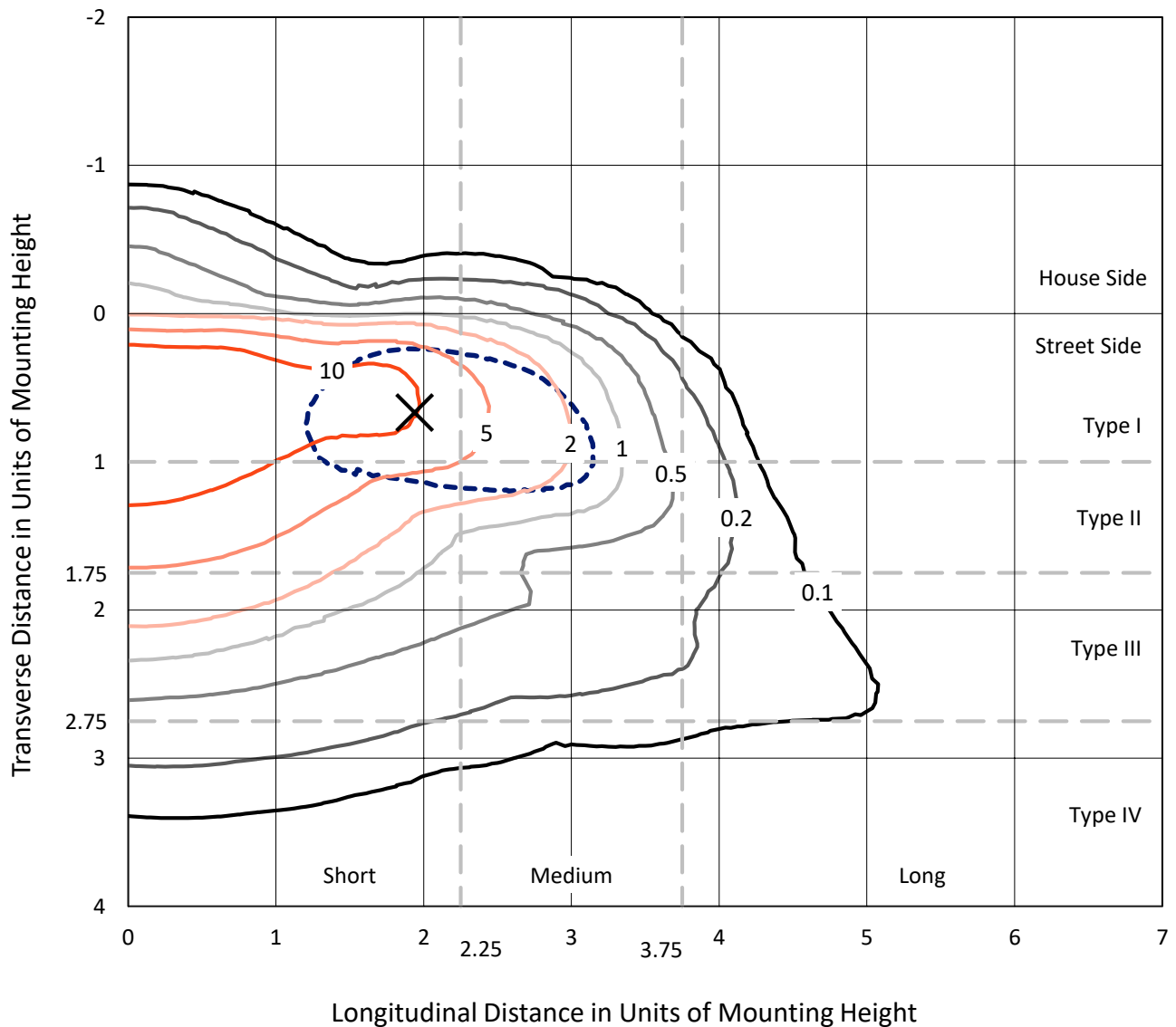
Input Watts (W): 150.5
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

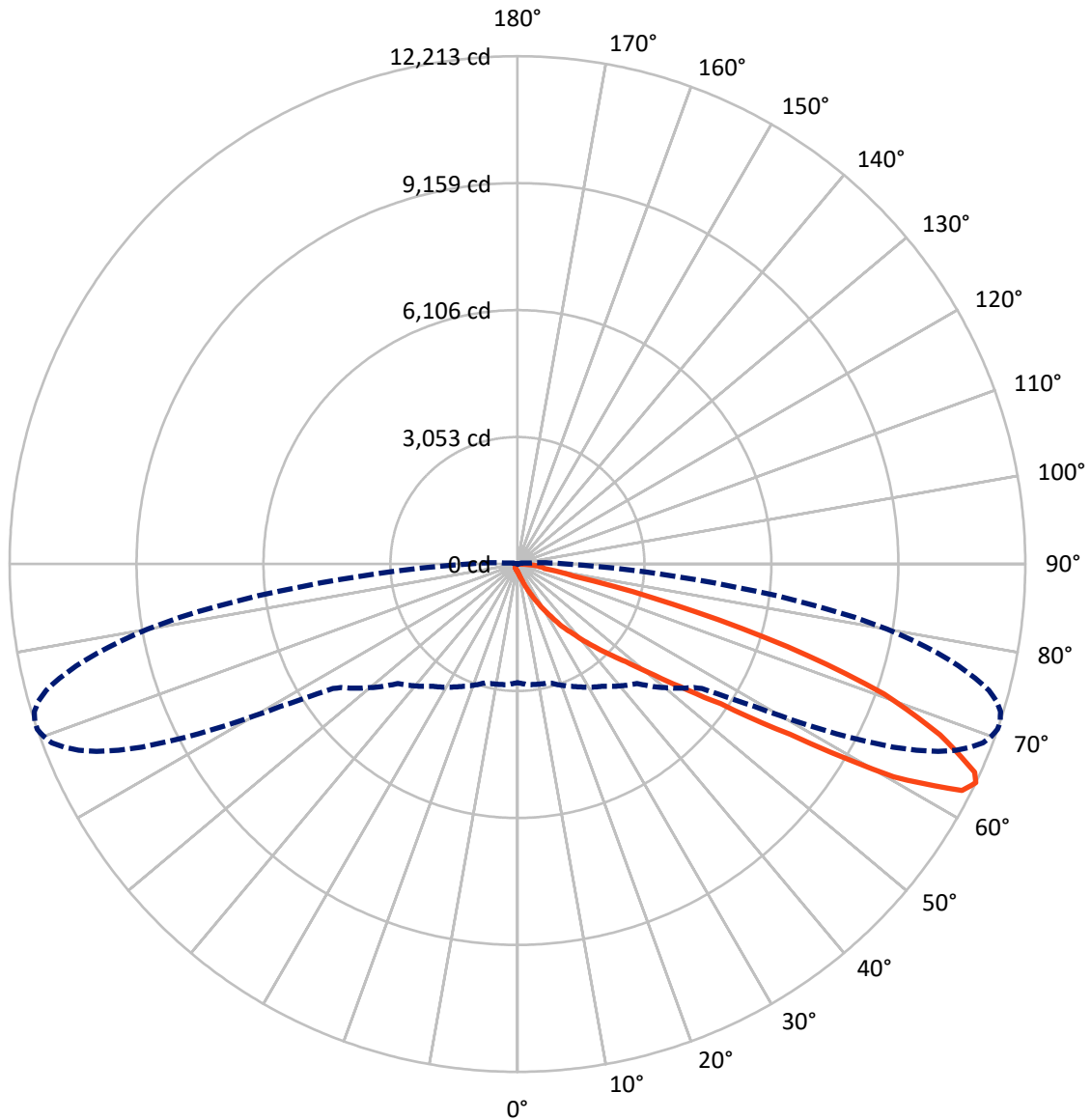
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.8 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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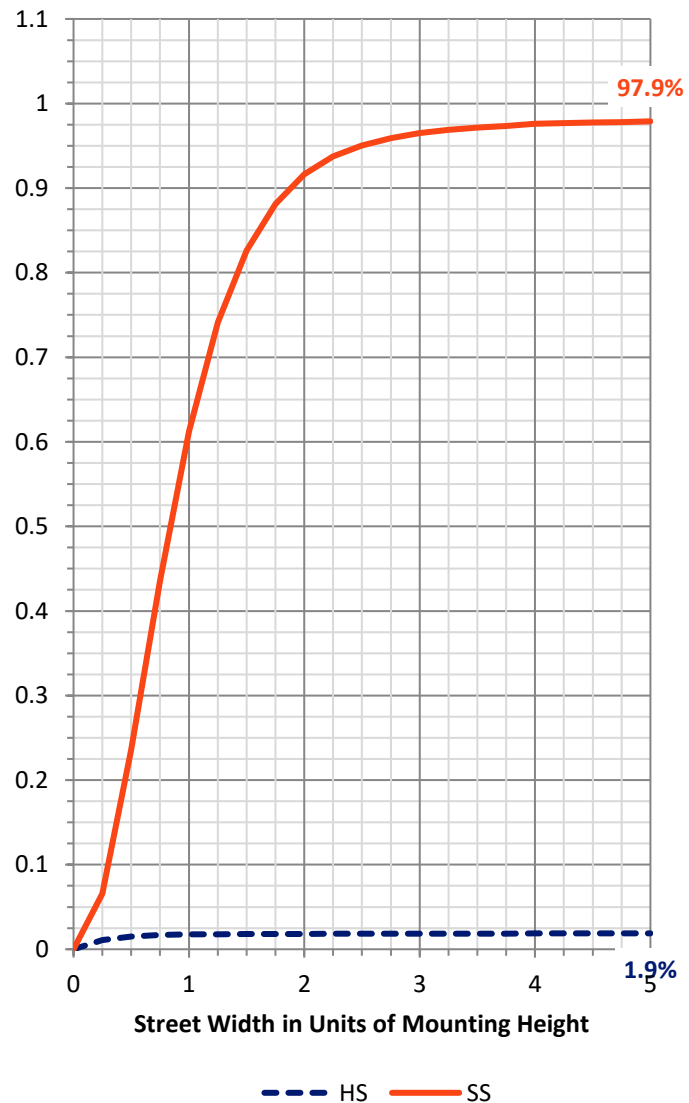
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	155.3	0.0	155.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	7953.6	0.0	7953.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	8108.9	0.0	8108.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	24.8	0.3
10°-20°	146.6	1.8
20°-30°	374.5	4.6
30°-40°	757.5	9.3
40°-50°	1384.6	17.1
50°-60°	2157.1	26.6
60°-70°	2397.7	29.6
70°-80°	782.0	9.6
80°-90°	84.1	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°	8108.9	100.0
0°-180°	8108.9	100.0



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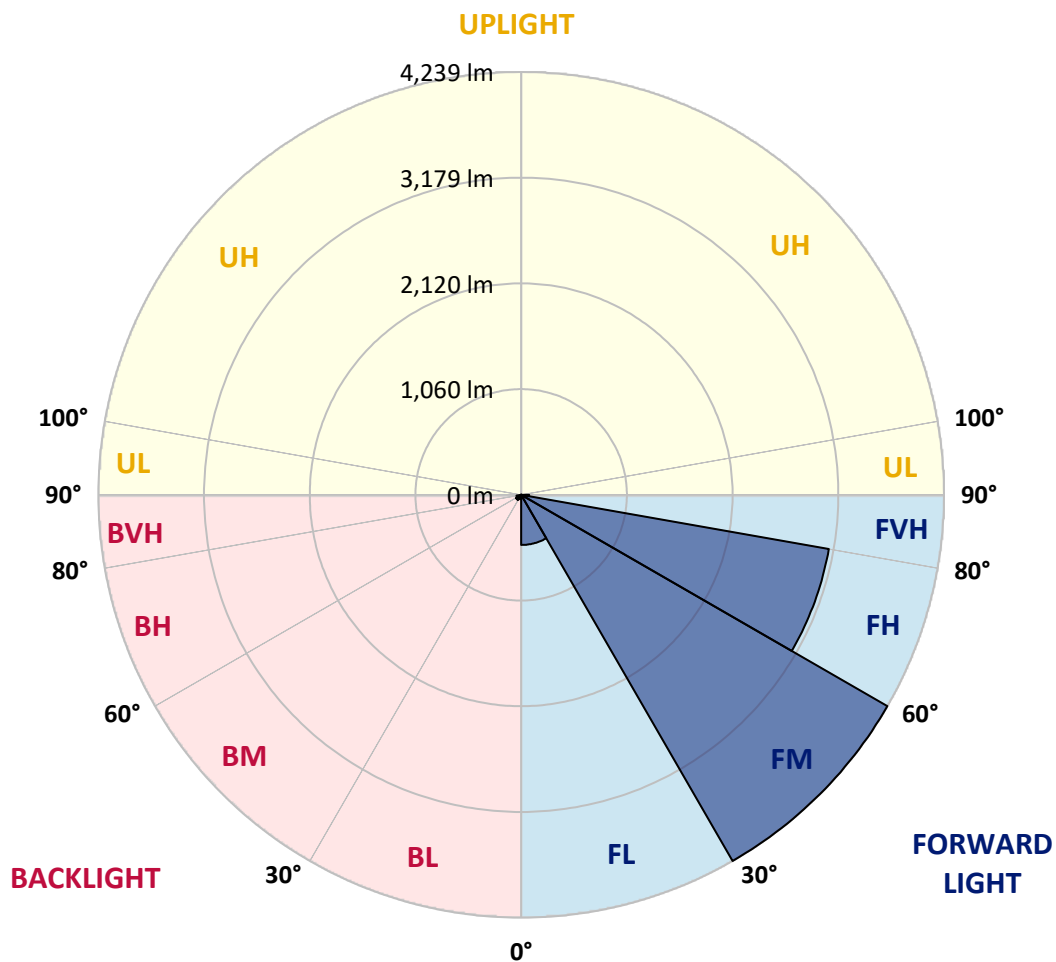
CATALOG NUMBER: AVM-E06-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	502.7	6.2			
FM	(30°-60°)	4239.1	52.3			
FH	(60°-80°)	3131.7	38.6			G2/5000
FVH	(80°-90°)	80.1	1.0			G1/100
BL	(0°-30°)	43.2	0.5	B0/110		
BM	(30°-60°)	60.0	0.7	B0/220		
BH	(60°-80°)	47.9	0.6	B0/110		G0/110
BVH	(80°-90°)	4.1	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	243.1	239.7	239.7	234.6	227.9	221.1	214.4	212.7	211.0	209.3	209.3
5°	381.5	368.0	362.9	344.3	320.7	292.0	266.7	259.9	259.9	254.9	251.5
7.5°	599.2	592.5	557.0	538.5	482.8	413.6	341.0	334.2	332.5	325.8	315.7
10°	877.8	864.2	838.9	784.9	683.6	563.8	460.8	443.9	432.1	418.6	405.1
12.5°	1156.3	1139.4	1102.3	1014.5	913.2	759.6	594.2	579.0	560.4	541.8	519.9
15°	1434.8	1423.0	1365.6	1277.8	1146.1	962.1	752.8	725.8	710.6	673.5	656.6
17.5°	1676.2	1661.0	1615.4	1515.8	1379.1	1176.5	928.4	894.6	869.3	847.4	806.9
20°	1885.5	1870.3	1826.4	1743.7	1590.1	1390.9	1117.4	1100.6	1055.0	1021.2	997.6
22.5°	2013.8	2008.7	1980.0	1900.7	1763.9	1586.7	1333.5	1306.5	1276.1	1230.5	1203.5
25°	2093.1	2088.0	2071.2	2015.5	1922.6	1792.6	1571.5	1537.8	1510.7	1470.2	1436.5
27.5°	2175.8	2172.4	2158.9	2110.0	2061.0	1980.0	1812.9	1794.3	1735.2	1711.6	1679.5
30°	2312.5	2297.3	2309.2	2285.5	2223.1	2172.4	2056.0	2029.0	2003.6	1963.1	1934.4
32.5°	2530.3	2505.0	2530.3	2505.0	2478.0	2417.2	2305.8	2297.3	2272.0	2246.7	2206.2
35°	2797.0	2786.9	2807.1	2829.1	2807.1	2726.1	2591.1	2565.7	2555.6	2515.1	2499.9
37.5°	3065.4	3083.9	3121.1	3170.0	3156.5	3097.4	2906.7	2883.1	2864.5	2829.1	2802.0
40°	3354.0	3355.7	3435.0	3505.9	3541.4	3505.9	3254.4	3235.9	3210.5	3159.9	3153.2
42.5°	3668.0	3654.5	3713.6	3792.9	3865.5	3914.4	3713.6	3678.1	3642.7	3585.3	3546.4
45°	3946.5	3946.5	3993.8	4068.0	4179.4	4302.7	4198.0	4160.9	4127.1	4079.9	4036.0
47.5°	4152.4	4154.1	4182.8	4290.8	4464.7	4648.7	4652.1	4658.8	4633.5	4577.8	4579.5
50°	4297.6	4279.0	4317.9	4422.5	4623.4	4912.0	5119.6	5131.5	5151.7	5106.1	5119.6
52.5°	4403.9	4395.5	4420.8	4508.6	4709.5	5062.3	5502.8	5553.5	5583.8	5590.6	5646.3
55°	4348.2	4353.3	4414.1	4540.7	4756.7	5161.8	5828.6	5911.3	5982.2	6043.0	6112.2
57.5°	4164.3	4179.4	4285.8	4483.3	4766.9	5242.9	6174.6	6301.2	6434.6	6596.6	6733.4
60°	3870.5	3906.0	4049.5	4326.3	4669.0	5136.5	6277.6	6471.7	6676.0	6922.4	7197.6
62.5°	3440.1	3446.9	3541.4	3809.8	4187.9	4571.1	5805.0	6053.1	6323.2	6679.3	7064.2
64°	2851.0	2911.8	2955.7	3251.1	3588.6	4066.3	5180.4	5352.6	5729.0	6166.2	6650.6
65°	2353.0	2425.6	2461.1	2756.5	3143.0	3598.8	4636.9	4820.9	5217.6	5661.5	6265.8
67.5°	1387.5	1338.6	1441.5	1615.4	1939.5	2479.6	3127.8	3267.9	3563.3	4091.7	4574.4
70°	894.6	894.6	989.2	1166.4	1466.9	1880.4	2148.8	2089.7	2152.2	2356.4	2697.4
72.5°	573.9	604.3	661.7	811.9	1090.4	1576.6	2196.1	1917.5	1772.4	1704.9	1701.5
75°	261.6	278.5	341.0	430.4	582.4	1028.0	2214.6	2093.1	1959.7	1831.5	1731.9
77.5°	55.7	64.1	108.0	222.8	283.6	474.3	1571.5	1753.8	1899.0	1941.2	1941.2
80°	28.7	30.4	45.6	104.7	121.5	160.4	606.0	796.7	982.4	1227.2	1483.7
82.5°	11.8	13.5	27.0	47.3	50.6	49.0	160.4	202.6	278.5	405.1	604.3
85°	3.4	3.4	11.8	18.6	27.0	21.9	35.4	40.5	52.3	76.0	145.2
87.5°	0.0	0.0	1.7	3.4	5.1	8.4	10.1	10.1	10.1	10.1	10.1
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°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	207.6	207.6	205.9	204.2	204.2	200.9	200.9	199.2	199.2	197.5	197.5
5°	249.8	246.4	243.1	238.0	236.3	232.9	229.6	226.2	222.8	221.1	217.7
7.5°	310.6	307.2	297.1	290.3	281.9	276.8	270.1	265.0	259.9	256.6	249.8
10°	391.6	379.8	374.7	351.1	346.0	334.2	324.1	317.3	303.8	295.4	287.0
12.5°	506.4	484.5	476.0	435.5	423.7	406.8	395.0	378.1	362.9	352.8	337.6
15°	636.4	619.5	587.4	546.9	525.0	506.4	477.7	464.2	443.9	422.0	400.1
17.5°	791.7	761.3	725.8	673.5	646.5	617.8	590.8	562.1	528.3	508.1	484.5
20°	972.3	940.2	896.3	830.5	798.4	769.7	722.5	702.2	661.7	621.2	590.8
22.5°	1169.8	1137.7	1095.5	1021.2	979.0	931.8	892.9	857.5	810.2	769.7	734.3
25°	1392.6	1355.4	1323.4	1237.3	1185.0	1136.0	1093.8	1031.4	990.8	943.6	894.6
27.5°	1645.8	1601.9	1559.7	1465.2	1416.2	1362.2	1311.6	1245.7	1206.9	1129.3	1083.7
30°	1905.7	1851.7	1807.8	1711.6	1667.7	1612.0	1542.8	1483.7	1417.9	1365.6	1291.3
32.5°	2179.2	2135.3	2099.8	1998.6	1942.9	1873.7	1811.2	1748.7	1691.4	1607.0	1539.4
35°	2471.2	2432.4	2393.6	2305.8	2256.8	2204.5	2133.6	2057.6	1978.3	1890.5	1829.8
37.5°	2778.4	2748.0	2717.7	2611.3	2553.9	2498.2	2417.2	2341.2	2270.3	2177.5	2074.5
40°	3100.8	3072.1	3023.2	2935.4	2874.6	2824.0	2749.7	2678.8	2582.6	2479.6	2388.5
42.5°	3505.9	3443.5	3401.3	3305.1	3240.9	3185.2	3119.4	3013.0	2932.0	2808.8	2721.0
45°	3980.3	3921.2	3852.0	3754.1	3674.7	3583.6	3490.7	3418.2	3316.9	3205.5	3092.4
47.5°	4513.7	4466.4	4385.4	4289.2	4209.8	4118.7	4009.0	3916.1	3792.9	3662.9	3509.3
50°	5101.1	5052.1	4998.1	4890.1	4810.7	4724.7	4638.6	4528.9	4417.4	4262.2	4103.5
52.5°	5646.3	5656.4	5624.4	5573.7	5534.9	5445.4	5366.1	5261.4	5163.5	5021.7	4898.5
55°	6184.8	6272.5	6306.3	6355.3	6372.1	6299.5	6297.9	6144.3	6085.2	6002.5	5931.6
57.5°	6895.4	7089.5	7243.1	7540.2	7665.1	7791.7	7815.4	7707.3	7818.7	7675.3	7724.2
60°	7499.7	7855.9	8237.4	9005.4	9390.2	9680.6	9913.5	10085.7	10197.1	10386.2	10396.3
62.5°	7553.7	8114.1	8694.8	9815.6	10342.3	10782.8	11203.1	11496.8	11729.8	11944.2	11996.5
64°	7295.5	7989.2	8694.8	10050.2	10588.7	11078.2	11461.4	11753.4	11991.4	12124.8	12212.5
65°	6826.2	7602.7	8414.6	9894.9	10450.3	10970.2	11336.5	11630.2	11854.7	11988.0	12079.2
67.5°	5057.2	5808.3	6623.6	8347.1	9221.4	9697.5	10166.7	10578.6	10759.2	10928.0	10960.1
70°	3082.3	3627.5	4189.6	5788.1	6600.0	7455.8	7984.2	8586.8	9008.8	9268.7	9354.8
72.5°	1860.2	2049.2	2385.1	3244.3	4022.5	4623.4	5354.3	5929.9	6402.5	6664.2	6795.8
75°	1655.9	1632.3	1676.2	2034.0	2310.8	2672.1	2937.1	3298.3	3590.3	3681.5	3852.0
77.5°	1914.2	1846.7	1777.4	1709.9	1696.4	1662.7	1608.6	1622.2	1493.9	1370.6	1374.0
80°	1704.9	1866.9	1963.1	1892.2	1731.9	1569.8	1370.6	1122.5	877.8	725.8	661.7
82.5°	855.8	1217.0	1564.8	1909.1	1885.5	1742.0	1522.6	1250.8	968.9	744.4	594.2
85°	263.3	467.6	658.3	914.9	1061.7	1041.5	914.9	889.6	634.7	494.6	381.5
87.5°	11.8	11.8	11.8	10.1	11.8	11.8	11.8	13.5	13.5	15.2	15.2
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°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	197.5	195.8	194.1	192.4	192.4	192.4	190.7	190.7	189.1	189.1	187.4
5°	217.7	214.4	212.7	209.3	209.3	205.9	204.2	202.6	199.2	197.5	195.8
7.5°	244.8	241.4	236.3	231.3	229.6	224.5	219.4	216.1	212.7	209.3	205.9
10°	280.2	273.5	263.3	256.6	251.5	244.8	238.0	232.9	226.2	219.4	216.1
12.5°	325.8	312.3	302.1	290.3	280.2	270.1	258.3	251.5	244.8	234.6	227.9
15°	378.1	364.6	352.8	332.5	315.7	302.1	292.0	276.8	265.0	251.5	241.4
17.5°	467.6	432.1	408.5	388.2	371.4	346.0	325.8	308.9	293.7	276.8	265.0
20°	555.3	525.0	492.9	469.3	432.1	410.2	383.2	359.5	332.5	312.3	292.0
22.5°	683.6	644.8	604.3	568.8	518.2	487.8	452.4	422.0	388.2	354.5	332.5
25°	845.7	788.3	734.3	683.6	636.4	590.8	545.2	496.3	460.8	420.3	383.2
27.5°	1016.2	952.0	899.7	833.9	773.1	717.4	660.0	607.7	546.9	494.6	450.7
30°	1230.5	1142.8	1082.0	1002.7	941.9	864.2	793.4	724.1	649.9	589.1	526.7
32.5°	1448.3	1389.2	1286.2	1218.7	1127.6	1034.7	960.5	881.1	790.0	710.6	634.7
35°	1735.2	1634.0	1547.9	1453.4	1353.8	1257.5	1161.3	1048.2	955.4	857.5	764.7
37.5°	1988.4	1885.5	1785.9	1662.7	1549.6	1448.3	1331.8	1213.7	1103.9	987.5	876.1
40°	2282.2	2153.9	2035.7	1920.9	1780.8	1661.0	1539.4	1392.6	1266.0	1137.7	1006.0
42.5°	2602.9	2472.9	2332.8	2201.1	2047.5	1900.7	1750.4	1603.6	1461.8	1306.5	1152.9
45°	2954.0	2817.2	2660.3	2510.0	2342.9	2180.9	2001.9	1833.1	1666.0	1492.2	1314.9
47.5°	3389.5	3213.9	3068.8	2881.4	2673.8	2503.3	2283.8	2091.4	1900.7	1698.1	1498.9
50°	3953.3	3754.1	3544.8	3337.1	3107.6	2891.5	2648.4	2420.6	2165.7	1939.5	1711.6
52.5°	4701.0	4552.5	4309.4	4071.4	3791.2	3516.1	3181.8	2886.4	2559.0	2270.3	1991.8
55°	5762.8	5664.9	5453.9	5193.9	4949.2	4547.4	4162.6	3703.4	3278.1	2862.8	2471.2
57.5°	7685.4	7579.0	7344.4	7282.0	6905.5	6610.1	6159.4	5565.3	4844.5	4209.8	3576.8
60°	10453.7	10246.0	10016.5	9974.3	9532.0	9221.4	8774.1	8141.1	7462.6	6449.8	5587.2
62.5°	11999.9	11937.4	11751.7	11523.9	11140.7	10679.9	10176.8	9564.1	8875.4	7987.5	6961.2
64°	12207.5	12150.1	11989.7	11733.2	11348.3	10890.9	10333.8	9722.8	9032.4	8222.2	7285.3
65°	12077.5	11996.5	11859.8	11623.4	11265.6	10826.7	10266.3	9646.8	8946.3	8166.5	7295.5
67.5°	11029.3	10992.1	10867.2	10647.8	10423.3	10028.3	9535.4	8981.8	8409.5	7636.4	6922.4
70°	9364.9	9337.9	9179.2	9091.5	8720.1	8470.3	8071.9	7636.4	7130.0	6591.6	5983.9
72.5°	6942.7	6851.5	6723.2	6589.9	6338.4	5995.7	5685.1	5220.9	4959.3	4505.2	4162.6
75°	3681.5	3624.1	3424.9	3146.4	2835.8	2675.5	2353.0	2064.4	1834.8	1731.9	1483.7
77.5°	1272.7	1159.6	1048.2	923.3	732.6	577.3	460.8	368.0	290.3	256.6	214.4
80°	634.7	602.6	567.2	496.3	416.9	335.9	263.3	207.6	170.5	145.2	130.0
82.5°	514.8	455.8	406.8	356.2	285.3	234.6	185.7	151.9	124.9	109.7	96.2
85°	303.8	232.9	177.2	160.4	124.9	108.0	92.8	79.3	67.5	64.1	59.1
87.5°	11.8	15.2	15.2	11.8	15.2	13.5	13.5	11.8	11.8	11.8	11.8
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°	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	187.4	185.7	185.7	184.0	182.3	182.3	182.3	180.6	177.2	170.5	165.4
5°	194.1	192.4	190.7	187.4	185.7	184.0	182.3	182.3	173.9	162.0	153.6
7.5°	202.6	199.2	195.8	192.4	190.7	187.4	184.0	182.3	170.5	155.3	146.9
10°	211.0	205.9	200.9	199.2	194.1	190.7	185.7	182.3	168.8	150.2	138.4
12.5°	221.1	214.4	207.6	202.6	195.8	192.4	187.4	182.3	165.4	145.2	131.7
15°	232.9	222.8	214.4	209.3	202.6	194.1	187.4	182.3	162.0	140.1	124.9
17.5°	248.1	236.3	226.2	216.1	205.9	197.5	190.7	184.0	157.0	133.4	116.5
20°	271.8	256.6	239.7	227.9	214.4	204.2	192.4	184.0	153.6	126.6	109.7
22.5°	303.8	280.2	261.6	241.4	224.5	211.0	197.5	187.4	148.5	119.8	101.3
25°	349.4	319.0	288.6	263.3	241.4	222.8	205.9	192.4	145.2	114.8	96.2
27.5°	400.1	364.6	324.1	293.7	263.3	236.3	217.7	200.9	145.2	111.4	91.2
30°	470.9	420.3	371.4	332.5	292.0	261.6	234.6	212.7	145.2	109.7	86.1
32.5°	557.0	499.6	437.2	381.5	334.2	290.3	256.6	227.9	148.5	106.3	82.7
35°	676.9	592.5	518.2	449.0	386.5	335.9	292.0	253.2	153.6	104.7	77.6
37.5°	771.4	670.1	575.6	496.3	423.7	361.2	305.5	263.3	148.5	97.9	72.6
40°	884.5	769.7	654.9	555.3	472.6	391.6	327.5	276.8	145.2	89.5	65.8
42.5°	1021.2	877.8	744.4	631.3	528.3	432.1	356.2	293.7	145.2	84.4	60.8
45°	1149.5	992.5	844.0	702.2	582.4	476.0	383.2	312.3	143.5	79.3	54.0
47.5°	1308.2	1122.5	948.6	784.9	646.5	516.5	411.9	329.2	141.8	74.3	49.0
50°	1495.6	1269.4	1073.6	877.8	709.0	565.5	445.6	347.7	138.4	69.2	43.9
52.5°	1703.2	1460.1	1210.3	984.1	786.6	617.8	477.7	364.6	133.4	64.1	38.8
55°	2071.2	1736.9	1441.5	1161.3	904.8	695.4	525.0	389.9	128.3	59.1	33.8
57.5°	2954.0	2400.3	1981.7	1559.7	1191.7	892.9	653.2	462.5	121.5	52.3	27.0
60°	4638.6	3725.4	3014.7	2364.9	1802.8	1370.6	962.1	683.6	130.0	43.9	23.6
62.5°	5950.1	4900.2	3995.5	3180.2	2469.5	1877.0	1401.0	1021.2	187.4	38.8	18.6
64°	6292.8	5229.4	4263.8	3409.7	2670.4	2059.3	1563.1	1154.6	241.4	38.8	16.9
65°	6343.4	5330.6	4360.1	3494.1	2739.6	2108.3	1610.3	1198.5	263.3	40.5	15.2
67.5°	6134.1	5271.6	4388.8	3529.6	2791.9	2175.8	1674.5	1267.7	297.1	38.8	11.8
70°	5357.7	4723.0	3997.1	3301.7	2633.3	2067.8	1610.3	1228.9	310.6	37.1	10.1
72.5°	3646.0	3208.9	2780.1	2287.2	1833.1	1510.7	1174.8	865.9	217.7	30.4	8.4
75°	1215.3	1185.0	1060.1	803.5	675.2	548.6	438.9	337.6	82.7	18.6	8.4
77.5°	202.6	173.9	151.9	145.2	121.5	118.2	103.0	82.7	35.4	11.8	8.4
80°	118.2	108.0	94.5	84.4	74.3	65.8	55.7	47.3	21.9	8.4	10.1
82.5°	87.8	77.6	69.2	60.8	52.3	45.6	38.8	32.1	11.8	8.4	10.1
85°	50.6	43.9	38.8	33.8	27.0	23.6	20.3	16.9	8.4	8.4	8.4
87.5°	10.1	10.1	8.4	8.4	8.4	8.4	8.4	6.8	8.4	8.4	6.8
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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CATALOG NUMBER: AVM-E06-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	180.6	180.6	180.6	180.6	180.6	180.6	180.6
2.5°	162.0	157.0	155.3	155.3	155.3	155.3	155.3
5°	148.5	143.5	140.1	138.4	138.4	138.4	138.4
7.5°	138.4	131.7	128.3	124.9	124.9	123.2	123.2
10°	128.3	121.5	116.5	113.1	111.4	111.4	111.4
12.5°	119.8	113.1	106.3	103.0	103.0	101.3	101.3
15°	113.1	103.0	97.9	94.5	94.5	92.8	92.8
17.5°	104.7	96.2	91.2	87.8	86.1	86.1	86.1
20°	96.2	87.8	82.7	81.0	79.3	79.3	77.6
22.5°	89.5	81.0	76.0	74.3	72.6	72.6	70.9
25°	82.7	74.3	69.2	67.5	65.8	64.1	64.1
27.5°	77.6	69.2	64.1	60.8	59.1	57.4	57.4
30°	72.6	62.5	57.4	54.0	52.3	50.6	50.6
32.5°	67.5	57.4	50.6	47.3	45.6	43.9	43.9
35°	60.8	50.6	43.9	42.2	40.5	38.8	37.1
37.5°	55.7	43.9	38.8	35.4	33.8	32.1	32.1
40°	49.0	38.8	33.8	30.4	27.0	25.3	25.3
42.5°	43.9	33.8	28.7	23.6	21.9	20.3	20.3
45°	38.8	30.4	23.6	18.6	16.9	15.2	15.2
47.5°	33.8	25.3	18.6	15.2	13.5	11.8	11.8
50°	28.7	20.3	13.5	10.1	11.8	10.1	10.1
52.5°	25.3	15.2	10.1	10.1	10.1	10.1	10.1
55°	20.3	11.8	8.4	8.4	10.1	10.1	10.1
57.5°	16.9	8.4	6.8	8.4	8.4	8.4	8.4
60°	11.8	6.8	6.8	8.4	8.4	8.4	8.4
62.5°	10.1	6.8	6.8	6.8	8.4	8.4	8.4
64°	8.4	6.8	6.8	6.8	8.4	8.4	8.4
65°	8.4	6.8	6.8	6.8	8.4	8.4	8.4
67.5°	8.4	6.8	6.8	6.8	8.4	8.4	8.4
70°	6.8	6.8	6.8	6.8	8.4	8.4	8.4
72.5°	6.8	6.8	6.8	6.8	8.4	8.4	8.4
75°	6.8	6.8	6.8	6.8	8.4	8.4	8.4
77.5°	6.8	6.8	6.8	8.4	8.4	8.4	8.4
80°	6.8	6.8	6.8	8.4	8.4	8.4	8.4
82.5°	6.8	6.8	6.8	8.4	8.4	8.4	8.4
85°	6.8	6.8	6.8	8.4	8.4	8.4	8.4
87.5°	6.8	6.8	6.8	8.4	8.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)