

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: P154209

Luminaire Tested: **AVM-E03-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154209
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-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (63) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4387.7 lumens
Efficiency: N/A
Efficacy: 58.3 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

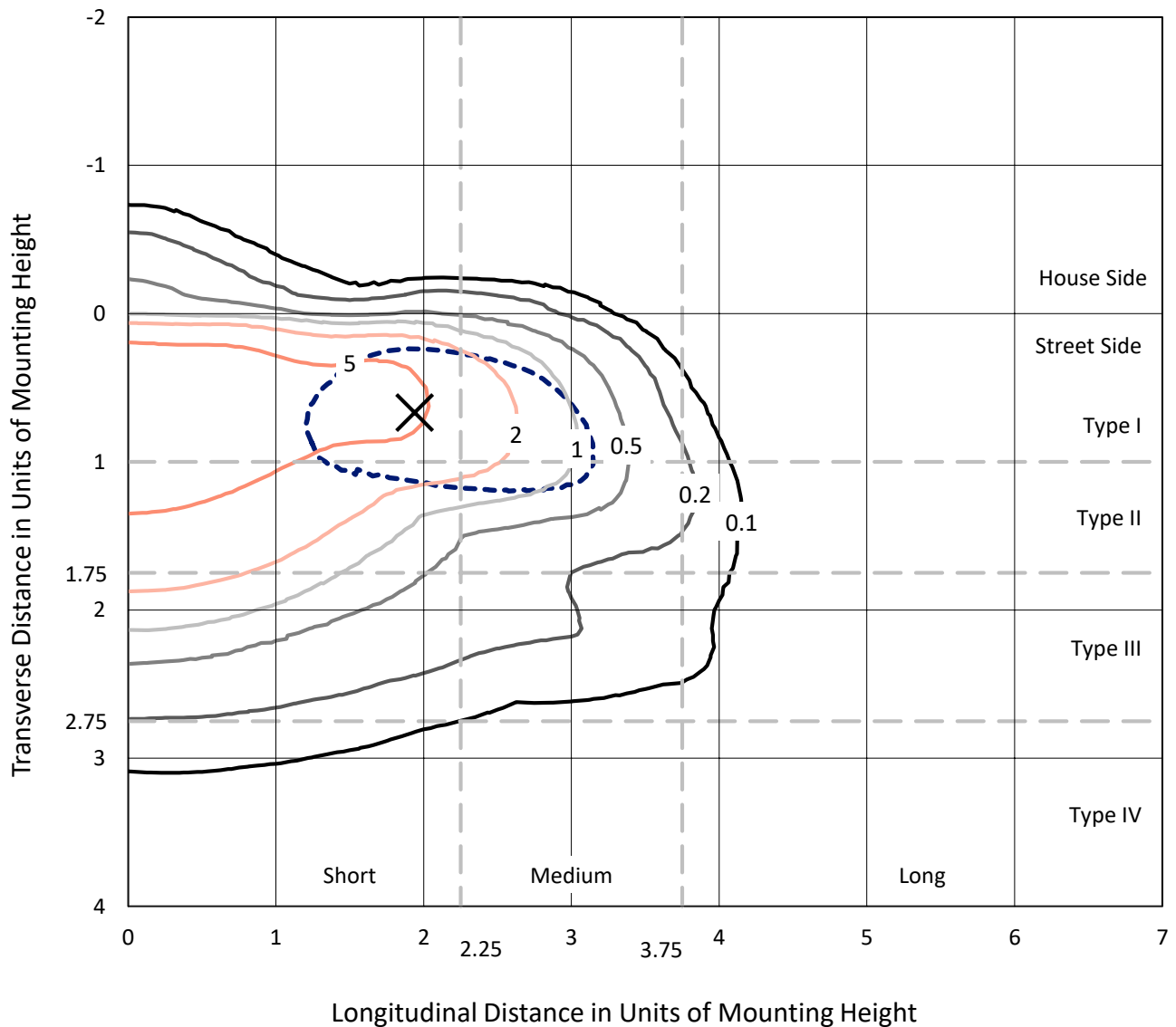
Input Watts (W): 75.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

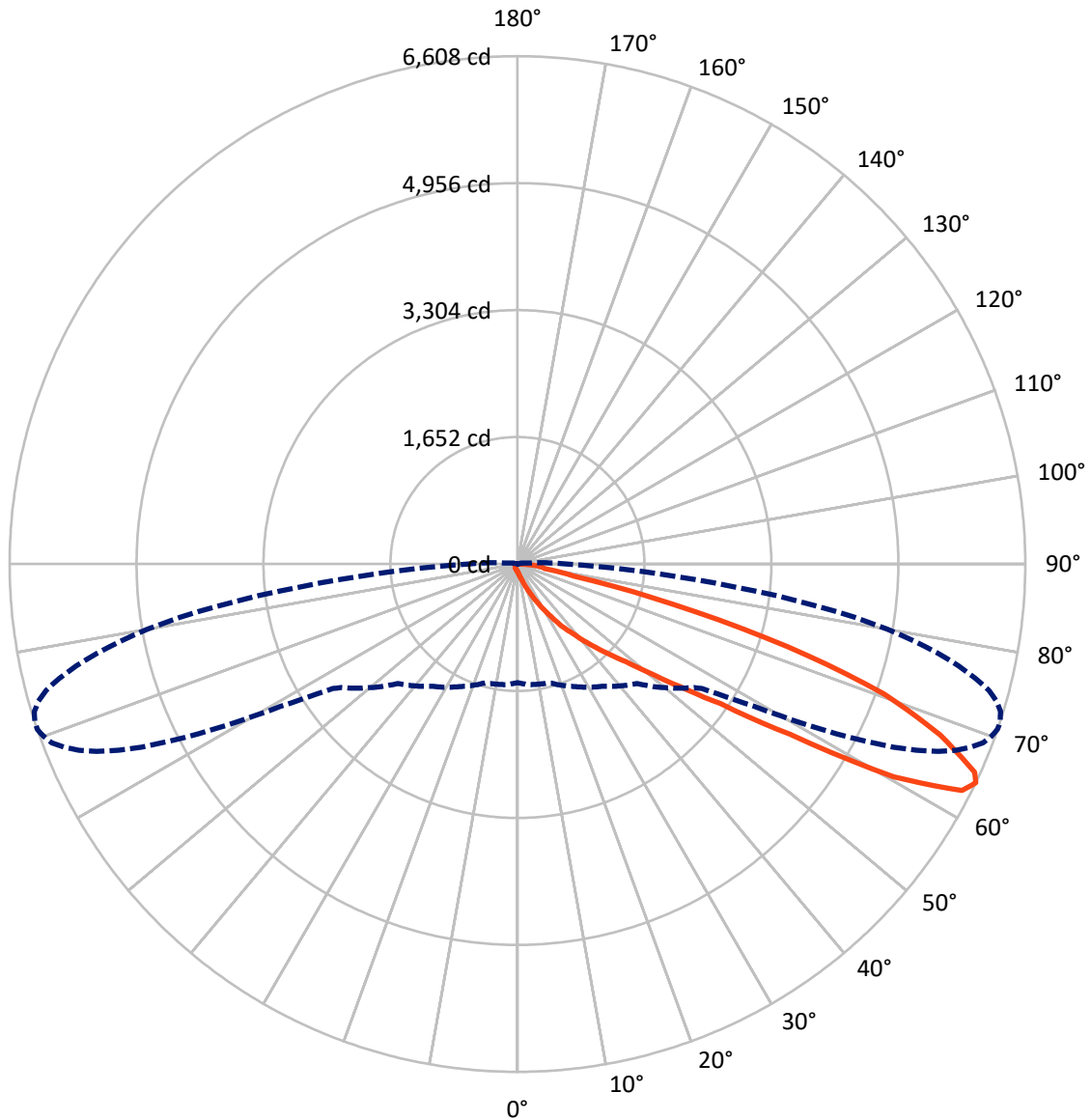
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 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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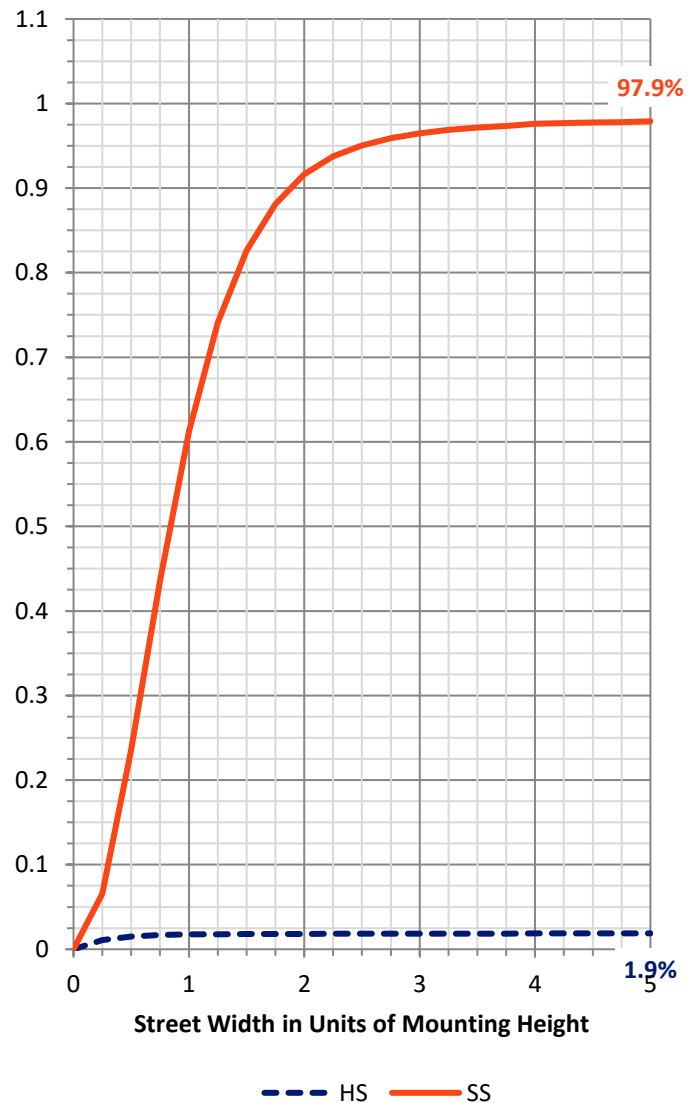
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	84.1	0.0	84.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	4303.6	0.0	4303.6
	% Fixture	98.1	0.0	98.1
Total	Lumens	4387.7	0.0	4387.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	13.4	0.3
10°-20°	79.3	1.8
20°-30°	202.6	4.6
30°-40°	409.9	9.3
40°-50°	749.2	17.1
50°-60°	1167.2	26.6
60°-70°	1297.4	29.6
70°-80°	423.1	9.6
80°-90°	45.5	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°	4387.7	100.0
0°-180°	4387.7	100.0

Coefficient of Utilization



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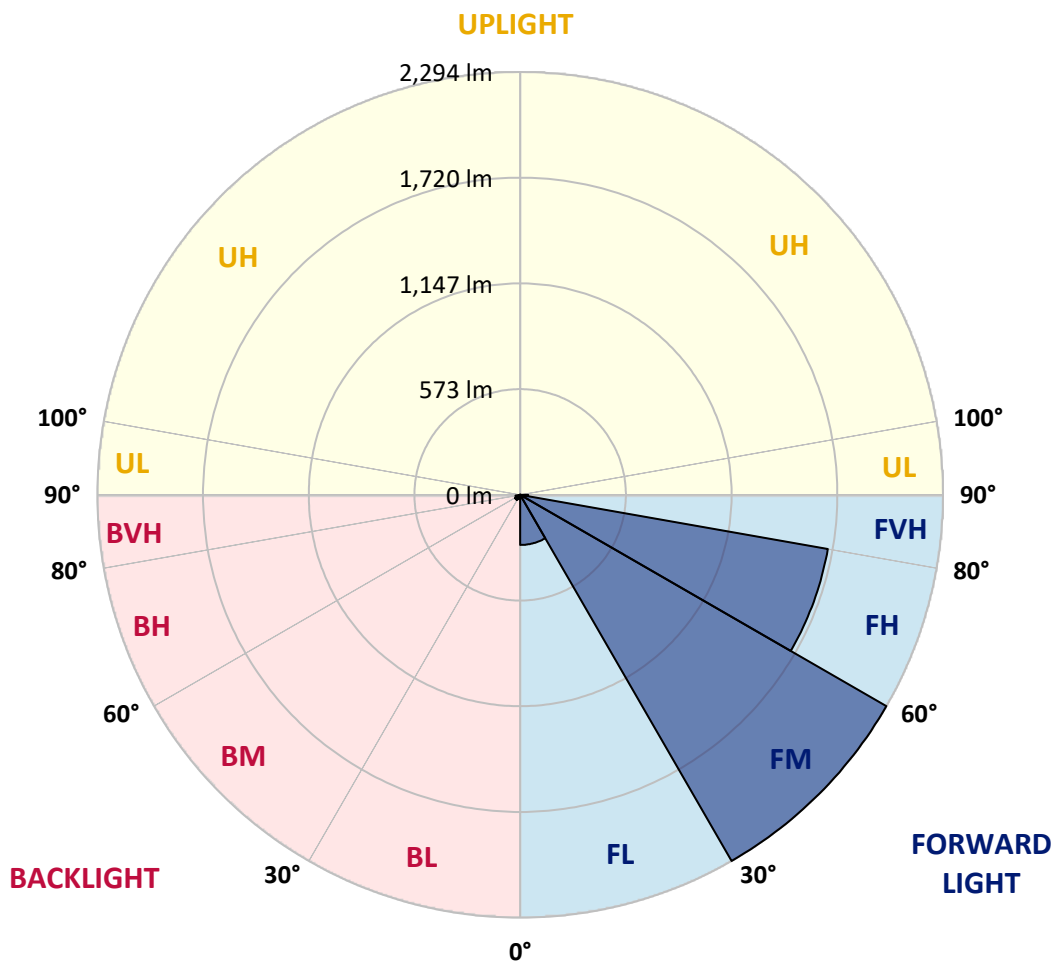
CATALOG NUMBER: AVM-E03-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	272.0	6.2			
FM	(30°-60°)	2293.8	52.3			
FH	(60°-80°)	1694.5	38.6			G1/1800
FVH	(80°-90°)	43.3	1.0			G1/100
BL	(0°-30°)	23.4	0.5	B0/110		
BM	(30°-60°)	32.5	0.7	B0/220		
BH	(60°-80°)	26.0	0.6	B0/110		G0/110
BVH	(80°-90°)	2.2	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°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	131.5	129.7	129.7	127.0	123.3	119.6	116.0	115.1	114.2	113.3	113.3
5°	206.4	199.1	196.4	186.3	173.5	158.0	144.3	140.7	140.7	137.9	136.1
7.5°	324.2	320.6	301.4	291.4	261.2	223.8	184.5	180.8	179.9	176.3	170.8
10°	474.9	467.6	453.9	424.7	369.9	305.1	249.3	240.2	233.8	226.5	219.2
12.5°	625.6	616.5	596.4	548.9	494.1	411.0	321.5	313.3	303.2	293.2	281.3
15°	776.3	770.0	738.9	691.4	620.2	520.6	407.4	392.7	384.5	364.4	355.3
17.5°	907.0	898.7	874.1	820.2	746.2	636.6	502.3	484.1	470.4	458.5	436.6
20°	1020.2	1012.0	988.2	943.5	860.4	752.6	604.6	595.5	570.8	552.6	539.8
22.5°	1089.6	1086.9	1071.4	1028.4	954.5	858.5	721.5	706.9	690.5	665.8	651.2
25°	1132.6	1129.8	1120.7	1090.5	1040.3	970.0	850.3	832.1	817.4	795.5	777.3
27.5°	1177.3	1175.5	1168.2	1141.7	1115.2	1071.4	980.9	970.9	938.9	926.1	908.8
30°	1251.3	1243.1	1249.5	1236.7	1202.9	1175.5	1112.5	1097.8	1084.1	1062.2	1046.7
32.5°	1369.1	1355.4	1369.1	1355.4	1340.8	1307.9	1247.6	1243.1	1229.4	1215.7	1193.7
35°	1513.4	1507.9	1518.9	1530.8	1518.9	1475.1	1402.0	1388.3	1382.8	1360.9	1352.7
37.5°	1658.6	1668.7	1688.8	1715.3	1708.0	1676.0	1572.8	1560.0	1550.0	1530.8	1516.2
40°	1814.8	1815.7	1858.7	1897.0	1916.2	1897.0	1760.9	1750.9	1737.2	1709.8	1706.1
42.5°	1984.7	1977.4	2009.4	2052.3	2091.6	2118.1	2009.4	1990.2	1971.0	1940.0	1918.9
45°	2135.4	2135.4	2161.0	2201.2	2261.5	2328.1	2271.5	2251.4	2233.1	2207.6	2183.8
47.5°	2246.8	2247.8	2263.3	2321.7	2415.8	2515.4	2517.2	2520.8	2507.1	2477.0	2477.9
50°	2325.4	2315.3	2336.4	2393.0	2501.7	2657.8	2770.2	2776.6	2787.5	2762.9	2770.2
52.5°	2382.9	2378.4	2392.1	2439.6	2548.2	2739.1	2977.5	3004.9	3021.4	3025.0	3055.2
55°	2352.8	2355.5	2388.4	2456.9	2573.8	2793.0	3153.8	3198.6	3236.9	3269.8	3307.2
57.5°	2253.2	2261.5	2319.0	2425.9	2579.3	2836.9	3341.0	3409.5	3481.7	3569.4	3643.4
60°	2094.3	2113.5	2191.1	2340.9	2526.3	2779.3	3396.7	3501.8	3612.3	3745.6	3894.5
62.5°	1861.4	1865.1	1916.2	2061.4	2266.0	2473.4	3141.0	3275.3	3421.4	3614.1	3822.4
64°	1542.6	1575.5	1599.3	1759.1	1941.8	2200.3	2803.1	2896.2	3099.9	3336.5	3598.6
65°	1273.2	1312.5	1331.7	1491.5	1700.7	1947.3	2509.0	2608.5	2823.2	3063.4	3390.4
67.5°	750.8	724.3	780.0	874.1	1049.4	1341.7	1692.4	1768.2	1928.1	2214.0	2475.2
70°	484.1	484.1	535.2	631.1	793.7	1017.5	1162.7	1130.7	1164.5	1275.0	1459.5
72.5°	310.5	327.0	358.0	439.3	590.0	853.1	1188.3	1037.6	959.0	922.5	920.7
75°	141.6	150.7	184.5	232.9	315.1	556.2	1198.3	1132.6	1060.4	991.0	937.1
77.5°	30.1	34.7	58.5	120.6	153.4	256.7	850.3	949.0	1027.5	1050.4	1050.4
80°	15.5	16.4	24.7	56.6	65.8	86.8	327.9	431.1	531.6	664.0	802.8
82.5°	6.4	7.3	14.6	25.6	27.4	26.5	86.8	109.6	150.7	219.2	327.0
85°	1.8	1.8	6.4	10.0	14.6	11.9	19.2	21.9	28.3	41.1	78.5
87.5°	0.0	0.0	0.9	1.8	2.7	4.6	5.5	5.5	5.5	5.5	5.5
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°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	112.3	112.3	111.4	110.5	110.5	108.7	108.7	107.8	107.8	106.9	106.9
5°	135.2	133.3	131.5	128.8	127.9	126.0	124.2	122.4	120.6	119.6	117.8
7.5°	168.1	166.2	160.7	157.1	152.5	149.8	146.1	143.4	140.7	138.8	135.2
10°	211.9	205.5	202.8	190.0	187.2	180.8	175.4	171.7	164.4	159.8	155.3
12.5°	274.0	262.1	257.6	235.6	229.3	220.1	213.7	204.6	196.4	190.9	182.7
15°	344.3	335.2	317.8	295.9	284.1	274.0	258.5	251.2	240.2	228.3	216.5
17.5°	428.4	411.9	392.7	364.4	349.8	334.3	319.7	304.1	285.9	274.9	262.1
20°	526.1	508.7	485.0	449.4	432.0	416.5	390.9	380.0	358.0	336.1	319.7
22.5°	633.0	615.6	592.8	552.6	529.7	504.2	483.2	464.0	438.4	416.5	397.3
25°	753.5	733.4	716.1	669.5	641.2	614.7	591.9	558.1	536.1	510.6	484.1
27.5°	890.5	866.8	843.9	792.8	766.3	737.1	709.7	674.1	653.0	611.0	586.4
30°	1031.2	1001.9	978.2	926.1	902.4	872.2	834.8	802.8	767.2	738.9	698.7
32.5°	1179.1	1155.4	1136.2	1081.4	1051.3	1013.8	980.0	946.2	915.2	869.5	833.0
35°	1337.1	1316.1	1295.1	1247.6	1221.1	1192.8	1154.5	1113.4	1070.4	1023.0	990.1
37.5°	1503.4	1486.9	1470.5	1413.0	1381.9	1351.8	1307.9	1266.8	1228.5	1178.2	1122.5
40°	1677.8	1662.3	1635.8	1588.3	1555.4	1528.0	1487.8	1449.5	1397.4	1341.7	1292.4
42.5°	1897.0	1863.2	1840.4	1788.3	1753.6	1723.5	1687.9	1630.3	1586.5	1519.8	1472.3
45°	2153.7	2121.7	2084.3	2031.3	1988.4	1939.0	1888.8	1849.5	1794.7	1734.5	1673.3
47.5°	2442.3	2416.7	2372.9	2320.8	2277.9	2228.6	2169.2	2119.0	2052.3	1982.0	1898.9
50°	2760.1	2733.7	2704.4	2646.0	2603.0	2556.5	2509.9	2450.5	2390.2	2306.2	2220.4
52.5°	3055.2	3060.6	3043.3	3015.9	2994.9	2946.5	2903.5	2846.9	2793.9	2717.2	2650.5
55°	3346.5	3394.0	3412.3	3438.8	3447.9	3408.6	3407.7	3324.6	3292.6	3247.9	3209.5
57.5°	3731.0	3836.1	3919.2	4079.9	4147.5	4216.0	4228.8	4170.4	4230.6	4153.0	4179.5
60°	4058.0	4250.7	4457.1	4872.7	5081.0	5238.1	5364.1	5457.3	5517.5	5619.8	5625.3
62.5°	4087.2	4390.5	4704.7	5311.1	5596.1	5834.5	6061.9	6220.8	6346.9	6462.9	6491.2
64°	3947.5	4322.9	4704.7	5438.1	5729.4	5994.3	6201.6	6359.7	6488.4	6560.6	6608.1
65°	3693.6	4113.7	4553.1	5354.1	5654.6	5935.9	6134.1	6293.0	6414.5	6486.6	6535.9
67.5°	2736.4	3142.8	3584.0	4516.5	4989.6	5247.2	5501.1	5724.0	5821.7	5913.0	5930.4
70°	1667.8	1962.8	2266.9	3131.9	3571.2	4034.3	4320.1	4646.2	4874.6	5015.2	5061.8
72.5°	1006.5	1108.8	1290.6	1755.5	2176.5	2501.7	2897.1	3208.6	3464.3	3605.9	3677.1
75°	896.0	883.2	907.0	1100.6	1250.4	1445.8	1589.2	1784.7	1942.7	1992.0	2084.3
77.5°	1035.7	999.2	961.8	925.2	917.9	899.7	870.4	877.7	808.3	741.6	743.5
80°	922.5	1010.2	1062.2	1023.9	937.1	849.4	741.6	607.4	474.9	392.7	358.0
82.5°	463.1	658.5	846.7	1033.0	1020.2	942.6	823.8	676.8	524.3	402.8	321.5
85°	142.5	253.0	356.2	495.0	574.5	563.5	495.0	481.3	343.4	267.6	206.4
87.5°	6.4	6.4	6.4	5.5	6.4	6.4	6.4	7.3	7.3	8.2	8.2
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°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	106.9	105.9	105.0	104.1	104.1	104.1	103.2	103.2	102.3	102.3	101.4
5°	117.8	116.0	115.1	113.3	113.3	111.4	110.5	109.6	107.8	106.9	105.9
7.5°	132.4	130.6	127.9	125.1	124.2	121.5	118.7	116.9	115.1	113.3	111.4
10°	151.6	148.0	142.5	138.8	136.1	132.4	128.8	126.0	122.4	118.7	116.9
12.5°	176.3	169.0	163.5	157.1	151.6	146.1	139.7	136.1	132.4	127.0	123.3
15°	204.6	197.3	190.9	179.9	170.8	163.5	158.0	149.8	143.4	136.1	130.6
17.5°	253.0	233.8	221.0	210.1	200.9	187.2	176.3	167.1	158.9	149.8	143.4
20°	300.5	284.1	266.7	253.9	233.8	221.9	207.3	194.5	179.9	169.0	158.0
22.5°	369.9	348.9	327.0	307.8	280.4	264.0	244.8	228.3	210.1	191.8	179.9
25°	457.6	426.5	397.3	369.9	344.3	319.7	295.0	268.5	249.3	227.4	207.3
27.5°	549.8	515.1	486.8	451.2	418.3	388.2	357.1	328.8	295.9	267.6	243.9
30°	665.8	618.3	585.5	542.5	509.6	467.6	429.3	391.8	351.6	318.8	285.0
32.5°	783.7	751.7	696.0	659.4	610.1	559.9	519.7	476.8	427.4	384.5	343.4
35°	938.9	884.1	837.5	786.4	732.5	680.4	628.4	567.2	517.0	464.0	413.7
37.5°	1075.9	1020.2	966.3	899.7	838.5	783.7	720.6	656.7	597.3	534.3	474.0
40°	1234.8	1165.4	1101.5	1039.4	963.6	898.7	833.0	753.5	685.0	615.6	544.4
42.5°	1408.4	1338.1	1262.3	1191.0	1107.9	1028.4	947.1	867.7	791.0	706.9	623.8
45°	1598.4	1524.4	1439.4	1358.2	1267.7	1180.0	1083.2	991.9	901.5	807.4	711.5
47.5°	1834.0	1739.0	1660.5	1559.1	1446.7	1354.5	1235.8	1131.6	1028.4	918.8	811.1
50°	2139.1	2031.3	1918.0	1805.7	1681.5	1564.6	1433.0	1309.7	1171.8	1049.4	926.1
52.5°	2543.7	2463.3	2331.8	2203.0	2051.4	1902.5	1721.7	1561.8	1384.6	1228.5	1077.8
55°	3118.2	3065.2	2951.0	2810.4	2677.9	2460.6	2252.3	2003.9	1773.7	1549.0	1337.1
57.5°	4158.5	4100.9	3974.0	3940.2	3736.5	3576.7	3332.8	3011.3	2621.3	2277.9	1935.4
60°	5656.4	5544.0	5419.8	5397.0	5157.7	4989.6	4747.6	4405.1	4037.9	3489.9	3023.2
62.5°	6493.0	6459.2	6358.7	6235.4	6028.1	5778.8	5506.6	5175.0	4802.4	4322.0	3766.7
64°	6605.3	6574.3	6487.5	6348.7	6140.5	5892.9	5591.5	5260.9	4887.3	4448.9	3942.0
65°	6535.0	6491.2	6417.2	6289.3	6095.7	5858.2	5555.0	5219.8	4840.8	4418.8	3947.5
67.5°	5967.8	5947.7	5880.1	5761.4	5639.9	5426.2	5159.5	4859.9	4550.3	4132.0	3745.6
70°	5067.3	5052.7	4966.8	4919.3	4718.4	4583.2	4367.6	4132.0	3858.0	3566.6	3237.8
72.5°	3756.6	3707.3	3637.9	3565.7	3429.6	3244.2	3076.2	2825.0	2683.4	2437.7	2252.3
75°	1992.0	1961.0	1853.2	1702.5	1534.4	1447.7	1273.2	1117.0	992.8	937.1	802.8
77.5°	688.7	627.5	567.2	499.6	396.4	312.4	249.3	199.1	157.1	138.8	116.0
80°	343.4	326.1	306.9	268.5	225.6	181.8	142.5	112.3	92.2	78.5	70.3
82.5°	278.6	246.6	220.1	192.7	154.4	127.0	100.5	82.2	67.6	59.4	52.1
85°	164.4	126.0	95.9	86.8	67.6	58.5	50.2	42.9	36.5	34.7	32.0
87.5°	6.4	8.2	8.2	6.4	8.2	7.3	7.3	6.4	6.4	6.4	6.4
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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CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	101.4	100.5	100.5	99.6	98.6	98.6	98.6	97.7	95.9	92.2	89.5
5°	105.0	104.1	103.2	101.4	100.5	99.6	98.6	98.6	94.1	87.7	83.1
7.5°	109.6	107.8	105.9	104.1	103.2	101.4	99.6	98.6	92.2	84.0	79.5
10°	114.2	111.4	108.7	107.8	105.0	103.2	100.5	98.6	91.3	81.3	74.9
12.5°	119.6	116.0	112.3	109.6	105.9	104.1	101.4	98.6	89.5	78.5	71.2
15°	126.0	120.6	116.0	113.3	109.6	105.0	101.4	98.6	87.7	75.8	67.6
17.5°	134.3	127.9	122.4	116.9	111.4	106.9	103.2	99.6	84.9	72.2	63.0
20°	147.0	138.8	129.7	123.3	116.0	110.5	104.1	99.6	83.1	68.5	59.4
22.5°	164.4	151.6	141.6	130.6	121.5	114.2	106.9	101.4	80.4	64.8	54.8
25°	189.1	172.6	156.2	142.5	130.6	120.6	111.4	104.1	78.5	62.1	52.1
27.5°	216.5	197.3	175.4	158.9	142.5	127.9	117.8	108.7	78.5	60.3	49.3
30°	254.8	227.4	200.9	179.9	158.0	141.6	127.0	115.1	78.5	59.4	46.6
32.5°	301.4	270.4	236.6	206.4	180.8	157.1	138.8	123.3	80.4	57.5	44.8
35°	366.3	320.6	280.4	243.0	209.2	181.8	158.0	137.0	83.1	56.6	42.0
37.5°	417.4	362.6	311.5	268.5	229.3	195.5	165.3	142.5	80.4	53.0	39.3
40°	478.6	416.5	354.4	300.5	255.7	211.9	177.2	149.8	78.5	48.4	35.6
42.5°	552.6	474.9	402.8	341.6	285.9	233.8	192.7	158.9	78.5	45.7	32.9
45°	622.0	537.0	456.7	380.0	315.1	257.6	207.3	169.0	77.6	42.9	29.2
47.5°	707.8	607.4	513.3	424.7	349.8	279.5	222.9	178.1	76.7	40.2	26.5
50°	809.2	686.8	580.9	474.9	383.6	306.0	241.1	188.2	74.9	37.4	23.7
52.5°	921.6	790.0	654.9	532.5	425.6	334.3	258.5	197.3	72.2	34.7	21.0
55°	1120.7	939.8	780.0	628.4	489.6	376.3	284.1	211.0	69.4	32.0	18.3
57.5°	1598.4	1298.8	1072.3	843.9	644.8	483.2	353.5	250.3	65.8	28.3	14.6
60°	2509.9	2015.8	1631.2	1279.6	975.5	741.6	520.6	369.9	70.3	23.7	12.8
62.5°	3219.6	2651.5	2161.9	1720.8	1336.2	1015.6	758.1	552.6	101.4	21.0	10.0
64°	3405.0	2829.6	2307.1	1845.0	1444.9	1114.3	845.8	624.7	130.6	21.0	9.1
65°	3432.4	2884.4	2359.2	1890.6	1482.4	1140.8	871.3	648.5	142.5	21.9	8.2
67.5°	3319.1	2852.4	2374.7	1909.8	1510.7	1177.3	906.0	685.9	160.7	21.0	6.4
70°	2899.0	2555.6	2162.8	1786.5	1424.8	1118.9	871.3	664.9	168.1	20.1	5.5
72.5°	1972.8	1736.3	1504.3	1237.6	991.9	817.4	635.7	468.5	117.8	16.4	4.6
75°	657.6	641.2	573.6	434.8	365.3	296.8	237.5	182.7	44.8	10.0	4.6
77.5°	109.6	94.1	82.2	78.5	65.8	63.9	55.7	44.8	19.2	6.4	4.6
80°	63.9	58.5	51.1	45.7	40.2	35.6	30.1	25.6	11.9	4.6	5.5
82.5°	47.5	42.0	37.4	32.9	28.3	24.7	21.0	17.4	6.4	4.6	5.5
85°	27.4	23.7	21.0	18.3	14.6	12.8	11.0	9.1	4.6	4.6	4.6
87.5°	5.5	5.5	4.6	4.6	4.6	4.6	4.6	3.7	4.6	4.6	3.7
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-E03-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	97.7	97.7	97.7	97.7	97.7	97.7	97.7
2.5°	87.7	84.9	84.0	84.0	84.0	84.0	84.0
5°	80.4	77.6	75.8	74.9	74.9	74.9	74.9
7.5°	74.9	71.2	69.4	67.6	67.6	66.7	66.7
10°	69.4	65.8	63.0	61.2	60.3	60.3	60.3
12.5°	64.8	61.2	57.5	55.7	55.7	54.8	54.8
15°	61.2	55.7	53.0	51.1	51.1	50.2	50.2
17.5°	56.6	52.1	49.3	47.5	46.6	46.6	46.6
20°	52.1	47.5	44.8	43.8	42.9	42.9	42.0
22.5°	48.4	43.8	41.1	40.2	39.3	39.3	38.4
25°	44.8	40.2	37.4	36.5	35.6	34.7	34.7
27.5°	42.0	37.4	34.7	32.9	32.0	31.1	31.1
30°	39.3	33.8	31.1	29.2	28.3	27.4	27.4
32.5°	36.5	31.1	27.4	25.6	24.7	23.7	23.7
35°	32.9	27.4	23.7	22.8	21.9	21.0	20.1
37.5°	30.1	23.7	21.0	19.2	18.3	17.4	17.4
40°	26.5	21.0	18.3	16.4	14.6	13.7	13.7
42.5°	23.7	18.3	15.5	12.8	11.9	11.0	11.0
45°	21.0	16.4	12.8	10.0	9.1	8.2	8.2
47.5°	18.3	13.7	10.0	8.2	7.3	6.4	6.4
50°	15.5	11.0	7.3	5.5	6.4	5.5	5.5
52.5°	13.7	8.2	5.5	5.5	5.5	5.5	5.5
55°	11.0	6.4	4.6	4.6	5.5	5.5	5.5
57.5°	9.1	4.6	3.7	4.6	4.6	4.6	4.6
60°	6.4	3.7	3.7	4.6	4.6	4.6	4.6
62.5°	5.5	3.7	3.7	3.7	4.6	4.6	4.6
64°	4.6	3.7	3.7	3.7	4.6	4.6	4.6
65°	4.6	3.7	3.7	3.7	4.6	4.6	4.6
67.5°	4.6	3.7	3.7	3.7	4.6	4.6	4.6
70°	3.7	3.7	3.7	3.7	4.6	4.6	4.6
72.5°	3.7	3.7	3.7	3.7	4.6	4.6	4.6
75°	3.7	3.7	3.7	3.7	4.6	4.6	4.6
77.5°	3.7	3.7	3.7	4.6	4.6	4.6	4.6
80°	3.7	3.7	3.7	4.6	4.6	4.6	4.6
82.5°	3.7	3.7	3.7	4.6	4.6	4.6	4.6
85°	3.7	3.7	3.7	4.6	4.6	4.6	4.6
87.5°	3.7	3.7	3.7	4.6	4.6	4.6	4.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)