

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: P155253

Luminaire Tested: **AVM-F03-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155253
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33724)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVM-F03-LED-E-U-T3-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3407.7 lumens
Efficiency: N/A
Efficacy: 43.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

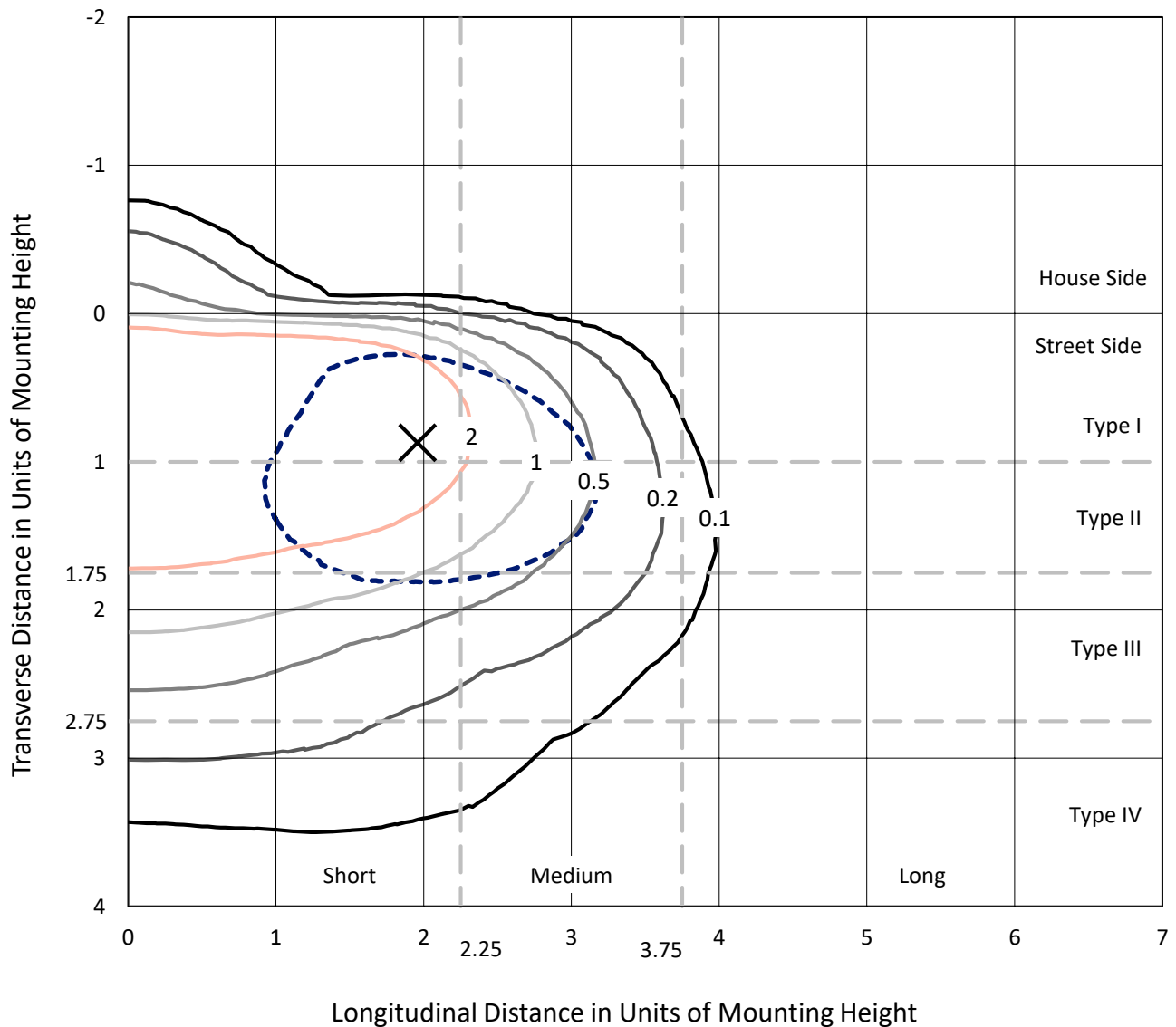
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

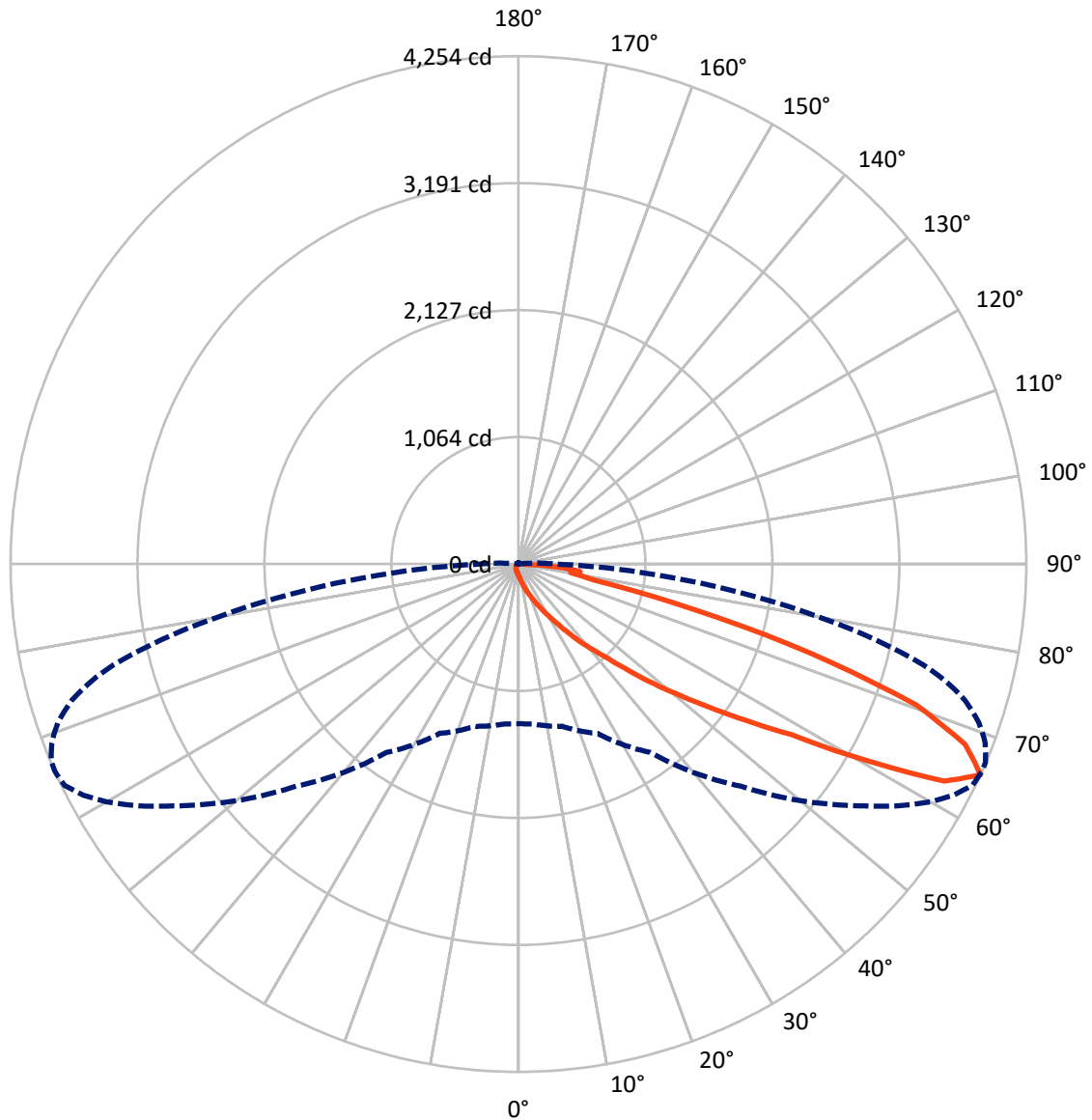
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.9 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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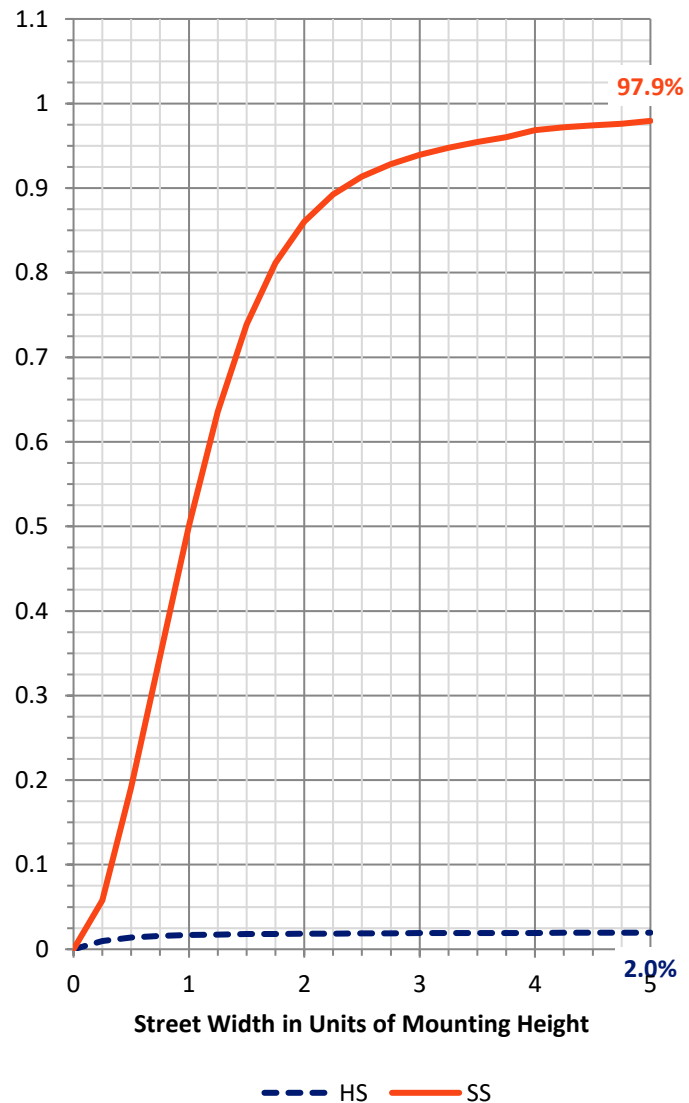
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	68.5	0.0	68.5
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	3339.3	0.0	3339.3
	% Fixture	98.0	0.0	98.0
Total	Lumens	3407.7	0.0	3407.7
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	11.6	0.3
10°-20°	55.4	1.6
20°-30°	126.6	3.7
30°-40°	240.8	7.1
40°-50°	483.3	14.2
50°-60°	855.2	25.1
60°-70°	1117.4	32.8
70°-80°	459.5	13.5
80°-90°	57.9	1.7
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°	3407.7	100.0
0°-180°	3407.7	100.0



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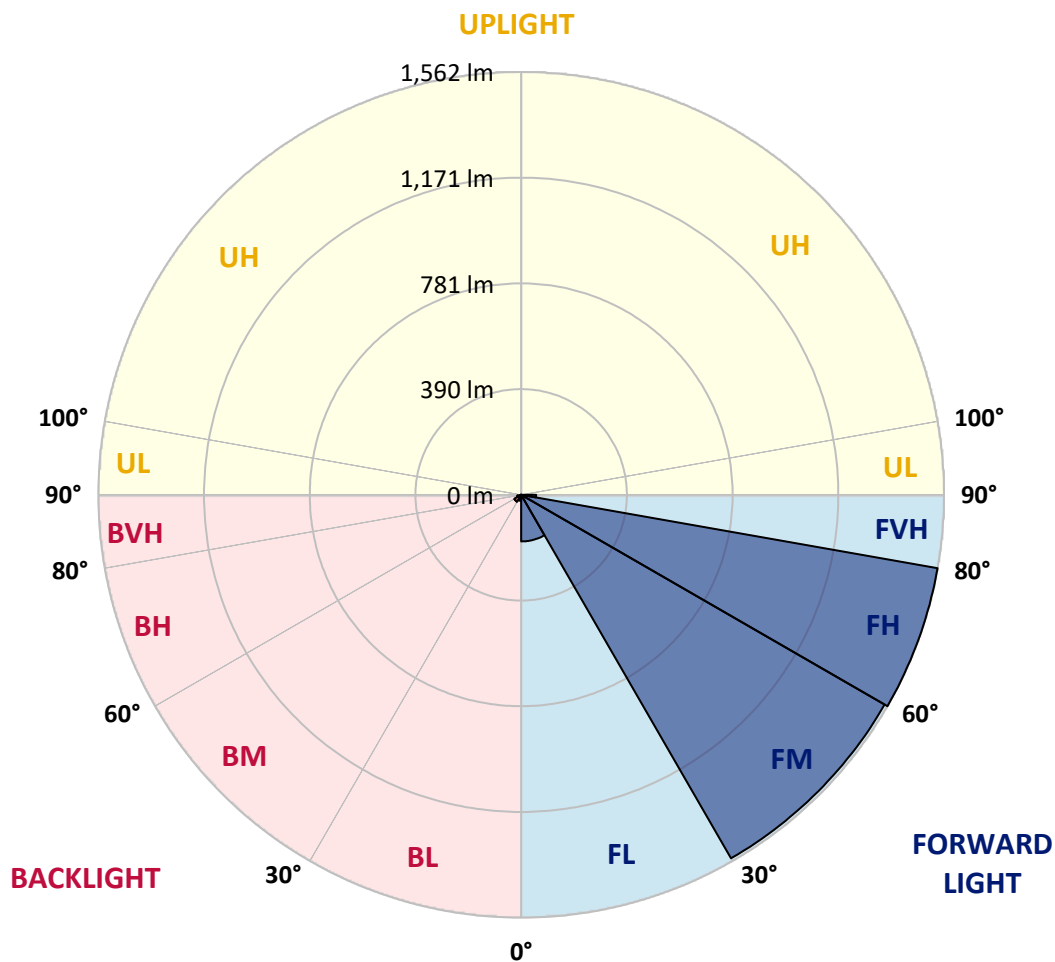
CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	172.2	5.1			
FM	(30°-60°)	1550.1	45.5			
FH	(60°-80°)	1561.7	45.8			G1/1800
FVH	(80°-90°)	55.3	1.6			G1/100
BL	(0°-30°)	21.4	0.6	B0/110		
BM	(30°-60°)	29.3	0.9	B0/220		
BH	(60°-80°)	15.2	0.4	B0/110		G0/110
BVH	(80°-90°)	2.6	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 III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2.5°	125.4	123.3	124.0	119.8	117.1	113.6	110.8	110.1	109.4	108.0	108.7
5°	180.5	178.4	173.5	165.1	157.5	145.6	133.8	133.1	131.0	128.9	127.5
7.5°	250.8	247.3	241.8	227.8	209.0	188.1	164.4	162.3	159.6	156.8	154.0
10°	332.3	330.3	319.8	303.8	275.2	241.1	201.4	199.3	193.0	189.5	186.7
12.5°	418.0	409.0	404.8	376.9	344.2	297.5	246.6	239.0	234.1	229.2	222.3
15°	482.8	484.2	474.5	452.2	413.9	359.5	296.1	287.8	280.8	271.7	263.4
17.5°	541.4	538.6	528.1	514.2	478.0	422.9	349.1	337.9	326.8	321.9	310.0
20°	588.7	587.3	579.0	565.7	537.9	484.9	404.8	395.7	383.2	374.8	361.6
22.5°	626.4	626.4	621.5	613.8	586.7	544.2	464.0	454.3	441.7	431.3	416.6
25°	656.3	655.6	656.3	652.8	634.7	595.7	524.6	513.5	503.0	490.5	476.6
27.5°	690.5	691.9	690.5	688.4	680.7	649.4	586.0	578.3	566.4	553.2	539.3
30°	743.4	739.2	738.5	737.1	728.1	708.6	649.4	640.3	631.2	622.2	612.4
32.5°	799.2	792.2	790.1	790.1	783.8	766.4	722.5	717.6	704.4	697.4	689.1
35°	862.6	859.8	857.0	857.7	854.9	836.8	800.5	801.9	797.8	783.8	775.5
37.5°	955.2	955.9	951.0	942.0	942.0	926.0	905.1	902.3	891.8	888.3	883.5
40°	1087.6	1084.1	1079.9	1066.7	1061.8	1034.7	1015.1	1008.2	999.8	999.1	993.5
42.5°	1240.9	1236.7	1236.7	1227.0	1217.2	1184.5	1147.5	1142.6	1133.6	1136.4	1134.3
45°	1383.0	1386.5	1391.4	1398.3	1399.7	1385.8	1332.2	1325.9	1321.0	1318.2	1316.1
47.5°	1505.6	1511.9	1527.9	1557.9	1596.2	1601.1	1558.6	1541.9	1538.4	1533.5	1529.3
50°	1593.4	1602.5	1638.7	1697.2	1771.8	1817.8	1794.8	1780.9	1780.2	1766.9	1765.5
52.5°	1643.6	1653.4	1712.6	1801.1	1916.7	2006.6	2035.2	2034.5	2033.1	2021.2	2016.4
55°	1654.7	1665.2	1736.3	1856.8	2021.9	2177.3	2286.7	2289.5	2295.7	2292.3	2292.3
57.5°	1624.1	1637.3	1714.7	1863.8	2077.0	2312.5	2551.4	2567.5	2575.1	2602.3	2633.7
60°	1567.7	1577.4	1654.7	1821.3	2086.7	2435.8	2895.6	2946.5	2986.2	3039.9	3090.7
62.5°	1463.1	1482.7	1556.5	1737.7	2057.5	2577.9	3306.7	3400.8	3478.1	3559.6	3657.9
65°	1336.3	1344.7	1407.4	1565.6	1926.5	2632.3	3533.8	3625.8	3724.7	3811.8	3899.6
67.5°	1177.5	1184.5	1238.8	1306.4	1590.0	2378.0	3310.2	3411.9	3501.1	3572.9	3687.8
70°	771.3	786.6	919.7	986.6	1111.3	1757.9	2706.8	2805.1	2873.3	2922.1	3055.2
72.5°	565.1	574.8	628.5	766.4	797.1	1038.8	1904.9	2011.5	2036.6	2128.5	2190.5
75°	344.9	369.3	490.5	656.3	776.9	711.4	1141.3	1192.8	1250.6	1317.5	1376.7
77.5°	69.7	79.4	160.2	452.2	683.5	760.1	681.4	691.2	719.7	726.0	748.3
80°	11.1	11.8	20.9	195.1	395.7	614.5	681.4	672.3	656.3	645.2	634.0
82.5°	4.9	5.6	9.1	49.5	84.3	204.8	589.4	635.4	688.4	717.6	725.3
85°	2.1	2.1	3.5	9.8	12.5	13.9	99.6	131.7	234.8	312.1	359.5
87.5°	1.4	1.4	2.1	2.1	2.8	3.5	4.9	4.9	5.6	6.3	9.1
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°	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2.5°	108.7	108.0	108.0	105.9	105.9	105.2	105.2	104.5	104.5	103.1	103.8
5°	126.8	125.4	124.0	121.9	121.2	119.8	118.4	116.4	115.7	114.3	113.6
7.5°	151.2	149.8	147.0	142.8	140.0	137.3	134.5	131.7	129.6	127.5	126.1
10°	181.2	177.0	175.6	167.2	163.7	158.2	154.7	151.9	147.7	144.2	142.1
12.5°	217.4	213.9	206.9	195.8	190.2	185.3	179.1	173.5	169.3	163.0	158.9
15°	255.0	252.2	242.5	229.9	223.0	213.9	207.6	202.1	193.0	188.8	181.2
17.5°	302.4	294.0	284.3	266.2	257.1	249.4	238.3	229.9	224.3	211.8	204.8
20°	351.2	342.1	329.6	309.4	296.8	285.0	275.9	264.8	252.9	244.6	232.7
22.5°	406.9	392.3	382.5	357.4	342.8	330.3	314.9	303.1	291.2	278.0	264.8
25°	466.1	451.5	439.6	411.1	395.7	383.2	365.1	348.4	333.7	319.1	303.8
27.5°	528.1	514.9	501.6	472.4	459.1	441.7	425.0	405.5	386.7	373.5	352.5
30°	599.9	588.7	574.1	542.8	528.1	510.0	492.6	469.6	451.5	433.4	413.2
32.5°	677.2	668.2	652.8	625.0	607.6	592.2	573.4	551.1	525.3	506.5	482.8
35°	771.3	756.0	746.9	720.4	707.2	690.5	671.0	651.4	624.3	597.8	577.6
37.5°	878.6	871.6	859.8	834.7	824.9	807.5	795.0	775.5	754.6	721.1	699.5
40°	988.7	983.8	973.3	948.3	938.5	926.7	912.0	893.2	868.1	850.7	818.7
42.5°	1128.7	1121.0	1112.7	1089.0	1070.2	1055.6	1049.3	1033.3	1006.8	984.5	959.4
45°	1306.4	1302.9	1291.7	1268.1	1249.2	1239.5	1229.7	1202.6	1185.1	1162.9	1145.4
47.5°	1521.0	1509.8	1504.3	1477.8	1471.5	1463.8	1438.8	1423.4	1398.3	1380.9	1359.3
50°	1753.0	1741.1	1741.8	1709.8	1711.2	1705.6	1686.8	1668.7	1647.1	1631.8	1618.5
52.5°	2002.4	2008.0	1994.1	2003.8	1992.7	1980.1	1976.6	1954.3	1935.5	1934.8	1916.7
55°	2309.0	2299.9	2303.4	2313.2	2297.8	2311.8	2304.8	2276.2	2276.9	2282.5	2261.6
57.5°	2638.5	2651.8	2680.3	2686.6	2713.1	2695.0	2742.4	2708.2	2729.1	2729.1	2715.2
60°	3122.1	3175.0	3244.0	3297.6	3347.1	3331.1	3393.1	3354.1	3382.0	3358.3	3346.4
62.5°	3704.5	3774.9	3856.4	3943.5	3993.7	4006.2	3997.2	4014.6	3987.4	3970.0	3924.7
65°	3984.6	4054.3	4125.4	4229.9	4243.8	4254.3	4250.1	4220.8	4187.4	4137.9	4078.7
67.5°	3751.9	3849.5	3889.2	4009.7	4050.1	4035.5	4040.4	4002.7	3950.5	3901.7	3814.6
70°	3110.9	3222.4	3243.3	3416.1	3464.2	3533.8	3508.8	3497.6	3440.5	3399.4	3303.2
72.5°	2265.1	2352.2	2345.2	2539.6	2531.2	2559.8	2627.4	2624.6	2564.7	2551.4	2470.6
75°	1394.2	1446.4	1443.6	1581.6	1523.8	1515.4	1534.2	1525.9	1469.4	1410.9	1360.7
77.5°	738.5	762.2	737.1	696.0	691.9	645.2	631.9	631.2	588.0	535.1	496.1
80°	622.2	597.8	568.5	508.6	473.8	442.4	413.2	386.0	356.7	317.7	270.3
82.5°	726.7	714.9	693.9	618.7	582.5	519.8	473.1	429.2	375.5	335.1	274.5
85°	353.9	353.2	370.0	362.3	349.1	346.3	300.3	290.5	268.9	246.6	206.2
87.5°	9.8	7.0	8.4	7.0	8.4	9.1	6.3	14.6	9.1	8.4	9.8
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2.5°	103.1	102.4	101.7	101.7	101.0	101.0	100.3	99.6	99.6	98.9	98.9
5°	112.2	110.8	110.1	109.4	108.0	107.3	105.9	105.2	103.8	103.1	101.7
7.5°	123.3	121.9	119.1	117.7	115.7	115.0	111.5	110.1	108.7	107.3	105.2
10°	137.3	133.8	131.0	128.2	124.7	121.9	119.1	117.1	114.3	110.8	109.4
12.5°	154.7	149.8	145.6	140.7	136.6	132.4	127.5	124.0	119.8	116.4	112.9
15°	174.2	167.2	161.6	154.7	147.7	142.8	138.0	133.1	127.5	122.6	118.4
17.5°	196.5	187.4	179.8	171.4	163.7	156.8	148.4	142.1	135.9	128.9	123.3
20°	220.2	211.1	200.7	191.6	180.5	172.8	162.3	154.0	144.9	138.0	130.3
22.5°	251.5	239.7	226.4	213.9	202.1	190.2	179.1	168.6	157.5	147.0	139.3
25°	288.4	273.8	257.1	244.6	227.8	214.6	200.7	187.4	175.6	162.3	149.8
27.5°	334.4	314.9	296.8	279.4	261.3	244.6	226.4	211.1	195.1	179.8	165.8
30°	388.1	369.3	342.1	322.6	304.5	281.5	263.4	243.2	225.0	202.8	187.4
32.5°	459.1	434.8	406.2	380.4	356.7	330.9	305.9	280.1	256.4	236.2	213.2
35°	551.8	523.2	489.1	456.4	429.9	398.5	366.5	337.2	310.0	280.8	252.2
37.5°	668.9	642.4	605.5	565.7	530.2	492.6	459.1	418.0	381.8	346.3	310.0
40°	785.2	760.8	722.5	680.0	634.0	590.8	548.3	501.6	455.7	411.1	373.5
42.5°	928.7	892.5	851.4	803.3	758.7	707.2	654.2	600.6	545.5	491.9	438.2
45°	1109.2	1081.3	1023.5	971.9	919.0	858.4	792.9	731.6	661.2	597.8	526.7
47.5°	1328.7	1278.5	1236.0	1188.6	1122.4	1063.9	980.3	907.8	820.1	735.8	650.8
50°	1587.9	1560.0	1503.6	1444.3	1372.6	1302.9	1221.4	1116.9	1011.7	921.8	805.4
52.5°	1890.9	1851.2	1815.7	1754.4	1681.2	1592.0	1499.4	1385.8	1256.9	1130.1	1006.1
55°	2250.5	2222.6	2188.4	2139.7	2046.3	1945.3	1833.8	1697.9	1545.4	1374.7	1230.4
57.5°	2714.5	2685.2	2652.5	2552.1	2488.7	2364.7	2203.1	2062.3	1897.9	1679.1	1500.1
60°	3347.8	3308.1	3262.1	3180.6	3048.2	2887.3	2713.8	2505.5	2304.1	2065.1	1830.3
62.5°	3889.2	3825.8	3727.5	3622.3	3463.5	3278.8	3060.8	2815.5	2586.3	2317.3	2056.1
65°	4000.7	3913.6	3797.9	3660.6	3496.9	3288.6	3060.8	2826.0	2556.3	2303.4	2040.7
67.5°	3710.8	3609.8	3491.3	3338.1	3182.0	2967.4	2770.9	2531.9	2278.3	2059.6	1824.8
70°	3234.2	3084.4	2963.2	2800.2	2642.0	2473.4	2266.5	2087.4	1881.2	1679.8	1500.1
72.5°	2428.8	2281.1	2171.0	2040.7	1946.7	1768.3	1616.4	1482.7	1360.7	1210.2	1077.2
75°	1309.2	1198.4	1124.5	1065.3	981.0	863.3	790.8	698.8	647.3	584.6	523.9
77.5°	427.1	376.2	321.2	267.5	229.9	172.8	167.2	133.1	125.4	121.9	94.1
80°	218.8	168.6	121.9	87.8	66.9	59.2	56.4	53.6	50.9	48.8	45.3
82.5°	219.5	158.9	109.4	75.9	55.0	46.0	43.2	41.8	39.7	37.6	34.8
85°	160.2	118.4	81.5	55.7	38.3	30.7	29.3	27.2	25.8	25.1	22.3
87.5°	10.5	7.7	7.0	6.3	6.3	6.3	7.0	6.3	7.0	7.0	6.3
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-F03-LED-E-U-T3-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2.5°	98.2	97.5	97.5	96.8	96.1	96.1	95.5	95.5	93.4	89.9	87.1
5°	101.0	99.6	98.9	98.2	97.5	96.1	95.5	94.8	91.3	84.3	78.7
7.5°	103.1	101.7	101.0	99.6	97.5	96.8	95.5	94.1	88.5	78.7	72.5
10°	106.6	104.5	102.4	100.3	98.2	96.8	94.8	93.4	85.0	73.9	67.6
12.5°	110.1	107.3	104.5	101.0	98.9	96.8	94.8	92.0	82.2	69.7	62.7
15°	114.3	110.1	106.6	103.1	99.6	96.8	93.4	91.3	79.4	66.2	59.9
17.5°	118.4	113.6	108.7	103.8	100.3	96.1	93.4	89.9	76.6	63.4	56.4
20°	123.3	116.4	111.5	105.9	101.0	96.1	92.0	88.5	73.9	59.9	53.0
22.5°	130.3	121.9	114.3	108.0	101.7	96.8	92.0	87.1	71.1	57.1	50.2
25°	139.3	128.9	119.8	112.2	104.5	98.2	92.7	87.8	69.0	55.0	46.7
27.5°	152.6	139.3	129.6	119.1	109.4	101.7	94.8	89.2	67.6	53.0	44.6
30°	168.6	155.4	140.0	127.5	117.1	106.6	98.9	90.6	66.2	50.9	41.8
32.5°	192.3	173.5	155.4	140.0	125.4	113.6	102.4	94.1	65.5	47.4	39.0
35°	226.4	200.7	179.1	158.9	138.7	124.0	110.8	99.6	64.8	44.6	36.2
37.5°	275.2	244.6	216.7	188.1	163.0	142.1	124.0	109.4	64.8	42.5	33.4
40°	327.5	287.8	252.2	216.7	184.6	158.2	133.8	115.7	63.4	39.7	30.7
42.5°	386.7	337.9	289.1	245.3	205.5	171.4	142.8	120.5	59.9	36.9	27.9
45°	466.1	402.0	343.5	287.1	235.5	190.9	154.7	126.1	56.4	34.8	25.1
47.5°	565.7	491.2	415.3	344.2	276.6	220.2	172.1	135.2	54.3	32.0	23.0
50°	714.2	608.3	507.9	417.3	331.6	257.8	197.9	148.4	52.3	30.0	20.9
52.5°	877.2	746.9	629.2	512.8	406.2	308.7	227.8	165.8	50.2	27.9	18.8
55°	1075.8	915.5	772.0	620.8	484.2	367.9	264.8	185.3	47.4	25.8	17.4
57.5°	1321.0	1118.3	948.3	763.6	592.2	444.5	314.2	218.1	44.6	23.0	15.3
60°	1594.8	1365.6	1151.7	935.0	727.4	546.2	387.4	264.8	41.8	20.2	13.2
62.5°	1792.0	1540.5	1295.9	1052.8	824.9	622.2	446.6	301.0	37.6	17.4	11.8
65°	1789.9	1534.9	1289.0	1049.3	827.7	625.0	448.7	308.0	33.4	15.3	10.5
67.5°	1594.8	1380.2	1160.8	945.5	751.8	568.5	415.3	285.7	28.6	13.9	9.1
70°	1312.0	1141.3	967.8	797.1	641.7	487.0	358.8	248.7	24.4	12.5	7.7
72.5°	958.0	833.3	727.4	606.9	501.0	384.6	286.4	195.1	19.5	10.5	7.0
75°	475.9	425.7	365.1	327.5	279.4	228.5	177.7	113.6	16.0	8.4	6.3
77.5°	90.6	80.8	77.3	66.9	61.3	54.3	48.1	34.1	12.5	6.3	5.6
80°	41.8	38.3	34.8	31.4	27.9	23.7	20.9	18.1	9.8	4.9	6.3
82.5°	32.7	30.0	26.5	23.7	20.9	18.1	15.3	13.2	6.3	4.2	6.3
85°	21.6	18.8	16.7	14.6	12.5	11.1	9.8	8.4	4.2	4.2	4.2
87.5°	6.3	6.3	5.6	5.6	4.9	4.9	4.2	4.2	3.5	3.5	3.5
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):

	125°	135°	145°	155°	165°	175°	180°
0°	94.8	94.8	94.8	94.8	94.8	94.8	94.8
2.5°	84.3	80.8	79.4	78.7	78.7	79.4	78.7
5°	74.6	71.1	69.7	68.3	68.3	68.3	69.0
7.5°	68.3	64.8	62.7	62.0	61.3	62.0	62.0
10°	62.7	59.9	57.1	55.7	55.7	55.7	55.7
12.5°	58.5	55.0	52.3	51.6	50.9	50.9	50.9
15°	55.0	50.9	48.8	47.4	46.7	46.7	47.4
17.5°	50.9	47.4	44.6	43.9	43.9	43.9	43.9
20°	48.1	43.9	41.8	40.4	40.4	40.4	40.4
22.5°	44.6	41.1	38.3	36.9	36.9	36.9	36.9
25°	41.8	38.3	35.5	34.1	34.1	34.1	34.1
27.5°	39.0	35.5	32.7	31.4	31.4	31.4	31.4
30°	36.2	32.7	30.0	28.6	28.6	28.6	28.6
32.5°	34.1	30.0	27.2	25.8	25.8	26.5	25.8
35°	30.7	27.2	24.4	23.0	23.0	23.0	23.0
37.5°	27.9	24.4	21.6	20.2	20.2	20.2	19.5
40°	25.8	21.6	18.8	17.4	16.7	16.7	16.7
42.5°	22.3	18.1	16.0	14.6	13.9	13.9	13.9
45°	20.2	16.0	13.2	11.8	11.8	11.8	11.8
47.5°	18.1	13.9	11.1	9.8	9.8	10.5	10.5
50°	16.0	11.8	9.1	9.1	9.1	9.8	9.8
52.5°	13.9	10.5	8.4	8.4	9.1	9.8	9.8
55°	12.5	9.1	7.7	8.4	9.1	9.8	9.8
57.5°	11.1	7.7	7.7	8.4	9.1	9.8	9.8
60°	9.8	7.0	7.0	7.7	9.1	9.8	9.8
62.5°	8.4	7.0	7.0	7.7	9.1	9.8	9.8
65°	7.7	7.0	7.0	7.7	9.1	9.8	9.8
67.5°	7.0	6.3	7.0	7.7	8.4	9.1	9.1
70°	6.3	6.3	7.0	7.7	8.4	9.1	9.1
72.5°	6.3	6.3	6.3	7.0	7.7	8.4	8.4
75°	6.3	6.3	6.3	7.0	7.7	8.4	8.4
77.5°	6.3	5.6	5.6	6.3	7.7	8.4	8.4
80°	6.3	5.6	5.6	6.3	7.0	8.4	8.4
82.5°	4.9	4.9	5.6	6.3	7.0	7.7	7.7
85°	4.2	4.9	4.9	5.6	6.3	7.7	7.7
87.5°	3.5	3.5	4.2	4.9	5.6	6.3	6.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)