

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: P154204

Luminaire Tested: **AVM-F02-LED-E-U-T2-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154204
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-F02-LED-E-U-T2-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2414.7 lumens
Efficiency: N/A
Efficacy: 43.9 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

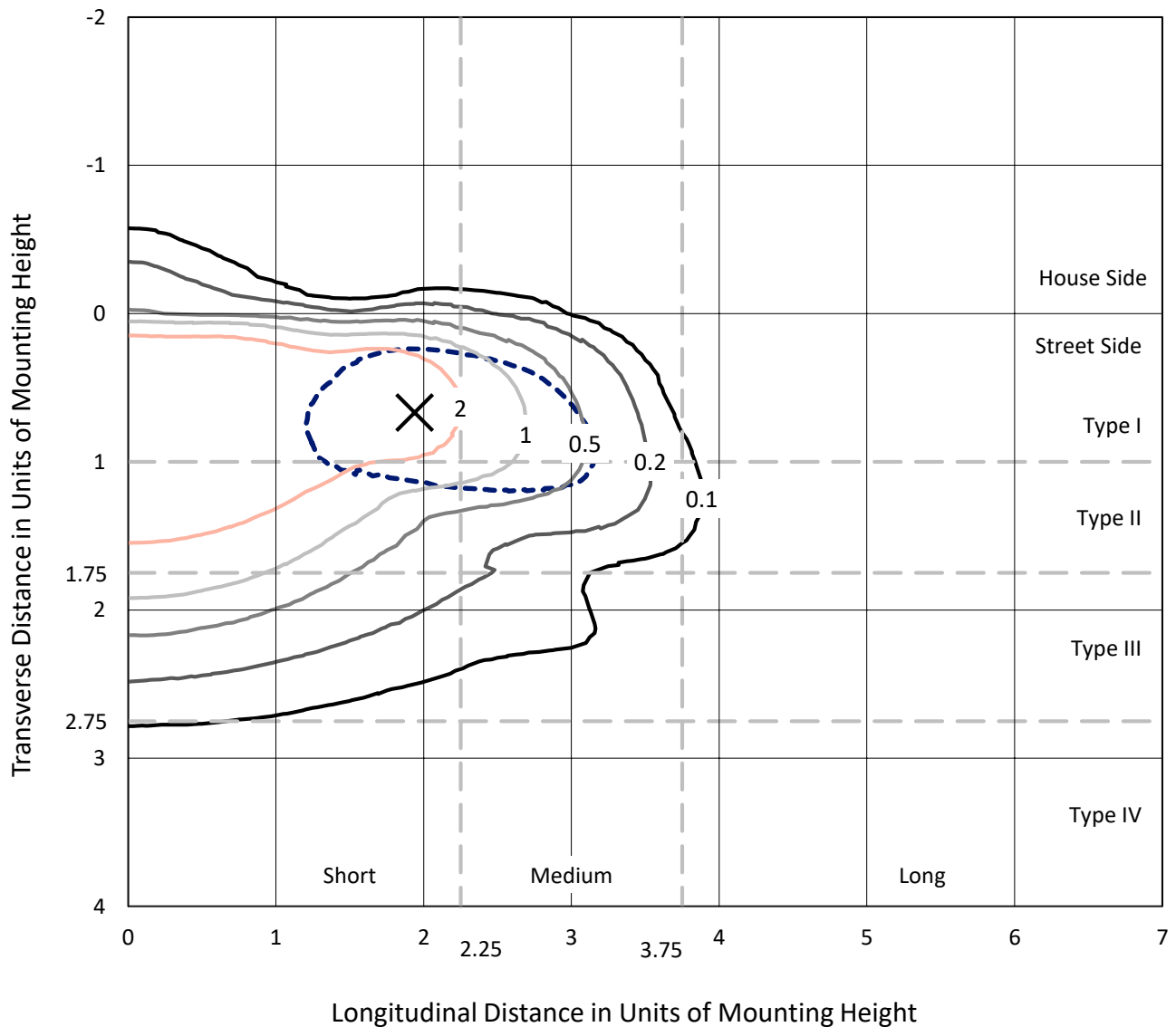
Input Watts (W): 55
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

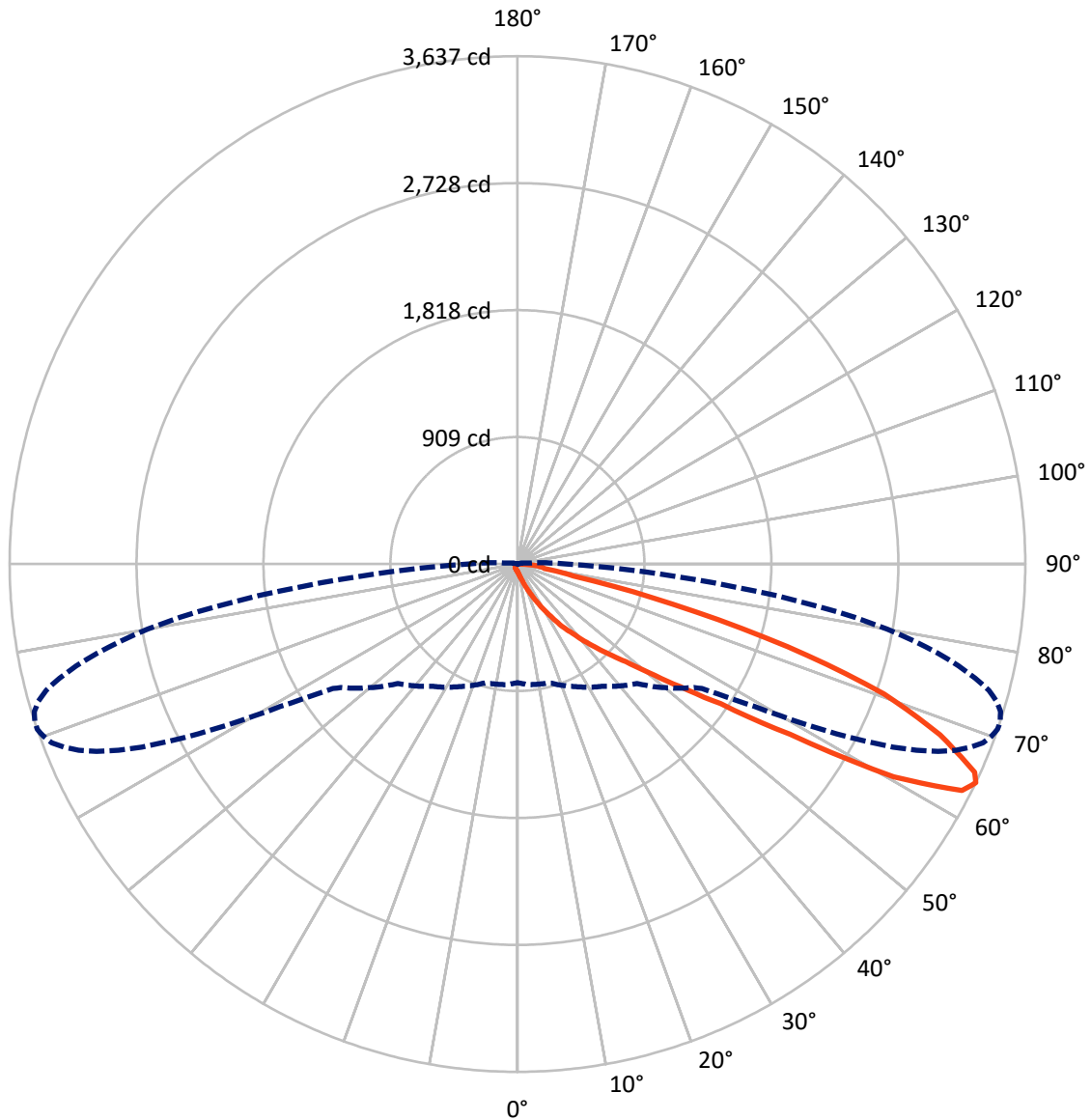
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.7 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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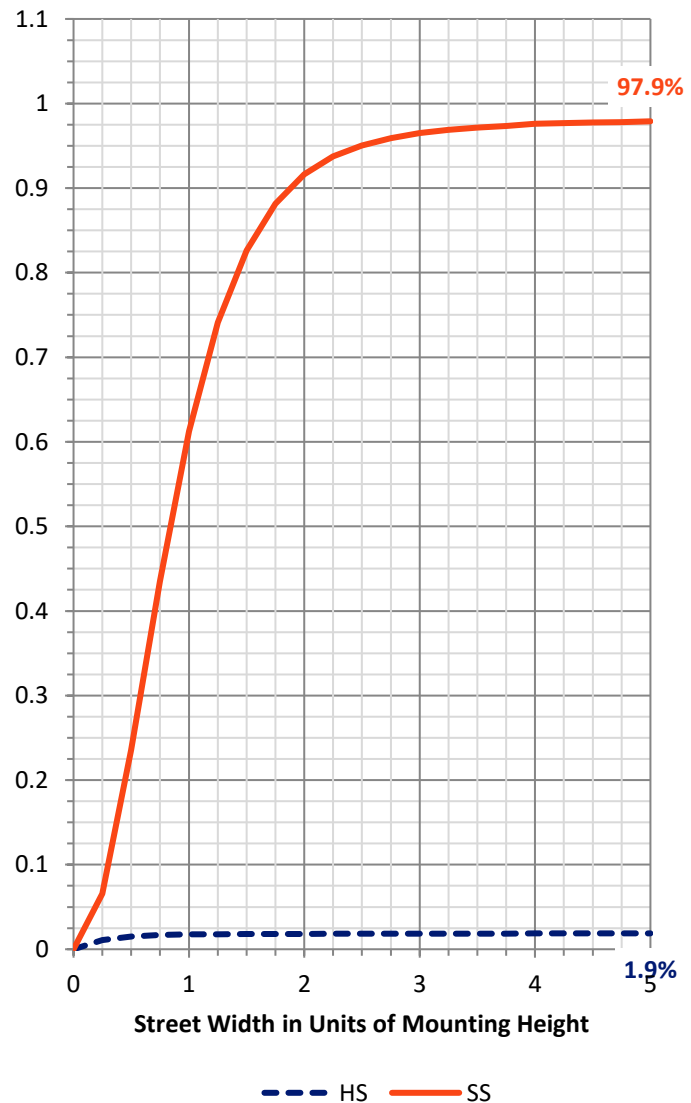
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	46.2	0.0	46.2
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	2368.5	0.0	2368.5
	% Fixture	98.1	0.0	98.1
Total	Lumens	2414.7	0.0	2414.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	7.4	0.3
10°-20°	43.7	1.8
20°-30°	111.5	4.6
30°-40°	225.6	9.3
40°-50°	412.3	17.1
50°-60°	642.4	26.6
60°-70°	714.0	29.6
70°-80°	232.9	9.6
80°-90°	25.0	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°	2414.7	100.0
0°-180°	2414.7	100.0

Coefficient of Utilization



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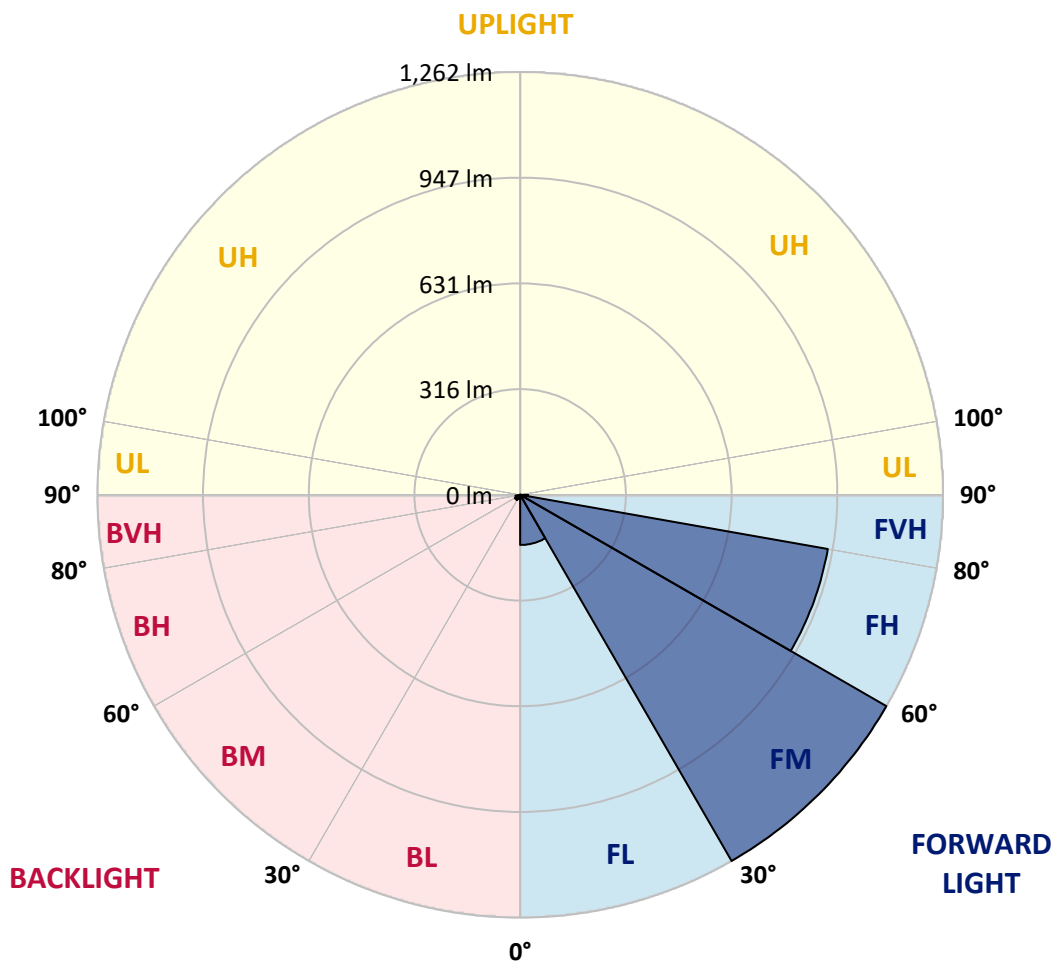
CATALOG NUMBER: AVM-F02-LED-E-U-T2-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.7	6.2			
FM	(30°-60°)	1262.4	52.3			
FH	(60°-80°)	932.6	38.6			G1/1800
FVH	(80°-90°)	23.8	1.0			G1/100
BL	(0°-30°)	12.9	0.5	B0/110		
BM	(30°-60°)	17.9	0.7	B0/220		
BH	(60°-80°)	14.3	0.6	B0/110		G0/110
BVH	(80°-90°)	1.2	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°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	72.4	71.4	71.4	69.9	67.9	65.8	63.8	63.3	62.8	62.3	62.3
5°	113.6	109.6	108.1	102.5	95.5	87.0	79.4	77.4	77.4	75.9	74.9
7.5°	178.4	176.4	165.9	160.3	143.8	123.2	101.5	99.5	99.0	97.0	94.0
10°	261.4	257.4	249.8	233.7	203.6	167.9	137.2	132.2	128.7	124.7	120.6
12.5°	344.3	339.3	328.2	302.1	271.9	226.2	176.9	172.4	166.9	161.4	154.8
15°	427.3	423.7	406.7	380.5	341.3	286.5	224.2	216.1	211.6	200.6	195.5
17.5°	499.1	494.6	481.0	451.4	410.7	350.4	276.5	266.4	258.9	252.3	240.3
20°	561.5	556.9	543.9	519.3	473.5	414.2	332.8	327.7	314.2	304.1	297.1
22.5°	599.7	598.2	589.6	566.0	525.3	472.5	397.1	389.1	380.0	366.4	358.4
25°	623.3	621.8	616.8	600.2	572.5	533.8	468.0	457.9	449.9	437.8	427.8
27.5°	647.9	646.9	642.9	628.3	613.8	589.6	539.9	534.3	516.7	509.7	500.1
30°	688.6	684.1	687.6	680.6	662.0	646.9	612.2	604.2	596.7	584.6	576.1
32.5°	753.5	746.0	753.5	746.0	737.9	719.8	686.6	684.1	676.6	669.0	657.0
35°	832.9	829.9	835.9	842.5	835.9	811.8	771.6	764.0	761.0	749.0	744.4
37.5°	912.8	918.4	929.4	944.0	940.0	922.4	865.6	858.5	853.0	842.5	834.4
40°	998.8	999.3	1022.9	1044.0	1054.6	1044.0	969.1	963.6	956.1	941.0	939.0
42.5°	1092.3	1088.3	1105.9	1129.5	1151.1	1165.7	1105.9	1095.3	1084.7	1067.7	1056.1
45°	1175.2	1175.2	1189.3	1211.4	1244.6	1281.3	1250.1	1239.1	1229.0	1214.9	1201.9
47.5°	1236.5	1237.1	1245.6	1277.8	1329.5	1384.3	1385.3	1387.3	1379.8	1363.2	1363.7
50°	1279.8	1274.2	1285.8	1317.0	1376.8	1462.7	1524.6	1528.1	1534.1	1520.6	1524.6
52.5°	1311.4	1308.9	1316.5	1342.6	1402.4	1507.5	1638.7	1653.8	1662.8	1664.8	1681.4
55°	1294.9	1296.4	1314.5	1352.2	1416.5	1537.1	1735.7	1760.3	1781.4	1799.5	1820.1
57.5°	1240.1	1244.6	1276.3	1335.1	1419.5	1561.3	1838.7	1876.4	1916.1	1964.4	2005.1
60°	1152.6	1163.2	1205.9	1288.3	1390.4	1529.6	1869.4	1927.2	1988.0	2061.4	2143.4
62.5°	1024.4	1026.4	1054.6	1134.5	1247.1	1361.2	1728.7	1802.5	1883.0	1989.0	2103.6
64°	849.0	867.1	880.2	968.1	1068.7	1210.9	1542.7	1593.9	1706.0	1836.2	1980.5
65°	700.7	722.3	732.9	820.8	936.0	1071.7	1380.8	1435.6	1553.7	1685.9	1865.9
67.5°	413.2	398.6	429.3	481.0	577.6	738.4	931.4	973.2	1061.1	1218.5	1362.2
70°	266.4	266.4	294.6	347.3	436.8	560.0	639.9	622.3	640.9	701.7	803.3
72.5°	170.9	180.0	197.0	241.8	324.7	469.5	654.0	571.0	527.8	507.7	506.7
75°	77.9	82.9	101.5	128.2	173.4	306.1	659.5	623.3	583.6	545.4	515.7
77.5°	16.6	19.1	32.2	66.4	84.4	141.2	468.0	522.3	565.5	578.1	578.1
80°	8.5	9.0	13.6	31.2	36.2	47.8	180.5	237.3	292.5	365.4	441.8
82.5°	3.5	4.0	8.0	14.1	15.1	14.6	47.8	60.3	82.9	120.6	180.0
85°	1.0	1.0	3.5	5.5	8.0	6.5	10.6	12.1	15.6	22.6	43.2
87.5°	0.0	0.0	0.5	1.0	1.5	2.5	3.0	3.0	3.0	3.0	3.0
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°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	61.8	61.8	61.3	60.8	60.8	59.8	59.8	59.3	59.3	58.8	58.8
5°	74.4	73.4	72.4	70.9	70.4	69.4	68.4	67.4	66.4	65.8	64.8
7.5°	92.5	91.5	88.5	86.5	83.9	82.4	80.4	78.9	77.4	76.4	74.4
10°	116.6	113.1	111.6	104.6	103.0	99.5	96.5	94.5	90.5	88.0	85.5
12.5°	150.8	144.3	141.8	129.7	126.2	121.1	117.6	112.6	108.1	105.1	100.5
15°	189.5	184.5	174.9	162.9	156.3	150.8	142.3	138.2	132.2	125.7	119.1
17.5°	235.7	226.7	216.1	200.6	192.5	184.0	175.9	167.4	157.3	151.3	144.3
20°	289.5	280.0	266.9	247.3	237.8	229.2	215.1	209.1	197.0	185.0	175.9
22.5°	348.3	338.8	326.2	304.1	291.5	277.5	265.9	255.4	241.3	229.2	218.7
25°	414.7	403.6	394.1	368.5	352.9	338.3	325.7	307.1	295.1	281.0	266.4
27.5°	490.1	477.0	464.5	436.3	421.7	405.6	390.6	371.0	359.4	336.3	322.7
30°	567.5	551.4	538.4	509.7	496.6	480.0	459.4	441.8	422.2	406.7	384.5
32.5°	648.9	635.9	625.3	595.2	578.6	558.0	539.4	520.8	503.7	478.5	458.4
35°	735.9	724.3	712.8	686.6	672.1	656.5	635.4	612.7	589.1	563.0	544.9
37.5°	827.4	818.3	809.3	777.6	760.5	743.9	719.8	697.2	676.1	648.4	617.8
40°	923.4	914.8	900.3	874.1	856.0	841.0	818.8	797.7	769.1	738.4	711.3
42.5°	1044.0	1025.4	1012.9	984.2	965.1	948.5	928.9	897.3	873.1	836.4	810.3
45°	1185.3	1167.7	1147.1	1117.9	1094.3	1067.2	1039.5	1017.9	987.7	954.6	920.9
47.5°	1344.1	1330.0	1305.9	1277.3	1253.6	1226.5	1193.8	1166.2	1129.5	1090.8	1045.0
50°	1519.0	1504.5	1488.4	1456.2	1432.6	1407.0	1381.3	1348.6	1315.5	1269.2	1222.0
52.5°	1681.4	1684.4	1674.9	1659.8	1648.2	1621.6	1598.0	1566.8	1537.6	1495.4	1458.7
55°	1841.8	1867.9	1877.9	1892.5	1897.6	1875.9	1875.4	1829.7	1812.1	1787.5	1766.4
57.5°	2053.4	2111.2	2156.9	2245.4	2282.6	2320.3	2327.3	2295.2	2328.3	2285.6	2300.2
60°	2233.3	2339.4	2453.0	2681.7	2796.3	2882.8	2952.1	3003.4	3036.6	3092.9	3095.9
62.5°	2249.4	2416.3	2589.2	2923.0	3079.8	3211.0	3336.2	3423.6	3493.0	3556.8	3572.4
64°	2172.5	2379.1	2589.2	2992.9	3153.2	3299.0	3413.1	3500.0	3570.9	3610.6	3636.8
65°	2032.8	2264.0	2505.8	2946.6	3112.0	3266.8	3375.9	3463.3	3530.2	3569.9	3597.1
67.5°	1506.0	1729.7	1972.4	2485.7	2746.0	2887.8	3027.5	3150.2	3204.0	3254.2	3263.8
70°	917.9	1080.2	1247.6	1723.6	1965.4	2220.3	2377.6	2557.0	2682.7	2760.1	2785.8
72.5°	553.9	610.2	710.3	966.1	1197.8	1376.8	1594.4	1765.9	1906.6	1984.5	2023.7
75°	493.1	486.1	499.1	605.7	688.1	795.7	874.6	982.2	1069.2	1096.3	1147.1
77.5°	570.0	549.9	529.3	509.2	505.2	495.1	479.0	483.1	444.9	408.2	409.2
80°	507.7	555.9	584.6	563.5	515.7	467.5	408.2	334.3	261.4	216.1	197.0
82.5°	254.8	362.4	466.0	568.5	561.5	518.7	453.4	372.5	288.5	221.7	176.9
85°	78.4	139.2	196.0	272.4	316.2	310.1	272.4	264.9	189.0	147.3	113.6
87.5°	3.5	3.5	3.5	3.0	3.5	3.5	3.5	4.0	4.0	4.5	4.5
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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	58.8	58.3	57.8	57.3	57.3	57.3	56.8	56.8	56.3	56.3	55.8
5°	64.8	63.8	63.3	62.3	62.3	61.3	60.8	60.3	59.3	58.8	58.3
7.5°	72.9	71.9	70.4	68.9	68.4	66.9	65.3	64.3	63.3	62.3	61.3
10°	83.4	81.4	78.4	76.4	74.9	72.9	70.9	69.4	67.4	65.3	64.3
12.5°	97.0	93.0	90.0	86.5	83.4	80.4	76.9	74.9	72.9	69.9	67.9
15°	112.6	108.6	105.1	99.0	94.0	90.0	87.0	82.4	78.9	74.9	71.9
17.5°	139.2	128.7	121.6	115.6	110.6	103.0	97.0	92.0	87.5	82.4	78.9
20°	165.4	156.3	146.8	139.7	128.7	122.1	114.1	107.1	99.0	93.0	87.0
22.5°	203.6	192.0	180.0	169.4	154.3	145.3	134.7	125.7	115.6	105.6	99.0
25°	251.8	234.7	218.7	203.6	189.5	175.9	162.4	147.8	137.2	125.2	114.1
27.5°	302.6	283.5	267.9	248.3	230.2	213.6	196.5	181.0	162.9	147.3	134.2
30°	366.4	340.3	322.2	298.6	280.5	257.4	236.3	215.6	193.5	175.4	156.8
32.5°	431.3	413.7	383.0	362.9	335.8	308.1	286.0	262.4	235.2	211.6	189.0
35°	516.7	486.6	460.9	432.8	403.1	374.5	345.8	312.2	284.5	255.4	227.7
37.5°	592.1	561.5	531.8	495.1	461.4	431.3	396.6	361.4	328.7	294.1	260.9
40°	679.6	641.4	606.2	572.0	530.3	494.6	458.4	414.7	377.0	338.8	299.6
42.5°	775.1	736.4	694.7	655.5	609.7	566.0	521.3	477.5	435.3	389.1	343.3
45°	879.7	838.9	792.2	747.5	697.7	649.4	596.2	545.9	496.1	444.4	391.6
47.5°	1009.3	957.1	913.8	858.0	796.2	745.4	680.1	622.8	566.0	505.7	446.4
50°	1177.2	1117.9	1055.6	993.8	925.4	861.1	788.7	720.8	644.9	577.6	509.7
52.5°	1399.9	1355.7	1283.3	1212.4	1129.0	1047.0	947.5	859.6	762.0	676.1	593.1
55°	1716.1	1686.9	1624.1	1546.7	1473.8	1354.2	1239.6	1102.8	976.2	852.5	735.9
57.5°	2288.6	2257.0	2187.1	2168.5	2056.4	1968.4	1834.2	1657.3	1442.6	1253.6	1065.1
60°	3113.0	3051.2	2982.8	2970.2	2838.5	2746.0	2612.8	2424.3	2222.3	1920.7	1663.8
62.5°	3573.4	3554.8	3499.5	3431.7	3317.6	3180.3	3030.6	2848.1	2643.0	2378.6	2073.0
64°	3635.3	3618.2	3570.4	3494.0	3379.4	3243.2	3077.3	2895.3	2689.7	2448.5	2169.5
65°	3596.5	3572.4	3531.7	3461.3	3354.8	3224.1	3057.2	2872.7	2664.1	2431.9	2172.5
67.5°	3284.4	3273.3	3236.1	3170.8	3103.9	2986.3	2839.5	2674.7	2504.3	2274.0	2061.4
70°	2788.8	2780.7	2733.5	2707.3	2596.8	2522.4	2403.7	2274.0	2123.2	1962.9	1781.9
72.5°	2067.5	2040.3	2002.1	1962.4	1887.5	1785.5	1693.0	1554.7	1476.8	1341.6	1239.6
75°	1096.3	1079.2	1019.9	937.0	844.5	796.7	700.7	614.8	546.4	515.7	441.8
77.5°	379.0	345.3	312.2	275.0	218.2	171.9	137.2	109.6	86.5	76.4	63.8
80°	189.0	179.5	168.9	147.8	124.2	100.0	78.4	61.8	50.8	43.2	38.7
82.5°	153.3	135.7	121.1	106.1	84.9	69.9	55.3	45.2	37.2	32.7	28.7
85°	90.5	69.4	52.8	47.8	37.2	32.2	27.6	23.6	20.1	19.1	17.6
87.5°	3.5	4.5	4.5	3.5	4.5	4.0	4.0	3.5	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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 CATALOG NUMBER: AVM-F02-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	55.8	55.3	55.3	54.8	54.3	54.3	54.3	53.8	52.8	50.8	49.3
5°	57.8	57.3	56.8	55.8	55.3	54.8	54.3	54.3	51.8	48.3	45.7
7.5°	60.3	59.3	58.3	57.3	56.8	55.8	54.8	54.3	50.8	46.2	43.7
10°	62.8	61.3	59.8	59.3	57.8	56.8	55.3	54.3	50.3	44.7	41.2
12.5°	65.8	63.8	61.8	60.3	58.3	57.3	55.8	54.3	49.3	43.2	39.2
15°	69.4	66.4	63.8	62.3	60.3	57.8	55.8	54.3	48.3	41.7	37.2
17.5°	73.9	70.4	67.4	64.3	61.3	58.8	56.8	54.8	46.7	39.7	34.7
20°	80.9	76.4	71.4	67.9	63.8	60.8	57.3	54.8	45.7	37.7	32.7
22.5°	90.5	83.4	77.9	71.9	66.9	62.8	58.8	55.8	44.2	35.7	30.2
25°	104.1	95.0	86.0	78.4	71.9	66.4	61.3	57.3	43.2	34.2	28.7
27.5°	119.1	108.6	96.5	87.5	78.4	70.4	64.8	59.8	43.2	33.2	27.1
30°	140.2	125.2	110.6	99.0	87.0	77.9	69.9	63.3	43.2	32.7	25.6
32.5°	165.9	148.8	130.2	113.6	99.5	86.5	76.4	67.9	44.2	31.7	24.6
35°	201.6	176.4	154.3	133.7	115.1	100.0	87.0	75.4	45.7	31.2	23.1
37.5°	229.7	199.6	171.4	147.8	126.2	107.6	91.0	78.4	44.2	29.2	21.6
40°	263.4	229.2	195.0	165.4	140.7	116.6	97.5	82.4	43.2	26.6	19.6
42.5°	304.1	261.4	221.7	188.0	157.3	128.7	106.1	87.5	43.2	25.1	18.1
45°	342.3	295.6	251.3	209.1	173.4	141.8	114.1	93.0	42.7	23.6	16.1
47.5°	389.6	334.3	282.5	233.7	192.5	153.8	122.6	98.0	42.2	22.1	14.6
50°	445.4	378.0	319.7	261.4	211.1	168.4	132.7	103.5	41.2	20.6	13.1
52.5°	507.2	434.8	360.4	293.1	234.2	184.0	142.3	108.6	39.7	19.1	11.6
55°	616.8	517.2	429.3	345.8	269.4	207.1	156.3	116.1	38.2	17.6	10.1
57.5°	879.7	714.8	590.1	464.5	354.9	265.9	194.5	137.7	36.2	15.6	8.0
60°	1381.3	1109.4	897.8	704.2	536.8	408.2	286.5	203.6	38.7	13.1	7.0
62.5°	1771.9	1459.2	1189.8	947.0	735.4	559.0	417.2	304.1	55.8	11.6	5.5
64°	1873.9	1557.2	1269.7	1015.4	795.2	613.2	465.5	343.8	71.9	11.6	5.0
65°	1889.0	1587.4	1298.4	1040.5	815.8	627.8	479.5	356.9	78.4	12.1	4.5
67.5°	1826.7	1569.8	1306.9	1051.1	831.4	647.9	498.6	377.5	88.5	11.6	3.5
70°	1595.5	1406.4	1190.3	983.2	784.2	615.8	479.5	365.9	92.5	11.1	3.0
72.5°	1085.8	955.6	827.9	681.1	545.9	449.9	349.9	257.9	64.8	9.0	2.5
75°	361.9	352.9	315.7	239.3	201.1	163.4	130.7	100.5	24.6	5.5	2.5
77.5°	60.3	51.8	45.2	43.2	36.2	35.2	30.7	24.6	10.6	3.5	2.5
80°	35.2	32.2	28.1	25.1	22.1	19.6	16.6	14.1	6.5	2.5	3.0
82.5°	26.1	23.1	20.6	18.1	15.6	13.6	11.6	9.6	3.5	2.5	3.0
85°	15.1	13.1	11.6	10.1	8.0	7.0	6.0	5.0	2.5	2.5	2.5
87.5°	3.0	3.0	2.5	2.5	2.5	2.5	2.5	2.0	2.5	2.5	2.0
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-F02-LED-E-U-T2-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	53.8	53.8	53.8	53.8	53.8	53.8	53.8
2.5°	48.3	46.7	46.2	46.2	46.2	46.2	46.2
5°	44.2	42.7	41.7	41.2	41.2	41.2	41.2
7.5°	41.2	39.2	38.2	37.2	37.2	36.7	36.7
10°	38.2	36.2	34.7	33.7	33.2	33.2	33.2
12.5°	35.7	33.7	31.7	30.7	30.7	30.2	30.2
15°	33.7	30.7	29.2	28.1	28.1	27.6	27.6
17.5°	31.2	28.7	27.1	26.1	25.6	25.6	25.6
20°	28.7	26.1	24.6	24.1	23.6	23.6	23.1
22.5°	26.6	24.1	22.6	22.1	21.6	21.6	21.1
25°	24.6	22.1	20.6	20.1	19.6	19.1	19.1
27.5°	23.1	20.6	19.1	18.1	17.6	17.1	17.1
30°	21.6	18.6	17.1	16.1	15.6	15.1	15.1
32.5°	20.1	17.1	15.1	14.1	13.6	13.1	13.1
35°	18.1	15.1	13.1	12.6	12.1	11.6	11.1
37.5°	16.6	13.1	11.6	10.6	10.1	9.6	9.6
40°	14.6	11.6	10.1	9.0	8.0	7.5	7.5
42.5°	13.1	10.1	8.5	7.0	6.5	6.0	6.0
45°	11.6	9.0	7.0	5.5	5.0	4.5	4.5
47.5°	10.1	7.5	5.5	4.5	4.0	3.5	3.5
50°	8.5	6.0	4.0	3.0	3.5	3.0	3.0
52.5°	7.5	4.5	3.0	3.0	3.0	3.0	3.0
55°	6.0	3.5	2.5	2.5	3.0	3.0	3.0
57.5°	5.0	2.5	2.0	2.5	2.5	2.5	2.5
60°	3.5	2.0	2.0	2.5	2.5	2.5	2.5
62.5°	3.0	2.0	2.0	2.0	2.5	2.5	2.5
64°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
65°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
67.5°	2.5	2.0	2.0	2.0	2.5	2.5	2.5
70°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
72.5°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
75°	2.0	2.0	2.0	2.0	2.5	2.5	2.5
77.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
80°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
82.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
85°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
87.5°	2.0	2.0	2.0	2.5	2.5	2.5	2.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)