

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: P154207

Luminaire Tested: **AVM-F02-LED-E-U-T2-HSS-7060**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P154207  
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-7060  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD  
Light Source: (14) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2712.9 lumens  
Efficiency: N/A  
Efficacy: 49.3 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

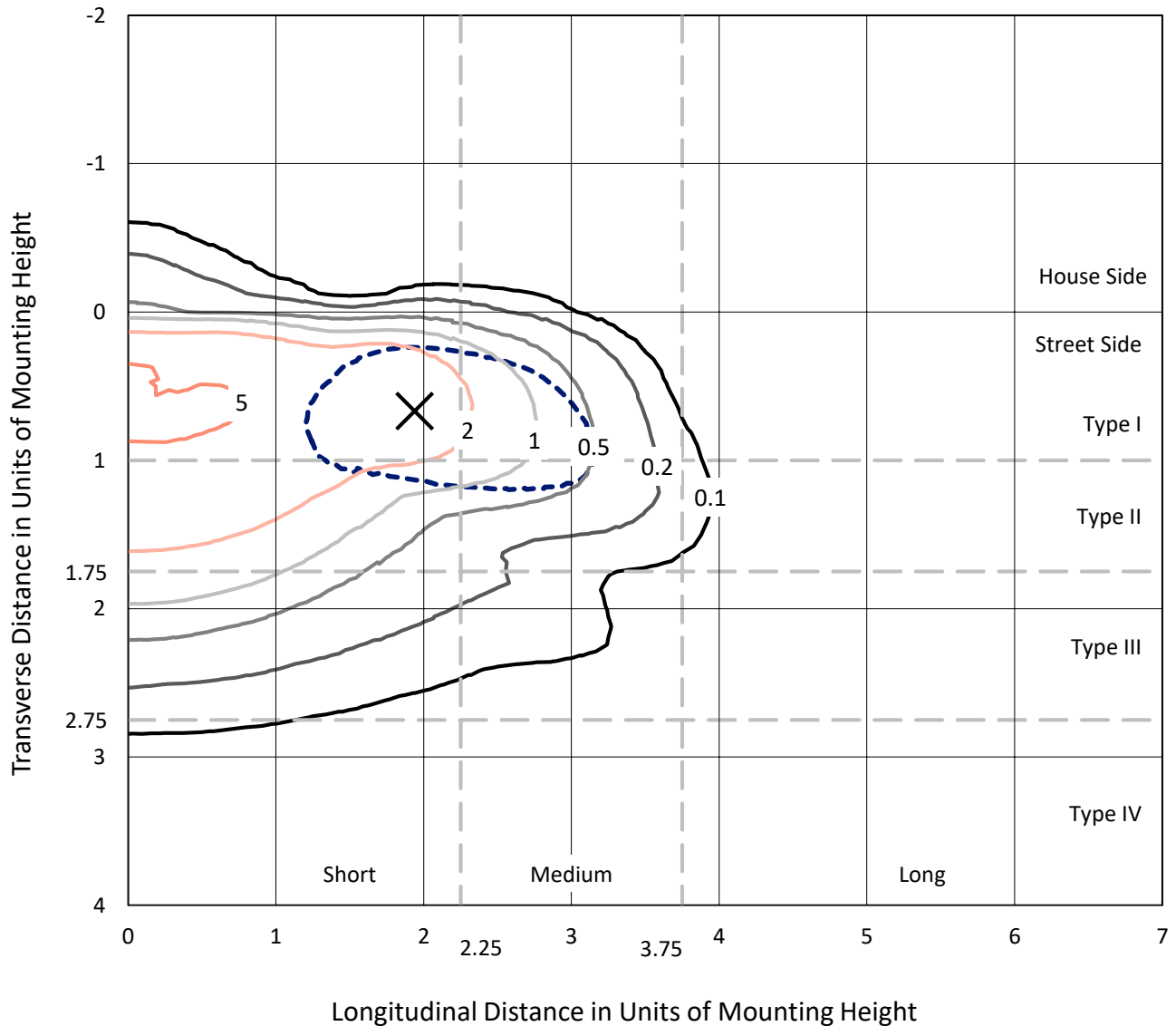
Input Watts (W): 55  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

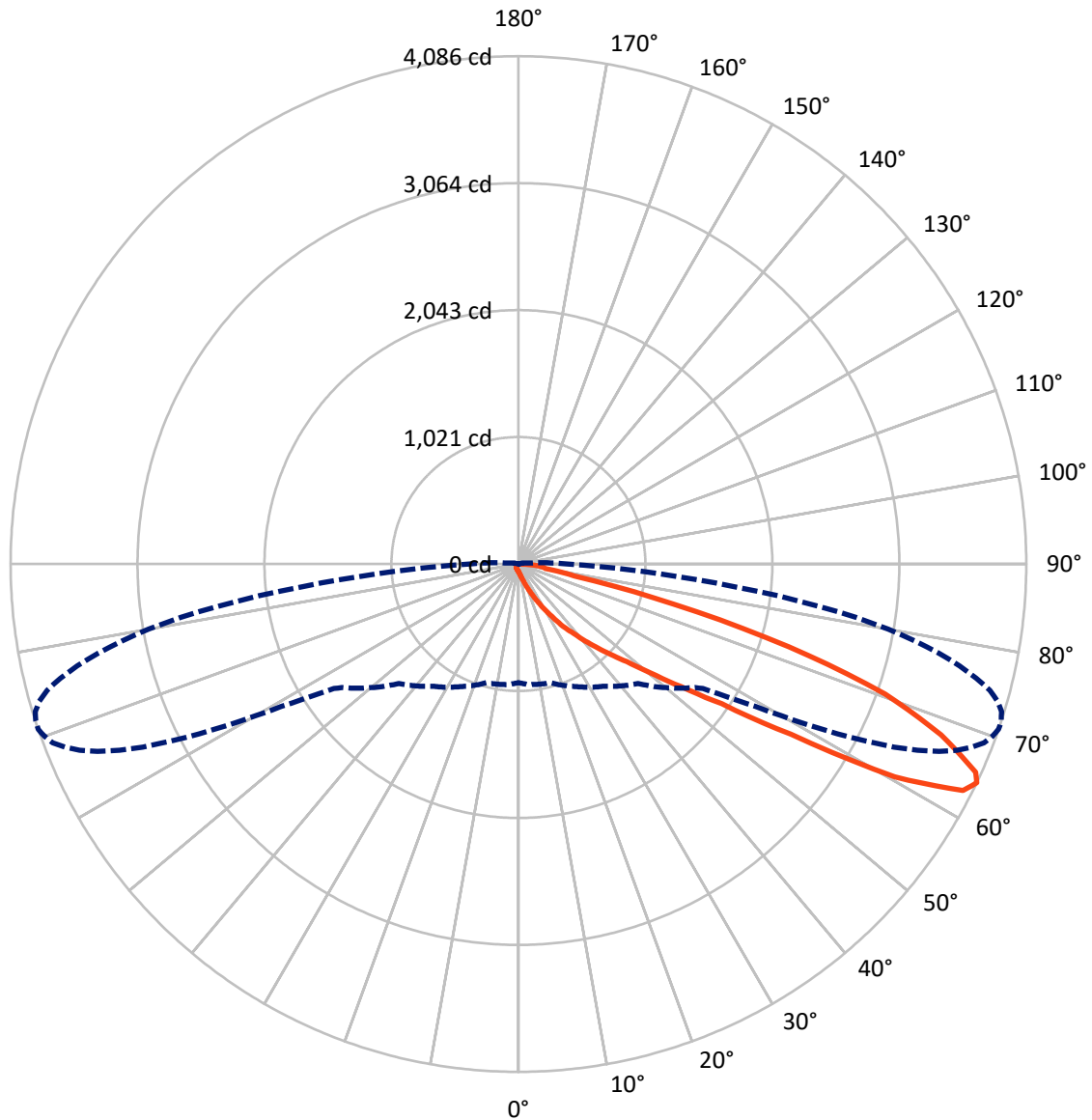
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.3 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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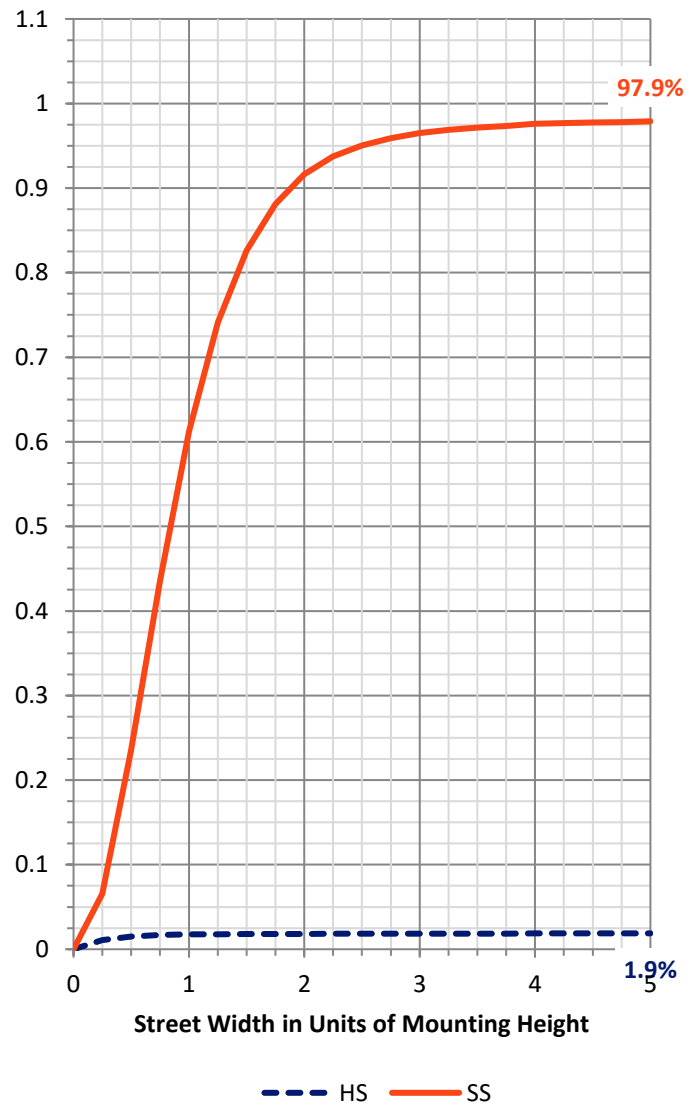
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	52.0	0.0	52.0
	% Fixture	1.9	0.0	1.9
<b>Street Side</b>	Lumens	2660.9	0.0	2660.9
	% Fixture	98.1	0.0	98.1
<b>Total</b>	Lumens	2712.9	0.0	2712.9
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	8.3	0.3
10°-20°	49.0	1.8
20°-30°	125.3	4.6
30°-40°	253.4	9.3
40°-50°	463.2	17.1
50°-60°	721.7	26.6
60°-70°	802.2	29.6
70°-80°	261.6	9.6
80°-90°	28.2	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°	2712.9	100.0
0°-180°	2712.9	100.0



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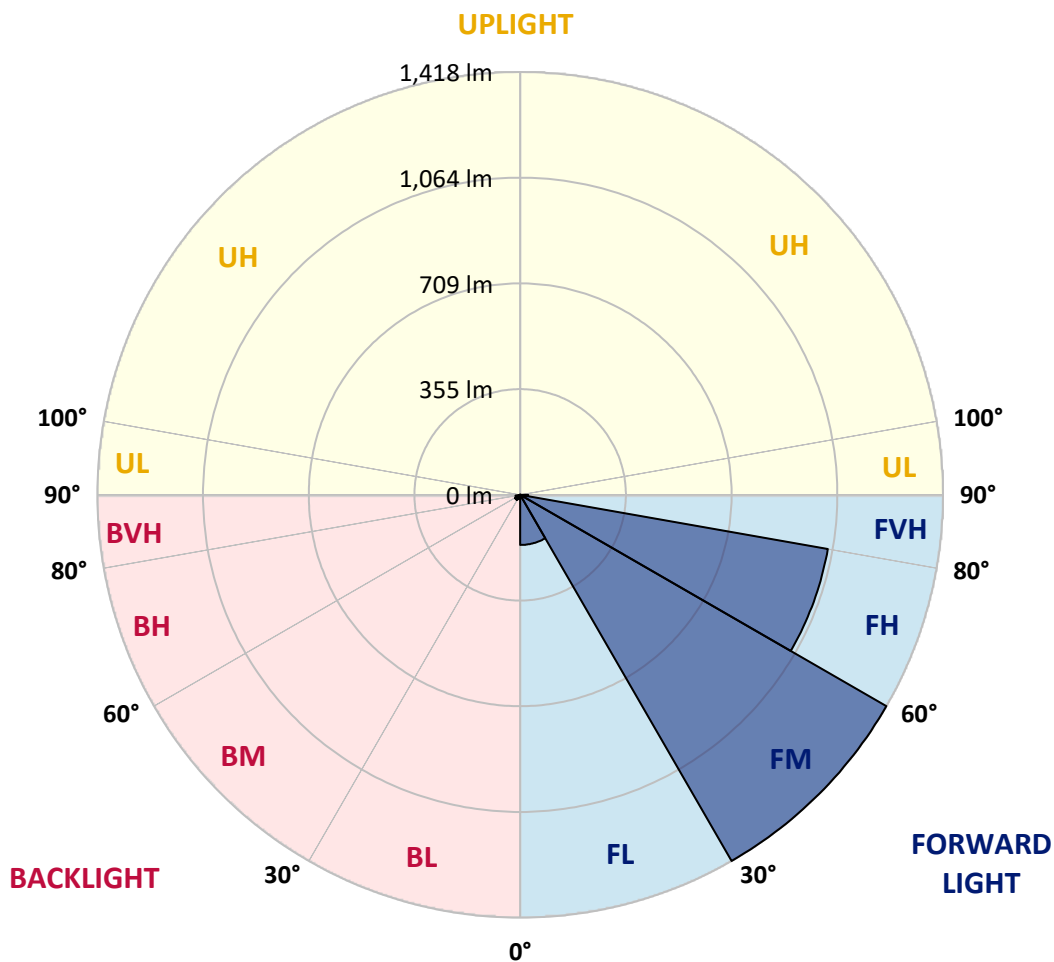
CATALOG NUMBER: AVM-F02-LED-E-U-T2-HSS-7060

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	168.2	6.2			
FM (30°-60°)	1418.2	52.3			
FH (60°-80°)	1047.7	38.6			G1/1800
FVH (80°-90°)	26.8	1.0			G1/100
BL (0°-30°)	14.5	0.5	B0/110		
BM (30°-60°)	20.1	0.7	B0/220		
BH (60°-80°)	16.0	0.6	B0/110		G0/110
BVH (80°-90°)	1.4	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°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	81.3	80.2	80.2	78.5	76.2	74.0	71.7	71.2	70.6	70.0	70.0
5°	127.6	123.1	121.4	115.2	107.3	97.7	89.2	87.0	87.0	85.3	84.1
7.5°	200.5	198.2	186.4	180.1	161.5	138.4	114.1	111.8	111.2	109.0	105.6
10°	293.7	289.1	280.7	262.6	228.7	188.6	154.2	148.5	144.6	140.0	135.5
12.5°	386.8	381.2	368.8	339.4	305.5	254.1	198.8	193.7	187.5	181.3	173.9
15°	480.0	476.1	456.9	427.5	383.4	321.9	251.9	242.8	237.7	225.3	219.7
17.5°	560.8	555.7	540.4	507.1	461.4	393.6	310.6	299.3	290.8	283.5	269.9
20°	630.8	625.7	611.0	583.4	532.0	465.3	373.8	368.2	352.9	341.7	333.7
22.5°	673.7	672.0	662.4	635.9	590.1	530.8	446.1	437.1	426.9	411.7	402.6
25°	700.2	698.6	692.9	674.3	643.2	599.7	525.8	514.5	505.4	491.9	480.6
27.5°	727.9	726.8	722.3	705.9	689.5	662.4	606.5	600.3	580.5	572.6	561.9
30°	773.7	768.6	772.5	764.6	743.7	726.8	687.8	678.8	670.3	656.8	647.2
32.5°	846.5	838.0	846.5	838.0	829.0	808.7	771.4	768.6	760.1	751.6	738.1
35°	935.7	932.3	939.1	946.5	939.1	912.0	866.8	858.4	855.0	841.4	836.3
37.5°	1025.5	1031.7	1044.2	1060.5	1056.0	1036.3	972.4	964.5	958.3	946.5	937.4
40°	1122.1	1122.7	1149.2	1172.9	1184.8	1172.9	1088.8	1082.6	1074.1	1057.2	1054.9
42.5°	1227.1	1222.6	1242.4	1268.9	1293.2	1309.6	1242.4	1230.5	1218.7	1199.5	1186.5
45°	1320.3	1320.3	1336.1	1361.0	1398.2	1439.5	1404.5	1392.0	1380.7	1364.9	1350.2
47.5°	1389.2	1389.8	1399.4	1435.5	1493.7	1555.2	1556.4	1558.6	1550.1	1531.5	1532.1
50°	1437.8	1431.6	1444.5	1479.6	1546.8	1643.3	1712.8	1716.7	1723.5	1708.3	1712.8
52.5°	1473.3	1470.5	1479.0	1508.4	1575.6	1693.6	1841.0	1857.9	1868.1	1870.3	1889.0
55°	1454.7	1456.4	1476.7	1519.1	1591.4	1726.9	1950.0	1977.6	2001.4	2021.7	2044.8
57.5°	1393.2	1398.2	1433.8	1499.9	1594.8	1754.0	2065.7	2108.1	2152.7	2206.9	2252.7
60°	1294.9	1306.8	1354.8	1447.4	1562.0	1718.4	2100.2	2165.1	2233.5	2315.9	2408.0
62.5°	1150.9	1153.2	1184.8	1274.6	1401.1	1529.3	1942.1	2025.1	2115.4	2234.6	2363.3
64°	953.8	974.1	988.8	1087.6	1200.6	1360.4	1733.1	1790.7	1916.6	2062.9	2225.0
65°	787.2	811.5	823.4	922.2	1051.5	1204.0	1551.3	1612.8	1745.5	1894.1	2096.2
67.5°	464.2	447.8	482.3	540.4	648.9	829.6	1046.4	1093.3	1192.1	1368.9	1530.4
70°	299.3	299.3	330.9	390.2	490.7	629.1	718.9	699.1	720.0	788.3	902.4
72.5°	192.0	202.2	221.4	271.6	364.8	527.4	734.7	641.5	593.0	570.4	569.2
75°	87.5	93.2	114.1	144.0	194.8	343.9	740.9	700.2	655.6	612.7	579.4
77.5°	18.6	21.5	36.1	74.5	94.9	158.7	525.8	586.7	635.3	649.4	649.4
80°	9.6	10.2	15.2	35.0	40.7	53.6	202.7	266.5	328.7	410.5	496.4
82.5°	4.0	4.5	9.0	15.8	16.9	16.4	53.6	67.8	93.2	135.5	202.2
85°	1.1	1.1	4.0	6.2	9.0	7.3	11.9	13.6	17.5	25.4	48.6
87.5°	0.0	0.0	0.6	1.1	1.7	2.8	3.4	3.4	3.4	3.4	3.4
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):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	69.5	69.5	68.9	68.3	68.3	67.2	67.2	66.6	66.6	66.1	66.1
5°	83.6	82.4	81.3	79.6	79.1	77.9	76.8	75.7	74.5	74.0	72.8
7.5°	103.9	102.8	99.4	97.1	94.3	92.6	90.4	88.7	87.0	85.8	83.6
10°	131.0	127.1	125.4	117.5	115.8	111.8	108.4	106.2	101.6	98.8	96.0
12.5°	169.4	162.1	159.3	145.7	141.7	136.1	132.1	126.5	121.4	118.0	112.9
15°	212.9	207.3	196.5	183.0	175.6	169.4	159.8	155.3	148.5	141.2	133.8
17.5°	264.9	254.7	242.8	225.3	216.3	206.7	197.7	188.1	176.8	170.0	162.1
20°	325.3	314.5	299.9	277.8	267.1	257.5	241.7	234.9	221.4	207.8	197.7
22.5°	391.3	380.6	366.5	341.7	327.5	311.7	298.7	286.9	271.1	257.5	245.7
25°	465.9	453.5	442.7	413.9	396.4	380.1	365.9	345.0	331.5	315.7	299.3
27.5°	550.6	535.9	521.8	490.2	473.8	455.7	438.8	416.8	403.8	377.8	362.5
30°	637.6	619.5	604.8	572.6	557.9	539.3	516.2	496.4	474.4	456.9	432.0
32.5°	729.0	714.4	702.5	668.6	650.0	626.8	605.9	585.0	565.8	537.6	515.0
35°	826.7	813.8	800.8	771.4	755.0	737.5	713.8	688.4	661.8	632.5	612.2
37.5°	929.5	919.4	909.2	873.6	854.4	835.8	808.7	783.3	759.5	728.5	694.0
40°	1037.4	1027.8	1011.4	982.0	961.7	944.8	919.9	896.2	864.0	829.6	799.1
42.5°	1172.9	1152.0	1137.9	1105.7	1084.3	1065.6	1043.6	1008.0	980.9	939.7	910.3
45°	1331.6	1311.8	1288.7	1255.9	1229.4	1198.9	1167.8	1143.6	1109.7	1072.4	1034.6
47.5°	1510.1	1494.2	1467.1	1434.9	1408.4	1377.9	1341.2	1310.1	1268.9	1225.4	1174.0
50°	1706.6	1690.2	1672.1	1636.0	1609.4	1580.6	1551.8	1515.1	1477.9	1425.9	1372.8
52.5°	1889.0	1892.4	1881.6	1864.7	1851.7	1821.8	1795.2	1760.2	1727.5	1680.0	1638.8
55°	2069.1	2098.5	2109.8	2126.2	2131.8	2107.5	2107.0	2055.6	2035.8	2008.1	1984.4
57.5°	2306.9	2371.8	2423.2	2522.6	2564.4	2606.7	2614.6	2578.5	2615.8	2567.8	2584.1
60°	2509.0	2628.2	2755.8	3012.8	3141.5	3238.7	3316.6	3374.2	3411.5	3474.7	3478.1
62.5°	2527.1	2714.6	2908.9	3283.8	3460.0	3607.4	3748.0	3846.3	3924.2	3995.9	4013.4
64°	2440.7	2672.8	2908.9	3362.3	3542.5	3706.2	3834.4	3932.1	4011.8	4056.4	4085.7
65°	2283.7	2543.5	2815.1	3310.4	3496.2	3670.1	3792.6	3890.9	3966.0	4010.6	4041.1
67.5°	1691.9	1943.2	2215.9	2792.5	3085.0	3244.3	3401.3	3539.1	3599.5	3656.0	3666.7
70°	1031.2	1213.6	1401.6	1936.4	2208.0	2494.4	2671.1	2872.7	3013.9	3100.9	3129.7
72.5°	622.3	685.6	797.9	1085.4	1345.7	1546.8	1791.3	1983.9	2142.0	2229.5	2273.6
75°	554.0	546.1	560.8	680.5	773.1	893.9	982.6	1103.5	1201.2	1231.6	1288.7
77.5°	640.4	617.8	594.6	572.1	567.5	556.2	538.2	542.7	499.8	458.6	459.7
80°	570.4	624.6	656.8	633.0	579.4	525.2	458.6	375.5	293.7	242.8	221.4
82.5°	286.3	407.2	523.5	638.7	630.8	582.8	509.4	418.5	324.1	249.0	198.8
85°	88.1	156.4	220.2	306.1	355.2	348.4	306.1	297.6	212.3	165.5	127.6
87.5°	4.0	4.0	4.0	3.4	4.0	4.0	4.0	4.5	4.5	5.1	5.1
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):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	66.1	65.5	64.9	64.4	64.4	64.4	63.8	63.8	63.2	63.2	62.7
5°	72.8	71.7	71.2	70.0	70.0	68.9	68.3	67.8	66.6	66.1	65.5
7.5°	81.9	80.8	79.1	77.4	76.8	75.1	73.4	72.3	71.2	70.0	68.9
10°	93.7	91.5	88.1	85.8	84.1	81.9	79.6	77.9	75.7	73.4	72.3
12.5°	109.0	104.5	101.1	97.1	93.7	90.4	86.4	84.1	81.9	78.5	76.2
15°	126.5	122.0	118.0	111.2	105.6	101.1	97.7	92.6	88.7	84.1	80.8
17.5°	156.4	144.6	136.7	129.9	124.2	115.8	109.0	103.3	98.3	92.6	88.7
20°	185.8	175.6	164.9	157.0	144.6	137.2	128.2	120.3	111.2	104.5	97.7
22.5°	228.7	215.7	202.2	190.3	173.4	163.2	151.3	141.2	129.9	118.6	111.2
25°	282.9	263.7	245.7	228.7	212.9	197.7	182.4	166.0	154.2	140.6	128.2
27.5°	340.0	318.5	301.0	279.0	258.6	240.0	220.8	203.3	183.0	165.5	150.8
30°	411.7	382.3	362.0	335.4	315.1	289.1	265.4	242.3	217.4	197.1	176.2
32.5°	484.5	464.8	430.3	407.7	377.2	346.2	321.3	294.8	264.3	237.7	212.3
35°	580.5	546.6	517.8	486.2	452.9	420.7	388.5	350.7	319.6	286.9	255.8
37.5°	665.2	630.8	597.5	556.2	518.4	484.5	445.6	406.0	369.3	330.4	293.1
40°	763.5	720.6	681.0	642.6	595.8	555.7	515.0	465.9	423.5	380.6	336.6
42.5°	870.8	827.3	780.4	736.4	685.0	635.9	585.6	536.5	489.0	437.1	385.7
45°	988.3	942.5	890.0	839.7	783.8	729.6	669.8	613.3	557.4	499.2	439.9
47.5°	1134.0	1075.2	1026.7	964.0	894.5	837.5	764.1	699.7	635.9	568.1	501.5
50°	1322.6	1255.9	1185.9	1116.4	1039.6	967.4	886.0	809.8	724.5	648.9	572.6
52.5°	1572.7	1523.0	1441.7	1362.1	1268.4	1176.3	1064.5	965.7	856.1	759.5	666.4
55°	1927.9	1895.2	1824.6	1737.6	1655.8	1521.3	1392.6	1239.0	1096.7	957.8	826.7
57.5°	2571.2	2535.6	2457.1	2436.2	2310.3	2211.4	2060.7	1861.9	1620.7	1408.4	1196.6
60°	3497.3	3427.8	3351.0	3336.9	3189.0	3085.0	2935.4	2723.6	2496.6	2157.8	1869.2
62.5°	4014.6	3993.7	3931.6	3855.3	3727.1	3573.0	3404.7	3199.7	2969.3	2672.2	2328.9
64°	4084.0	4064.8	4011.2	3925.3	3796.6	3643.6	3457.2	3252.8	3021.8	2750.7	2437.3
65°	4040.6	4013.4	3967.7	3888.6	3768.9	3622.1	3434.6	3227.4	2993.0	2732.1	2440.7
67.5°	3689.9	3677.4	3635.6	3562.2	3487.1	3355.0	3190.1	3004.9	2813.4	2554.8	2315.9
70°	3133.1	3124.0	3070.9	3041.6	2917.3	2833.8	2700.5	2554.8	2385.4	2205.2	2001.9
72.5°	2322.7	2292.2	2249.3	2204.7	2120.5	2005.9	1902.0	1746.7	1659.1	1507.2	1392.6
75°	1231.6	1212.4	1145.8	1052.6	948.7	895.1	787.2	690.6	613.8	579.4	496.4
77.5°	425.8	388.0	350.7	308.9	245.1	193.1	154.2	123.1	97.1	85.8	71.7
80°	212.3	201.6	189.7	166.0	139.5	112.4	88.1	69.5	57.0	48.6	43.5
82.5°	172.2	152.5	136.1	119.2	95.4	78.5	62.1	50.8	41.8	36.7	32.2
85°	101.6	77.9	59.3	53.6	41.8	36.1	31.1	26.5	22.6	21.5	19.8
87.5°	4.0	5.1	5.1	4.0	5.1	4.5	4.5	4.0	4.0	4.0	4.0
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):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	62.7	62.1	62.1	61.6	61.0	61.0	61.0	60.4	59.3	57.0	55.3
5°	64.9	64.4	63.8	62.7	62.1	61.6	61.0	61.0	58.2	54.2	51.4
7.5°	67.8	66.6	65.5	64.4	63.8	62.7	61.6	61.0	57.0	52.0	49.1
10°	70.6	68.9	67.2	66.6	64.9	63.8	62.1	61.0	56.5	50.3	46.3
12.5°	74.0	71.7	69.5	67.8	65.5	64.4	62.7	61.0	55.3	48.6	44.0
15°	77.9	74.5	71.7	70.0	67.8	64.9	62.7	61.0	54.2	46.9	41.8
17.5°	83.0	79.1	75.7	72.3	68.9	66.1	63.8	61.6	52.5	44.6	39.0
20°	90.9	85.8	80.2	76.2	71.7	68.3	64.4	61.6	51.4	42.4	36.7
22.5°	101.6	93.7	87.5	80.8	75.1	70.6	66.1	62.7	49.7	40.1	33.9
25°	116.9	106.7	96.6	88.1	80.8	74.5	68.9	64.4	48.6	38.4	32.2
27.5°	133.8	122.0	108.4	98.3	88.1	79.1	72.8	67.2	48.6	37.3	30.5
30°	157.6	140.6	124.2	111.2	97.7	87.5	78.5	71.2	48.6	36.7	28.8
32.5°	186.4	167.2	146.3	127.6	111.8	97.1	85.8	76.2	49.7	35.6	27.7
35°	226.5	198.2	173.4	150.2	129.3	112.4	97.7	84.7	51.4	35.0	26.0
37.5°	258.1	224.2	192.6	166.0	141.7	120.8	102.2	88.1	49.7	32.8	24.3
40°	295.9	257.5	219.1	185.8	158.1	131.0	109.6	92.6	48.6	29.9	22.0
42.5°	341.7	293.7	249.0	211.2	176.8	144.6	119.2	98.3	48.6	28.2	20.3
45°	384.6	332.1	282.4	234.9	194.8	159.3	128.2	104.5	48.0	26.5	18.1
47.5°	437.7	375.5	317.4	262.6	216.3	172.8	137.8	110.1	47.4	24.8	16.4
50°	500.3	424.7	359.2	293.7	237.2	189.2	149.1	116.3	46.3	23.2	14.7
52.5°	569.8	488.5	404.9	329.2	263.2	206.7	159.8	122.0	44.6	21.5	13.0
55°	692.9	581.1	482.3	388.5	302.7	232.7	175.6	130.4	42.9	19.8	11.3
57.5°	988.3	803.0	663.0	521.8	398.7	298.7	218.5	154.7	40.7	17.5	9.0
60°	1551.8	1246.3	1008.6	791.2	603.1	458.6	321.9	228.7	43.5	14.7	7.9
62.5°	1990.6	1639.4	1336.7	1063.9	826.2	628.0	468.7	341.7	62.7	13.0	6.2
64°	2105.3	1749.5	1426.5	1140.7	893.4	689.0	522.9	386.3	80.8	13.0	5.6
65°	2122.2	1783.4	1458.7	1169.0	916.5	705.3	538.7	400.9	88.1	13.6	5.1
67.5°	2052.2	1763.6	1468.3	1180.8	934.0	727.9	560.2	424.1	99.4	13.0	4.0
70°	1792.4	1580.1	1337.3	1104.6	881.0	691.8	538.7	411.1	103.9	12.4	3.4
72.5°	1219.8	1073.5	930.1	765.2	613.3	505.4	393.0	289.7	72.8	10.2	2.8
75°	406.6	396.4	354.6	268.8	225.9	183.5	146.8	112.9	27.7	6.2	2.8
77.5°	67.8	58.2	50.8	48.6	40.7	39.5	34.4	27.7	11.9	4.0	2.8
80°	39.5	36.1	31.6	28.2	24.8	22.0	18.6	15.8	7.3	2.8	3.4
82.5°	29.4	26.0	23.2	20.3	17.5	15.2	13.0	10.7	4.0	2.8	3.4
85°	16.9	14.7	13.0	11.3	9.0	7.9	6.8	5.6	2.8	2.8	2.8
87.5°	3.4	3.4	2.8	2.8	2.8	2.8	2.8	2.3	2.8	2.8	2.3
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-F02-LED-E-U-T2-HSS-7060

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	60.4	60.4	60.4	60.4	60.4	60.4	60.4
2.5°	54.2	52.5	52.0	52.0	52.0	52.0	52.0
5°	49.7	48.0	46.9	46.3	46.3	46.3	46.3
7.5°	46.3	44.0	42.9	41.8	41.8	41.2	41.2
10°	42.9	40.7	39.0	37.8	37.3	37.3	37.3
12.5°	40.1	37.8	35.6	34.4	34.4	33.9	33.9
15°	37.8	34.4	32.8	31.6	31.6	31.1	31.1
17.5°	35.0	32.2	30.5	29.4	28.8	28.8	28.8
20°	32.2	29.4	27.7	27.1	26.5	26.5	26.0
22.5°	29.9	27.1	25.4	24.8	24.3	24.3	23.7
25°	27.7	24.8	23.2	22.6	22.0	21.5	21.5
27.5°	26.0	23.2	21.5	20.3	19.8	19.2	19.2
30°	24.3	20.9	19.2	18.1	17.5	16.9	16.9
32.5°	22.6	19.2	16.9	15.8	15.2	14.7	14.7
35°	20.3	16.9	14.7	14.1	13.6	13.0	12.4
37.5°	18.6	14.7	13.0	11.9	11.3	10.7	10.7
40°	16.4	13.0	11.3	10.2	9.0	8.5	8.5
42.5°	14.7	11.3	9.6	7.9	7.3	6.8	6.8
45°	13.0	10.2	7.9	6.2	5.6	5.1	5.1
47.5°	11.3	8.5	6.2	5.1	4.5	4.0	4.0
50°	9.6	6.8	4.5	3.4	4.0	3.4	3.4
52.5°	8.5	5.1	3.4	3.4	3.4	3.4	3.4
55°	6.8	4.0	2.8	2.8	3.4	3.4	3.4
57.5°	5.6	2.8	2.3	2.8	2.8	2.8	2.8
60°	4.0	2.3	2.3	2.8	2.8	2.8	2.8
62.5°	3.4	2.3	2.3	2.3	2.8	2.8	2.8
64°	2.8	2.3	2.3	2.3	2.8	2.8	2.8
65°	2.8	2.3	2.3	2.3	2.8	2.8	2.8
67.5°	2.8	2.3	2.3	2.3	2.8	2.8	2.8
70°	2.3	2.3	2.3	2.3	2.8	2.8	2.8
72.5°	2.3	2.3	2.3	2.3	2.8	2.8	2.8
75°	2.3	2.3	2.3	2.3	2.8	2.8	2.8
77.5°	2.3	2.3	2.3	2.8	2.8	2.8	2.8
80°	2.3	2.3	2.3	2.8	2.8	2.8	2.8
82.5°	2.3	2.3	2.3	2.8	2.8	2.8	2.8
85°	2.3	2.3	2.3	2.8	2.8	2.8	2.8
87.5°	2.3	2.3	2.3	2.8	2.8	2.8	2.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)