

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: P155256

Luminaire Tested: **AVM-F03-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155256  
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-7050  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (21) 5000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4143 lumens  
Efficiency: N/A  
Efficacy: 52.9 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 - G2

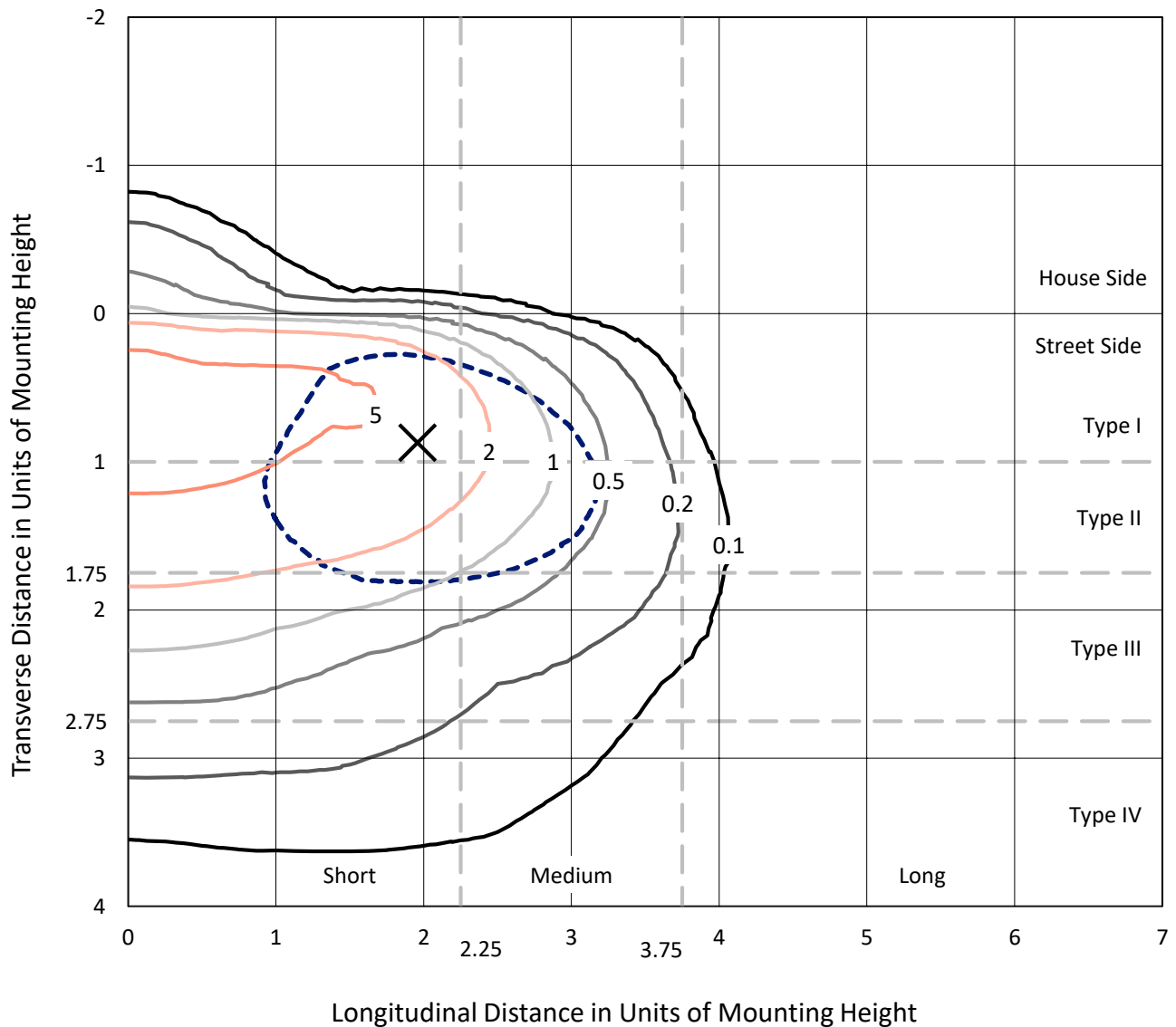
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P155256  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

### Iso-Footcandle Lines of Horizontal Illumination

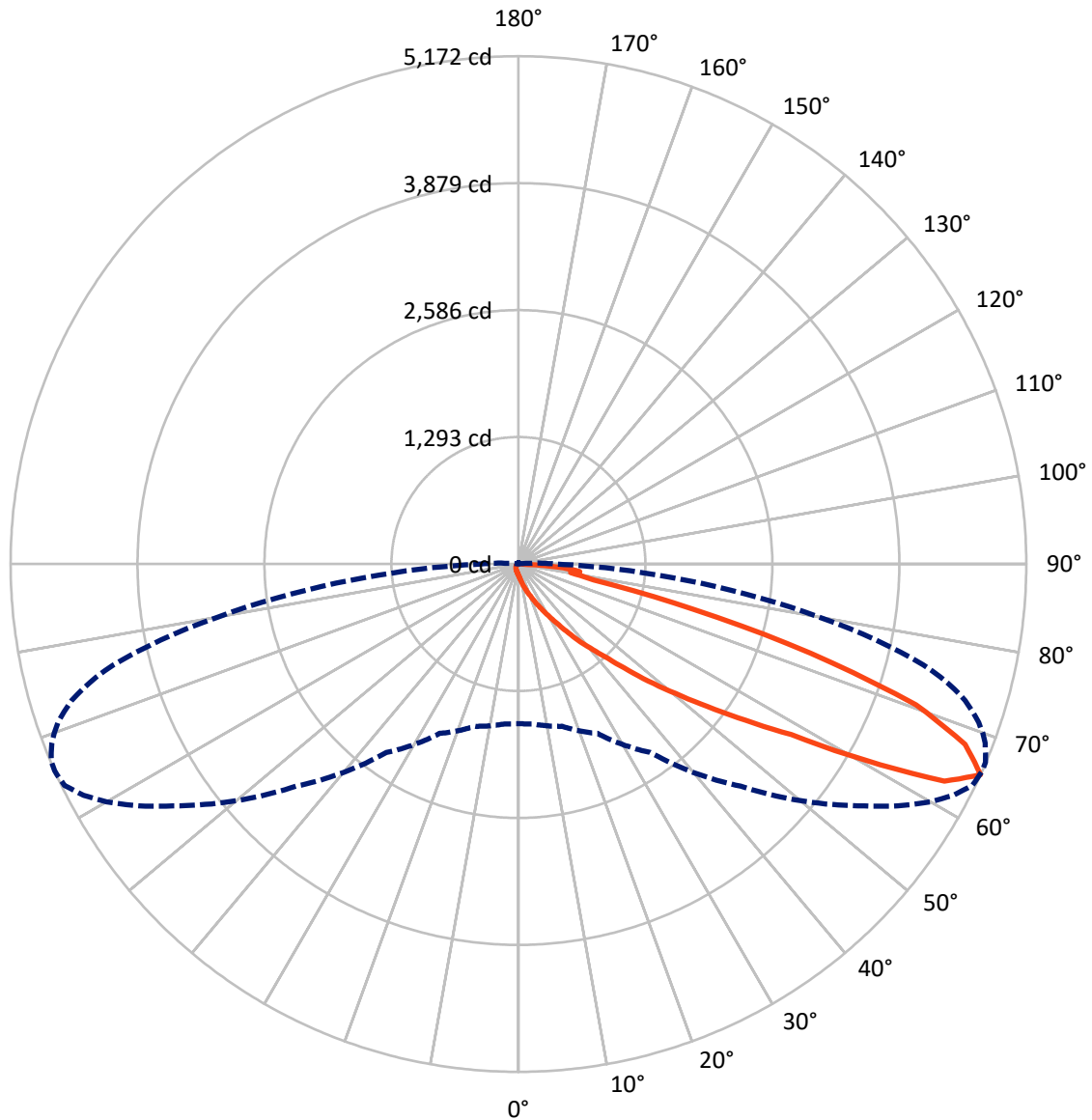
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P155256  
CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P155256

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	83.2	0.0	83.2
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	4059.8	0.0	4059.8
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	4143.0	0.0	4143.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	14.1	0.3
10°-20°	67.4	1.6
20°-30°	153.9	3.7
30°-40°	292.8	7.1
40°-50°	587.6	14.2
50°-60°	1039.8	25.1
60°-70°	1358.5	32.8
70°-80°	558.6	13.5
80°-90°	70.4	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°	4143.0	100.0
0°-180°	4143.0	100.0



REPORT NUMBER: P155256

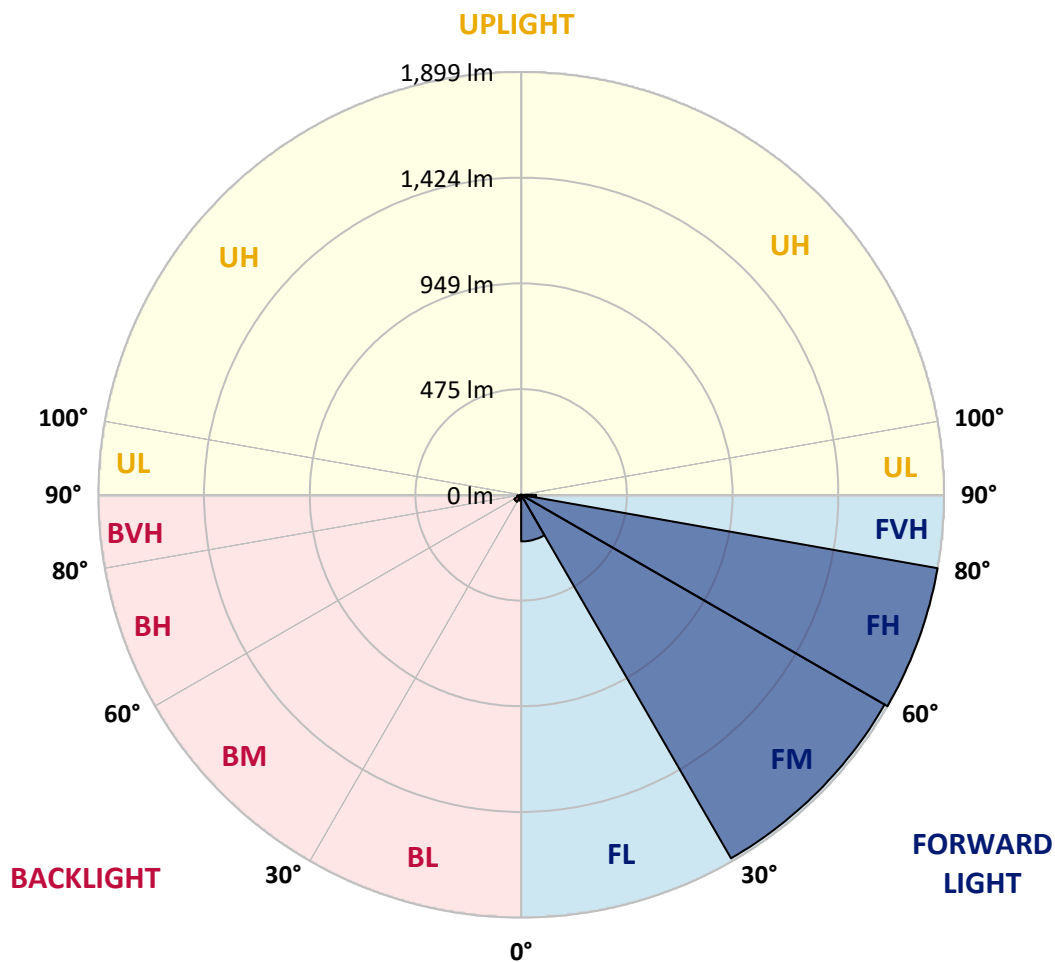
CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	209.3	5.1			
FM	(30°-60°)	1884.6	45.5			
FH	(60°-80°)	1898.7	45.8			G2/5000
FVH	(80°-90°)	67.2	1.6			G1/100
BL	(0°-30°)	26.0	0.6	B0/110		
BM	(30°-60°)	35.6	0.9	B0/220		
BH	(60°-80°)	18.4	0.4	B0/110		G0/110
BVH	(80°-90°)	3.1	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 III Short





REPORT NUMBER: P155256  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	152.5	149.9	150.8	145.7	142.3	138.1	134.7	133.8	133.0	131.3	132.1
5°	219.4	216.9	210.9	200.8	191.4	177.0	162.6	161.8	159.3	156.7	155.0
7.5°	304.9	300.7	293.9	277.0	254.1	228.7	199.9	197.4	194.0	190.6	187.2
10°	404.1	401.5	388.8	369.3	334.6	293.1	244.8	242.3	234.6	230.4	227.0
12.5°	508.2	497.2	492.2	458.3	418.5	361.7	299.9	290.5	284.6	278.7	270.2
15°	587.0	588.7	576.9	549.8	503.2	437.1	360.0	349.8	341.4	330.4	320.2
17.5°	658.2	654.8	642.1	625.1	581.1	514.2	424.4	410.8	397.3	391.3	376.9
20°	715.8	714.1	703.9	687.8	653.9	589.6	492.2	481.1	465.9	455.7	439.6
22.5°	761.5	761.5	755.6	746.3	713.2	661.6	564.2	552.3	537.0	524.3	506.6
25°	797.9	797.1	797.9	793.7	771.7	724.2	637.8	624.3	611.6	596.3	579.4
27.5°	839.5	841.1	839.5	836.9	827.6	789.5	712.4	703.1	688.7	672.6	655.6
30°	903.8	898.7	897.9	896.2	885.2	861.5	789.5	778.5	767.5	756.4	744.6
32.5°	971.6	963.1	960.6	960.6	953.0	931.8	878.4	872.5	856.4	847.9	837.8
35°	1048.7	1045.3	1041.9	1042.8	1039.4	1017.3	973.3	975.0	969.9	953.0	942.8
37.5°	1161.3	1162.2	1156.3	1145.2	1145.2	1125.8	1100.4	1097.0	1084.3	1080.0	1074.1
40°	1322.3	1318.0	1313.0	1296.9	1290.9	1257.9	1234.2	1225.7	1215.6	1214.7	1207.9
42.5°	1508.6	1503.6	1503.6	1491.7	1479.8	1440.0	1395.1	1389.2	1378.2	1381.6	1379.0
45°	1681.4	1685.7	1691.6	1700.1	1701.8	1684.8	1619.6	1612.0	1606.1	1602.7	1600.1
47.5°	1830.5	1838.2	1857.6	1894.1	1940.7	1946.6	1894.9	1874.6	1870.3	1864.4	1859.3
50°	1937.3	1948.3	1992.3	2063.5	2154.1	2210.0	2182.1	2165.1	2164.3	2148.2	2146.5
52.5°	1998.3	2010.1	2082.1	2189.7	2330.3	2439.6	2474.3	2473.5	2471.8	2457.4	2451.4
55°	2011.8	2024.5	2110.9	2257.5	2458.2	2647.1	2780.1	2783.5	2791.1	2786.9	2786.9
57.5°	1974.5	1990.6	2084.7	2265.9	2525.1	2811.4	3102.0	3121.5	3130.8	3163.8	3201.9
60°	1905.9	1917.8	2011.8	2214.3	2537.0	2961.4	3520.4	3582.3	3630.6	3695.8	3757.6
62.5°	1778.9	1802.6	1892.4	2112.6	2501.4	3134.2	4020.2	4134.6	4228.6	4327.7	4447.1
65°	1624.7	1634.9	1711.1	1903.4	2342.2	3200.3	4296.4	4408.2	4528.5	4634.4	4741.1
67.5°	1431.6	1440.0	1506.1	1588.3	1933.0	2891.1	4024.5	4148.1	4256.6	4343.8	4483.6
70°	937.7	956.3	1118.1	1199.5	1351.1	2137.2	3290.9	3410.3	3493.3	3552.6	3714.4
72.5°	687.0	698.8	764.1	931.8	969.1	1263.0	2315.9	2445.5	2476.0	2587.8	2663.2
75°	419.3	449.0	596.3	797.9	944.5	864.9	1387.5	1450.2	1520.5	1601.8	1673.8
77.5°	84.7	96.6	194.8	549.8	831.0	924.2	828.4	840.3	875.0	882.7	909.8
80°	13.6	14.4	25.4	237.2	481.1	747.1	828.4	817.4	797.9	784.4	770.8
82.5°	5.9	6.8	11.0	60.1	102.5	249.0	716.6	772.5	836.9	872.5	881.8
85°	2.5	2.5	4.2	11.9	15.2	16.9	121.1	160.1	285.5	379.5	437.1
87.5°	1.7	1.7	2.5	2.5	3.4	4.2	5.9	5.9	6.8	7.6	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155256

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	132.1	131.3	131.3	128.8	128.8	127.9	127.9	127.1	127.1	125.4	126.2
5°	154.2	152.5	150.8	148.2	147.4	145.7	144.0	141.5	140.6	138.9	138.1
7.5°	183.8	182.1	178.7	173.7	170.3	166.9	163.5	160.1	157.6	155.0	153.3
10°	220.2	215.2	213.5	203.3	199.1	192.3	188.1	184.7	179.6	175.3	172.8
12.5°	264.3	260.1	251.6	238.0	231.3	225.3	217.7	210.9	205.8	198.2	193.1
15°	310.0	306.6	294.8	279.5	271.1	260.1	252.4	245.7	234.6	229.6	220.2
17.5°	367.6	357.5	345.6	323.6	312.6	303.3	289.7	279.5	272.8	257.5	249.0
20°	426.9	415.9	400.7	376.1	360.9	346.5	335.4	321.9	307.5	297.3	282.9
22.5°	494.7	476.9	465.0	434.5	416.8	401.5	382.9	368.5	354.1	338.0	321.9
25°	566.7	548.9	534.5	499.8	481.1	465.9	443.9	423.5	405.7	388.0	369.3
27.5°	642.1	626.0	609.9	574.3	558.2	537.0	516.7	493.0	470.1	454.0	428.6
30°	729.3	715.8	698.0	659.9	642.1	620.1	598.9	570.9	548.9	526.9	502.3
32.5°	823.4	812.3	793.7	759.8	738.6	720.0	697.1	670.0	638.7	615.8	587.0
35°	937.7	919.1	908.1	875.9	859.8	839.5	815.7	792.0	759.0	726.8	702.2
37.5°	1068.2	1059.7	1045.3	1014.8	1002.9	981.8	966.5	942.8	917.4	876.7	850.5
40°	1202.0	1196.1	1183.4	1152.9	1141.0	1126.6	1108.8	1086.0	1055.5	1034.3	995.3
42.5°	1372.3	1362.9	1352.8	1324.0	1301.1	1283.3	1275.7	1256.2	1224.0	1196.9	1166.4
45°	1588.3	1584.0	1570.5	1541.7	1518.8	1506.9	1495.1	1462.1	1440.9	1413.8	1392.6
47.5°	1849.2	1835.6	1828.8	1796.6	1789.0	1779.7	1749.2	1730.6	1700.1	1678.9	1652.6
50°	2131.2	2116.8	2117.7	2078.7	2080.4	2073.6	2050.8	2028.7	2002.5	1983.9	1967.8
52.5°	2434.5	2441.3	2424.3	2436.2	2422.6	2407.4	2403.2	2376.0	2353.2	2352.3	2330.3
55°	2807.2	2796.2	2800.4	2812.3	2793.7	2810.6	2802.1	2767.4	2768.2	2775.0	2749.6
57.5°	3207.9	3224.0	3258.7	3266.3	3298.5	3276.5	3334.1	3292.6	3318.0	3318.0	3301.1
60°	3795.7	3860.1	3944.0	4009.2	4069.4	4049.9	4125.3	4077.8	4111.7	4082.9	4068.5
62.5°	4503.9	4589.5	4688.6	4794.4	4855.4	4870.7	4859.7	4880.8	4847.8	4826.6	4771.6
65°	4844.4	4929.1	5015.5	5142.6	5159.5	5172.2	5167.2	5131.6	5090.9	5030.8	4958.8
67.5°	4561.5	4680.1	4728.4	4874.9	4924.1	4906.3	4912.2	4866.4	4802.9	4743.6	4637.7
70°	3782.2	3917.7	3943.1	4153.2	4211.7	4296.4	4265.9	4252.3	4182.9	4132.9	4016.0
72.5°	2753.8	2859.7	2851.3	3087.6	3077.4	3112.2	3194.3	3190.9	3118.1	3102.0	3003.7
75°	1695.0	1758.5	1755.1	1922.9	1852.6	1842.4	1865.3	1855.1	1786.5	1715.3	1654.3
77.5°	897.9	926.7	896.2	846.2	841.1	784.4	768.3	767.5	714.9	650.6	603.1
80°	756.4	726.8	691.2	618.4	576.0	537.9	502.3	469.3	433.7	386.3	328.7
82.5°	883.5	869.1	843.7	752.2	708.2	631.9	575.2	521.8	456.6	407.4	333.7
85°	430.3	429.5	449.8	440.5	424.4	421.0	365.1	353.2	327.0	299.9	250.7
87.5°	11.9	8.5	10.2	8.5	10.2	11.0	7.6	17.8	11.0	10.2	11.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0





REPORT NUMBER: P155256  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	125.4	124.5	123.7	123.7	122.8	122.8	122.0	121.1	121.1	120.3	120.3
5°	136.4	134.7	133.8	133.0	131.3	130.4	128.8	127.9	126.2	125.4	123.7
7.5°	149.9	148.2	144.8	143.2	140.6	139.8	135.5	133.8	132.1	130.4	127.9
10°	166.9	162.6	159.3	155.9	151.6	148.2	144.8	142.3	138.9	134.7	133.0
12.5°	188.1	182.1	177.0	171.1	166.0	160.9	155.0	150.8	145.7	141.5	137.2
15°	211.8	203.3	196.5	188.1	179.6	173.7	167.7	161.8	155.0	149.1	144.0
17.5°	238.9	227.9	218.5	208.4	199.1	190.6	180.4	172.8	165.2	156.7	149.9
20°	267.7	256.7	244.0	232.9	219.4	210.1	197.4	187.2	176.2	167.7	158.4
22.5°	305.8	291.4	275.3	260.1	245.7	231.3	217.7	205.0	191.4	178.7	169.4
25°	350.7	332.9	312.6	297.3	277.0	260.9	244.0	227.9	213.5	197.4	182.1
27.5°	406.6	382.9	360.9	339.7	317.7	297.3	275.3	256.7	237.2	218.5	201.6
30°	471.8	449.0	415.9	392.2	370.2	342.2	320.2	295.6	273.6	246.5	227.9
32.5°	558.2	528.6	493.8	462.5	433.7	402.4	371.9	340.5	311.7	287.2	259.2
35°	670.9	636.2	594.6	554.8	522.6	484.5	445.6	410.0	376.9	341.4	306.6
37.5°	813.2	781.0	736.1	687.8	644.6	598.9	558.2	508.2	464.2	421.0	376.9
40°	954.7	925.0	878.4	826.7	770.8	718.3	666.6	609.9	554.0	499.8	454.0
42.5°	1129.2	1085.1	1035.1	976.7	922.5	859.8	795.4	730.2	663.3	598.0	532.8
45°	1348.5	1314.7	1244.4	1181.7	1117.3	1043.6	964.0	889.4	803.9	726.8	640.4
47.5°	1615.4	1554.4	1502.7	1445.1	1364.6	1293.5	1191.8	1103.7	997.0	894.5	791.2
50°	1930.5	1896.6	1828.0	1756.0	1668.7	1584.0	1484.9	1357.9	1230.0	1120.7	979.2
52.5°	2299.0	2250.7	2207.5	2132.9	2044.0	1935.6	1822.9	1684.8	1528.1	1374.0	1223.2
55°	2736.1	2702.2	2660.7	2601.4	2487.9	2365.0	2229.5	2064.3	1878.8	1671.3	1495.9
57.5°	3300.2	3264.6	3224.8	3102.8	3025.8	2875.0	2678.5	2507.3	2307.4	2041.5	1823.8
60°	4070.2	4021.9	3966.0	3866.9	3706.0	3510.3	3299.4	3046.1	2801.3	2510.7	2225.3
62.5°	4728.4	4651.3	4531.9	4403.9	4210.8	3986.3	3721.2	3423.0	3144.3	2817.4	2499.7
65°	4863.9	4758.0	4617.4	4450.5	4251.5	3998.2	3721.2	3435.7	3107.9	2800.4	2481.1
67.5°	4511.5	4388.7	4244.7	4058.3	3868.6	3607.7	3368.8	3078.3	2769.9	2504.0	2218.5
70°	3932.1	3750.0	3602.6	3404.4	3212.1	3007.1	2755.5	2537.8	2287.1	2042.3	1823.8
72.5°	2952.9	2773.3	2639.5	2481.1	2366.7	2149.9	1965.2	1802.6	1654.3	1471.4	1309.6
75°	1591.7	1457.0	1367.2	1295.2	1192.7	1049.5	961.4	849.6	786.9	710.7	637.0
77.5°	519.3	457.4	390.5	325.3	279.5	210.1	203.3	161.8	152.5	148.2	114.4
80°	266.0	205.0	148.2	106.7	81.3	72.0	68.6	65.2	61.8	59.3	55.1
82.5°	266.8	193.1	133.0	92.3	66.9	55.9	52.5	50.8	48.3	45.7	42.4
85°	194.8	144.0	99.1	67.8	46.6	37.3	35.6	33.0	31.3	30.5	27.1
87.5°	12.7	9.3	8.5	7.6	7.6	7.6	8.5	7.6	8.5	8.5	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155256  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	119.4	118.6	118.6	117.7	116.9	116.9	116.0	116.0	113.5	109.3	105.9
5°	122.8	121.1	120.3	119.4	118.6	116.9	116.0	115.2	111.0	102.5	95.7
7.5°	125.4	123.7	122.8	121.1	118.6	117.7	116.0	114.4	107.6	95.7	88.1
10°	129.6	127.1	124.5	122.0	119.4	117.7	115.2	113.5	103.3	89.8	82.2
12.5°	133.8	130.4	127.1	122.8	120.3	117.7	115.2	111.8	100.0	84.7	76.2
15°	138.9	133.8	129.6	125.4	121.1	117.7	113.5	111.0	96.6	80.5	72.8
17.5°	144.0	138.1	132.1	126.2	122.0	116.9	113.5	109.3	93.2	77.1	68.6
20°	149.9	141.5	135.5	128.8	122.8	116.9	111.8	107.6	89.8	72.8	64.4
22.5°	158.4	148.2	138.9	131.3	123.7	117.7	111.8	105.9	86.4	69.5	61.0
25°	169.4	156.7	145.7	136.4	127.1	119.4	112.7	106.7	83.9	66.9	56.8
27.5°	185.5	169.4	157.6	144.8	133.0	123.7	115.2	108.4	82.2	64.4	54.2
30°	205.0	188.9	170.3	155.0	142.3	129.6	120.3	110.1	80.5	61.8	50.8
32.5°	233.8	210.9	188.9	170.3	152.5	138.1	124.5	114.4	79.6	57.6	47.4
35°	275.3	244.0	217.7	193.1	168.6	150.8	134.7	121.1	78.8	54.2	44.0
37.5°	334.6	297.3	263.4	228.7	198.2	172.8	150.8	133.0	78.8	51.7	40.7
40°	398.1	349.8	306.6	263.4	224.5	192.3	162.6	140.6	77.1	48.3	37.3
42.5°	470.1	410.8	351.5	298.2	249.9	208.4	173.7	146.5	72.8	44.9	33.9
45°	566.7	488.8	417.6	349.0	286.3	232.1	188.1	153.3	68.6	42.4	30.5
47.5°	687.8	597.2	504.9	418.5	336.3	267.7	209.2	164.3	66.1	39.0	28.0
50°	868.3	739.5	617.5	507.4	403.2	313.4	240.6	180.4	63.5	36.4	25.4
52.5°	1066.5	908.1	764.9	623.4	493.8	375.3	277.0	201.6	61.0	33.9	22.9
55°	1307.9	1113.1	938.6	754.7	588.7	447.3	321.9	225.3	57.6	31.3	21.2
57.5°	1606.1	1359.6	1152.9	928.4	720.0	540.4	382.0	265.1	54.2	28.0	18.6
60°	1939.0	1660.3	1400.2	1136.8	884.3	664.1	471.0	321.9	50.8	24.6	16.1
62.5°	2178.7	1872.9	1575.6	1279.9	1002.9	756.4	543.0	365.9	45.7	21.2	14.4
65°	2176.1	1866.1	1567.1	1275.7	1006.3	759.8	545.5	374.4	40.7	18.6	12.7
67.5°	1939.0	1678.1	1411.2	1149.5	914.0	691.2	504.9	347.3	34.7	16.9	11.0
70°	1595.0	1387.5	1176.6	969.1	780.2	592.1	436.2	302.4	29.6	15.2	9.3
72.5°	1164.7	1013.1	884.3	737.8	609.0	467.6	348.1	237.2	23.7	12.7	8.5
75°	578.6	517.6	443.9	398.1	339.7	277.8	216.0	138.1	19.5	10.2	7.6
77.5°	110.1	98.3	94.0	81.3	74.5	66.1	58.4	41.5	15.2	7.6	6.8
80°	50.8	46.6	42.4	38.1	33.9	28.8	25.4	22.0	11.9	5.9	7.6
82.5°	39.8	36.4	32.2	28.8	25.4	22.0	18.6	16.1	7.6	5.1	7.6
85°	26.3	22.9	20.3	17.8	15.2	13.6	11.9	10.2	5.1	5.1	5.1
87.5°	7.6	7.6	6.8	6.8	5.9	5.9	5.1	5.1	4.2	4.2	4.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P155256

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7050

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	115.2	115.2	115.2	115.2	115.2	115.2	115.2
2.5°	102.5	98.3	96.6	95.7	95.7	96.6	95.7
5°	90.6	86.4	84.7	83.0	83.0	83.0	83.9
7.5°	83.0	78.8	76.2	75.4	74.5	75.4	75.4
10°	76.2	72.8	69.5	67.8	67.8	67.8	67.8
12.5°	71.2	66.9	63.5	62.7	61.8	61.8	61.8
15°	66.9	61.8	59.3	57.6	56.8	56.8	57.6
17.5°	61.8	57.6	54.2	53.4	53.4	53.4	53.4
20°	58.4	53.4	50.8	49.1	49.1	49.1	49.1
22.5°	54.2	50.0	46.6	44.9	44.9	44.9	44.9
25°	50.8	46.6	43.2	41.5	41.5	41.5	41.5
27.5°	47.4	43.2	39.8	38.1	38.1	38.1	38.1
30°	44.0	39.8	36.4	34.7	34.7	34.7	34.7
32.5°	41.5	36.4	33.0	31.3	31.3	32.2	31.3
35°	37.3	33.0	29.6	28.0	28.0	28.0	28.0
37.5°	33.9	29.6	26.3	24.6	24.6	24.6	23.7
40°	31.3	26.3	22.9	21.2	20.3	20.3	20.3
42.5°	27.1	22.0	19.5	17.8	16.9	16.9	16.9
45°	24.6	19.5	16.1	14.4	14.4	14.4	14.4
47.5°	22.0	16.9	13.6	11.9	11.9	12.7	12.7
50°	19.5	14.4	11.0	11.0	11.0	11.9	11.9
52.5°	16.9	12.7	10.2	10.2	11.0	11.9	11.9
55°	15.2	11.0	9.3	10.2	11.0	11.9	11.9
57.5°	13.6	9.3	9.3	10.2	11.0	11.9	11.9
60°	11.9	8.5	8.5	9.3	11.0	11.9	11.9
62.5°	10.2	8.5	8.5	9.3	11.0	11.9	11.9
65°	9.3	8.5	8.5	9.3	11.0	11.9	11.9
67.5°	8.5	7.6	8.5	9.3	10.2	11.0	11.0
70°	7.6	7.6	8.5	9.3	10.2	11.0	11.0
72.5°	7.6	7.6	7.6	8.5	9.3	10.2	10.2
75°	7.6	7.6	7.6	8.5	9.3	10.2	10.2
77.5°	7.6	6.8	6.8	7.6	9.3	10.2	10.2
80°	7.6	6.8	6.8	7.6	8.5	10.2	10.2
82.5°	5.9	5.9	6.8	7.6	8.5	9.3	9.3
85°	5.1	5.9	5.9	6.8	7.6	9.3	9.3
87.5°	4.2	4.2	5.1	5.9	6.8	7.6	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)