

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: P155263

Luminaire Tested: **AVM-F04-LED-E-U-T3-HSS-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155263  
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-F04-LED-E-U-T3-HSS-8030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (28) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4543.6 lumens  
Efficiency: N/A  
Efficacy: 44.5 lumens/watt  
Luminous Opening: Rectangular (W 0.67' x L: 1' x H: 0')  
IES Classification: Type III - Short - Non-Cutoff  
BUG Rating: B0 - U0 - G2

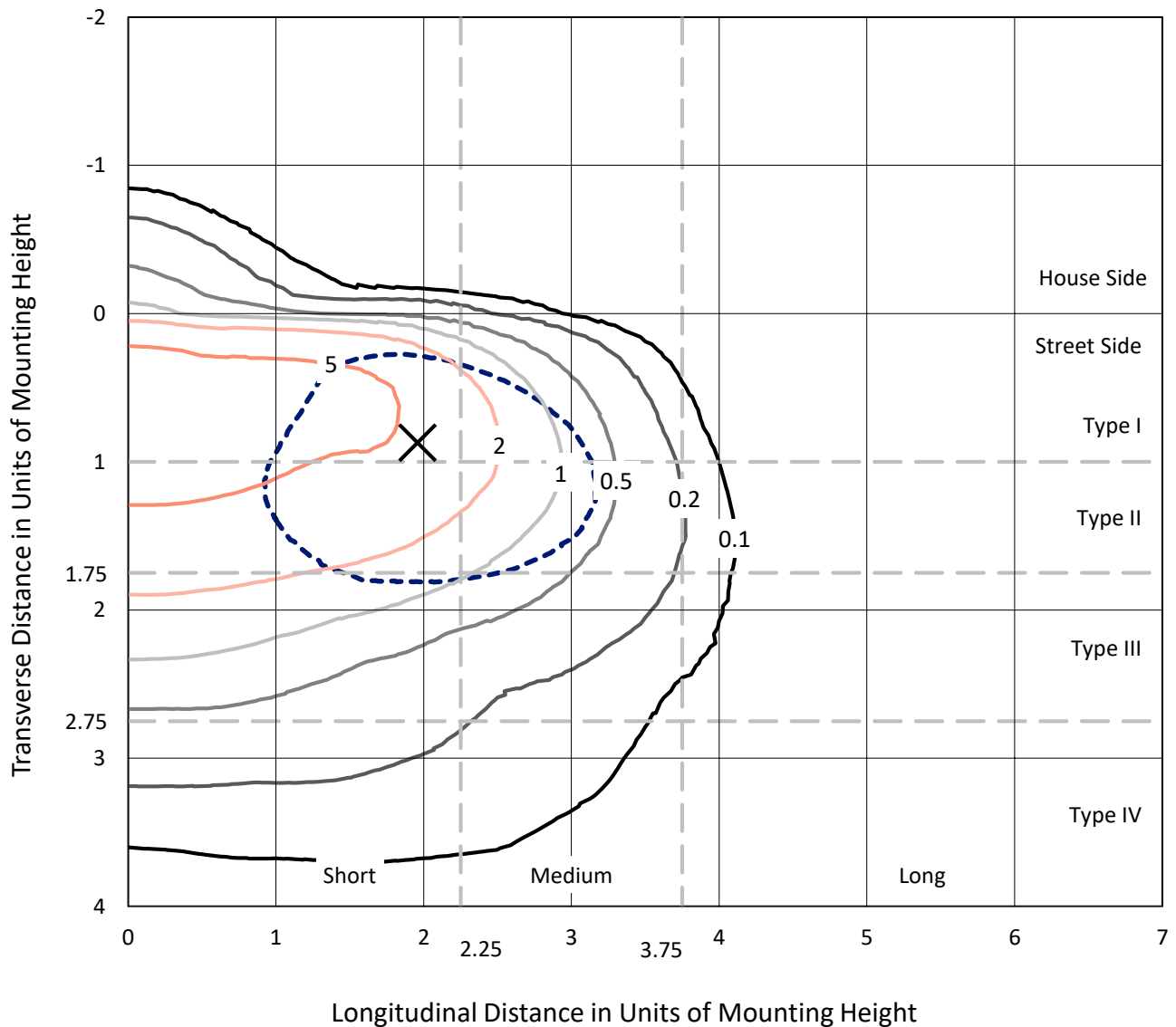
Input Watts (W): 102.2  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P155263  
 CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

### Iso-Footcandle Lines of Horizontal Illumination

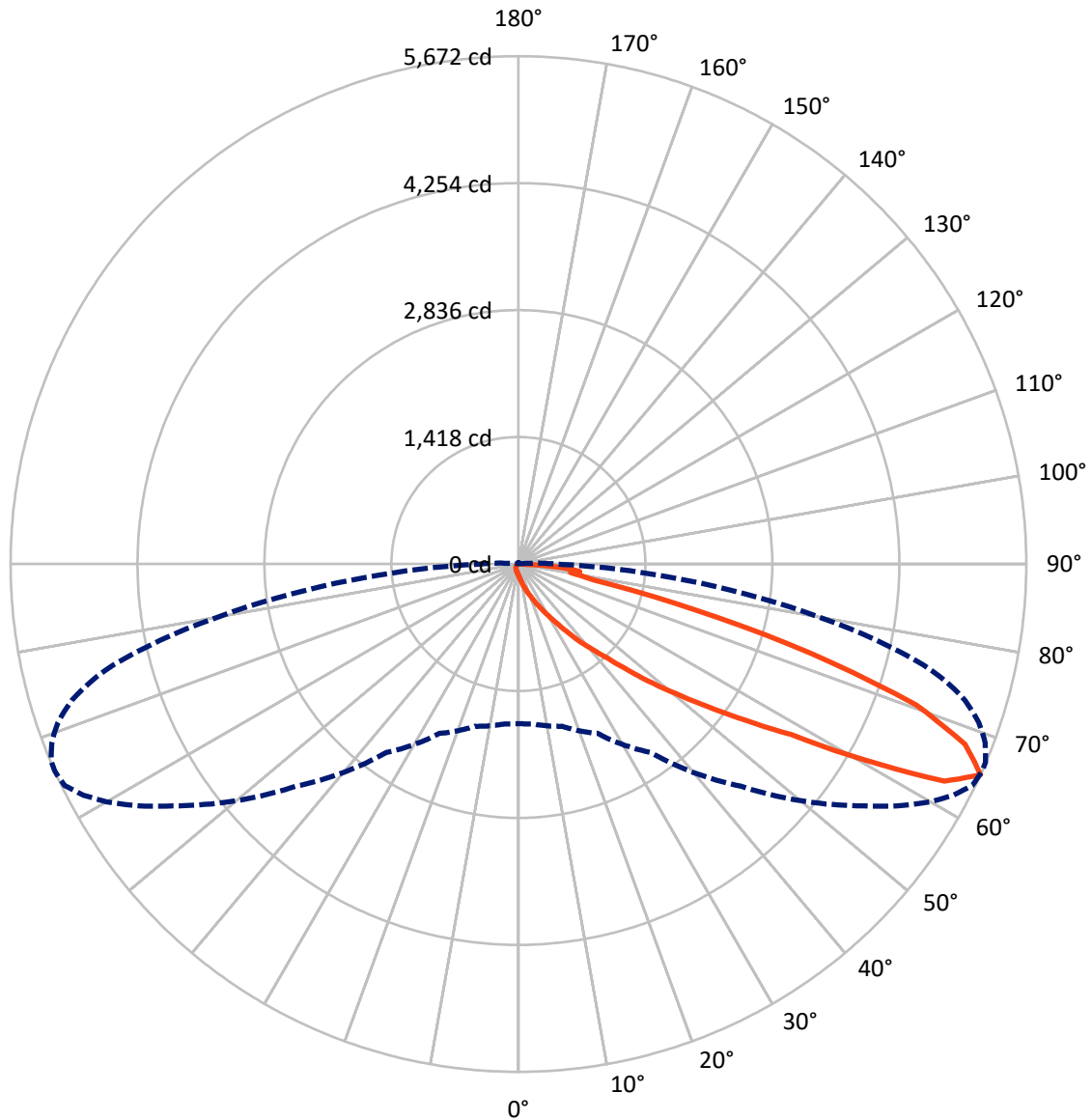
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.6 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P155263  
CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P155263

CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	91.2	0.0	91.2
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	4452.4	0.0	4452.4
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	4543.6	0.0	4543.6
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	15.5	0.3
10°-20°	73.9	1.6
20°-30°	168.8	3.7
30°-40°	321.1	7.1
40°-50°	644.5	14.2
50°-60°	1140.3	25.1
60°-70°	1489.9	32.8
70°-80°	612.6	13.5
80°-90°	77.2	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°	4543.6	100.0
0°-180°	4543.6	100.0



REPORT NUMBER: P155263

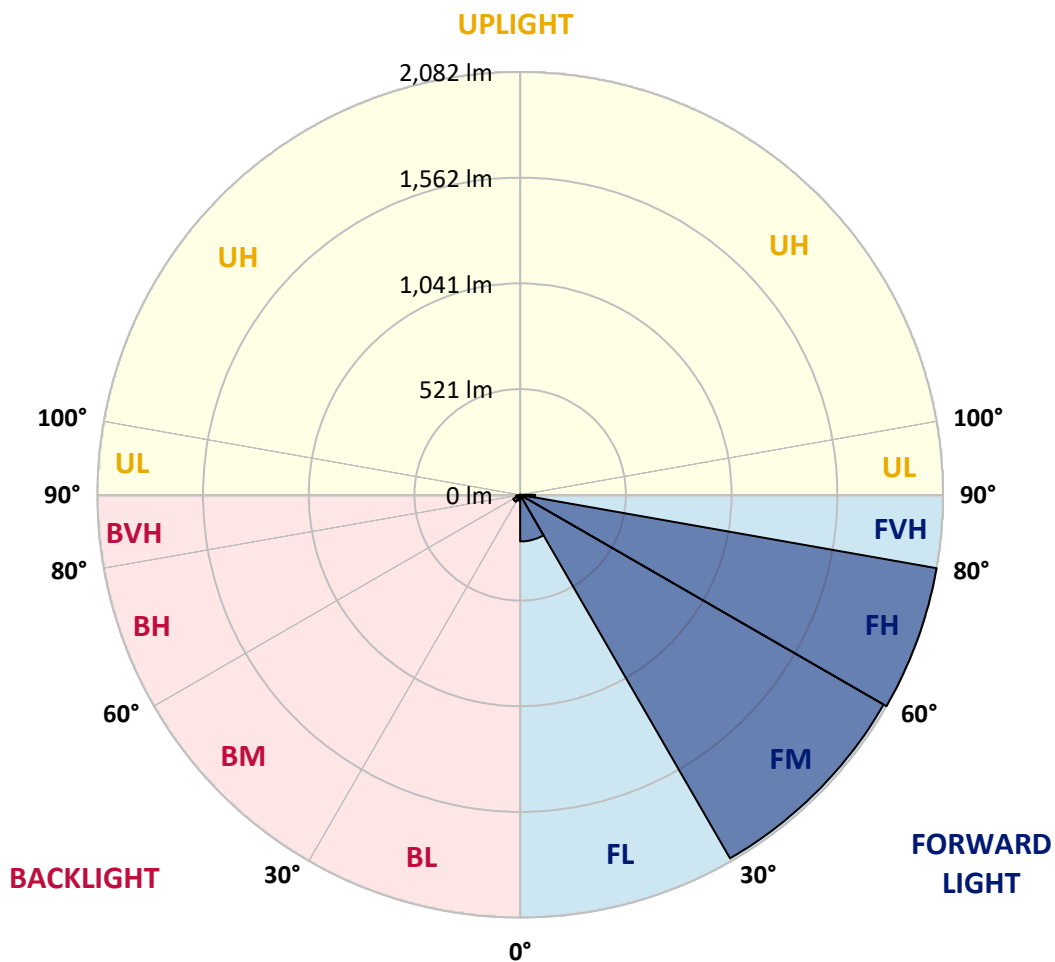
CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.6	5.1			
FM	(30°-60°)	2066.8	45.5			
FH	(60°-80°)	2082.3	45.8			G2/5000
FVH	(80°-90°)	73.7	1.6			G1/100
BL	(0°-30°)	28.5	0.6	B0/110		
BM	(30°-60°)	39.1	0.9	B0/220		
BH	(60°-80°)	20.2	0.4	B0/110		G0/110
BVH	(80°-90°)	3.5	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: P155263

CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	167.2	164.4	165.4	159.8	156.1	151.4	147.7	146.8	145.8	144.0	144.9
5°	240.6	237.8	231.3	220.2	209.9	194.2	178.4	177.4	174.6	171.9	170.0
7.5°	334.4	329.8	322.4	303.8	278.7	250.8	219.2	216.5	212.7	209.0	205.3
10°	443.1	440.3	426.4	405.0	366.9	321.4	268.5	265.7	257.3	252.7	249.0
12.5°	557.4	545.3	539.7	502.6	458.9	396.7	328.9	318.6	312.1	305.6	296.3
15°	643.8	645.6	632.6	602.9	551.8	479.4	394.8	383.7	374.4	362.3	351.2
17.5°	721.8	718.1	704.2	685.6	637.3	563.9	465.4	450.6	435.7	429.2	413.4
20°	785.0	783.1	772.0	754.3	717.2	646.6	539.7	527.7	510.9	499.8	482.1
22.5°	835.2	835.2	828.7	818.4	782.2	725.5	618.7	605.7	589.0	575.0	555.5
25°	875.1	874.2	875.1	870.5	846.3	794.3	699.5	684.7	670.7	654.0	635.4
27.5°	920.6	922.5	920.6	917.8	907.6	865.8	781.3	771.1	755.3	737.6	719.0
30°	991.2	985.6	984.7	982.9	970.8	944.8	865.8	853.7	841.7	829.6	816.6
32.5°	1065.5	1056.3	1053.5	1053.5	1045.1	1021.9	963.4	956.9	939.2	929.9	918.8
35°	1150.1	1146.4	1142.6	1143.6	1139.9	1115.7	1067.4	1069.3	1063.7	1045.1	1034.0
37.5°	1273.6	1274.6	1268.1	1256.0	1256.0	1234.6	1206.7	1203.0	1189.1	1184.5	1177.9
40°	1450.1	1445.5	1439.9	1422.3	1415.8	1379.5	1353.5	1344.2	1333.1	1332.2	1324.7
42.5°	1654.5	1648.9	1648.9	1635.9	1622.9	1579.3	1530.0	1523.5	1511.5	1515.2	1512.4
45°	1844.0	1848.7	1855.2	1864.5	1866.3	1847.7	1776.2	1767.9	1761.3	1757.6	1754.8
47.5°	2007.5	2015.9	2037.3	2077.2	2128.3	2134.8	2078.1	2055.8	2051.2	2044.7	2039.1
50°	2124.6	2136.7	2185.0	2263.0	2362.4	2423.7	2393.1	2374.5	2373.5	2355.9	2354.0
52.5°	2191.5	2204.5	2283.4	2401.4	2555.6	2675.5	2713.6	2712.6	2710.8	2695.0	2688.5
55°	2206.3	2220.3	2315.0	2475.7	2695.9	2903.1	3048.9	3052.6	3061.0	3056.3	3056.3
57.5°	2165.5	2183.1	2286.2	2485.0	2769.3	3083.3	3401.9	3423.3	3433.5	3469.7	3511.5
60°	2090.2	2103.2	2206.3	2428.4	2782.3	3247.7	3860.8	3928.7	3981.6	4053.1	4121.0
62.5°	1950.9	1976.9	2075.3	2316.9	2743.3	3437.2	4408.9	4534.4	4637.5	4746.2	4877.1
65°	1781.8	1792.9	1876.5	2087.4	2568.6	3509.7	4711.8	4834.4	4966.3	5082.5	5199.5
67.5°	1570.0	1579.3	1651.7	1741.8	2119.9	3170.6	4413.6	4549.2	4668.1	4763.8	4917.1
70°	1028.4	1048.8	1226.3	1315.4	1481.7	2343.8	3609.1	3740.1	3831.1	3896.1	4073.6
72.5°	753.4	766.4	837.9	1021.9	1062.8	1385.1	2539.8	2682.0	2715.4	2838.0	2920.7
75°	459.8	492.4	654.0	875.1	1035.8	948.5	1521.7	1590.4	1667.5	1756.7	1835.7
77.5°	92.9	105.9	213.7	602.9	911.3	1013.5	908.5	921.5	959.6	968.0	997.7
80°	14.9	15.8	27.9	260.1	527.7	819.4	908.5	896.5	875.1	860.2	845.4
82.5°	6.5	7.4	12.1	66.0	112.4	273.1	785.9	847.2	917.8	956.9	967.1
85°	2.8	2.8	4.6	13.0	16.7	18.6	132.8	175.6	313.1	416.2	479.4
87.5°	1.9	1.9	2.8	2.8	3.7	4.6	6.5	6.5	7.4	8.4	12.1
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: P155263

CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	144.9	144.0	144.0	141.2	141.2	140.3	140.3	139.3	139.3	137.5	138.4
5°	169.1	167.2	165.4	162.6	161.6	159.8	157.9	155.1	154.2	152.4	151.4
7.5°	201.6	199.7	196.0	190.4	186.7	183.0	179.3	175.6	172.8	170.0	168.1
10°	241.5	236.0	234.1	223.0	218.3	210.9	206.2	202.5	196.9	192.3	189.5
12.5°	289.8	285.2	275.9	261.0	253.6	247.1	238.7	231.3	225.7	217.4	211.8
15°	340.0	336.3	323.3	306.6	297.3	285.2	276.8	269.4	257.3	251.8	241.5
17.5°	403.2	392.0	379.0	354.9	342.8	332.6	317.7	306.6	299.1	282.4	273.1
20°	468.2	456.1	439.4	412.5	395.7	380.0	367.9	353.0	337.2	326.1	310.3
22.5°	542.5	523.0	510.0	476.6	457.1	440.3	419.9	404.1	388.3	370.7	353.0
25°	621.5	602.0	586.2	548.1	527.7	510.9	486.8	464.5	445.0	425.5	405.0
27.5°	704.2	686.5	668.9	629.8	612.2	589.0	566.7	540.7	515.6	497.9	470.1
30°	799.9	785.0	765.5	723.7	704.2	680.0	656.8	626.1	602.0	577.8	550.9
32.5°	903.0	890.9	870.5	833.3	810.1	789.6	764.6	734.8	700.5	675.4	643.8
35°	1028.4	1007.9	995.9	960.6	942.9	920.6	894.6	868.6	832.4	797.1	770.1
37.5°	1171.4	1162.2	1146.4	1112.9	1099.9	1076.7	1060.0	1034.0	1006.1	961.5	932.7
40°	1318.2	1311.7	1297.8	1264.3	1251.3	1235.5	1216.0	1191.0	1157.5	1134.3	1091.6
42.5°	1504.9	1494.7	1483.6	1452.0	1426.9	1407.4	1399.0	1377.7	1342.4	1312.6	1279.2
45°	1741.8	1737.2	1722.3	1690.7	1665.7	1652.7	1639.7	1603.4	1580.2	1550.5	1527.2
47.5°	2028.0	2013.1	2005.7	1970.4	1962.0	1951.8	1918.3	1897.9	1864.5	1841.2	1812.4
50°	2337.3	2321.5	2322.5	2279.7	2281.6	2274.1	2249.1	2224.9	2196.1	2175.7	2158.0
52.5°	2669.9	2677.3	2658.7	2671.7	2656.9	2640.2	2635.5	2605.8	2580.7	2579.8	2555.6
55°	3078.6	3066.6	3071.2	3084.2	3063.8	3082.4	3073.1	3035.0	3035.9	3043.3	3015.5
57.5°	3518.1	3535.7	3573.8	3582.1	3617.5	3593.3	3656.5	3610.9	3638.8	3638.8	3620.2
60°	4162.8	4233.4	4325.3	4396.9	4462.8	4441.5	4524.1	4472.1	4509.3	4477.7	4461.9
62.5°	4939.4	5033.2	5141.9	5258.0	5324.9	5341.6	5329.6	5352.8	5316.6	5293.3	5232.9
65°	5312.8	5405.7	5500.5	5639.8	5658.4	5672.4	5666.8	5627.8	5583.2	5517.2	5438.3
67.5°	5002.6	5132.6	5185.6	5346.3	5400.2	5380.7	5387.2	5337.0	5267.3	5202.3	5086.2
70°	4147.9	4296.5	4324.4	4554.8	4618.9	4711.8	4678.3	4663.5	4587.3	4532.5	4404.3
72.5°	3020.1	3136.2	3126.9	3386.1	3375.0	3413.1	3503.2	3499.5	3419.6	3401.9	3294.2
75°	1858.9	1928.6	1924.8	2108.8	2031.7	2020.5	2045.6	2034.5	1959.2	1881.2	1814.3
77.5°	984.7	1016.3	982.9	928.1	922.5	860.2	842.6	841.7	784.1	713.5	661.4
80°	829.6	797.1	758.0	678.2	631.7	589.9	550.9	514.7	475.6	423.6	360.4
82.5°	968.9	953.1	925.3	824.9	776.6	693.0	630.8	572.3	500.7	446.8	366.0
85°	471.9	471.0	493.3	483.1	465.4	461.7	400.4	387.4	358.6	328.9	275.0
87.5°	13.0	9.3	11.1	9.3	11.1	12.1	8.4	19.5	12.1	11.1	13.0
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: P155263  
 CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	137.5	136.6	135.6	135.6	134.7	134.7	133.8	132.8	132.8	131.9	131.9
5°	149.6	147.7	146.8	145.8	144.0	143.1	141.2	140.3	138.4	137.5	135.6
7.5°	164.4	162.6	158.9	157.0	154.2	153.3	148.6	146.8	144.9	143.1	140.3
10°	183.0	178.4	174.6	170.9	166.3	162.6	158.9	156.1	152.4	147.7	145.8
12.5°	206.2	199.7	194.2	187.7	182.1	176.5	170.0	165.4	159.8	155.1	150.5
15°	232.2	223.0	215.5	206.2	196.9	190.4	183.9	177.4	170.0	163.5	157.9
17.5°	262.0	249.9	239.7	228.5	218.3	209.0	197.9	189.5	181.2	171.9	164.4
20°	293.6	281.5	267.5	255.5	240.6	230.4	216.5	205.3	193.2	183.9	173.7
22.5°	335.4	319.6	301.9	285.2	269.4	253.6	238.7	224.8	209.9	196.0	185.8
25°	384.6	365.1	342.8	326.1	303.8	286.1	267.5	249.9	234.1	216.5	199.7
27.5°	445.9	419.9	395.7	372.5	348.4	326.1	301.9	281.5	260.1	239.7	221.1
30°	517.4	492.4	456.1	430.1	406.0	375.3	351.2	324.2	300.1	270.3	249.9
32.5°	612.2	579.7	541.6	507.2	475.6	441.3	407.8	373.5	341.9	314.9	284.3
35°	735.8	697.7	652.1	608.5	573.2	531.4	488.6	449.6	413.4	374.4	336.3
37.5°	891.8	856.5	807.3	754.3	707.0	656.8	612.2	557.4	509.1	461.7	413.4
40°	1047.0	1014.4	963.4	906.7	845.4	787.8	731.1	668.9	607.6	548.1	497.9
42.5°	1238.3	1190.0	1135.2	1071.1	1011.7	942.9	872.3	800.8	727.4	655.9	584.3
45°	1478.9	1441.8	1364.7	1295.9	1225.3	1144.5	1057.2	975.4	881.6	797.1	702.3
47.5°	1771.6	1704.7	1648.0	1584.8	1496.6	1418.6	1307.1	1210.5	1093.4	981.0	867.7
50°	2117.1	2080.0	2004.7	1925.8	1830.1	1737.2	1628.5	1489.2	1348.9	1229.0	1073.9
52.5°	2521.3	2468.3	2420.9	2339.2	2241.6	2122.7	1999.2	1847.7	1675.9	1506.8	1341.4
55°	3000.6	2963.4	2917.9	2852.9	2728.4	2593.7	2445.1	2263.9	2060.5	1832.9	1640.6
57.5°	3619.3	3580.3	3536.6	3402.9	3318.3	3153.0	2937.4	2749.8	2530.5	2238.8	2000.1
60°	4463.8	4410.8	4349.5	4240.8	4064.3	3849.7	3618.4	3340.6	3072.1	2753.5	2440.4
62.5°	5185.6	5101.0	4970.0	4829.8	4618.0	4371.8	4081.0	3754.0	3448.4	3089.8	2741.4
65°	5334.2	5218.1	5063.9	4880.9	4662.6	4384.8	4081.0	3767.9	3408.4	3071.2	2721.0
67.5°	4947.8	4813.0	4655.1	4450.7	4242.7	3956.5	3694.6	3375.9	3037.8	2746.1	2433.0
70°	4312.3	4112.6	3951.0	3733.6	3522.7	3297.9	3022.0	2783.2	2508.2	2239.8	2000.1
72.5°	3238.4	3041.5	2894.7	2721.0	2595.6	2357.8	2155.2	1976.9	1814.3	1613.6	1436.2
75°	1745.6	1597.8	1499.4	1420.4	1308.0	1151.0	1054.4	931.8	863.0	779.4	698.6
77.5°	569.5	501.6	428.3	356.7	306.6	230.4	223.0	177.4	167.2	162.6	125.4
80°	291.7	224.8	162.6	117.1	89.2	79.0	75.2	71.5	67.8	65.0	60.4
82.5°	292.6	211.8	145.8	101.3	73.4	61.3	57.6	55.7	53.0	50.2	46.4
85°	213.7	157.9	108.7	74.3	51.1	40.9	39.0	36.2	34.4	33.4	29.7
87.5°	13.9	10.2	9.3	8.4	8.4	8.4	9.3	8.4	9.3	9.3	8.4
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: P155263  
 CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	131.0	130.1	130.1	129.1	128.2	128.2	127.3	127.3	124.5	119.8	116.1
5°	134.7	132.8	131.9	131.0	130.1	128.2	127.3	126.3	121.7	112.4	105.0
7.5°	137.5	135.6	134.7	132.8	130.1	129.1	127.3	125.4	118.0	105.0	96.6
10°	142.1	139.3	136.6	133.8	131.0	129.1	126.3	124.5	113.3	98.5	90.1
12.5°	146.8	143.1	139.3	134.7	131.9	129.1	126.3	122.6	109.6	92.9	83.6
15°	152.4	146.8	142.1	137.5	132.8	129.1	124.5	121.7	105.9	88.3	79.9
17.5°	157.9	151.4	144.9	138.4	133.8	128.2	124.5	119.8	102.2	84.5	75.2
20°	164.4	155.1	148.6	141.2	134.7	128.2	122.6	118.0	98.5	79.9	70.6
22.5°	173.7	162.6	152.4	144.0	135.6	129.1	122.6	116.1	94.8	76.2	66.9
25°	185.8	171.9	159.8	149.6	139.3	131.0	123.6	117.1	92.0	73.4	62.2
27.5°	203.4	185.8	172.8	158.9	145.8	135.6	126.3	118.9	90.1	70.6	59.5
30°	224.8	207.2	186.7	170.0	156.1	142.1	131.9	120.8	88.3	67.8	55.7
32.5°	256.4	231.3	207.2	186.7	167.2	151.4	136.6	125.4	87.3	63.2	52.0
35°	301.9	267.5	238.7	211.8	184.9	165.4	147.7	132.8	86.4	59.5	48.3
37.5°	366.9	326.1	288.9	250.8	217.4	189.5	165.4	145.8	86.4	56.7	44.6
40°	436.6	383.7	336.3	288.9	246.2	210.9	178.4	154.2	84.5	53.0	40.9
42.5°	515.6	450.6	385.5	327.0	274.0	228.5	190.4	160.7	79.9	49.2	37.2
45°	621.5	536.0	458.0	382.7	314.0	254.5	206.2	168.1	75.2	46.4	33.4
47.5°	754.3	654.9	553.7	458.9	368.8	293.6	229.5	180.2	72.5	42.7	30.7
50°	952.2	811.0	677.2	556.5	442.2	343.7	263.8	197.9	69.7	39.9	27.9
52.5°	1169.6	995.9	838.9	683.7	541.6	411.5	303.8	221.1	66.9	37.2	25.1
55°	1434.3	1220.7	1029.3	827.7	645.6	490.5	353.0	247.1	63.2	34.4	23.2
57.5°	1761.3	1491.0	1264.3	1018.2	789.6	592.7	419.0	290.8	59.5	30.7	20.4
60°	2126.4	1820.8	1535.6	1246.7	969.9	728.3	516.5	353.0	55.7	26.9	17.7
62.5°	2389.3	2054.0	1727.9	1403.7	1099.9	829.6	595.5	401.3	50.2	23.2	15.8
65°	2386.6	2046.5	1718.6	1399.0	1103.6	833.3	598.3	410.6	44.6	20.4	13.9
67.5°	2126.4	1840.3	1547.7	1260.6	1002.4	758.0	553.7	380.9	38.1	18.6	12.1
70°	1749.3	1521.7	1290.4	1062.8	855.6	649.4	478.4	331.6	32.5	16.7	10.2
72.5°	1277.3	1111.1	969.9	809.1	667.9	512.8	381.8	260.1	26.0	13.9	9.3
75°	634.5	567.6	486.8	436.6	372.5	304.7	236.9	151.4	21.4	11.1	8.4
77.5°	120.8	107.8	103.1	89.2	81.8	72.5	64.1	45.5	16.7	8.4	7.4
80°	55.7	51.1	46.4	41.8	37.2	31.6	27.9	24.2	13.0	6.5	8.4
82.5°	43.7	39.9	35.3	31.6	27.9	24.2	20.4	17.7	8.4	5.6	8.4
85°	28.8	25.1	22.3	19.5	16.7	14.9	13.0	11.1	5.6	5.6	5.6
87.5°	8.4	8.4	7.4	7.4	6.5	6.5	5.6	5.6	4.6	4.6	4.6
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: P155263

CATALOG NUMBER: AVM-F04-LED-E-U-T3-HSS-8030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	126.3	126.3	126.3	126.3	126.3	126.3	126.3
2.5°	112.4	107.8	105.9	105.0	105.0	105.9	105.0
5°	99.4	94.8	92.9	91.0	91.0	91.0	92.0
7.5°	91.0	86.4	83.6	82.7	81.8	82.7	82.7
10°	83.6	79.9	76.2	74.3	74.3	74.3	74.3
12.5°	78.0	73.4	69.7	68.7	67.8	67.8	67.8
15°	73.4	67.8	65.0	63.2	62.2	62.2	63.2
17.5°	67.8	63.2	59.5	58.5	58.5	58.5	58.5
20°	64.1	58.5	55.7	53.9	53.9	53.9	53.9
22.5°	59.5	54.8	51.1	49.2	49.2	49.2	49.2
25°	55.7	51.1	47.4	45.5	45.5	45.5	45.5
27.5°	52.0	47.4	43.7	41.8	41.8	41.8	41.8
30°	48.3	43.7	39.9	38.1	38.1	38.1	38.1
32.5°	45.5	39.9	36.2	34.4	34.4	35.3	34.4
35°	40.9	36.2	32.5	30.7	30.7	30.7	30.7
37.5°	37.2	32.5	28.8	26.9	26.9	26.9	26.0
40°	34.4	28.8	25.1	23.2	22.3	22.3	22.3
42.5°	29.7	24.2	21.4	19.5	18.6	18.6	18.6
45°	26.9	21.4	17.7	15.8	15.8	15.8	15.8
47.5°	24.2	18.6	14.9	13.0	13.0	13.9	13.9
50°	21.4	15.8	12.1	12.1	12.1	13.0	13.0
52.5°	18.6	13.9	11.1	11.1	12.1	13.0	13.0
55°	16.7	12.1	10.2	11.1	12.1	13.0	13.0
57.5°	14.9	10.2	10.2	11.1	12.1	13.0	13.0
60°	13.0	9.3	9.3	10.2	12.1	13.0	13.0
62.5°	11.1	9.3	9.3	10.2	12.1	13.0	13.0
65°	10.2	9.3	9.3	10.2	12.1	13.0	13.0
67.5°	9.3	8.4	9.3	10.2	11.1	12.1	12.1
70°	8.4	8.4	9.3	10.2	11.1	12.1	12.1
72.5°	8.4	8.4	8.4	9.3	10.2	11.1	11.1
75°	8.4	8.4	8.4	9.3	10.2	11.1	11.1
77.5°	8.4	7.4	7.4	8.4	10.2	11.1	11.1
80°	8.4	7.4	7.4	8.4	9.3	11.1	11.1
82.5°	6.5	6.5	7.4	8.4	9.3	10.2	10.2
85°	5.6	6.5	6.5	7.4	8.4	10.2	10.2
87.5°	4.6	4.6	5.6	6.5	7.4	8.4	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)