

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: P155254

Luminaire Tested: **AVM-F03-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P155254  
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-7030  
Description: VISION SITE MEDIUM LED LUMINAIRE  
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD  
Light Source: (21) 3000K CCT, 70 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3687.7 lumens  
Efficiency: N/A  
Efficacy: 47.1 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

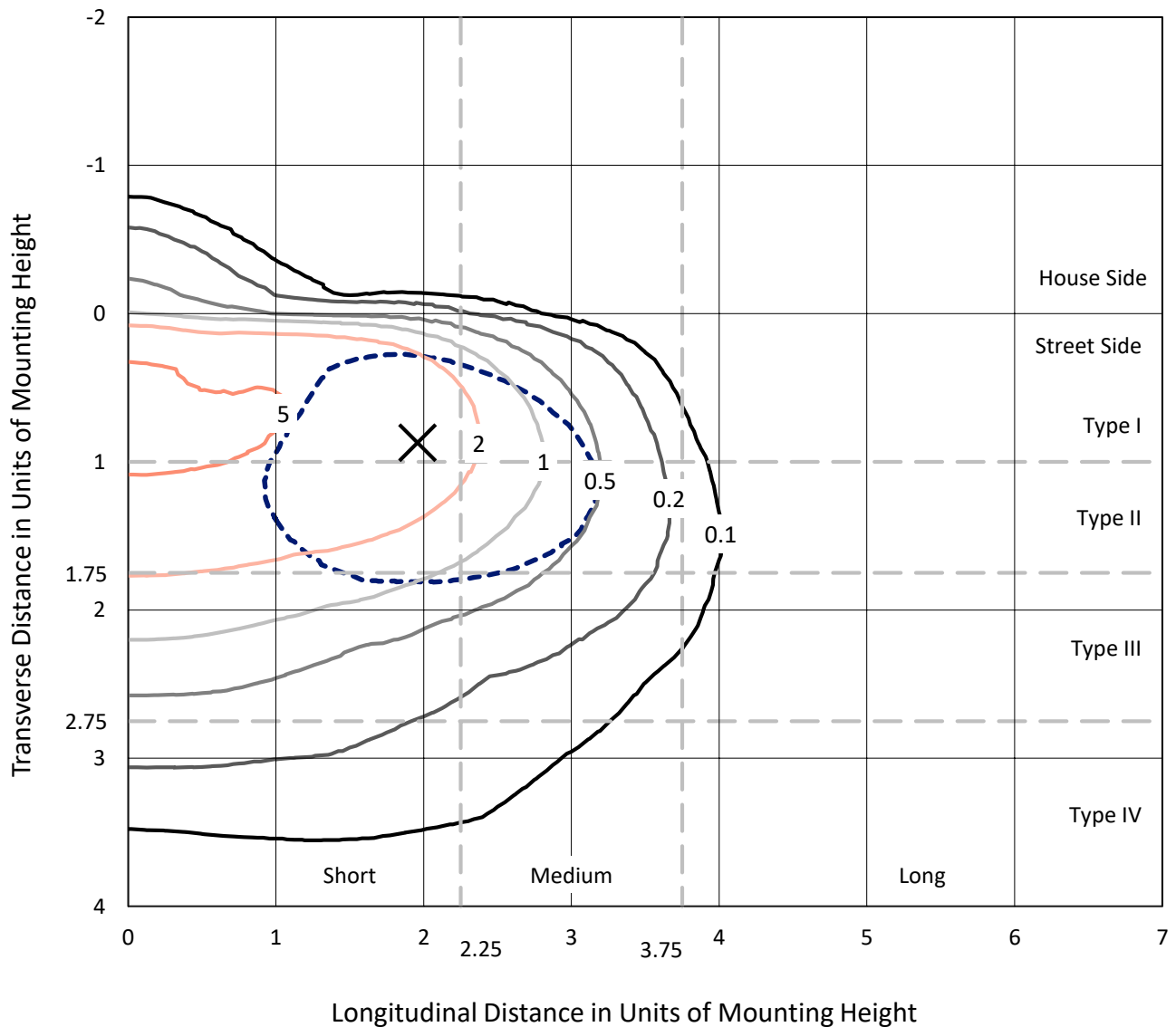
Input Watts (W): 78.3  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P155254  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

### Iso-Footcandle Lines of Horizontal Illumination

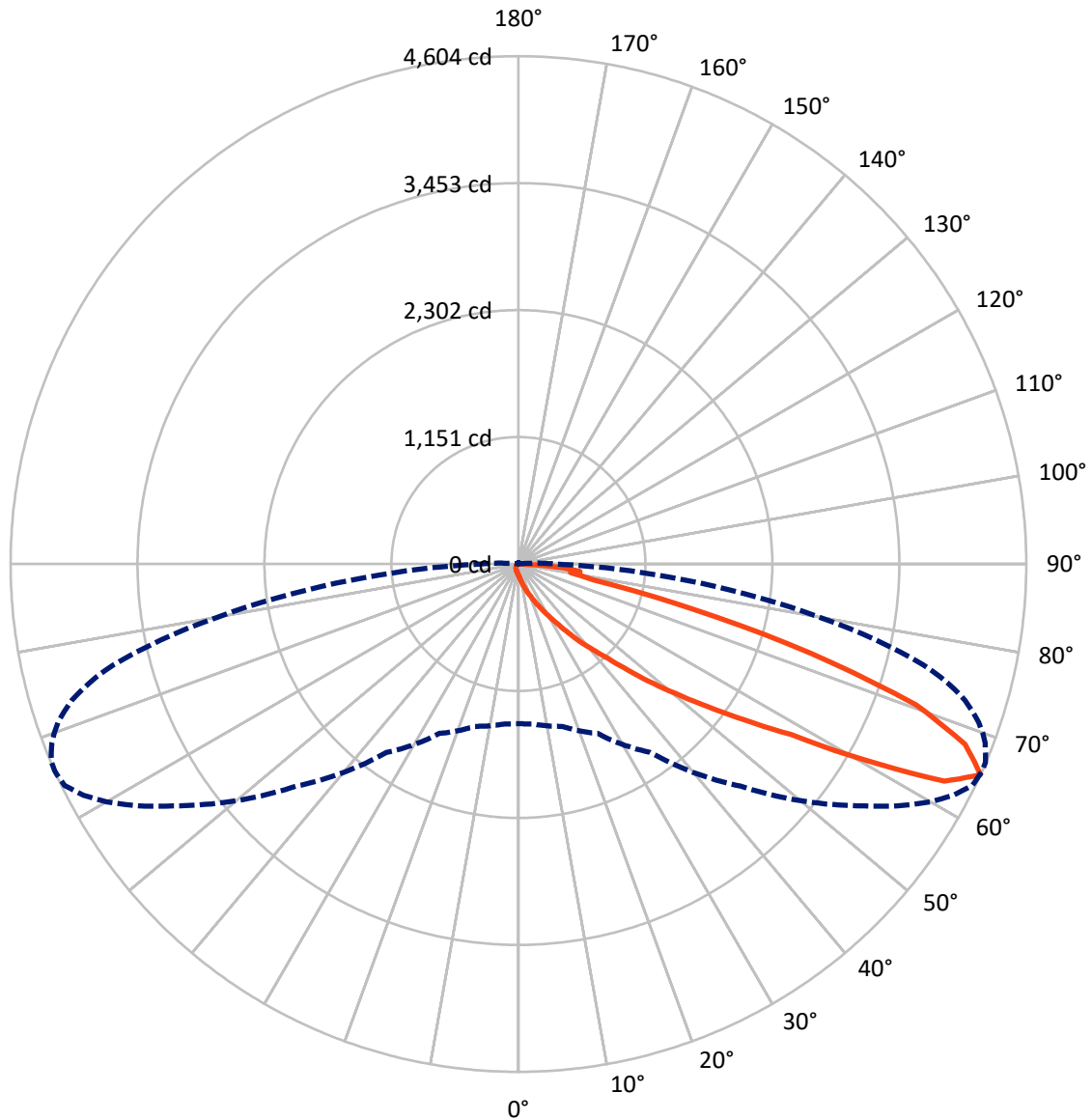
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.4 fc  
 Type III - Short - Non-Cutoff

REPORT NUMBER: P155254  
CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P155254

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	74.0	0.0	74.0
	% Fixture	2.0	0.0	2.0
<b>Street Side</b>	Lumens	3613.7	0.0	3613.7
	% Fixture	98.0	0.0	98.0
<b>Total</b>	Lumens	3687.7	0.0	3687.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	12.5	0.3
10°-20°	60.0	1.6
20°-30°	137.0	3.7
30°-40°	260.6	7.1
40°-50°	523.1	14.2
50°-60°	925.5	25.1
60°-70°	1209.2	32.8
70°-80°	497.2	13.5
80°-90°	62.6	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°	3687.7	100.0
0°-180°	3687.7	100.0

**Coefficient of Utilization**



REPORT NUMBER: P155254

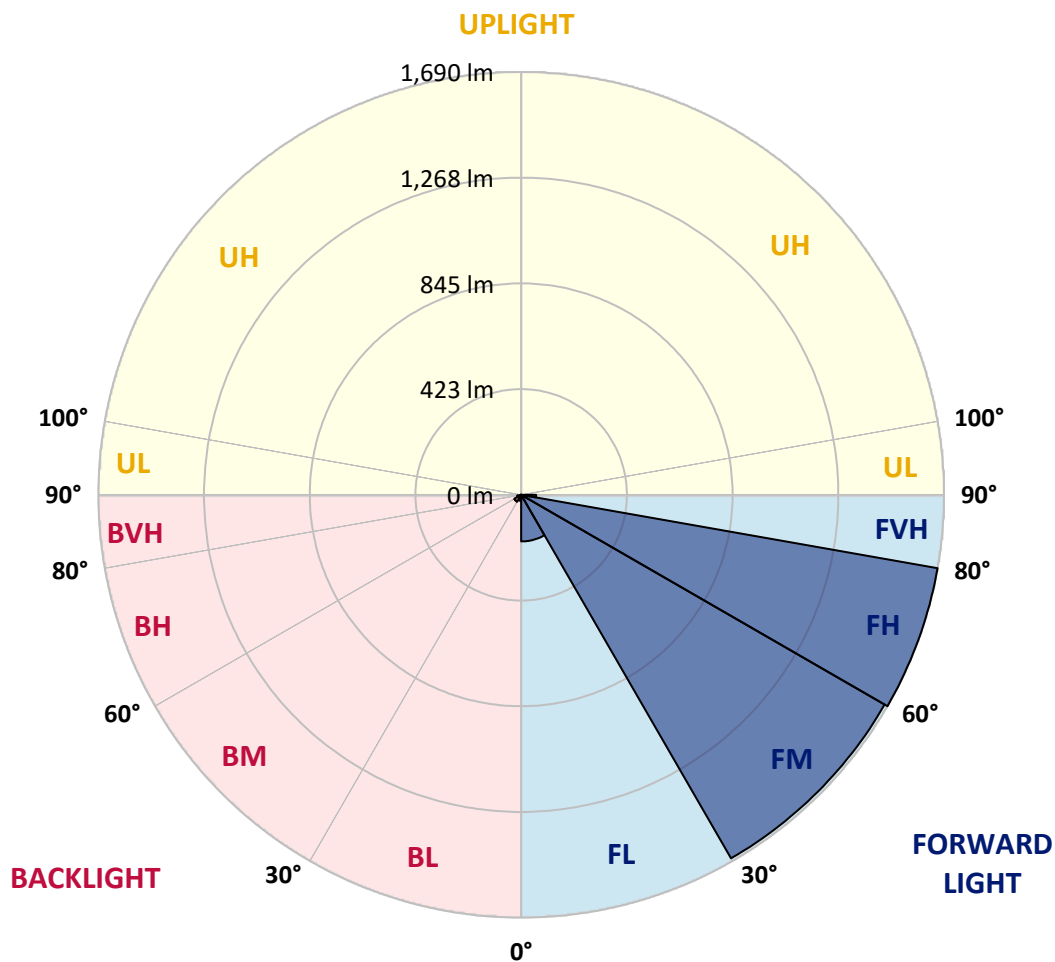
CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.3	5.1			
FM	(30°-60°)	1677.5	45.5			
FH	(60°-80°)	1690.1	45.8			G1/1800
FVH	(80°-90°)	59.8	1.6			G1/100
BL	(0°-30°)	23.2	0.6	B0/110		
BM	(30°-60°)	31.7	0.9	B0/220		
BH	(60°-80°)	16.4	0.4	B0/110		G0/110
BVH	(80°-90°)	2.8	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





REPORT NUMBER: P155254  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	135.7	133.5	134.2	129.7	126.7	122.9	119.9	119.1	118.4	116.9	117.6
5°	195.3	193.0	187.7	178.7	170.4	157.6	144.8	144.0	141.8	139.5	138.0
7.5°	271.4	267.7	261.6	246.6	226.2	203.6	177.9	175.7	172.7	169.6	166.6
10°	359.7	357.4	346.1	328.7	297.8	260.9	217.9	215.6	208.9	205.1	202.1
12.5°	452.4	442.6	438.1	407.9	372.5	322.0	266.9	258.6	253.3	248.1	240.5
15°	522.5	524.0	513.5	489.3	447.9	389.1	320.4	311.4	303.9	294.1	285.0
17.5°	585.9	582.8	571.5	556.4	517.2	457.7	377.8	365.7	353.6	348.3	335.5
20°	637.1	635.6	626.6	612.2	582.1	524.8	438.1	428.3	414.7	405.6	391.3
22.5°	677.8	677.8	672.6	664.3	634.9	588.9	502.2	491.6	478.0	466.7	450.9
25°	710.3	709.5	710.3	706.5	686.9	644.7	567.8	555.7	544.4	530.8	515.7
27.5°	747.2	748.7	747.2	744.9	736.7	702.7	634.1	625.8	613.0	598.7	583.6
30°	804.5	800.0	799.2	797.7	787.9	766.8	702.7	692.9	683.1	673.3	662.8
32.5°	864.8	857.3	855.0	855.0	848.2	829.4	781.9	776.6	762.3	754.7	745.7
35°	933.4	930.4	927.4	928.2	925.1	905.5	866.3	867.8	863.3	848.2	839.2
37.5°	1033.7	1034.5	1029.2	1019.4	1019.4	1002.1	979.4	976.4	965.1	961.3	956.1
40°	1177.0	1173.2	1168.7	1154.4	1149.1	1119.7	1098.6	1091.0	1082.0	1081.2	1075.2
42.5°	1342.9	1338.3	1338.3	1327.8	1317.2	1281.8	1241.8	1236.5	1226.7	1229.8	1227.5
45°	1496.7	1500.4	1505.7	1513.3	1514.8	1499.7	1441.6	1434.8	1429.6	1426.6	1424.3
47.5°	1629.4	1636.2	1653.5	1685.9	1727.4	1732.7	1686.7	1668.6	1664.8	1659.5	1655.0
50°	1724.4	1734.2	1773.4	1836.7	1917.4	1967.2	1942.3	1927.2	1926.5	1912.1	1910.6
52.5°	1778.7	1789.2	1853.3	1949.1	2074.2	2171.5	2202.4	2201.7	2200.2	2187.3	2182.1
55°	1790.7	1802.0	1879.0	2009.4	2188.1	2356.2	2474.6	2477.6	2484.4	2480.6	2480.6
57.5°	1757.6	1771.9	1855.6	2016.9	2247.7	2502.5	2761.1	2778.5	2786.8	2816.2	2850.1
60°	1696.5	1707.0	1790.7	1970.9	2258.2	2636.0	3133.6	3188.6	3231.6	3289.7	3344.7
62.5°	1583.4	1604.5	1684.4	1880.5	2226.5	2789.8	3578.5	3680.2	3763.9	3852.2	3958.5
65°	1446.2	1455.2	1523.1	1694.2	2084.8	2848.6	3824.3	3923.8	4030.8	4125.1	4220.1
67.5°	1274.2	1281.8	1340.6	1413.7	1720.6	2573.4	3582.2	3692.3	3788.8	3866.5	3990.9
70°	834.7	851.3	995.3	1067.7	1202.6	1902.3	2929.3	3035.6	3109.5	3162.2	3306.3
72.5°	611.5	622.0	680.1	829.4	862.6	1124.2	2061.4	2176.8	2203.9	2303.5	2370.6
75°	373.2	399.6	530.8	710.3	840.7	769.8	1235.0	1290.8	1353.4	1425.8	1489.9
77.5°	75.4	86.0	173.4	489.3	739.7	822.6	737.4	748.0	778.9	785.7	809.8
80°	12.1	12.8	22.6	211.1	428.3	665.0	737.4	727.6	710.3	698.2	686.1
82.5°	5.3	6.0	9.8	53.5	91.2	221.7	637.9	687.6	744.9	776.6	784.9
85°	2.3	2.3	3.8	10.6	13.6	15.1	107.8	142.5	254.1	337.8	389.1
87.5°	1.5	1.5	2.3	2.3	3.0	3.8	5.3	5.3	6.0	6.8	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



REPORT NUMBER: P155254  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	117.6	116.9	116.9	114.6	114.6	113.9	113.9	113.1	113.1	111.6	112.3
5°	137.2	135.7	134.2	131.9	131.2	129.7	128.2	125.9	125.2	123.7	122.9
7.5°	163.6	162.1	159.1	154.6	151.6	148.5	145.5	142.5	140.2	138.0	136.5
10°	196.0	191.5	190.0	181.0	177.2	171.2	167.4	164.4	159.8	156.1	153.8
12.5°	235.2	231.5	223.9	211.9	205.8	200.6	193.8	187.7	183.2	176.4	171.9
15°	276.0	272.9	262.4	248.8	241.3	231.5	224.7	218.7	208.9	204.3	196.0
17.5°	327.2	318.2	307.6	288.0	278.2	269.9	257.9	248.8	242.8	229.2	221.7
20°	380.0	370.2	356.6	334.8	321.2	308.4	298.6	286.5	273.7	264.7	251.8
22.5°	440.3	424.5	413.9	386.8	371.0	357.4	340.8	328.0	315.2	300.8	286.5
25°	504.4	488.6	475.8	444.9	428.3	414.7	395.1	377.0	361.2	345.3	328.7
27.5°	571.5	557.2	542.9	511.2	496.9	478.0	459.9	438.8	418.5	404.1	381.5
30°	649.2	637.1	621.3	587.4	571.5	551.9	533.1	508.2	488.6	469.0	447.1
32.5°	732.9	723.1	706.5	676.3	657.5	640.9	620.5	596.4	568.5	548.2	522.5
35°	834.7	818.1	808.3	779.6	765.3	747.2	726.1	705.0	675.6	646.9	625.1
37.5°	950.8	943.2	930.4	903.3	892.7	873.9	860.3	839.2	816.6	780.4	757.0
40°	1069.9	1064.6	1053.3	1026.2	1015.6	1002.8	987.0	966.6	939.5	920.6	885.9
42.5°	1221.5	1213.2	1204.1	1178.5	1158.1	1142.3	1135.5	1118.2	1089.5	1065.4	1038.2
45°	1413.7	1410.0	1397.9	1372.3	1351.9	1341.4	1330.8	1301.4	1282.5	1258.4	1239.6
47.5°	1646.0	1633.9	1627.9	1599.2	1592.4	1584.1	1557.0	1540.4	1513.3	1494.4	1471.0
50°	1897.0	1884.2	1885.0	1850.3	1851.8	1845.8	1825.4	1805.8	1782.4	1765.9	1751.5
52.5°	2167.0	2173.0	2157.9	2168.5	2156.4	2142.8	2139.1	2115.0	2094.6	2093.8	2074.2
55°	2498.7	2488.9	2492.7	2503.3	2486.7	2501.8	2494.2	2463.3	2464.1	2470.1	2447.5
57.5°	2855.4	2869.7	2900.6	2907.4	2936.1	2916.4	2967.7	2930.8	2953.4	2953.4	2938.3
60°	3378.6	3435.9	3510.6	3568.7	3622.2	3604.8	3671.9	3629.7	3659.9	3634.2	3621.4
62.5°	4009.0	4085.1	4173.4	4267.6	4321.9	4335.5	4325.7	4344.5	4315.1	4296.3	4247.2
65°	4312.1	4387.5	4464.4	4577.5	4592.6	4603.9	4599.4	4567.7	4531.5	4478.0	4413.9
67.5°	4060.3	4165.8	4208.8	4339.2	4383.0	4367.1	4372.4	4331.7	4275.1	4222.4	4128.1
70°	3366.6	3487.2	3509.8	3696.8	3748.9	3824.3	3797.1	3785.0	3723.2	3678.7	3574.7
72.5°	2451.2	2545.5	2537.9	2748.3	2739.3	2770.2	2843.3	2840.3	2775.4	2761.1	2673.7
75°	1508.7	1565.3	1562.3	1711.6	1649.0	1639.9	1660.3	1651.2	1590.2	1526.8	1472.5
77.5°	799.2	824.9	797.7	753.2	748.7	698.2	683.9	683.1	636.4	579.1	536.8
80°	673.3	646.9	615.3	550.4	512.7	478.8	447.1	417.7	386.0	343.8	292.5
82.5°	786.4	773.6	751.0	669.5	630.3	562.5	512.0	464.5	406.4	362.7	297.1
85°	383.0	382.3	400.4	392.1	377.8	374.7	325.0	314.4	291.0	266.9	223.2
87.5°	10.6	7.5	9.0	7.5	9.0	9.8	6.8	15.8	9.8	9.0	10.6
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: P155254  
 CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	111.6	110.8	110.1	110.1	109.3	109.3	108.6	107.8	107.8	107.1	107.1
5°	121.4	119.9	119.1	118.4	116.9	116.1	114.6	113.9	112.3	111.6	110.1
7.5°	133.5	131.9	128.9	127.4	125.2	124.4	120.6	119.1	117.6	116.1	113.9
10°	148.5	144.8	141.8	138.7	135.0	131.9	128.9	126.7	123.7	119.9	118.4
12.5°	167.4	162.1	157.6	152.3	147.8	143.3	138.0	134.2	129.7	125.9	122.1
15°	188.5	181.0	174.9	167.4	159.8	154.6	149.3	144.0	138.0	132.7	128.2
17.5°	212.6	202.8	194.5	185.5	177.2	169.6	160.6	153.8	147.0	139.5	133.5
20°	238.3	228.5	217.2	207.3	195.3	187.0	175.7	166.6	156.8	149.3	141.0
22.5°	272.2	259.4	245.0	231.5	218.7	205.8	193.8	182.5	170.4	159.1	150.8
25°	312.2	296.3	278.2	264.7	246.6	232.2	217.2	202.8	190.0	175.7	162.1
27.5°	361.9	340.8	321.2	302.4	282.7	264.7	245.0	228.5	211.1	194.5	179.5
30°	420.0	399.6	370.2	349.1	329.5	304.6	285.0	263.1	243.5	219.4	202.8
32.5°	496.9	470.5	439.6	411.7	386.0	358.1	331.0	303.1	277.5	255.6	230.7
35°	597.2	566.2	529.3	493.9	465.2	431.3	396.6	364.9	335.5	303.9	272.9
37.5°	723.8	695.2	655.2	612.2	573.8	533.1	496.9	452.4	413.2	374.7	335.5
40°	849.8	823.4	781.9	735.9	686.1	639.4	593.4	542.9	493.1	444.9	404.1
42.5°	1005.1	965.9	921.4	869.4	821.1	765.3	708.0	649.9	590.4	532.3	474.3
45°	1200.4	1170.2	1107.6	1051.8	994.5	928.9	858.0	791.7	715.5	646.9	570.0
47.5°	1437.9	1383.6	1337.6	1286.3	1214.7	1151.3	1060.9	982.5	887.5	796.2	704.2
50°	1718.4	1688.2	1627.1	1563.0	1485.4	1410.0	1321.8	1208.7	1094.8	997.5	871.6
52.5°	2046.3	2003.4	1964.9	1898.6	1819.4	1722.9	1622.6	1499.7	1360.2	1223.0	1088.8
55°	2435.4	2405.2	2368.3	2315.5	2214.5	2105.1	1984.5	1837.5	1672.4	1487.6	1331.6
57.5°	2937.6	2905.9	2870.5	2761.9	2693.3	2559.1	2384.1	2231.8	2053.9	1817.1	1623.3
60°	3622.9	3580.0	3530.2	3442.0	3298.7	3124.5	2936.8	2711.4	2493.5	2234.8	1980.7
62.5°	4208.8	4140.2	4033.9	3920.0	3748.1	3548.3	3312.3	3046.9	2798.8	2507.8	2225.0
65°	4329.4	4235.2	4110.0	3961.5	3784.3	3558.8	3312.3	3058.2	2766.4	2492.7	2208.4
67.5°	4015.8	3906.4	3778.3	3612.4	3443.5	3211.3	2998.6	2740.0	2465.6	2228.8	1974.7
70°	3500.0	3337.9	3206.7	3030.3	2859.1	2676.7	2452.7	2259.0	2035.8	1817.9	1623.3
72.5°	2628.4	2468.6	2349.4	2208.4	2106.7	1913.6	1749.3	1604.5	1472.5	1309.7	1165.7
75°	1416.8	1296.9	1216.9	1152.9	1061.6	934.2	855.8	756.3	700.5	632.6	567.0
77.5°	462.2	407.2	347.6	289.5	248.8	187.0	181.0	144.0	135.7	131.9	101.8
80°	236.8	182.5	131.9	95.0	72.4	64.1	61.1	58.1	55.0	52.8	49.0
82.5°	237.5	171.9	118.4	82.2	59.6	49.8	46.7	45.2	43.0	40.7	37.7
85°	173.4	128.2	88.2	60.3	41.5	33.2	31.7	29.4	27.9	27.1	24.1
87.5°	11.3	8.3	7.5	6.8	6.8	6.8	7.5	6.8	7.5	7.5	6.8
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: P155254

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	106.3	105.6	105.6	104.8	104.1	104.1	103.3	103.3	101.0	97.3	94.2
5°	109.3	107.8	107.1	106.3	105.6	104.1	103.3	102.5	98.8	91.2	85.2
7.5°	111.6	110.1	109.3	107.8	105.6	104.8	103.3	101.8	95.8	85.2	78.4
10°	115.4	113.1	110.8	108.6	106.3	104.8	102.5	101.0	92.0	79.9	73.1
12.5°	119.1	116.1	113.1	109.3	107.1	104.8	102.5	99.5	89.0	75.4	67.9
15°	123.7	119.1	115.4	111.6	107.8	104.8	101.0	98.8	86.0	71.6	64.8
17.5°	128.2	122.9	117.6	112.3	108.6	104.1	101.0	97.3	82.9	68.6	61.1
20°	133.5	125.9	120.6	114.6	109.3	104.1	99.5	95.8	79.9	64.8	57.3
22.5°	141.0	131.9	123.7	116.9	110.1	104.8	99.5	94.2	76.9	61.8	54.3
25°	150.8	139.5	129.7	121.4	113.1	106.3	100.3	95.0	74.6	59.6	50.5
27.5°	165.1	150.8	140.2	128.9	118.4	110.1	102.5	96.5	73.1	57.3	48.3
30°	182.5	168.1	151.6	138.0	126.7	115.4	107.1	98.0	71.6	55.0	45.2
32.5°	208.1	187.7	168.1	151.6	135.7	122.9	110.8	101.8	70.9	51.3	42.2
35°	245.0	217.2	193.8	171.9	150.0	134.2	119.9	107.8	70.1	48.3	39.2
37.5°	297.8	264.7	234.5	203.6	176.4	153.8	134.2	118.4	70.1	46.0	36.2
40°	354.4	311.4	272.9	234.5	199.8	171.2	144.8	125.2	68.6	43.0	33.2
42.5°	418.5	365.7	312.9	265.4	222.4	185.5	154.6	130.4	64.8	40.0	30.2
45°	504.4	435.1	371.7	310.6	254.8	206.6	167.4	136.5	61.1	37.7	27.1
47.5°	612.2	531.6	449.4	372.5	299.3	238.3	186.2	146.3	58.8	34.7	24.9
50°	772.8	658.2	549.7	451.6	358.9	279.0	214.1	160.6	56.5	32.4	22.6
52.5°	949.3	808.3	680.9	554.9	439.6	334.0	246.6	179.5	54.3	30.2	20.4
55°	1164.2	990.7	835.4	671.8	524.0	398.1	286.5	200.6	51.3	27.9	18.8
57.5°	1429.6	1210.2	1026.2	826.4	640.9	481.0	340.1	236.0	48.3	24.9	16.6
60°	1725.9	1477.8	1246.4	1011.9	787.2	591.1	419.2	286.5	45.2	21.9	14.3
62.5°	1939.3	1667.1	1402.4	1139.3	892.7	673.3	483.3	325.7	40.7	18.8	12.8
65°	1937.0	1661.0	1394.9	1135.5	895.7	676.3	485.6	333.3	36.2	16.6	11.3
67.5°	1725.9	1493.7	1256.2	1023.2	813.6	615.3	449.4	309.1	30.9	15.1	9.8
70°	1419.8	1235.0	1047.3	862.6	694.4	527.0	388.3	269.2	26.4	13.6	8.3
72.5°	1036.7	901.8	787.2	656.7	542.1	416.2	309.9	211.1	21.1	11.3	7.5
75°	515.0	460.7	395.1	354.4	302.4	247.3	192.3	122.9	17.3	9.0	6.8
77.5°	98.0	87.5	83.7	72.4	66.4	58.8	52.0	36.9	13.6	6.8	6.0
80°	45.2	41.5	37.7	33.9	30.2	25.6	22.6	19.6	10.6	5.3	6.8
82.5°	35.4	32.4	28.7	25.6	22.6	19.6	16.6	14.3	6.8	4.5	6.8
85°	23.4	20.4	18.1	15.8	13.6	12.1	10.6	9.0	4.5	4.5	4.5
87.5°	6.8	6.8	6.0	6.0	5.3	5.3	4.5	4.5	3.8	3.8	3.8
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: P155254

CATALOG NUMBER: AVM-F03-LED-E-U-T3-HSS-7030

**CANDELA DISTRIBUTION (continued):**

	125°	135°	145°	155°	165°	175°	180°
0°	102.5	102.5	102.5	102.5	102.5	102.5	102.5
2.5°	91.2	87.5	86.0	85.2	85.2	86.0	85.2
5°	80.7	76.9	75.4	73.9	73.9	73.9	74.6
7.5°	73.9	70.1	67.9	67.1	66.4	67.1	67.1
10°	67.9	64.8	61.8	60.3	60.3	60.3	60.3
12.5°	63.3	59.6	56.5	55.8	55.0	55.0	55.0
15°	59.6	55.0	52.8	51.3	50.5	50.5	51.3
17.5°	55.0	51.3	48.3	47.5	47.5	47.5	47.5
20°	52.0	47.5	45.2	43.7	43.7	43.7	43.7
22.5°	48.3	44.5	41.5	40.0	40.0	40.0	40.0
25°	45.2	41.5	38.5	36.9	36.9	36.9	36.9
27.5°	42.2	38.5	35.4	33.9	33.9	33.9	33.9
30°	39.2	35.4	32.4	30.9	30.9	30.9	30.9
32.5°	36.9	32.4	29.4	27.9	27.9	28.7	27.9
35°	33.2	29.4	26.4	24.9	24.9	24.9	24.9
37.5°	30.2	26.4	23.4	21.9	21.9	21.9	21.1
40°	27.9	23.4	20.4	18.8	18.1	18.1	18.1
42.5°	24.1	19.6	17.3	15.8	15.1	15.1	15.1
45°	21.9	17.3	14.3	12.8	12.8	12.8	12.8
47.5°	19.6	15.1	12.1	10.6	10.6	11.3	11.3
50°	17.3	12.8	9.8	9.8	9.8	10.6	10.6
52.5°	15.1	11.3	9.0	9.0	9.8	10.6	10.6
55°	13.6	9.8	8.3	9.0	9.8	10.6	10.6
57.5°	12.1	8.3	8.3	9.0	9.8	10.6	10.6
60°	10.6	7.5	7.5	8.3	9.8	10.6	10.6
62.5°	9.0	7.5	7.5	8.3	9.8	10.6	10.6
65°	8.3	7.5	7.5	8.3	9.8	10.6	10.6
67.5°	7.5	6.8	7.5	8.3	9.0	9.8	9.8
70°	6.8	6.8	7.5	8.3	9.0	9.8	9.8
72.5°	6.8	6.8	6.8	7.5	8.3	9.0	9.0
75°	6.8	6.8	6.8	7.5	8.3	9.0	9.0
77.5°	6.8	6.0	6.0	6.8	8.3	9.0	9.0
80°	6.8	6.0	6.0	6.8	7.5	9.0	9.0
82.5°	5.3	5.3	6.0	6.8	7.5	8.3	8.3
85°	4.5	5.3	5.3	6.0	6.8	8.3	8.3
87.5°	3.8	3.8	4.5	5.3	6.0	6.8	6.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)