

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: P155244

Luminaire Tested: **AVM-F02-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155244
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-F02-LED-E-U-T3-HSS-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (14) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2458.4 lumens
Efficiency: N/A
Efficacy: 44.7 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

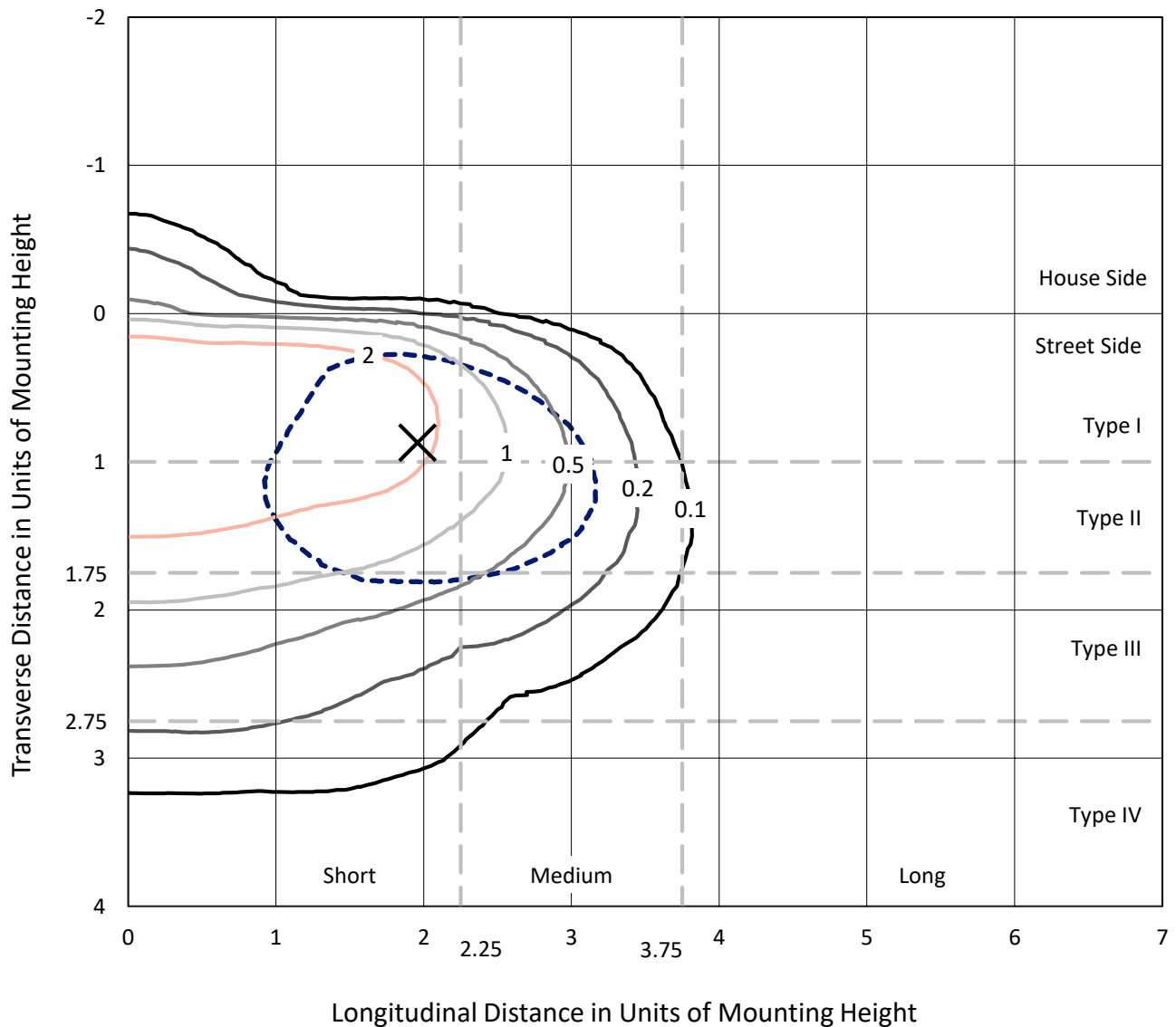
Input Watts (W): 55
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P155244
 CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

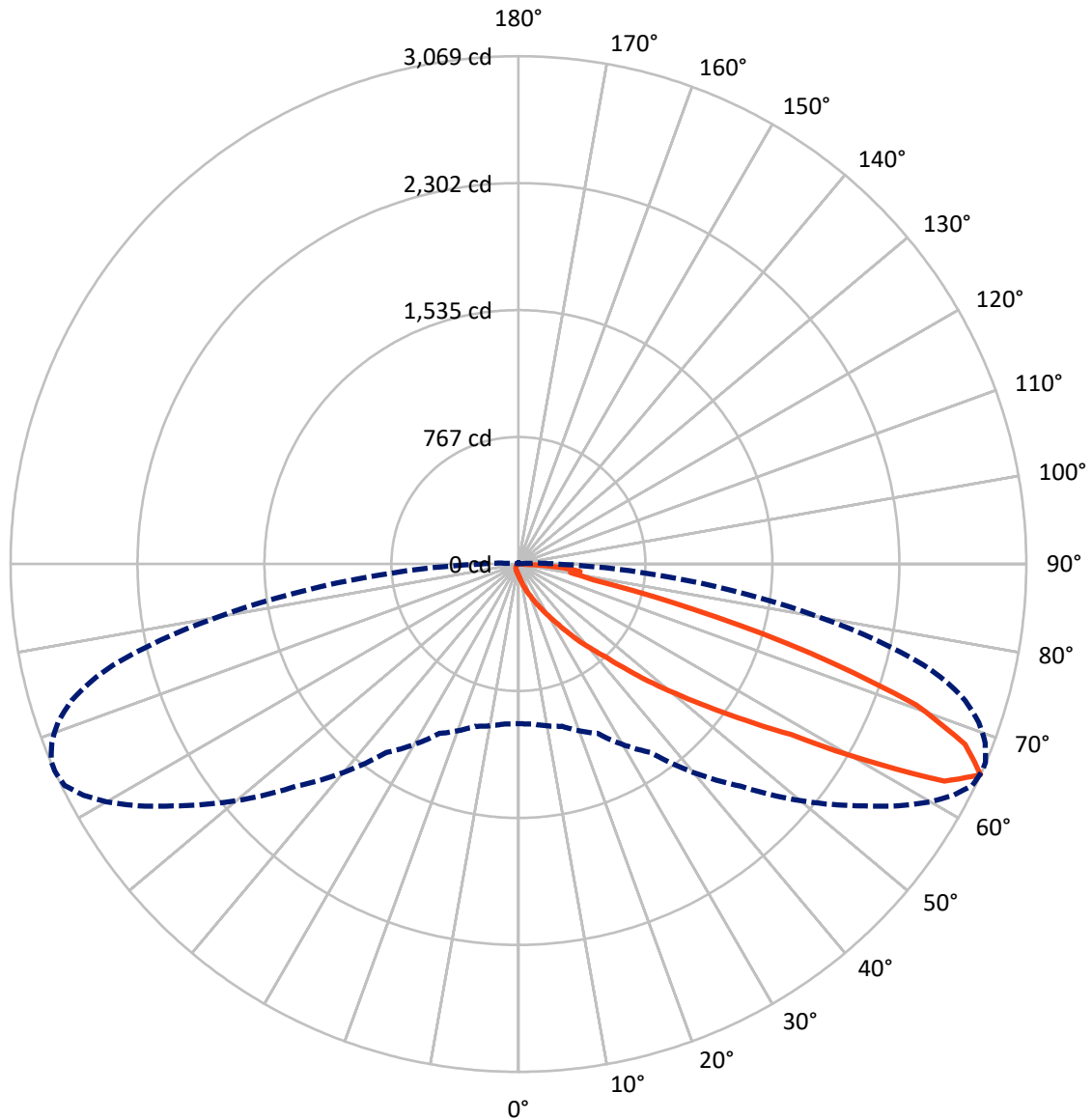


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - Non-Cutoff

REPORT NUMBER: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

Luminous Intensity Polar Plot



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

REPORT NUMBER: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

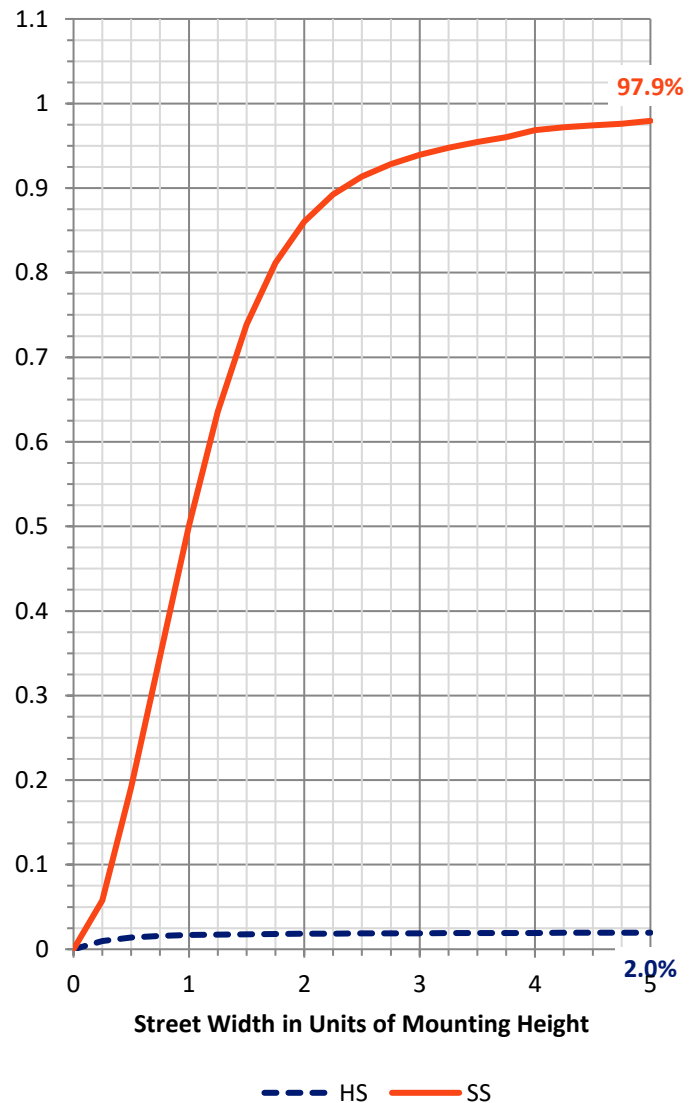
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	49.3	0.0	49.3
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	2409.1	0.0	2409.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	2458.4	0.0	2458.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.3
10°-20°	40.0	1.6
20°-30°	91.3	3.7
30°-40°	173.7	7.1
40°-50°	348.7	14.2
50°-60°	617.0	25.1
60°-70°	806.2	32.8
70°-80°	331.5	13.5
80°-90°	41.7	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°	2458.4	100.0
0°-180°	2458.4	100.0



REPORT NUMBER: P155244

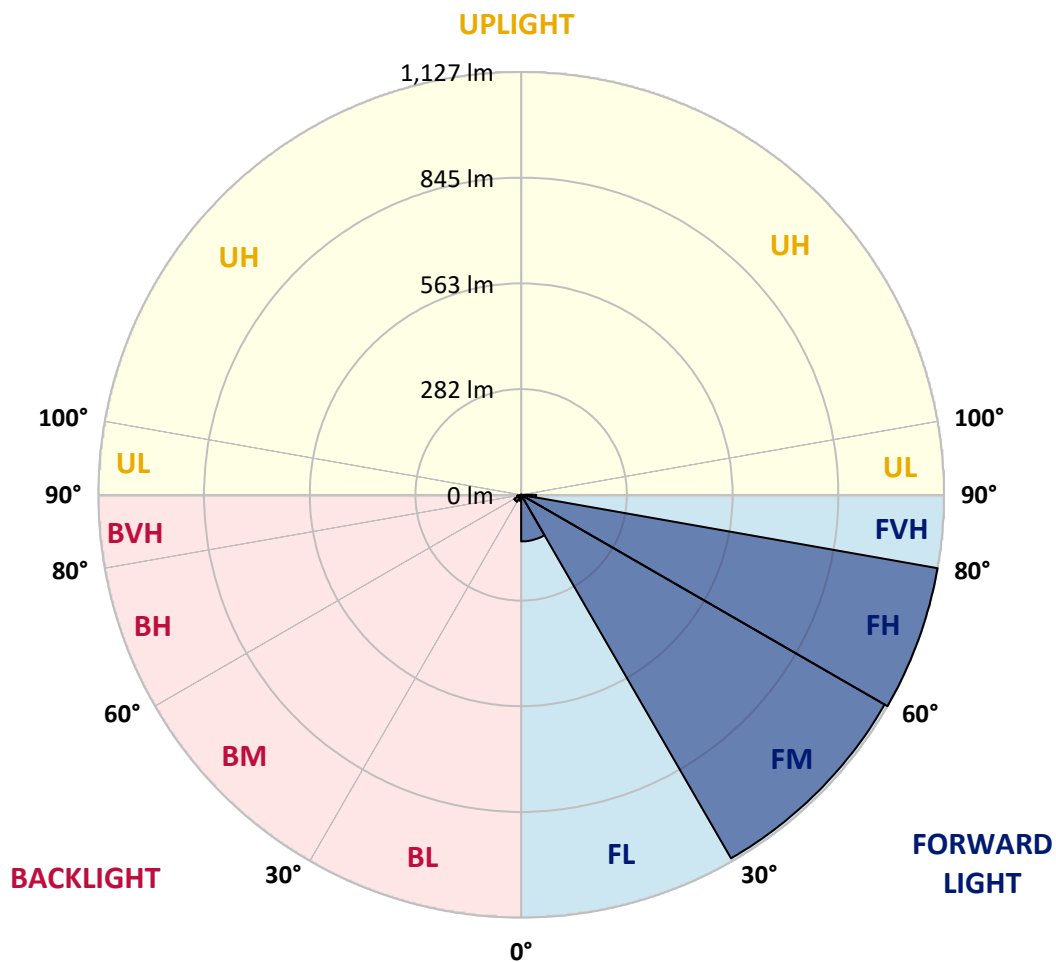
CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.2	5.1			
FM	(30°-60°)	1118.3	45.5			
FH	(60°-80°)	1126.7	45.8			G1/1800
FVH	(80°-90°)	39.9	1.6			G1/100
BL	(0°-30°)	15.4	0.6	B0/110		
BM	(30°-60°)	21.1	0.9	B0/220		
BH	(60°-80°)	10.9	0.4	B0/110		G0/110
BVH	(80°-90°)	1.9	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: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	90.5	89.0	89.5	86.5	84.4	81.9	79.9	79.4	78.9	77.9	78.4
5°	130.2	128.7	125.2	119.1	113.6	105.1	96.5	96.0	94.5	93.0	92.0
7.5°	181.0	178.4	174.4	164.4	150.8	135.7	118.6	117.1	115.1	113.1	111.1
10°	239.8	238.3	230.7	219.2	198.6	173.9	145.3	143.8	139.2	136.7	134.7
12.5°	301.6	295.1	292.0	271.9	248.3	214.6	177.9	172.4	168.9	165.4	160.3
15°	348.3	349.4	342.3	326.2	298.6	259.4	213.6	207.6	202.6	196.0	190.0
17.5°	390.6	388.6	381.0	371.0	344.8	305.1	251.8	243.8	235.7	232.2	223.7
20°	424.7	423.7	417.7	408.2	388.1	349.9	292.0	285.5	276.5	270.4	260.9
22.5°	451.9	451.9	448.4	442.8	423.2	392.6	334.8	327.7	318.7	311.1	300.6
25°	473.5	473.0	473.5	471.0	457.9	429.8	378.5	370.5	362.9	353.9	343.8
27.5°	498.1	499.1	498.1	496.6	491.1	468.5	422.7	417.2	408.7	399.1	389.1
30°	536.3	533.3	532.8	531.8	525.3	511.2	468.5	461.9	455.4	448.9	441.8
32.5°	576.6	571.5	570.0	570.0	565.5	552.9	521.3	517.7	508.2	503.2	497.1
35°	622.3	620.3	618.3	618.8	616.8	603.7	577.6	578.6	575.5	565.5	559.5
37.5°	689.2	689.7	686.1	679.6	679.6	668.0	653.0	650.9	643.4	640.9	637.4
40°	784.7	782.1	779.1	769.6	766.1	746.5	732.4	727.4	721.3	720.8	716.8
42.5°	895.2	892.2	892.2	885.2	878.2	854.5	827.9	824.4	817.8	819.8	818.3
45°	997.8	1000.3	1003.8	1008.8	1009.8	999.8	961.1	956.6	953.0	951.0	949.5
47.5°	1086.3	1090.8	1102.3	1124.0	1151.6	1155.1	1124.5	1112.4	1109.9	1106.4	1103.3
50°	1149.6	1156.1	1182.3	1224.5	1278.3	1311.4	1294.9	1284.8	1284.3	1274.8	1273.7
52.5°	1185.8	1192.8	1235.5	1299.4	1382.8	1447.7	1468.3	1467.8	1466.8	1458.2	1454.7
55°	1193.8	1201.4	1252.6	1339.6	1458.7	1570.8	1649.7	1651.7	1656.3	1653.8	1653.8
57.5°	1171.7	1181.3	1237.1	1344.6	1498.4	1668.3	1840.7	1852.3	1857.8	1877.4	1900.1
60°	1131.0	1138.0	1193.8	1314.0	1505.5	1757.3	2089.1	2125.8	2154.4	2193.1	2229.8
62.5°	1055.6	1069.7	1122.9	1253.6	1484.4	1859.9	2385.6	2453.5	2509.3	2568.1	2639.0
65°	964.1	970.1	1015.4	1129.5	1389.9	1899.1	2549.5	2615.9	2687.2	2750.1	2813.4
67.5°	849.5	854.5	893.7	942.5	1147.1	1715.6	2388.1	2461.5	2525.9	2577.7	2660.6
70°	556.4	567.5	663.5	711.8	801.7	1268.2	1952.8	2023.7	2073.0	2108.2	2204.2
72.5°	407.7	414.7	453.4	552.9	575.0	749.5	1374.3	1451.2	1469.3	1535.6	1580.4
75°	248.8	266.4	353.9	473.5	560.5	513.2	823.4	860.6	902.3	950.5	993.3
77.5°	50.3	57.3	115.6	326.2	493.1	548.4	491.6	498.6	519.3	523.8	539.9
80°	8.0	8.5	15.1	140.7	285.5	443.3	491.6	485.1	473.5	465.5	457.4
82.5°	3.5	4.0	6.5	35.7	60.8	147.8	425.3	458.4	496.6	517.7	523.3
85°	1.5	1.5	2.5	7.0	9.0	10.1	71.9	95.0	169.4	225.2	259.4
87.5°	1.0	1.0	1.5	1.5	2.0	2.5	3.5	3.5	4.0	4.5	6.5
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: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	78.4	77.9	77.9	76.4	76.4	75.9	75.9	75.4	75.4	74.4	74.9
5°	91.5	90.5	89.5	88.0	87.5	86.5	85.5	83.9	83.4	82.4	81.9
7.5°	109.1	108.1	106.1	103.0	101.0	99.0	97.0	95.0	93.5	92.0	91.0
10°	130.7	127.7	126.7	120.6	118.1	114.1	111.6	109.6	106.6	104.1	102.5
12.5°	156.8	154.3	149.3	141.2	137.2	133.7	129.2	125.2	122.1	117.6	114.6
15°	184.0	182.0	174.9	165.9	160.9	154.3	149.8	145.8	139.2	136.2	130.7
17.5°	218.2	212.1	205.1	192.0	185.5	180.0	171.9	165.9	161.9	152.8	147.8
20°	253.3	246.8	237.8	223.2	214.1	205.6	199.1	191.0	182.5	176.4	167.9
22.5°	293.6	283.0	276.0	257.9	247.3	238.3	227.2	218.7	210.1	200.6	191.0
25°	336.3	325.7	317.2	296.6	285.5	276.5	263.4	251.3	240.8	230.2	219.2
27.5°	381.0	371.5	361.9	340.8	331.3	318.7	306.6	292.5	279.0	269.4	254.3
30°	432.8	424.7	414.2	391.6	381.0	367.9	355.4	338.8	325.7	312.7	298.1
32.5°	488.6	482.1	471.0	450.9	438.3	427.3	413.7	397.6	379.0	365.4	348.3
35°	556.4	545.4	538.9	519.8	510.2	498.1	484.1	470.0	450.4	431.3	416.7
37.5°	633.9	628.8	620.3	602.2	595.2	582.6	573.5	559.5	544.4	520.3	504.7
40°	713.3	709.8	702.2	684.1	677.1	668.5	658.0	644.4	626.3	613.8	590.6
42.5°	814.3	808.8	802.8	785.7	772.1	761.5	757.0	745.4	726.3	710.3	692.2
45°	942.5	940.0	931.9	914.8	901.3	894.2	887.2	867.6	855.0	838.9	826.4
47.5°	1097.3	1089.3	1085.2	1066.1	1061.6	1056.1	1038.0	1026.9	1008.8	996.3	980.7
50°	1264.7	1256.2	1256.7	1233.5	1234.5	1230.5	1216.9	1203.9	1188.3	1177.2	1167.7
52.5°	1444.7	1448.7	1438.6	1445.7	1437.6	1428.6	1426.1	1410.0	1396.4	1395.9	1382.8
55°	1665.8	1659.3	1661.8	1668.8	1657.8	1667.8	1662.8	1642.2	1642.7	1646.7	1631.6
57.5°	1903.6	1913.1	1933.7	1938.3	1957.4	1944.3	1978.5	1953.8	1968.9	1968.9	1958.9
60°	2252.4	2290.6	2340.4	2379.1	2414.8	2403.2	2448.0	2419.8	2439.9	2422.8	2414.3
62.5°	2672.7	2723.4	2782.2	2845.1	2881.3	2890.3	2883.8	2896.3	2876.7	2864.2	2831.5
65°	2874.7	2925.0	2976.3	3051.7	3061.7	3069.3	3066.2	3045.1	3021.0	2985.3	2942.6
67.5°	2706.8	2777.2	2805.9	2892.8	2922.0	2911.4	2914.9	2887.8	2850.1	2814.9	2752.1
70°	2244.4	2324.8	2339.9	2464.6	2499.2	2549.5	2531.4	2523.4	2482.1	2452.5	2383.1
72.5°	1634.2	1697.0	1692.0	1832.2	1826.2	1846.8	1895.5	1893.5	1850.3	1840.7	1782.4
75°	1005.8	1043.5	1041.5	1141.0	1099.3	1093.3	1106.9	1100.8	1060.1	1017.9	981.7
77.5°	532.8	549.9	531.8	502.2	499.1	465.5	455.9	455.4	424.2	386.0	357.9
80°	448.9	431.3	410.2	366.9	341.8	319.2	298.1	278.5	257.4	229.2	195.0
82.5°	524.3	515.7	500.7	446.4	420.2	375.0	341.3	309.6	270.9	241.8	198.0
85°	255.4	254.8	266.9	261.4	251.8	249.8	216.6	209.6	194.0	177.9	148.8
87.5°	7.0	5.0	6.0	5.0	6.0	6.5	4.5	10.6	6.5	6.0	7.0
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: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	74.4	73.9	73.4	73.4	72.9	72.9	72.4	71.9	71.9	71.4	71.4
5°	80.9	79.9	79.4	78.9	77.9	77.4	76.4	75.9	74.9	74.4	73.4
7.5°	89.0	88.0	86.0	84.9	83.4	82.9	80.4	79.4	78.4	77.4	75.9
10°	99.0	96.5	94.5	92.5	90.0	88.0	86.0	84.4	82.4	79.9	78.9
12.5°	111.6	108.1	105.1	101.5	98.5	95.5	92.0	89.5	86.5	83.9	81.4
15°	125.7	120.6	116.6	111.6	106.6	103.0	99.5	96.0	92.0	88.5	85.5
17.5°	141.8	135.2	129.7	123.7	118.1	113.1	107.1	102.5	98.0	93.0	89.0
20°	158.8	152.3	144.8	138.2	130.2	124.7	117.1	111.1	104.6	99.5	94.0
22.5°	181.5	172.9	163.4	154.3	145.8	137.2	129.2	121.6	113.6	106.1	100.5
25°	208.1	197.5	185.5	176.4	164.4	154.8	144.8	135.2	126.7	117.1	108.1
27.5°	241.3	227.2	214.1	201.6	188.5	176.4	163.4	152.3	140.7	129.7	119.6
30°	280.0	266.4	246.8	232.7	219.7	203.1	190.0	175.4	162.4	146.3	135.2
32.5°	331.3	313.7	293.1	274.5	257.4	238.8	220.7	202.1	185.0	170.4	153.8
35°	398.1	377.5	352.9	329.2	310.1	287.5	264.4	243.3	223.7	202.6	182.0
37.5°	482.6	463.5	436.8	408.2	382.5	355.4	331.3	301.6	275.5	249.8	223.7
40°	566.5	548.9	521.3	490.6	457.4	426.3	395.6	361.9	328.7	296.6	269.4
42.5°	670.0	643.9	614.3	579.6	547.4	510.2	472.0	433.3	393.6	354.9	316.2
45°	800.2	780.1	738.4	701.2	663.0	619.3	572.0	527.8	477.0	431.3	380.0
47.5°	958.6	922.4	891.7	857.5	809.8	767.6	707.2	655.0	591.6	530.8	469.5
50°	1145.6	1125.5	1084.7	1042.0	990.2	940.0	881.2	805.8	729.9	665.0	581.1
52.5°	1364.2	1335.6	1309.9	1265.7	1212.9	1148.6	1081.7	999.8	906.8	815.3	725.8
55°	1623.6	1603.5	1578.9	1543.7	1476.3	1403.4	1323.0	1225.0	1114.9	991.8	887.7
57.5°	1958.4	1937.3	1913.6	1841.3	1795.5	1706.0	1589.4	1487.9	1369.3	1211.4	1082.2
60°	2415.3	2386.6	2353.5	2294.7	2199.1	2083.0	1957.9	1807.6	1662.3	1489.9	1320.5
62.5°	2805.9	2760.1	2689.2	2613.3	2498.7	2365.5	2208.2	2031.3	1865.9	1671.9	1483.4
65°	2886.3	2823.5	2740.0	2641.0	2522.9	2372.6	2208.2	2038.8	1844.3	1661.8	1472.3
67.5°	2677.2	2604.3	2518.8	2408.3	2295.7	2140.8	1999.1	1826.7	1643.7	1485.9	1316.5
70°	2333.4	2225.3	2137.8	2020.2	1906.1	1784.5	1635.2	1506.0	1357.2	1211.9	1082.2
72.5°	1752.3	1645.7	1566.3	1472.3	1404.4	1275.8	1166.2	1069.7	981.7	873.1	777.1
75°	944.5	864.6	811.3	768.6	707.7	622.8	570.5	504.2	467.0	421.7	378.0
77.5°	308.1	271.4	231.7	193.0	165.9	124.7	120.6	96.0	90.5	88.0	67.9
80°	157.8	121.6	88.0	63.3	48.3	42.7	40.7	38.7	36.7	35.2	32.7
82.5°	158.3	114.6	78.9	54.8	39.7	33.2	31.2	30.2	28.7	27.1	25.1
85°	115.6	85.5	58.8	40.2	27.6	22.1	21.1	19.6	18.6	18.1	16.1
87.5°	7.5	5.5	5.0	4.5	4.5	4.5	5.0	4.5	5.0	5.0	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



REPORT NUMBER: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	70.9	70.4	70.4	69.9	69.4	69.4	68.9	68.9	67.4	64.8	62.8
5°	72.9	71.9	71.4	70.9	70.4	69.4	68.9	68.4	65.8	60.8	56.8
7.5°	74.4	73.4	72.9	71.9	70.4	69.9	68.9	67.9	63.8	56.8	52.3
10°	76.9	75.4	73.9	72.4	70.9	69.9	68.4	67.4	61.3	53.3	48.8
12.5°	79.4	77.4	75.4	72.9	71.4	69.9	68.4	66.4	59.3	50.3	45.2
15°	82.4	79.4	76.9	74.4	71.9	69.9	67.4	65.8	57.3	47.8	43.2
17.5°	85.5	81.9	78.4	74.9	72.4	69.4	67.4	64.8	55.3	45.7	40.7
20°	89.0	83.9	80.4	76.4	72.9	69.4	66.4	63.8	53.3	43.2	38.2
22.5°	94.0	88.0	82.4	77.9	73.4	69.9	66.4	62.8	51.3	41.2	36.2
25°	100.5	93.0	86.5	80.9	75.4	70.9	66.9	63.3	49.8	39.7	33.7
27.5°	110.1	100.5	93.5	86.0	78.9	73.4	68.4	64.3	48.8	38.2	32.2
30°	121.6	112.1	101.0	92.0	84.4	76.9	71.4	65.3	47.8	36.7	30.2
32.5°	138.7	125.2	112.1	101.0	90.5	81.9	73.9	67.9	47.3	34.2	28.1
35°	163.4	144.8	129.2	114.6	100.0	89.5	79.9	71.9	46.7	32.2	26.1
37.5°	198.6	176.4	156.3	135.7	117.6	102.5	89.5	78.9	46.7	30.7	24.1
40°	236.3	207.6	182.0	156.3	133.2	114.1	96.5	83.4	45.7	28.7	22.1
42.5°	279.0	243.8	208.6	176.9	148.3	123.7	103.0	87.0	43.2	26.6	20.1
45°	336.3	290.0	247.8	207.1	169.9	137.7	111.6	91.0	40.7	25.1	18.1
47.5°	408.2	354.4	299.6	248.3	199.6	158.8	124.2	97.5	39.2	23.1	16.6
50°	515.2	438.8	366.4	301.1	239.3	186.0	142.8	107.1	37.7	21.6	15.1
52.5°	632.9	538.9	453.9	370.0	293.1	222.7	164.4	119.6	36.2	20.1	13.6
55°	776.1	660.5	556.9	447.9	349.4	265.4	191.0	133.7	34.2	18.6	12.6
57.5°	953.0	806.8	684.1	550.9	427.3	320.7	226.7	157.3	32.2	16.6	11.1
60°	1150.6	985.2	830.9	674.6	524.8	394.1	279.5	191.0	30.2	14.6	9.6
62.5°	1292.8	1111.4	935.0	759.5	595.2	448.9	322.2	217.2	27.1	12.6	8.5
65°	1291.3	1107.4	929.9	757.0	597.2	450.9	323.7	222.2	24.1	11.1	7.5
67.5°	1150.6	995.8	837.4	682.1	542.4	410.2	299.6	206.1	20.6	10.1	6.5
70°	946.5	823.4	698.2	575.0	463.0	351.4	258.9	179.5	17.6	9.0	5.5
72.5°	691.2	601.2	524.8	437.8	361.4	277.5	206.6	140.7	14.1	7.5	5.0
75°	343.3	307.1	263.4	236.3	201.6	164.9	128.2	81.9	11.6	6.0	4.5
77.5°	65.3	58.3	55.8	48.3	44.2	39.2	34.7	24.6	9.0	4.5	4.0
80°	30.2	27.6	25.1	22.6	20.1	17.1	15.1	13.1	7.0	3.5	4.5
82.5°	23.6	21.6	19.1	17.1	15.1	13.1	11.1	9.6	4.5	3.0	4.5
85°	15.6	13.6	12.1	10.6	9.0	8.0	7.0	6.0	3.0	3.0	3.0
87.5°	4.5	4.5	4.0	4.0	3.5	3.5	3.0	3.0	2.5	2.5	2.5
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: P155244

CATALOG NUMBER: AVM-F02-LED-E-U-T3-HSS-7030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	68.4	68.4	68.4	68.4	68.4	68.4	68.4
2.5°	60.8	58.3	57.3	56.8	56.8	57.3	56.8
5°	53.8	51.3	50.3	49.3	49.3	49.3	49.8
7.5°	49.3	46.7	45.2	44.7	44.2	44.7	44.7
10°	45.2	43.2	41.2	40.2	40.2	40.2	40.2
12.5°	42.2	39.7	37.7	37.2	36.7	36.7	36.7
15°	39.7	36.7	35.2	34.2	33.7	33.7	34.2
17.5°	36.7	34.2	32.2	31.7	31.7	31.7	31.7
20°	34.7	31.7	30.2	29.2	29.2	29.2	29.2
22.5°	32.2	29.7	27.6	26.6	26.6	26.6	26.6
25°	30.2	27.6	25.6	24.6	24.6	24.6	24.6
27.5°	28.1	25.6	23.6	22.6	22.6	22.6	22.6
30°	26.1	23.6	21.6	20.6	20.6	20.6	20.6
32.5°	24.6	21.6	19.6	18.6	18.6	19.1	18.6
35°	22.1	19.6	17.6	16.6	16.6	16.6	16.6
37.5°	20.1	17.6	15.6	14.6	14.6	14.6	14.1
40°	18.6	15.6	13.6	12.6	12.1	12.1	12.1
42.5°	16.1	13.1	11.6	10.6	10.1	10.1	10.1
45°	14.6	11.6	9.6	8.5	8.5	8.5	8.5
47.5°	13.1	10.1	8.0	7.0	7.0	7.5	7.5
50°	11.6	8.5	6.5	6.5	6.5	7.0	7.0
52.5°	10.1	7.5	6.0	6.0	6.5	7.0	7.0
55°	9.0	6.5	5.5	6.0	6.5	7.0	7.0
57.5°	8.0	5.5	5.5	6.0	6.5	7.0	7.0
60°	7.0	5.0	5.0	5.5	6.5	7.0	7.0
62.5°	6.0	5.0	5.0	5.5	6.5	7.0	7.0
65°	5.5	5.0	5.0	5.5	6.5	7.0	7.0
67.5°	5.0	4.5	5.0	5.5	6.0	6.5	6.5
70°	4.5	4.5	5.0	5.5	6.0	6.5	6.5
72.5°	4.5	4.5	4.5	5.0	5.5	6.0	6.0
75°	4.5	4.5	4.5	5.0	5.5	6.0	6.0
77.5°	4.5	4.0	4.0	4.5	5.5	6.0	6.0
80°	4.5	4.0	4.0	4.5	5.0	6.0	6.0
82.5°	3.5	3.5	4.0	4.5	5.0	5.5	5.5
85°	3.0	3.5	3.5	4.0	4.5	5.5	5.5
87.5°	2.5	2.5	3.0	3.5	4.0	4.5	4.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)