

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: P154213

Luminaire Tested: **AVM-F03-LED-E-U-T2-HSS-8030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154213
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-F03-LED-E-U-T2-HSS-8030
Description: VISION SITE MEDIUM LED LUMINAIRE
(3) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (21) 3000K CCT, 80 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3347.1 lumens
Efficiency: N/A
Efficacy: 42.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G1

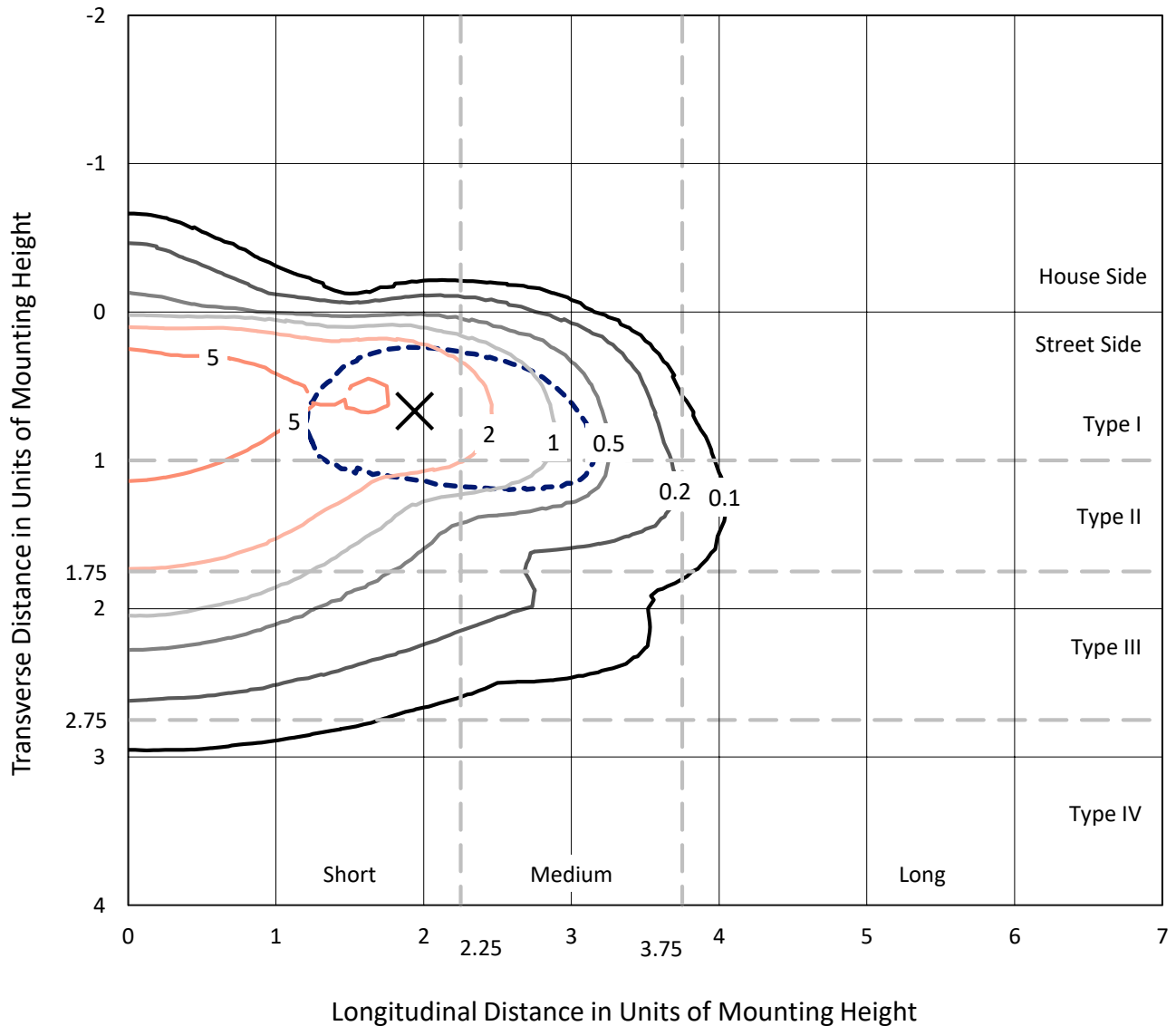
Input Watts (W): 78.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P154213
 CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

Iso-Footcandle Lines of Horizontal Illumination

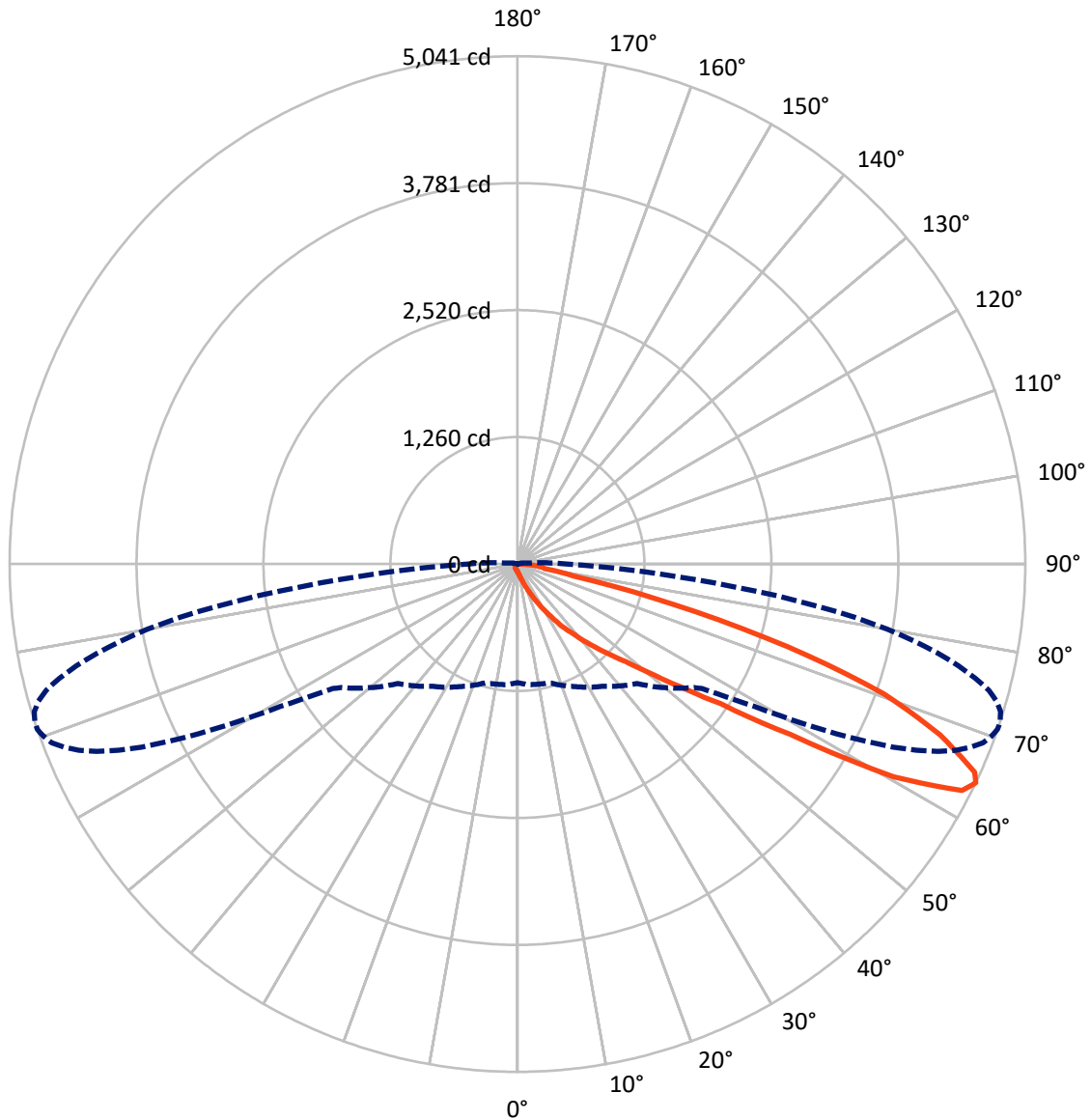
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 fc
 Type II - Short - Non-Cutoff

REPORT NUMBER: P154213
CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

Luminous Intensity Polar Plot



— Vertical Plane Through 71-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P154213

CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

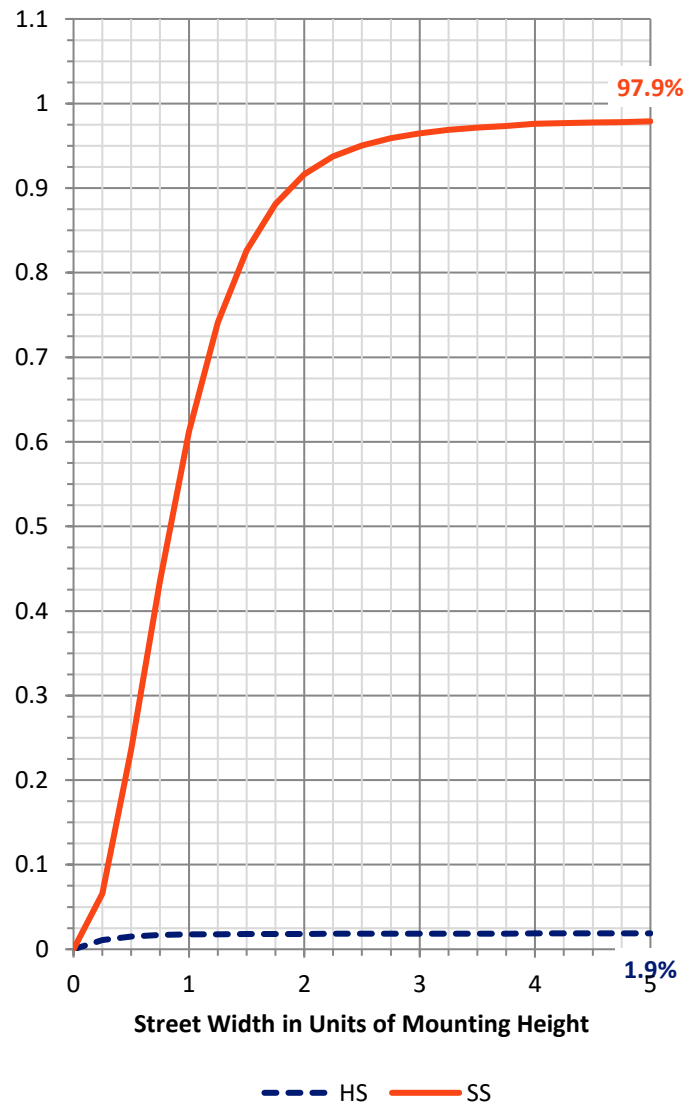
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	64.1	0.0	64.1
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	3283.0	0.0	3283.0
	% Fixture	98.1	0.0	98.1
Total	Lumens	3347.1	0.0	3347.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	10.3	0.3
10°-20°	60.5	1.8
20°-30°	154.6	4.6
30°-40°	312.6	9.3
40°-50°	571.5	17.1
50°-60°	890.4	26.6
60°-70°	989.7	29.6
70°-80°	322.8	9.6
80°-90°	34.7	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°	3347.1	100.0
0°-180°	3347.1	100.0

Coefficient of Utilization



REPORT NUMBER: P154213

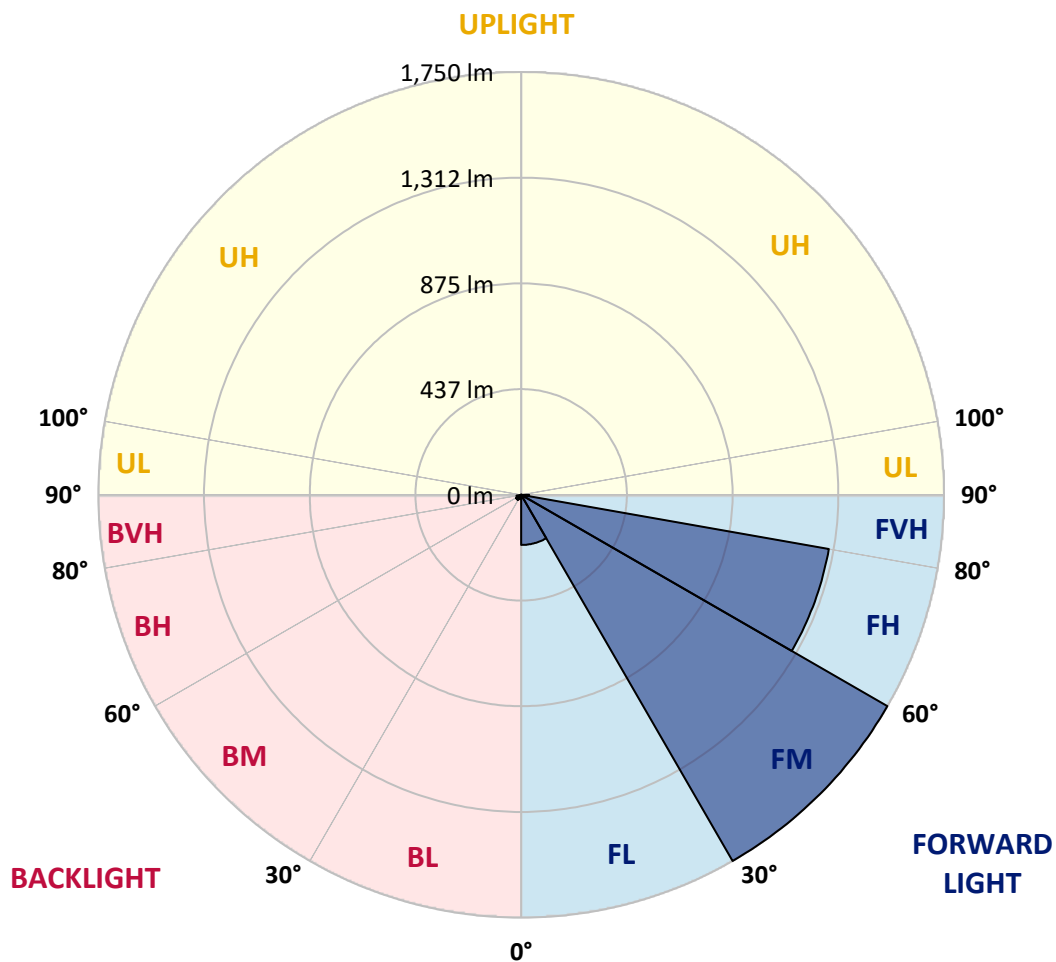
CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.5	6.2			
FM	(30°-60°)	1749.8	52.3			
FH	(60°-80°)	1292.7	38.6			G1/1800
FVH	(80°-90°)	33.1	1.0			G1/100
BL	(0°-30°)	17.8	0.5	B0/110		
BM	(30°-60°)	24.8	0.7	B0/220		
BH	(60°-80°)	19.8	0.6	B0/110		G0/110
BVH	(80°-90°)	1.7	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





REPORT NUMBER: P154213
 CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	100.3	98.9	98.9	96.8	94.1	91.3	88.5	87.8	87.1	86.4	86.4
5°	157.5	151.9	149.8	142.1	132.4	120.5	110.1	107.3	107.3	105.2	103.8
7.5°	247.3	244.6	229.9	222.3	199.3	170.7	140.7	138.0	137.3	134.5	130.3
10°	362.3	356.7	346.3	324.0	282.2	232.7	190.2	183.2	178.4	172.8	167.2
12.5°	477.3	470.3	455.0	418.7	376.9	313.5	245.3	239.0	231.3	223.7	214.6
15°	592.2	587.3	563.7	527.4	473.1	397.1	310.7	299.6	293.3	278.0	271.0
17.5°	691.9	685.6	666.8	625.7	569.2	485.6	383.2	369.3	358.8	349.8	333.0
20°	778.3	772.0	753.9	719.7	656.3	574.1	461.2	454.3	435.5	421.5	411.8
22.5°	831.2	829.1	817.3	784.5	728.1	654.9	550.4	539.3	526.7	507.9	496.8
25°	864.0	861.9	854.9	831.9	793.6	739.9	648.7	634.7	623.6	606.9	592.9
27.5°	898.1	896.7	891.1	870.9	850.7	817.3	748.3	740.6	716.2	706.5	693.3
30°	954.5	948.3	953.1	943.4	917.6	896.7	848.6	837.5	827.0	810.3	798.5
32.5°	1044.4	1034.0	1044.4	1034.0	1022.8	997.7	951.7	948.3	937.8	927.4	910.6
35°	1154.5	1150.3	1158.7	1167.7	1158.7	1125.2	1069.5	1059.0	1054.9	1038.1	1031.9
37.5°	1265.3	1272.9	1288.3	1308.5	1302.9	1278.5	1199.8	1190.0	1182.4	1167.7	1156.6
40°	1384.4	1385.1	1417.9	1447.1	1461.8	1447.1	1343.3	1335.6	1325.2	1304.3	1301.5
42.5°	1514.0	1508.4	1532.8	1565.6	1595.5	1615.7	1532.8	1518.2	1503.6	1479.9	1463.8
45°	1629.0	1629.0	1648.5	1679.1	1725.1	1776.0	1732.8	1717.5	1703.5	1684.0	1665.9
47.5°	1714.0	1714.7	1726.5	1771.1	1842.9	1918.8	1920.2	1923.0	1912.5	1889.5	1890.2
50°	1773.9	1766.2	1782.2	1825.4	1908.4	2027.5	2113.2	2118.1	2126.4	2107.6	2113.2
52.5°	1817.8	1814.3	1824.8	1861.0	1943.9	2089.5	2271.4	2292.3	2304.8	2307.6	2330.6
55°	1794.8	1796.9	1822.0	1874.2	1963.4	2130.6	2405.8	2440.0	2469.2	2494.3	2522.9
57.5°	1718.8	1725.1	1769.0	1850.5	1967.6	2164.1	2548.7	2600.9	2656.0	2722.8	2779.3
60°	1597.6	1612.2	1671.5	1785.7	1927.2	2120.2	2591.2	2671.3	2755.6	2857.3	2970.9
62.5°	1419.9	1422.7	1461.8	1572.5	1728.6	1886.8	2396.1	2498.5	2610.0	2757.0	2915.8
64°	1176.8	1201.9	1220.0	1341.9	1481.3	1678.4	2138.3	2209.3	2364.7	2545.2	2745.1
65°	971.2	1001.2	1015.8	1137.8	1297.3	1485.4	1913.9	1989.9	2153.6	2336.9	2586.3
67.5°	572.7	552.5	595.0	666.8	800.5	1023.5	1291.1	1348.9	1470.8	1688.9	1888.2
70°	369.3	369.3	408.3	481.4	605.5	776.2	886.9	862.6	888.3	972.6	1113.4
72.5°	236.9	249.4	273.1	335.1	450.1	650.8	906.5	791.5	731.6	703.7	702.3
75°	108.0	115.0	140.7	177.7	240.4	424.3	914.1	864.0	808.9	756.0	714.9
77.5°	23.0	26.5	44.6	92.0	117.1	195.8	648.7	723.9	783.8	801.2	801.2
80°	11.8	12.5	18.8	43.2	50.2	66.2	250.1	328.9	405.5	506.5	612.4
82.5°	4.9	5.6	11.1	19.5	20.9	20.2	66.2	83.6	115.0	167.2	249.4
85°	1.4	1.4	4.9	7.7	11.1	9.1	14.6	16.7	21.6	31.4	59.9
87.5°	0.0	0.0	0.7	1.4	2.1	3.5	4.2	4.2	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: P154213

CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	85.7	85.7	85.0	84.3	84.3	82.9	82.9	82.2	82.2	81.5	81.5
5°	103.1	101.7	100.3	98.2	97.5	96.1	94.8	93.4	92.0	91.3	89.9
7.5°	128.2	126.8	122.6	119.8	116.4	114.3	111.5	109.4	107.3	105.9	103.1
10°	161.6	156.8	154.7	144.9	142.8	138.0	133.8	131.0	125.4	121.9	118.4
12.5°	209.0	200.0	196.5	179.8	174.9	167.9	163.0	156.1	149.8	145.6	139.3
15°	262.7	255.7	242.5	225.7	216.7	209.0	197.2	191.6	183.2	174.2	165.1
17.5°	326.8	314.2	299.6	278.0	266.8	255.0	243.9	232.0	218.1	209.7	200.0
20°	401.3	388.1	370.0	342.8	329.6	317.7	298.2	289.8	273.1	256.4	243.9
22.5°	482.8	469.6	452.2	421.5	404.1	384.6	368.6	353.9	334.4	317.7	303.1
25°	574.8	559.5	546.2	510.7	489.1	468.9	451.5	425.7	409.0	389.5	369.3
27.5°	679.3	661.2	643.8	604.8	584.6	562.3	541.4	514.2	498.2	466.1	447.3
30°	786.6	764.3	746.2	706.5	688.4	665.4	636.8	612.4	585.3	563.7	533.0
32.5°	899.5	881.4	866.7	824.9	801.9	773.4	747.6	721.8	698.1	663.3	635.4
35°	1020.0	1004.0	988.0	951.7	931.5	909.9	880.7	849.3	816.6	780.3	755.3
37.5°	1146.8	1134.3	1121.7	1077.8	1054.2	1031.2	997.7	966.4	937.1	898.8	856.3
40°	1279.9	1268.1	1247.9	1211.6	1186.5	1165.6	1135.0	1105.7	1066.0	1023.5	985.9
42.5°	1447.1	1421.3	1403.9	1364.2	1337.7	1314.7	1287.6	1243.7	1210.2	1159.4	1123.1
45°	1642.9	1618.5	1590.0	1549.5	1516.8	1479.2	1440.8	1410.9	1369.1	1323.1	1276.4
47.5°	1863.1	1843.6	1810.1	1770.4	1737.7	1700.0	1654.7	1616.4	1565.6	1511.9	1448.5
50°	2105.5	2085.3	2063.0	2018.4	1985.7	1950.2	1914.6	1869.3	1823.4	1759.3	1693.8
52.5°	2330.6	2334.8	2321.5	2300.6	2284.6	2247.7	2214.9	2171.7	2131.3	2072.8	2021.9
55°	2552.8	2589.1	2603.0	2623.2	2630.2	2600.2	2599.5	2536.1	2511.7	2477.6	2448.3
57.5°	2846.2	2926.3	2989.7	3112.3	3163.9	3216.1	3225.9	3181.3	3227.3	3168.1	3188.3
60°	3095.6	3242.6	3400.1	3717.1	3875.9	3995.8	4091.9	4163.0	4209.0	4287.0	4291.2
62.5°	3117.9	3349.2	3588.9	4051.5	4268.9	4450.7	4624.2	4745.5	4841.6	4930.1	4951.7
64°	3011.3	3297.6	3588.9	4148.4	4370.6	4572.7	4730.8	4851.4	4949.6	5004.7	5040.9
65°	2817.6	3138.1	3473.2	4084.3	4313.5	4528.1	4679.3	4800.5	4893.2	4948.2	4985.8
67.5°	2087.4	2397.5	2734.0	3445.4	3806.3	4002.7	4196.4	4366.4	4441.0	4510.7	4523.9
70°	1272.2	1497.3	1729.3	2389.1	2724.2	3077.5	3295.6	3544.3	3718.5	3825.8	3861.3
72.5°	767.8	845.8	984.5	1339.1	1660.3	1908.4	2210.0	2447.6	2642.7	2750.7	2805.1
75°	683.5	673.7	691.9	839.6	953.8	1102.9	1212.3	1361.4	1482.0	1519.6	1590.0
77.5°	790.1	762.2	733.7	705.8	700.2	686.3	664.0	669.6	616.6	565.7	567.1
80°	703.7	770.6	810.3	781.0	714.9	648.0	565.7	463.3	362.3	299.6	273.1
82.5°	353.2	502.3	645.9	788.0	778.3	719.0	628.5	516.3	399.9	307.3	245.3
85°	108.7	193.0	271.7	377.6	438.2	429.9	377.6	367.2	262.0	204.1	157.5
87.5°	4.9	4.9	4.9	4.2	4.9	4.9	4.9	5.6	5.6	6.3	6.3
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: P154213

CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	81.5	80.8	80.1	79.4	79.4	79.4	78.7	78.7	78.0	78.0	77.3
5°	89.9	88.5	87.8	86.4	86.4	85.0	84.3	83.6	82.2	81.5	80.8
7.5°	101.0	99.6	97.5	95.5	94.8	92.7	90.6	89.2	87.8	86.4	85.0
10°	115.7	112.9	108.7	105.9	103.8	101.0	98.2	96.1	93.4	90.6	89.2
12.5°	134.5	128.9	124.7	119.8	115.7	111.5	106.6	103.8	101.0	96.8	94.1
15°	156.1	150.5	145.6	137.3	130.3	124.7	120.5	114.3	109.4	103.8	99.6
17.5°	193.0	178.4	168.6	160.2	153.3	142.8	134.5	127.5	121.2	114.3	109.4
20°	229.2	216.7	203.4	193.7	178.4	169.3	158.2	148.4	137.3	128.9	120.5
22.5°	282.2	266.2	249.4	234.8	213.9	201.4	186.7	174.2	160.2	146.3	137.3
25°	349.1	325.4	303.1	282.2	262.7	243.9	225.0	204.8	190.2	173.5	158.2
27.5°	419.4	393.0	371.4	344.2	319.1	296.1	272.4	250.8	225.7	204.1	186.0
30°	507.9	471.7	446.6	413.9	388.8	356.7	327.5	298.9	268.2	243.2	217.4
32.5°	597.8	573.4	530.9	503.0	465.4	427.1	396.4	363.7	326.1	293.3	262.0
35°	716.2	674.4	638.9	599.9	558.8	519.1	479.4	432.7	394.4	353.9	315.6
37.5°	820.8	778.3	737.1	686.3	639.6	597.8	549.7	501.0	455.7	407.6	361.6
40°	942.0	889.0	840.3	792.9	735.1	685.6	635.4	574.8	522.6	469.6	415.3
42.5°	1074.4	1020.7	962.9	908.5	845.1	784.5	722.5	661.9	603.4	539.3	475.9
45°	1219.3	1162.9	1098.1	1036.0	967.1	900.2	826.3	756.7	687.7	615.9	542.8
47.5°	1399.0	1326.6	1266.7	1189.3	1103.6	1033.3	942.7	863.3	784.5	700.9	618.7
50°	1631.8	1549.5	1463.1	1377.4	1282.7	1193.5	1093.2	999.1	893.9	800.5	706.5
52.5°	1940.4	1879.1	1778.8	1680.5	1564.9	1451.3	1313.3	1191.4	1056.3	937.1	822.1
55°	2378.7	2338.2	2251.2	2143.9	2042.8	1877.0	1718.1	1528.6	1353.1	1181.7	1020.0
57.5°	3172.2	3128.3	3031.5	3005.7	2850.3	2728.4	2542.4	2297.1	1999.6	1737.7	1476.4
60°	4314.9	4229.2	4134.4	4117.0	3934.5	3806.3	3621.6	3360.4	3080.3	2662.2	2306.2
62.5°	4953.1	4927.3	4850.7	4756.6	4598.5	4408.2	4200.6	3947.7	3663.4	3297.0	2873.3
64°	5038.8	5015.1	4948.9	4843.0	4684.2	4495.3	4265.4	4013.2	3728.2	3393.8	3007.1
65°	4985.1	4951.7	4895.3	4797.7	4650.0	4468.9	4237.5	3981.8	3692.7	3370.8	3011.3
67.5°	4552.5	4537.1	4485.6	4395.0	4302.3	4139.3	3935.9	3707.3	3471.1	3152.0	2857.3
70°	3865.5	3854.3	3788.8	3752.6	3599.3	3496.2	3331.8	3152.0	2943.0	2720.8	2469.9
72.5°	2865.7	2828.0	2775.1	2720.1	2616.2	2474.8	2346.6	2155.0	2047.0	1859.6	1718.1
75°	1519.6	1495.9	1413.7	1298.7	1170.5	1104.3	971.2	852.1	757.4	714.9	612.4
77.5°	525.3	478.7	432.7	381.1	302.4	238.3	190.2	151.9	119.8	105.9	88.5
80°	262.0	248.7	234.1	204.8	172.1	138.7	108.7	85.7	70.4	59.9	53.6
82.5°	212.5	188.1	167.9	147.0	117.7	96.8	76.6	62.7	51.6	45.3	39.7
85°	125.4	96.1	73.2	66.2	51.6	44.6	38.3	32.7	27.9	26.5	24.4
87.5°	4.9	6.3	6.3	4.9	6.3	5.6	5.6	4.9	4.9	4.9	4.9
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: P154213

CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	77.3	76.6	76.6	75.9	75.2	75.2	75.2	74.6	73.2	70.4	68.3
5°	80.1	79.4	78.7	77.3	76.6	75.9	75.2	75.2	71.8	66.9	63.4
7.5°	83.6	82.2	80.8	79.4	78.7	77.3	75.9	75.2	70.4	64.1	60.6
10°	87.1	85.0	82.9	82.2	80.1	78.7	76.6	75.2	69.7	62.0	57.1
12.5°	91.3	88.5	85.7	83.6	80.8	79.4	77.3	75.2	68.3	59.9	54.3
15°	96.1	92.0	88.5	86.4	83.6	80.1	77.3	75.2	66.9	57.8	51.6
17.5°	102.4	97.5	93.4	89.2	85.0	81.5	78.7	75.9	64.8	55.0	48.1
20°	112.2	105.9	98.9	94.1	88.5	84.3	79.4	75.9	63.4	52.3	45.3
22.5°	125.4	115.7	108.0	99.6	92.7	87.1	81.5	77.3	61.3	49.5	41.8
25°	144.2	131.7	119.1	108.7	99.6	92.0	85.0	79.4	59.9	47.4	39.7
27.5°	165.1	150.5	133.8	121.2	108.7	97.5	89.9	82.9	59.9	46.0	37.6
30°	194.4	173.5	153.3	137.3	120.5	108.0	96.8	87.8	59.9	45.3	35.5
32.5°	229.9	206.2	180.5	157.5	138.0	119.8	105.9	94.1	61.3	43.9	34.1
35°	279.4	244.6	213.9	185.3	159.6	138.7	120.5	104.5	63.4	43.2	32.0
37.5°	318.4	276.6	237.6	204.8	174.9	149.1	126.1	108.7	61.3	40.4	30.0
40°	365.1	317.7	270.3	229.2	195.1	161.6	135.2	114.3	59.9	36.9	27.2
42.5°	421.5	362.3	307.3	260.6	218.1	178.4	147.0	121.2	59.9	34.8	25.1
45°	474.5	409.7	348.4	289.8	240.4	196.5	158.2	128.9	59.2	32.7	22.3
47.5°	540.0	463.3	391.6	324.0	266.8	213.2	170.0	135.9	58.5	30.7	20.2
50°	617.3	523.9	443.1	362.3	292.6	233.4	183.9	143.5	57.1	28.6	18.1
52.5°	703.0	602.7	499.6	406.2	324.7	255.0	197.2	150.5	55.0	26.5	16.0
55°	854.9	716.9	595.0	479.4	373.5	287.1	216.7	160.9	53.0	24.4	13.9
57.5°	1219.3	990.8	818.0	643.8	491.9	368.6	269.6	190.9	50.2	21.6	11.1
60°	1914.6	1537.7	1244.4	976.1	744.1	565.7	397.1	282.2	53.6	18.1	9.8
62.5°	2456.0	2022.6	1649.2	1312.6	1019.3	774.8	578.3	421.5	77.3	16.0	7.7
64°	2597.4	2158.5	1760.0	1407.4	1102.2	850.0	645.2	476.6	99.6	16.0	7.0
65°	2618.3	2200.3	1799.7	1442.2	1130.8	870.2	664.7	494.7	108.7	16.7	6.3
67.5°	2531.9	2175.9	1811.5	1456.9	1152.4	898.1	691.2	523.2	122.6	16.0	4.9
70°	2211.4	1949.5	1649.9	1362.8	1086.9	853.5	664.7	507.2	128.2	15.3	4.2
72.5°	1504.9	1324.5	1147.5	944.1	756.7	623.6	484.9	357.4	89.9	12.5	3.5
75°	501.6	489.1	437.5	331.6	278.7	226.4	181.2	139.3	34.1	7.7	3.5
77.5°	83.6	71.8	62.7	59.9	50.2	48.8	42.5	34.1	14.6	4.9	3.5
80°	48.8	44.6	39.0	34.8	30.7	27.2	23.0	19.5	9.1	3.5	4.2
82.5°	36.2	32.0	28.6	25.1	21.6	18.8	16.0	13.2	4.9	3.5	4.2
85°	20.9	18.1	16.0	13.9	11.1	9.8	8.4	7.0	3.5	3.5	3.5
87.5°	4.2	4.2	3.5	3.5	3.5	3.5	3.5	2.8	3.5	3.5	2.8
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: P154213

CATALOG NUMBER: AVM-F03-LED-E-U-T2-HSS-8030

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	74.6	74.6	74.6	74.6	74.6	74.6	74.6
2.5°	66.9	64.8	64.1	64.1	64.1	64.1	64.1
5°	61.3	59.2	57.8	57.1	57.1	57.1	57.1
7.5°	57.1	54.3	53.0	51.6	51.6	50.9	50.9
10°	53.0	50.2	48.1	46.7	46.0	46.0	46.0
12.5°	49.5	46.7	43.9	42.5	42.5	41.8	41.8
15°	46.7	42.5	40.4	39.0	39.0	38.3	38.3
17.5°	43.2	39.7	37.6	36.2	35.5	35.5	35.5
20°	39.7	36.2	34.1	33.4	32.7	32.7	32.0
22.5°	36.9	33.4	31.4	30.7	30.0	30.0	29.3
25°	34.1	30.7	28.6	27.9	27.2	26.5	26.5
27.5°	32.0	28.6	26.5	25.1	24.4	23.7	23.7
30°	30.0	25.8	23.7	22.3	21.6	20.9	20.9
32.5°	27.9	23.7	20.9	19.5	18.8	18.1	18.1
35°	25.1	20.9	18.1	17.4	16.7	16.0	15.3
37.5°	23.0	18.1	16.0	14.6	13.9	13.2	13.2
40°	20.2	16.0	13.9	12.5	11.1	10.5	10.5
42.5°	18.1	13.9	11.8	9.8	9.1	8.4	8.4
45°	16.0	12.5	9.8	7.7	7.0	6.3	6.3
47.5°	13.9	10.5	7.7	6.3	5.6	4.9	4.9
50°	11.8	8.4	5.6	4.2	4.9	4.2	4.2
52.5°	10.5	6.3	4.2	4.2	4.2	4.2	4.2
55°	8.4	4.9	3.5	3.5	4.2	4.2	4.2
57.5°	7.0	3.5	2.8	3.5	3.5	3.5	3.5
60°	4.9	2.8	2.8	3.5	3.5	3.5	3.5
62.5°	4.2	2.8	2.8	2.8	3.5	3.5	3.5
64°	3.5	2.8	2.8	2.8	3.5	3.5	3.5
65°	3.5	2.8	2.8	2.8	3.5	3.5	3.5
67.5°	3.5	2.8	2.8	2.8	3.5	3.5	3.5
70°	2.8	2.8	2.8	2.8	3.5	3.5	3.5
72.5°	2.8	2.8	2.8	2.8	3.5	3.5	3.5
75°	2.8	2.8	2.8	2.8	3.5	3.5	3.5
77.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5
80°	2.8	2.8	2.8	3.5	3.5	3.5	3.5
82.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5
85°	2.8	2.8	2.8	3.5	3.5	3.5	3.5
87.5°	2.8	2.8	2.8	3.5	3.5	3.5	3.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)