

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: P155277

Luminaire Tested: **AVM-F05-LED-E-U-T3-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155277
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-F05-LED-E-U-T3-HSS-7060
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (35) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6905 lumens
Efficiency: N/A
Efficacy: 51.8 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type III - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

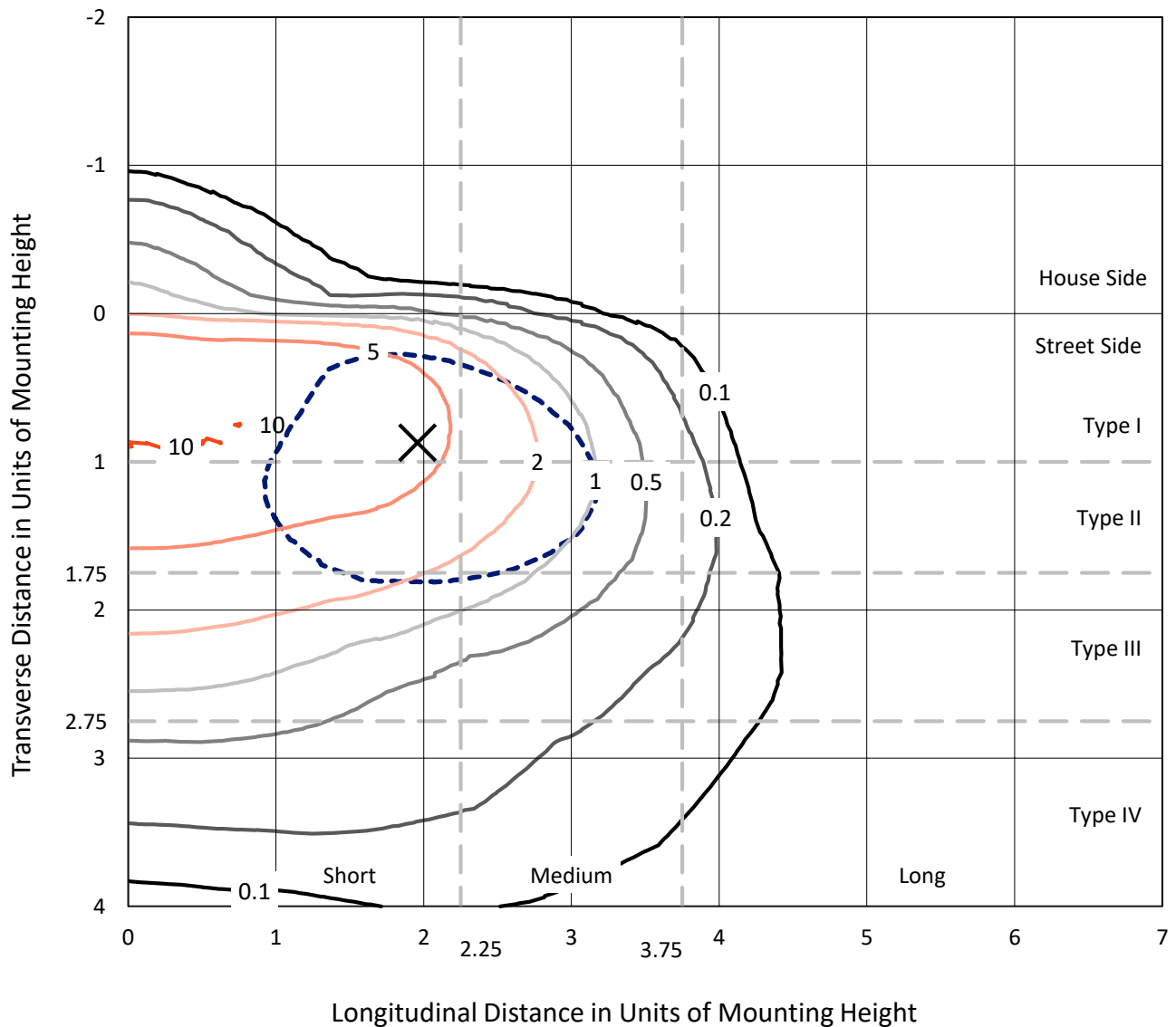
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P155277
 CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

Iso-Footcandle Lines of Horizontal Illumination

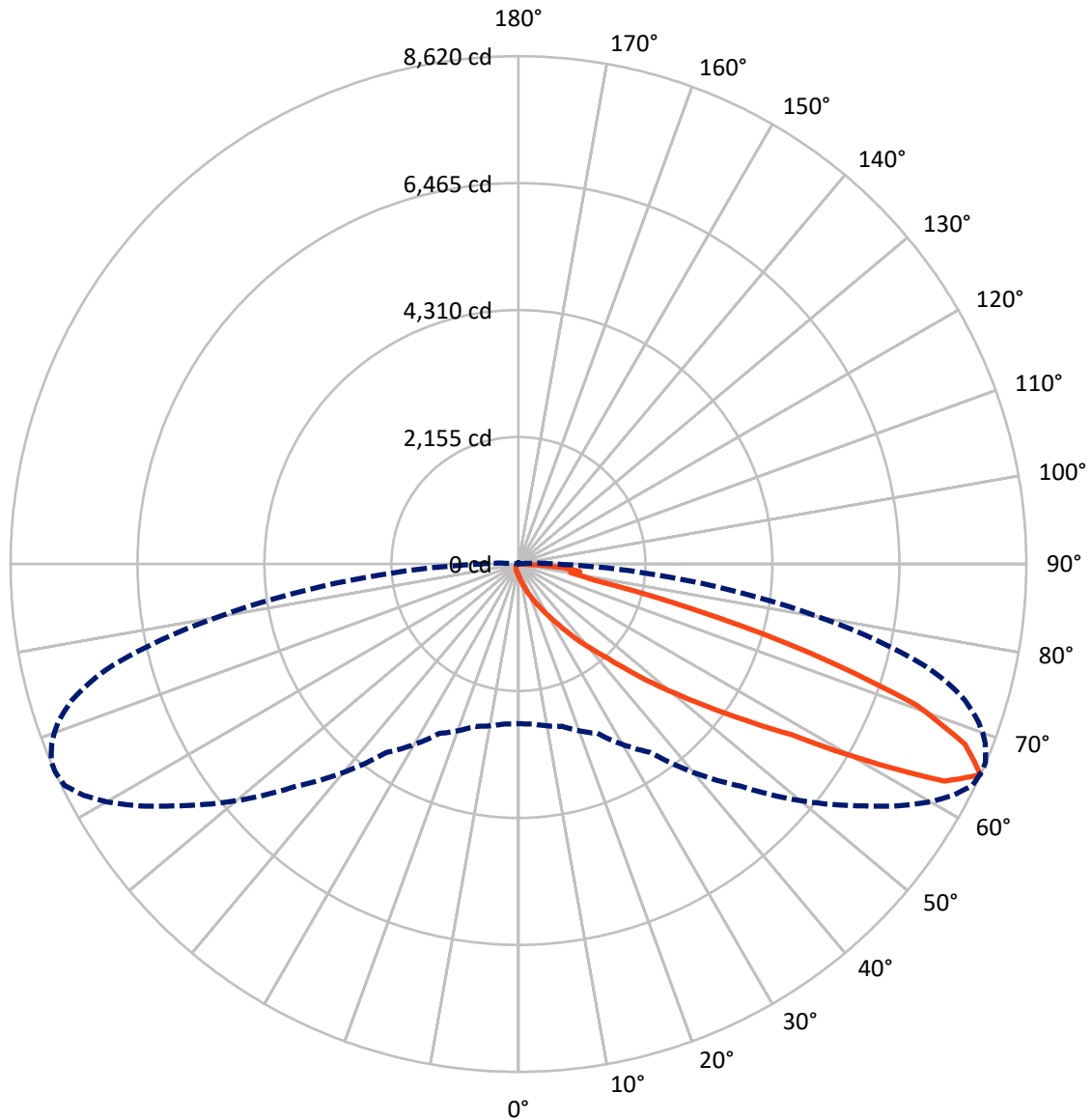
× Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P155277
CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

Luminous Intensity Polar Plot



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

REPORT NUMBER: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

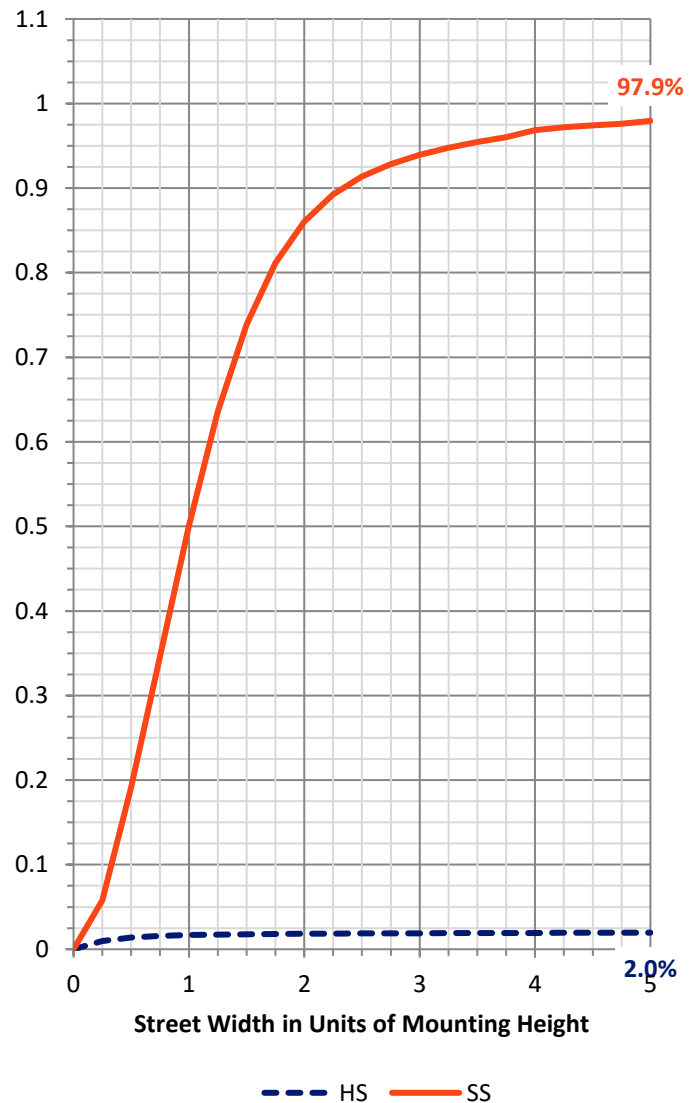
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	138.6	0.0	138.6
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	6766.4	0.0	6766.4
	% Fixture	98.0	0.0	98.0
Total	Lumens	6905.0	0.0	6905.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	23.5	0.3
10°-20°	112.3	1.6
20°-30°	256.5	3.7
30°-40°	487.9	7.1
40°-50°	979.4	14.2
50°-60°	1732.9	25.1
60°-70°	2264.2	32.8
70°-80°	931.0	13.5
80°-90°	117.3	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°	6905.0	100.0
0°-180°	6905.0	100.0



REPORT NUMBER: P155277

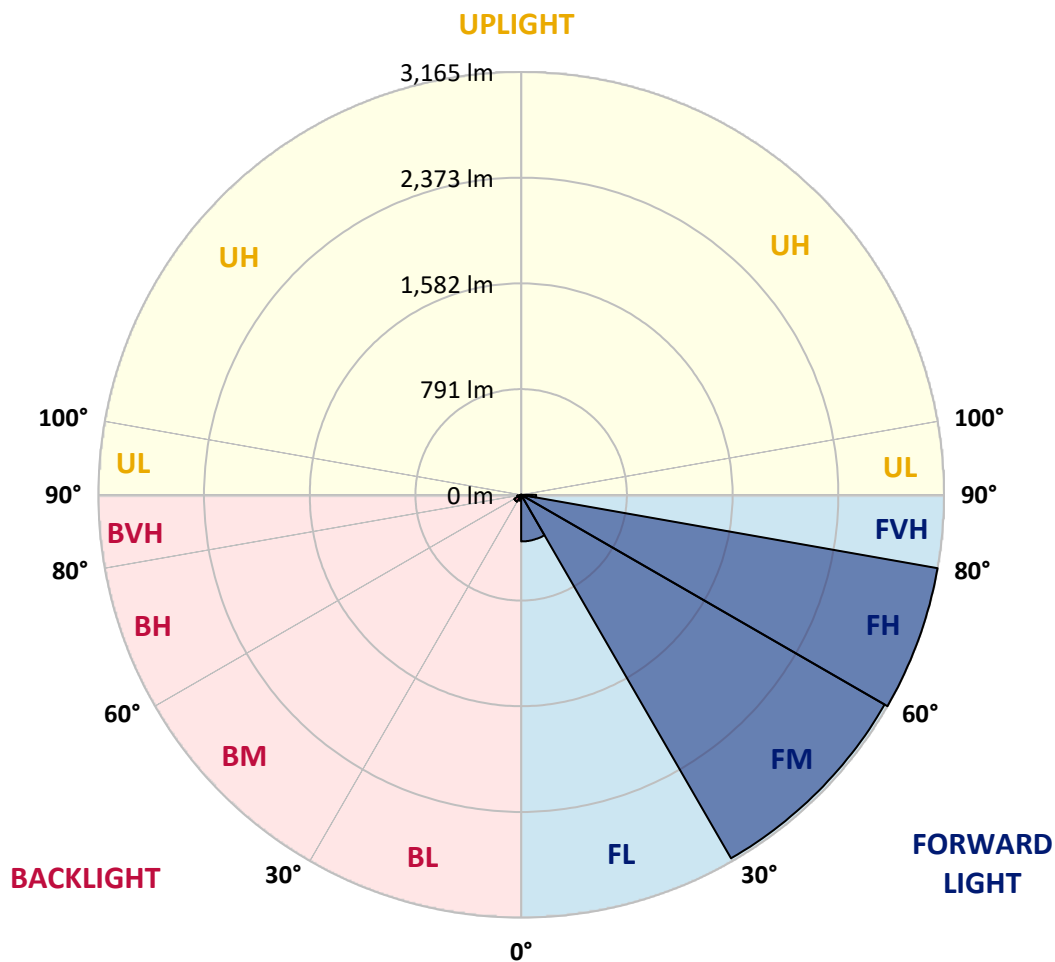
CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	348.9	5.1			
FM	(30°-60°)	3140.9	45.5			
FH	(60°-80°)	3164.5	45.8			G2/5000
FVH	(80°-90°)	112.0	1.6			G2/225
BL	(0°-30°)	43.4	0.6	B0/110		
BM	(30°-60°)	59.4	0.9	B0/220		
BH	(60°-80°)	30.7	0.4	B0/110		G0/110
BVH	(80°-90°)	5.3	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: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
2.5°	254.1	249.9	251.3	242.8	237.2	230.1	224.5	223.1	221.7	218.8	220.2
5°	365.7	361.4	351.5	334.6	319.1	295.1	271.1	269.7	265.4	261.2	258.4
7.5°	508.2	501.2	489.9	461.7	423.5	381.2	333.2	328.9	323.3	317.7	312.0
10°	673.4	669.2	648.0	615.5	557.7	488.5	408.0	403.8	391.1	384.0	378.4
12.5°	847.1	828.7	820.3	763.8	697.4	602.8	499.8	484.2	474.4	464.5	450.4
15°	978.4	981.2	961.4	916.3	838.6	728.5	600.0	583.1	569.0	550.6	533.7
17.5°	1097.0	1091.3	1070.1	1041.9	968.5	857.0	707.3	684.7	662.1	652.2	628.2
20°	1193.0	1190.1	1173.2	1146.4	1089.9	982.6	820.3	801.9	776.5	759.5	732.7
22.5°	1269.2	1269.2	1259.3	1243.8	1188.7	1102.6	940.3	920.5	895.1	873.9	844.3
25°	1329.9	1328.5	1329.9	1322.8	1286.1	1207.1	1063.1	1040.5	1019.3	993.9	965.7
27.5°	1399.1	1401.9	1399.1	1394.9	1379.3	1315.8	1187.3	1171.8	1147.8	1121.0	1092.7
30°	1506.4	1497.9	1496.5	1493.7	1475.3	1435.8	1315.8	1297.4	1279.1	1260.7	1241.0
32.5°	1619.3	1605.2	1601.0	1601.0	1588.3	1553.0	1464.0	1454.1	1427.3	1413.2	1396.3
35°	1747.8	1742.2	1736.5	1737.9	1732.3	1695.6	1622.1	1625.0	1616.5	1588.3	1571.3
37.5°	1935.6	1937.0	1927.1	1908.7	1908.7	1876.3	1833.9	1828.3	1807.1	1800.0	1790.2
40°	2203.8	2196.7	2188.3	2161.5	2151.6	2096.5	2057.0	2042.9	2025.9	2024.5	2013.2
42.5°	2514.4	2505.9	2505.9	2486.2	2466.4	2400.0	2325.2	2315.3	2297.0	2302.6	2298.4
45°	2802.4	2809.5	2819.4	2833.5	2836.3	2808.1	2699.3	2686.6	2676.8	2671.1	2666.9
47.5°	3050.9	3063.6	3096.1	3156.8	3234.4	3244.3	3158.2	3124.3	3117.2	3107.4	3098.9
50°	3228.8	3247.1	3320.5	3439.1	3590.2	3683.4	3636.8	3608.5	3607.1	3580.3	3577.5
52.5°	3330.4	3350.2	3470.2	3649.5	3883.8	4066.0	4123.8	4122.4	4119.6	4095.6	4085.7
55°	3353.0	3374.2	3518.2	3762.4	4097.0	4411.9	4633.5	4639.2	4651.9	4644.8	4644.8
57.5°	3290.9	3317.7	3474.4	3776.5	4208.6	4685.7	5170.0	5202.5	5218.0	5273.0	5336.6
60°	3176.5	3196.3	3353.0	3690.4	4228.3	4935.6	5867.4	5970.5	6050.9	6159.7	6262.7
62.5°	2964.8	3004.3	3153.9	3521.0	4169.0	5223.6	6700.4	6891.0	7047.7	7212.8	7411.9
65°	2707.8	2724.8	2851.8	3172.3	3903.6	5333.8	7160.6	7347.0	7547.4	7723.9	7901.8
67.5°	2385.9	2400.0	2510.2	2647.1	3221.7	4818.4	6707.4	6913.5	7094.3	7239.7	7472.6
70°	1562.9	1593.9	1863.6	1999.1	2251.8	3562.0	5484.8	5683.9	5822.2	5921.1	6190.7
72.5°	1145.0	1164.7	1273.4	1553.0	1615.1	2105.0	3859.8	4075.8	4126.7	4313.0	4438.7
75°	698.8	748.3	993.9	1329.9	1574.1	1441.4	2312.5	2417.0	2534.2	2669.7	2789.7
77.5°	141.2	160.9	324.7	916.3	1385.0	1540.3	1380.7	1400.5	1458.4	1471.1	1516.3
80°	22.6	24.0	42.4	395.3	801.9	1245.2	1380.7	1362.4	1329.9	1307.3	1284.7
82.5°	9.9	11.3	18.4	100.2	170.8	415.1	1194.4	1287.6	1394.9	1454.1	1469.7
85°	4.2	4.2	7.1	19.8	25.4	28.2	201.9	266.8	475.8	632.5	728.5
87.5°	2.8	2.8	4.2	4.2	5.6	7.1	9.9	9.9	11.3	12.7	18.4
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: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
2.5°	220.2	218.8	218.8	214.6	214.6	213.2	213.2	211.8	211.8	208.9	210.4
5°	256.9	254.1	251.3	247.1	245.7	242.8	240.0	235.8	234.4	231.5	230.1
7.5°	306.4	303.5	297.9	289.4	283.8	278.1	272.5	266.8	262.6	258.4	255.5
10°	367.1	358.6	355.8	338.8	331.8	320.5	313.4	307.8	299.3	292.2	288.0
12.5°	440.5	433.4	419.3	396.7	385.4	375.5	362.8	351.5	343.1	330.4	321.9
15°	516.7	511.1	491.3	465.9	451.8	433.4	420.7	409.4	391.1	382.6	367.1
17.5°	612.7	595.8	576.0	539.3	521.0	505.4	482.8	465.9	454.6	429.2	415.1
20°	711.5	693.2	667.8	626.8	601.4	577.4	559.1	536.5	512.5	495.5	471.5
22.5°	824.5	794.8	775.1	724.2	694.6	669.2	638.1	614.1	590.1	563.3	536.5
25°	944.5	914.8	890.8	833.0	801.9	776.5	739.8	705.9	676.2	646.6	615.5
27.5°	1070.1	1043.3	1016.5	957.2	930.4	895.1	861.2	821.7	783.5	756.7	714.4
30°	1215.6	1193.0	1163.3	1099.8	1070.1	1033.4	998.1	951.5	914.8	878.1	837.2
32.5°	1372.3	1353.9	1322.8	1266.4	1231.1	1200.0	1161.9	1116.7	1064.5	1026.4	978.4
35°	1562.9	1531.8	1513.4	1459.8	1433.0	1399.1	1359.6	1320.0	1265.0	1211.3	1170.4
37.5°	1780.3	1766.2	1742.2	1691.3	1671.6	1636.3	1610.9	1571.3	1529.0	1461.2	1417.4
40°	2003.3	1993.5	1972.3	1921.4	1901.7	1877.7	1848.0	1809.9	1759.1	1723.8	1658.9
42.5°	2287.1	2271.6	2254.6	2206.6	2168.5	2138.9	2126.2	2093.7	2040.0	1994.9	1944.0
45°	2647.1	2640.1	2617.5	2569.5	2531.3	2511.6	2491.8	2436.8	2401.5	2356.3	2321.0
47.5°	3081.9	3059.4	3048.1	2994.4	2981.7	2966.2	2915.4	2884.3	2833.5	2798.2	2754.4
50°	3552.1	3528.1	3529.5	3464.5	3467.4	3456.1	3418.0	3381.2	3337.5	3306.4	3279.6
52.5°	4057.5	4068.8	4040.6	4060.3	4037.7	4012.3	4005.3	3960.1	3922.0	3920.5	3883.8
55°	4678.7	4660.3	4667.4	4687.2	4656.1	4684.3	4670.2	4612.3	4613.7	4625.0	4582.7
57.5°	5346.5	5373.3	5431.2	5443.9	5497.5	5460.8	5556.8	5487.6	5530.0	5530.0	5501.8
60°	6326.2	6433.5	6573.3	6682.0	6782.3	6749.8	6875.4	6796.4	6852.8	6804.8	6780.8
62.5°	7506.5	7649.1	7814.3	7990.7	8092.4	8117.8	8099.5	8134.7	8079.7	8044.4	7952.6
65°	8074.0	8215.2	8359.2	8571.0	8599.2	8620.4	8611.9	8552.6	8484.9	8384.6	8264.6
67.5°	7602.5	7800.2	7880.6	8124.9	8206.8	8177.1	8187.0	8110.7	8004.9	7906.0	7729.6
70°	6303.7	6529.5	6571.9	6922.0	7019.4	7160.6	7109.8	7087.2	6971.4	6888.1	6693.3
72.5°	4589.7	4766.2	4752.1	5146.0	5129.0	5186.9	5323.9	5318.2	5196.8	5170.0	5006.2
75°	2825.0	2930.9	2925.2	3204.8	3087.6	3070.6	3108.8	3091.8	2977.5	2858.9	2757.2
77.5°	1496.5	1544.5	1493.7	1410.4	1401.9	1307.3	1280.5	1279.1	1191.6	1084.3	1005.2
80°	1260.7	1211.3	1152.0	1030.6	960.0	896.5	837.2	782.1	722.8	643.8	547.8
82.5°	1472.5	1448.5	1406.1	1253.7	1180.3	1053.2	958.6	869.7	761.0	679.1	556.2
85°	717.2	715.8	749.7	734.1	707.3	701.7	608.5	588.7	545.0	499.8	417.9
87.5°	19.8	14.1	16.9	14.1	16.9	18.4	12.7	29.6	18.4	16.9	19.8
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: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
2.5°	208.9	207.5	206.1	206.1	204.7	204.7	203.3	201.9	201.9	200.5	200.5
5°	227.3	224.5	223.1	221.7	218.8	217.4	214.6	213.2	210.4	208.9	206.1
7.5°	249.9	247.1	241.4	238.6	234.4	232.9	225.9	223.1	220.2	217.4	213.2
10°	278.1	271.1	265.4	259.8	252.7	247.1	241.4	237.2	231.5	224.5	221.7
12.5°	313.4	303.5	295.1	285.2	276.7	268.2	258.4	251.3	242.8	235.8	228.7
15°	352.9	338.8	327.5	313.4	299.3	289.4	279.5	269.7	258.4	248.5	240.0
17.5°	398.1	379.8	364.2	347.3	331.8	317.7	300.7	288.0	275.3	261.2	249.9
20°	446.1	427.8	406.6	388.2	365.7	350.1	328.9	312.0	293.7	279.5	264.0
22.5°	509.7	485.7	458.8	433.4	409.4	385.4	362.8	341.7	319.1	297.9	282.4
25°	584.5	554.8	521.0	495.5	461.7	434.8	406.6	379.8	355.8	328.9	303.5
27.5°	677.7	638.1	601.4	566.1	529.4	495.5	458.8	427.8	395.3	364.2	336.0
30°	786.4	748.3	693.2	653.7	617.0	570.4	533.7	492.7	456.0	410.8	379.8
32.5°	930.4	881.0	823.1	770.8	722.8	670.6	619.8	567.5	519.5	478.6	432.0
35°	1118.1	1060.3	991.1	924.7	871.1	807.5	742.6	683.3	628.2	569.0	511.1
37.5°	1355.3	1301.7	1226.8	1146.4	1074.4	998.1	930.4	847.1	773.7	701.7	628.2
40°	1591.1	1541.7	1464.0	1377.9	1284.7	1197.2	1111.1	1016.5	923.3	833.0	756.7
42.5°	1881.9	1808.5	1725.2	1627.8	1537.4	1433.0	1325.7	1217.0	1105.4	996.7	888.0
45°	2247.6	2191.1	2073.9	1969.5	1862.2	1739.3	1606.6	1482.4	1339.8	1211.3	1067.3
47.5°	2692.3	2590.6	2504.5	2408.5	2274.4	2155.8	1986.4	1839.6	1661.7	1490.9	1318.6
50°	3217.5	3161.0	3046.6	2926.6	2781.2	2640.1	2474.9	2263.1	2049.9	1867.8	1632.0
52.5°	3831.6	3751.1	3679.1	3554.9	3406.7	3225.9	3038.2	2808.1	2546.9	2289.9	2038.6
55°	4560.1	4503.6	4434.4	4335.6	4146.4	3941.7	3715.8	3440.5	3131.4	2785.5	2493.2
57.5°	5500.3	5441.0	5374.7	5171.4	5042.9	4791.6	4464.1	4178.9	3845.7	3402.4	3039.6
60°	6783.7	6703.2	6610.0	6444.8	6176.6	5850.5	5498.9	5076.8	4668.8	4184.6	3708.8
62.5°	7880.6	7752.2	7553.1	7339.9	7018.0	6643.9	6202.0	5705.1	5240.6	4695.6	4166.2
65°	8106.5	7930.0	7695.7	7417.6	7085.8	6663.7	6202.0	5726.2	5179.9	4667.4	4135.1
67.5°	7519.2	7314.5	7074.5	6763.9	6447.7	6012.8	5614.7	5130.5	4616.6	4173.3	3697.5
70°	6553.5	6250.0	6004.4	5674.0	5353.5	5011.9	4592.6	4229.7	3811.8	3403.8	3039.6
72.5°	4921.5	4622.2	4399.1	4135.1	3944.5	3583.1	3275.4	3004.3	2757.2	2452.3	2182.6
75°	2652.8	2428.3	2278.6	2158.6	1987.8	1749.2	1602.4	1416.0	1311.6	1184.5	1061.7
77.5°	865.4	762.4	650.8	542.1	465.9	350.1	338.8	269.7	254.1	247.1	190.6
80°	443.3	341.7	247.1	177.9	135.5	120.0	114.4	108.7	103.1	98.8	91.8
82.5°	444.7	321.9	221.7	153.9	111.5	93.2	87.5	84.7	80.5	76.2	70.6
85°	324.7	240.0	165.2	112.9	77.6	62.1	59.3	55.1	52.2	50.8	45.2
87.5°	21.2	15.5	14.1	12.7	12.7	12.7	14.1	12.7	14.1	14.1	12.7
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: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0	192.0
2.5°	199.1	197.7	197.7	196.2	194.8	194.8	193.4	193.4	189.2	182.1	176.5
5°	204.7	201.9	200.5	199.1	197.7	194.8	193.4	192.0	184.9	170.8	159.5
7.5°	208.9	206.1	204.7	201.9	197.7	196.2	193.4	190.6	179.3	159.5	146.8
10°	216.0	211.8	207.5	203.3	199.1	196.2	192.0	189.2	172.2	149.7	136.9
12.5°	223.1	217.4	211.8	204.7	200.5	196.2	192.0	186.4	166.6	141.2	127.1
15°	231.5	223.1	216.0	208.9	201.9	196.2	189.2	184.9	160.9	134.1	121.4
17.5°	240.0	230.1	220.2	210.4	203.3	194.8	189.2	182.1	155.3	128.5	114.4
20°	249.9	235.8	225.9	214.6	204.7	194.8	186.4	179.3	149.7	121.4	107.3
22.5°	264.0	247.1	231.5	218.8	206.1	196.2	186.4	176.5	144.0	115.8	101.6
25°	282.4	261.2	242.8	227.3	211.8	199.1	187.8	177.9	139.8	111.5	94.6
27.5°	309.2	282.4	262.6	241.4	221.7	206.1	192.0	180.7	136.9	107.3	90.4
30°	341.7	314.8	283.8	258.4	237.2	216.0	200.5	183.5	134.1	103.1	84.7
32.5°	389.7	351.5	314.8	283.8	254.1	230.1	207.5	190.6	132.7	96.0	79.1
35°	458.8	406.6	362.8	321.9	280.9	251.3	224.5	201.9	131.3	90.4	73.4
37.5°	557.7	495.5	439.1	381.2	330.4	288.0	251.3	221.7	131.3	86.1	67.8
40°	663.5	583.1	511.1	439.1	374.1	320.5	271.1	234.4	128.5	80.5	62.1
42.5°	783.5	684.7	585.9	497.0	416.5	347.3	289.4	244.2	121.4	74.8	56.5
45°	944.5	814.6	696.0	581.7	477.2	386.8	313.4	255.5	114.4	70.6	50.8
47.5°	1146.4	995.3	841.4	697.4	560.5	446.1	348.7	273.9	110.1	64.9	46.6
50°	1447.1	1232.5	1029.2	845.7	672.0	522.4	400.9	300.7	105.9	60.7	42.4
52.5°	1777.4	1513.4	1274.8	1039.1	823.1	625.4	461.7	336.0	101.6	56.5	38.1
55°	2179.8	1855.1	1564.3	1257.9	981.2	745.4	536.5	375.5	96.0	52.2	35.3
57.5°	2676.8	2265.9	1921.4	1547.3	1200.0	900.7	636.7	441.9	90.4	46.6	31.1
60°	3231.6	2767.1	2333.7	1894.6	1473.9	1106.8	785.0	536.5	84.7	40.9	26.8
62.5°	3631.1	3121.5	2625.9	2133.2	1671.6	1260.7	905.0	609.9	76.2	35.3	24.0
65°	3626.9	3110.2	2611.8	2126.2	1677.2	1266.4	909.2	624.0	67.8	31.1	21.2
67.5°	3231.6	2796.8	2352.0	1915.8	1523.3	1152.0	841.4	578.8	57.9	28.2	18.4
70°	2658.4	2312.5	1961.0	1615.1	1300.3	986.8	727.1	504.0	49.4	25.4	15.5
72.5°	1941.2	1688.5	1473.9	1229.7	1015.1	779.3	580.2	395.3	39.5	21.2	14.1
75°	964.3	862.6	739.8	663.5	566.1	463.1	360.0	230.1	32.5	16.9	12.7
77.5°	183.5	163.8	156.7	135.5	124.2	110.1	97.4	69.2	25.4	12.7	11.3
80°	84.7	77.6	70.6	63.5	56.5	48.0	42.4	36.7	19.8	9.9	12.7
82.5°	66.4	60.7	53.6	48.0	42.4	36.7	31.1	26.8	12.7	8.5	12.7
85°	43.8	38.1	33.9	29.6	25.4	22.6	19.8	16.9	8.5	8.5	8.5
87.5°	12.7	12.7	11.3	11.3	9.9	9.9	8.5	8.5	7.1	7.1	7.1
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: P155277

CATALOG NUMBER: AVM-F05-LED-E-U-T3-HSS-7060

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	192.0	192.0	192.0	192.0	192.0	192.0	192.0
2.5°	170.8	163.8	160.9	159.5	159.5	160.9	159.5
5°	151.1	144.0	141.2	138.4	138.4	138.4	139.8
7.5°	138.4	131.3	127.1	125.6	124.2	125.6	125.6
10°	127.1	121.4	115.8	112.9	112.9	112.9	112.9
12.5°	118.6	111.5	105.9	104.5	103.1	103.1	103.1
15°	111.5	103.1	98.8	96.0	94.6	94.6	96.0
17.5°	103.1	96.0	90.4	88.9	88.9	88.9	88.9
20°	97.4	88.9	84.7	81.9	81.9	81.9	81.9
22.5°	90.4	83.3	77.6	74.8	74.8	74.8	74.8
25°	84.7	77.6	72.0	69.2	69.2	69.2	69.2
27.5°	79.1	72.0	66.4	63.5	63.5	63.5	63.5
30°	73.4	66.4	60.7	57.9	57.9	57.9	57.9
32.5°	69.2	60.7	55.1	52.2	52.2	53.6	52.2
35°	62.1	55.1	49.4	46.6	46.6	46.6	46.6
37.5°	56.5	49.4	43.8	40.9	40.9	40.9	39.5
40°	52.2	43.8	38.1	35.3	33.9	33.9	33.9
42.5°	45.2	36.7	32.5	29.6	28.2	28.2	28.2
45°	40.9	32.5	26.8	24.0	24.0	24.0	24.0
47.5°	36.7	28.2	22.6	19.8	19.8	21.2	21.2
50°	32.5	24.0	18.4	18.4	18.4	19.8	19.8
52.5°	28.2	21.2	16.9	16.9	18.4	19.8	19.8
55°	25.4	18.4	15.5	16.9	18.4	19.8	19.8
57.5°	22.6	15.5	15.5	16.9	18.4	19.8	19.8
60°	19.8	14.1	14.1	15.5	18.4	19.8	19.8
62.5°	16.9	14.1	14.1	15.5	18.4	19.8	19.8
65°	15.5	14.1	14.1	15.5	18.4	19.8	19.8
67.5°	14.1	12.7	14.1	15.5	16.9	18.4	18.4
70°	12.7	12.7	14.1	15.5	16.9	18.4	18.4
72.5°	12.7	12.7	12.7	14.1	15.5	16.9	16.9
75°	12.7	12.7	12.7	14.1	15.5	16.9	16.9
77.5°	12.7	11.3	11.3	12.7	15.5	16.9	16.9
80°	12.7	11.3	11.3	12.7	14.1	16.9	16.9
82.5°	9.9	9.9	11.3	12.7	14.1	15.5	15.5
85°	8.5	9.9	9.9	11.3	12.7	15.5	15.5
87.5°	7.1	7.1	8.5	9.9	11.3	12.7	12.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)