

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: P155261

Luminaire Tested: **AVM-E04-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155261
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-E04-LED-E-U-T3-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (84) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6691.5 lumens
Efficiency: N/A
Efficacy: 68.8 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

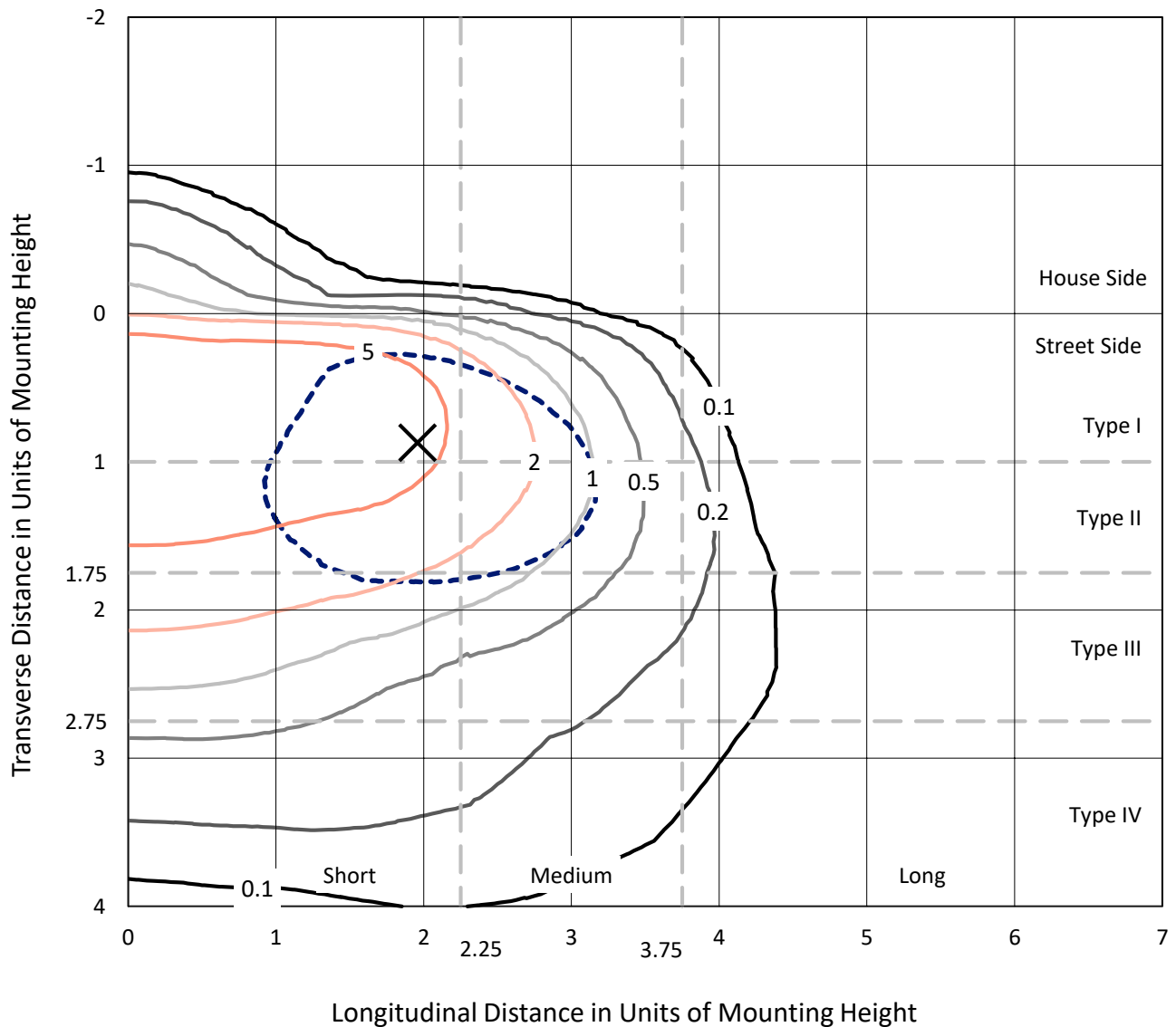
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

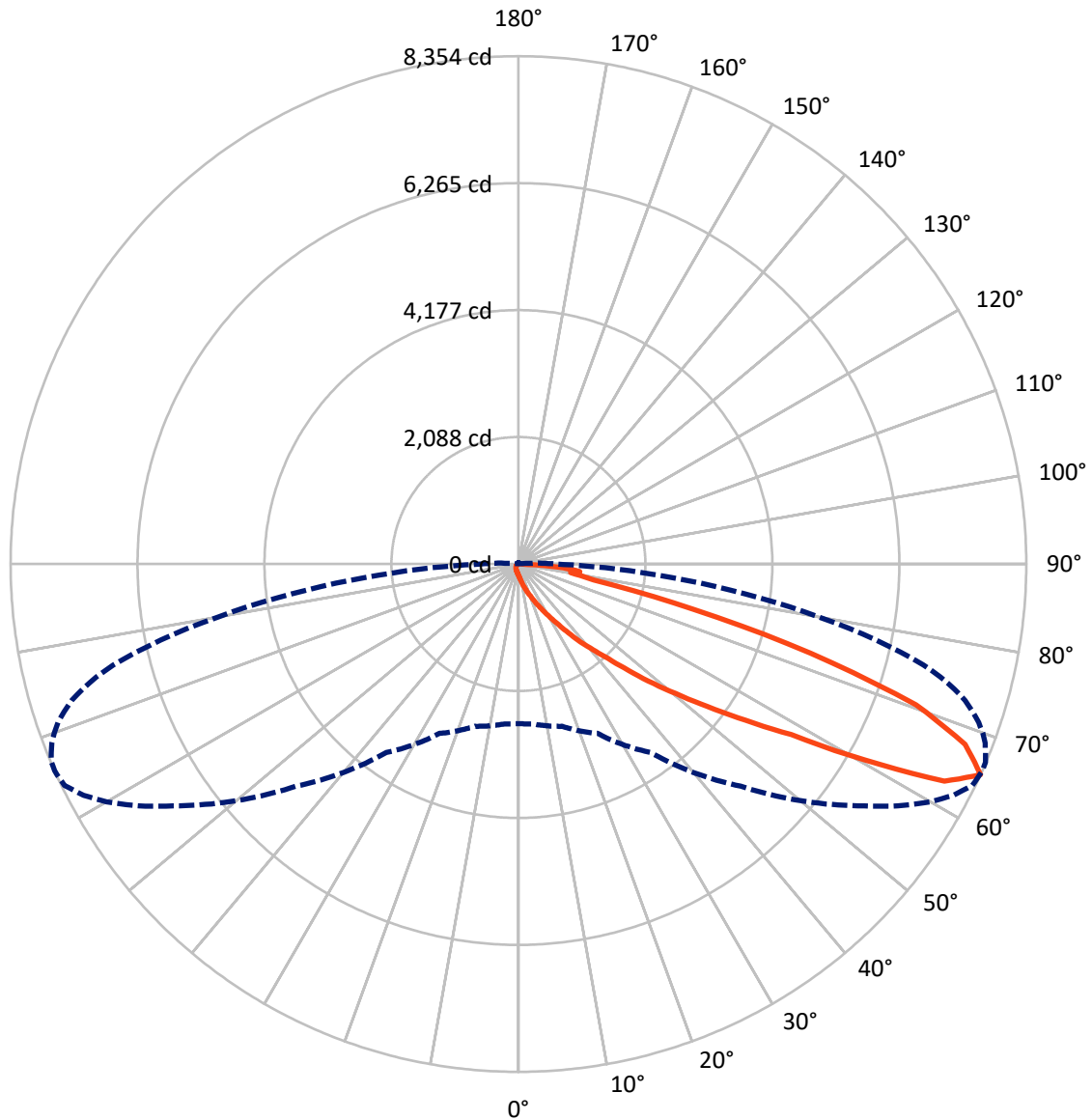
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.7 fc
 Type III - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	134.3	0.0	134.3
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	6557.1	0.0	6557.1
	% Fixture	98.0	0.0	98.0
Total	Lumens	6691.5	0.0	6691.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.8	0.3
10°-20°	108.8	1.6
20°-30°	248.6	3.7
30°-40°	472.9	7.1
40°-50°	949.1	14.2
50°-60°	1679.4	25.1
60°-70°	2194.2	32.8
70°-80°	902.2	13.5
80°-90°	113.6	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°	6691.5	100.0
0°-180°	6691.5	100.0

Coefficient of Utilization



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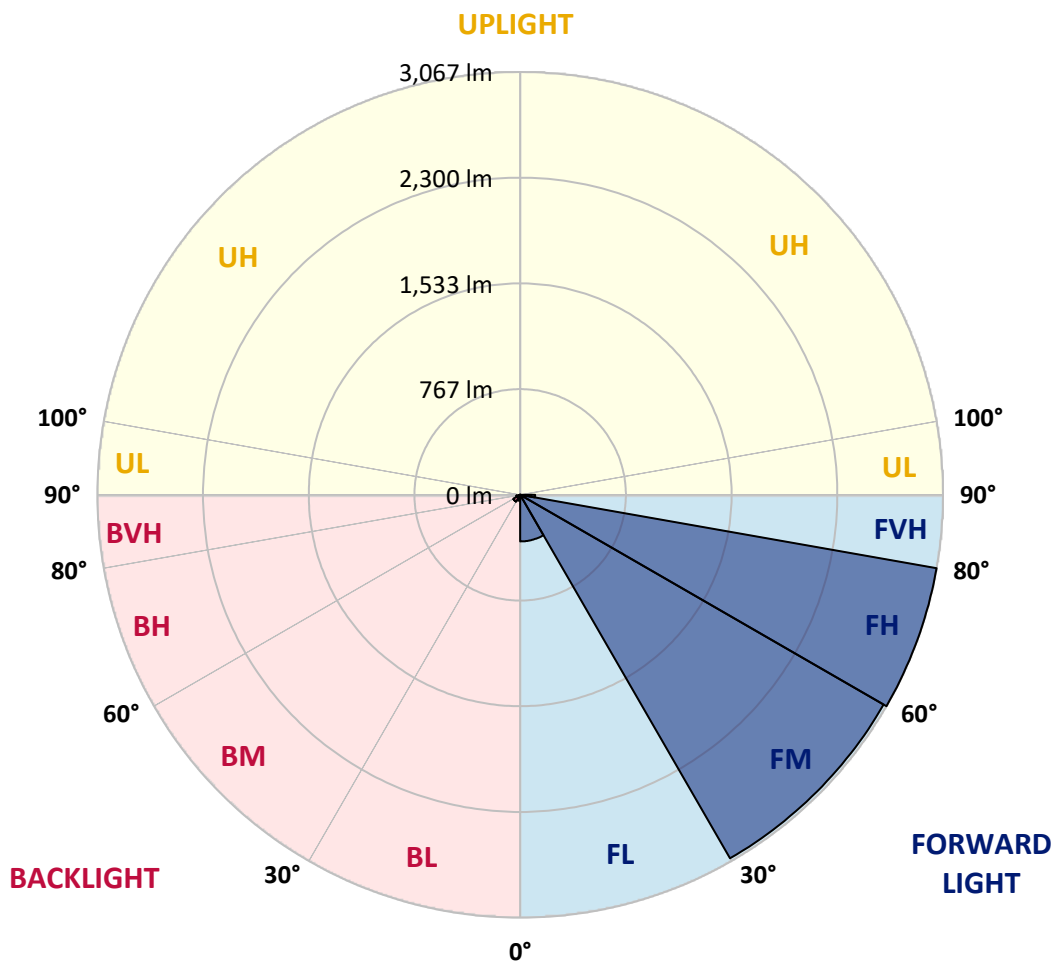
CATALOG NUMBER: AVM-E04-LED-E-U-T3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	338.1	5.1			
FM	(30°-60°)	3043.8	45.5			
FH	(60°-80°)	3066.7	45.8			G2/5000
FVH	(80°-90°)	108.6	1.6			G2/225
BL	(0°-30°)	42.0	0.6	B0/110		
BM	(30°-60°)	57.5	0.9	B0/220		
BH	(60°-80°)	29.7	0.4	B0/110		G0/110
BVH	(80°-90°)	5.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	246.3	242.2	243.5	235.3	229.8	223.0	217.5	216.2	214.8	212.1	213.4
5°	354.3	350.2	340.7	324.2	309.2	285.9	262.7	261.3	257.2	253.1	250.4
7.5°	492.5	485.7	474.7	447.4	410.4	369.4	322.9	318.8	313.3	307.8	302.4
10°	652.6	648.5	628.0	596.5	540.4	473.4	395.4	391.3	379.0	372.1	366.7
12.5°	820.9	803.1	794.9	740.2	675.9	584.2	484.3	469.3	459.7	450.1	436.4
15°	948.1	950.9	931.7	887.9	812.7	706.0	581.5	565.0	551.4	533.6	517.2
17.5°	1063.0	1057.6	1037.1	1009.7	938.5	830.5	685.4	663.5	641.7	632.1	608.8
20°	1156.1	1153.3	1136.9	1110.9	1056.2	952.2	794.9	777.1	752.5	736.1	710.1
22.5°	1230.0	1230.0	1220.4	1205.3	1152.0	1068.5	911.2	892.0	867.4	846.9	818.1
25°	1288.8	1287.4	1288.8	1281.9	1246.4	1169.8	1030.2	1008.3	987.8	963.2	935.8
27.5°	1355.8	1358.6	1355.8	1351.7	1336.7	1275.1	1150.6	1135.6	1112.3	1086.3	1058.9
30°	1459.8	1451.6	1450.2	1447.5	1429.7	1391.4	1275.1	1257.3	1239.5	1221.7	1202.6
32.5°	1569.3	1555.6	1551.5	1551.5	1539.2	1505.0	1418.8	1409.2	1383.2	1369.5	1353.1
35°	1693.8	1688.3	1682.8	1684.2	1678.7	1643.1	1572.0	1574.7	1566.5	1539.2	1522.7
37.5°	1875.7	1877.1	1867.5	1849.7	1849.7	1818.3	1777.2	1771.7	1751.2	1744.4	1734.8
40°	2135.7	2128.8	2120.6	2094.6	2085.0	2031.7	1993.4	1979.7	1963.3	1961.9	1951.0
42.5°	2436.7	2428.4	2428.4	2409.3	2390.1	2325.8	2253.3	2243.8	2226.0	2231.4	2227.3
45°	2715.8	2722.6	2732.2	2745.9	2748.6	2721.2	2615.9	2603.6	2594.0	2588.5	2584.4
47.5°	2956.6	2968.9	3000.3	3059.2	3134.4	3144.0	3060.5	3027.7	3020.9	3011.3	3003.1
50°	3128.9	3146.7	3217.9	3332.8	3479.2	3569.5	3524.3	3497.0	3495.6	3469.6	3466.9
52.5°	3227.4	3246.6	3362.9	3536.6	3763.8	3940.2	3996.3	3995.0	3992.2	3969.0	3959.4
55°	3249.3	3269.9	3409.4	3646.1	3970.3	4275.4	4490.2	4495.7	4508.0	4501.2	4501.2
57.5°	3189.1	3215.1	3367.0	3659.8	4078.4	4540.9	5010.1	5041.6	5056.6	5110.0	5171.6
60°	3078.3	3097.5	3249.3	3576.3	4097.6	4783.0	5686.0	5785.9	5863.9	5969.2	6069.1
62.5°	2873.1	2911.4	3056.4	3412.1	4040.1	5062.1	6493.2	6677.9	6829.8	6989.8	7182.7
65°	2624.1	2640.5	2763.6	3074.2	3782.9	5168.8	6939.2	7119.8	7314.1	7485.1	7657.5
67.5°	2312.2	2325.8	2432.6	2565.3	3122.1	4669.5	6500.0	6699.8	6874.9	7015.8	7241.6
70°	1514.5	1544.6	1805.9	1937.3	2182.2	3451.8	5315.2	5508.1	5642.2	5738.0	5999.3
72.5°	1109.6	1128.7	1234.1	1505.0	1565.2	2039.9	3740.5	3949.8	3999.1	4179.7	4301.4
75°	677.2	725.1	963.2	1288.8	1525.5	1396.9	2241.0	2342.3	2455.8	2587.2	2703.4
77.5°	136.8	156.0	314.7	887.9	1342.1	1492.6	1338.0	1357.2	1413.3	1425.6	1469.4
80°	21.9	23.3	41.0	383.1	777.1	1206.7	1338.0	1320.3	1288.8	1266.9	1245.0
82.5°	9.6	10.9	17.8	97.1	165.5	402.2	1157.4	1247.7	1351.7	1409.2	1424.2
85°	4.1	4.1	6.8	19.2	24.6	27.4	195.6	258.6	461.1	612.9	706.0
87.5°	2.7	2.7	4.1	4.1	5.5	6.8	9.6	9.6	10.9	12.3	17.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	213.4	212.1	212.1	208.0	208.0	206.6	206.6	205.2	205.2	202.5	203.9
5°	249.0	246.3	243.5	239.4	238.1	235.3	232.6	228.5	227.1	224.4	223.0
7.5°	296.9	294.2	288.7	280.5	275.0	269.5	264.1	258.6	254.5	250.4	247.6
10°	355.7	347.5	344.8	328.4	321.5	310.6	303.7	298.3	290.0	283.2	279.1
12.5°	426.9	420.0	406.3	384.4	373.5	363.9	351.6	340.7	332.5	320.1	311.9
15°	500.7	495.3	476.1	451.5	437.8	420.0	407.7	396.8	379.0	370.8	355.7
17.5°	593.8	577.4	558.2	522.6	504.8	489.8	467.9	451.5	440.5	415.9	402.2
20°	689.5	671.8	647.1	607.5	582.8	559.6	541.8	519.9	496.6	480.2	457.0
22.5°	799.0	770.3	751.1	701.9	673.1	648.5	618.4	595.1	571.9	545.9	519.9
25°	915.3	886.6	863.3	807.2	777.1	752.5	716.9	684.1	655.3	626.6	596.5
27.5°	1037.1	1011.1	985.1	927.6	901.6	867.4	834.6	796.3	759.3	733.3	692.3
30°	1178.0	1156.1	1127.3	1065.8	1037.1	1001.5	967.3	922.1	886.6	851.0	811.3
32.5°	1329.8	1312.0	1281.9	1227.2	1193.0	1162.9	1126.0	1082.2	1031.6	994.6	948.1
35°	1514.5	1484.4	1466.6	1414.7	1388.7	1355.8	1317.5	1279.2	1225.9	1173.9	1134.2
37.5°	1725.2	1711.5	1688.3	1639.0	1619.9	1585.7	1561.0	1522.7	1481.7	1416.0	1373.6
40°	1941.4	1931.8	1911.3	1862.0	1842.9	1819.6	1790.9	1754.0	1704.7	1670.5	1607.6
42.5°	2216.4	2201.3	2184.9	2138.4	2101.5	2072.7	2060.4	2029.0	1977.0	1933.2	1883.9
45°	2565.3	2558.4	2536.5	2490.0	2453.1	2433.9	2414.8	2361.4	2327.2	2283.4	2249.2
47.5°	2986.7	2964.8	2953.8	2901.8	2889.5	2874.5	2825.2	2795.1	2745.9	2711.7	2669.2
50°	3442.2	3419.0	3420.4	3357.4	3360.2	3349.2	3312.3	3276.7	3234.3	3204.2	3178.2
52.5°	3932.0	3943.0	3915.6	3934.8	3912.9	3888.3	3881.4	3837.6	3800.7	3799.3	3763.8
55°	4534.0	4516.2	4523.1	4542.2	4512.1	4539.5	4525.8	4469.7	4471.1	4482.0	4441.0
57.5°	5181.1	5207.1	5263.2	5275.6	5327.5	5292.0	5385.0	5318.0	5359.0	5359.0	5331.6
60°	6130.6	6234.6	6370.1	6475.4	6572.5	6541.1	6662.8	6586.2	6641.0	6594.4	6571.2
62.5°	7274.4	7412.6	7572.7	7743.7	7842.2	7866.8	7849.0	7883.2	7829.9	7795.7	7706.7
65°	7824.4	7961.2	8100.8	8306.0	8333.3	8353.9	8345.7	8288.2	8222.5	8125.4	8009.1
67.5°	7367.4	7559.0	7637.0	7873.6	7953.0	7924.3	7933.8	7860.0	7757.4	7661.6	7490.6
70°	6108.7	6327.7	6368.7	6708.0	6802.4	6939.2	6890.0	6868.1	6755.9	6675.2	6486.4
72.5°	4447.8	4618.8	4605.2	4986.9	4970.5	5026.5	5159.3	5153.8	5036.1	5010.1	4851.4
75°	2737.6	2840.3	2834.8	3105.7	2992.1	2975.7	3012.6	2996.2	2885.4	2770.5	2672.0
77.5°	1450.2	1496.7	1447.5	1366.8	1358.6	1266.9	1240.9	1239.5	1154.7	1050.7	974.1
80°	1221.7	1173.9	1116.4	998.7	930.3	868.8	811.3	757.9	700.5	623.9	530.8
82.5°	1427.0	1403.7	1362.7	1214.9	1143.8	1020.6	929.0	842.8	737.4	658.1	539.0
85°	695.0	693.6	726.5	711.4	685.4	680.0	589.7	570.5	528.1	484.3	405.0
87.5°	19.2	13.7	16.4	13.7	16.4	17.8	12.3	28.7	17.8	16.4	19.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	202.5	201.1	199.7	199.7	198.4	198.4	197.0	195.6	195.6	194.3	194.3
5°	220.3	217.5	216.2	214.8	212.1	210.7	208.0	206.6	203.9	202.5	199.7
7.5°	242.2	239.4	234.0	231.2	227.1	225.7	218.9	216.2	213.4	210.7	206.6
10°	269.5	262.7	257.2	251.7	244.9	239.4	234.0	229.8	224.4	217.5	214.8
12.5°	303.7	294.2	285.9	276.4	268.2	259.9	250.4	243.5	235.3	228.5	221.6
15°	342.0	328.4	317.4	303.7	290.0	280.5	270.9	261.3	250.4	240.8	232.6
17.5°	385.8	368.0	353.0	336.6	321.5	307.8	291.4	279.1	266.8	253.1	242.2
20°	432.3	414.5	394.0	376.2	354.3	339.3	318.8	302.4	284.6	270.9	255.8
22.5°	493.9	470.6	444.6	420.0	396.8	373.5	351.6	331.1	309.2	288.7	273.6
25°	566.4	537.7	504.8	480.2	447.4	421.4	394.0	368.0	344.8	318.8	294.2
27.5°	656.7	618.4	582.8	548.6	513.1	480.2	444.6	414.5	383.1	353.0	325.6
30°	762.1	725.1	671.8	633.4	597.9	552.7	517.2	477.5	441.9	398.1	368.0
32.5°	901.6	853.7	797.6	747.0	700.5	649.9	600.6	550.0	503.5	463.8	418.7
35°	1083.6	1027.5	960.4	896.1	844.1	782.6	719.6	662.2	608.8	551.4	495.3
37.5°	1313.4	1261.4	1188.9	1110.9	1041.2	967.3	901.6	820.9	749.7	680.0	608.8
40°	1541.9	1494.0	1418.8	1335.3	1245.0	1160.2	1076.7	985.1	894.8	807.2	733.3
42.5°	1823.7	1752.6	1671.9	1577.5	1489.9	1388.7	1284.7	1179.3	1071.3	965.9	860.6
45°	2178.1	2123.4	2009.8	1908.6	1804.6	1685.5	1556.9	1436.5	1298.4	1173.9	1034.3
47.5°	2609.0	2510.5	2427.1	2334.0	2204.1	2089.2	1925.0	1782.7	1610.3	1444.8	1277.8
50°	3118.0	3063.3	2952.4	2836.2	2695.2	2558.4	2398.4	2193.1	1986.5	1810.0	1581.6
52.5°	3713.1	3635.1	3565.4	3445.0	3301.3	3126.2	2944.2	2721.2	2468.1	2219.1	1975.6
55°	4419.1	4364.4	4297.3	4201.6	4018.2	3819.8	3600.9	3334.2	3034.5	2699.3	2416.1
57.5°	5330.3	5272.8	5208.5	5011.5	4887.0	4643.5	4326.1	4049.7	3726.8	3297.2	2945.6
60°	6573.9	6495.9	6405.6	6245.6	5985.6	5669.6	5328.9	4919.8	4524.4	4055.2	3594.1
62.5°	7637.0	7512.5	7319.6	7113.0	6801.0	6438.5	6010.2	5528.7	5078.5	4550.4	4037.4
65°	7855.9	7684.8	7457.7	7188.2	6866.7	6457.6	6010.2	5549.2	5019.7	4523.1	4007.3
67.5°	7286.7	7088.3	6855.8	6554.8	6248.3	5826.9	5441.1	4971.8	4473.8	4044.2	3583.2
70°	6350.9	6056.8	5818.7	5498.6	5188.0	4856.9	4450.6	4098.9	3694.0	3298.6	2945.6
72.5°	4769.3	4479.3	4263.1	4007.3	3822.6	3472.3	3174.1	2911.4	2672.0	2376.5	2115.1
75°	2570.7	2353.2	2208.2	2091.9	1926.3	1695.1	1552.8	1372.2	1271.0	1147.9	1028.8
77.5°	838.7	738.8	630.7	525.4	451.5	339.3	328.4	261.3	246.3	239.4	184.7
80°	429.6	331.1	239.4	172.4	131.3	116.3	110.8	105.3	99.9	95.8	88.9
82.5°	431.0	311.9	214.8	149.1	108.1	90.3	84.8	82.1	78.0	73.9	68.4
85°	314.7	232.6	160.1	109.5	75.2	60.2	57.5	53.4	50.6	49.3	43.8
87.5°	20.5	15.0	13.7	12.3	12.3	12.3	13.7	12.3	13.7	13.7	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: AVM-E04-LED-E-U-T3-HSS-7050

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	192.9	191.5	191.5	190.2	188.8	188.8	187.4	187.4	183.3	176.5	171.0
5°	198.4	195.6	194.3	192.9	191.5	188.8	187.4	186.1	179.2	165.5	154.6
7.5°	202.5	199.7	198.4	195.6	191.5	190.2	187.4	184.7	173.8	154.6	142.3
10°	209.3	205.2	201.1	197.0	192.9	190.2	186.1	183.3	166.9	145.0	132.7
12.5°	216.2	210.7	205.2	198.4	194.3	190.2	186.1	180.6	161.4	136.8	123.1
15°	224.4	216.2	209.3	202.5	195.6	190.2	183.3	179.2	156.0	130.0	117.7
17.5°	232.6	223.0	213.4	203.9	197.0	188.8	183.3	176.5	150.5	124.5	110.8
20°	242.2	228.5	218.9	208.0	198.4	188.8	180.6	173.8	145.0	117.7	104.0
22.5°	255.8	239.4	224.4	212.1	199.7	190.2	180.6	171.0	139.6	112.2	98.5
25°	273.6	253.1	235.3	220.3	205.2	192.9	182.0	172.4	135.4	108.1	91.7
27.5°	299.6	273.6	254.5	234.0	214.8	199.7	186.1	175.1	132.7	104.0	87.6
30°	331.1	305.1	275.0	250.4	229.8	209.3	194.3	177.9	130.0	99.9	82.1
32.5°	377.6	340.7	305.1	275.0	246.3	223.0	201.1	184.7	128.6	93.0	76.6
35°	444.6	394.0	351.6	311.9	272.3	243.5	217.5	195.6	127.2	87.6	71.1
37.5°	540.4	480.2	425.5	369.4	320.1	279.1	243.5	214.8	127.2	83.5	65.7
40°	643.0	565.0	495.3	425.5	362.6	310.6	262.7	227.1	124.5	78.0	60.2
42.5°	759.3	663.5	567.8	481.6	403.6	336.6	280.5	236.7	117.7	72.5	54.7
45°	915.3	789.4	674.5	563.7	462.4	374.9	303.7	247.6	110.8	68.4	49.3
47.5°	1110.9	964.5	815.4	675.9	543.2	432.3	337.9	265.4	106.7	62.9	45.1
50°	1402.3	1194.4	997.4	819.5	651.2	506.2	388.6	291.4	102.6	58.8	41.0
52.5°	1722.5	1466.6	1235.4	1007.0	797.6	606.1	447.4	325.6	98.5	54.7	36.9
55°	2112.4	1797.7	1515.9	1219.0	950.9	722.4	519.9	363.9	93.0	50.6	34.2
57.5°	2594.0	2195.9	1862.0	1499.5	1162.9	872.9	617.0	428.2	87.6	45.1	30.1
60°	3131.7	2681.6	2261.5	1836.0	1428.3	1072.6	760.7	519.9	82.1	39.7	26.0
62.5°	3518.9	3025.0	2544.7	2067.3	1619.9	1221.7	877.0	591.0	73.9	34.2	23.3
65°	3514.8	3014.0	2531.1	2060.4	1625.4	1227.2	881.1	604.7	65.7	30.1	20.5
67.5°	3131.7	2710.3	2279.3	1856.6	1476.2	1116.4	815.4	560.9	56.1	27.4	17.8
70°	2576.2	2241.0	1900.3	1565.2	1260.1	956.3	704.6	488.4	47.9	24.6	15.0
72.5°	1881.2	1636.3	1428.3	1191.7	983.7	755.2	562.3	383.1	38.3	20.5	13.7
75°	934.4	835.9	716.9	643.0	548.6	448.8	348.9	223.0	31.5	16.4	12.3
77.5°	177.9	158.7	151.9	131.3	120.4	106.7	94.4	67.0	24.6	12.3	10.9
80°	82.1	75.2	68.4	61.6	54.7	46.5	41.0	35.6	19.2	9.6	12.3
82.5°	64.3	58.8	52.0	46.5	41.0	35.6	30.1	26.0	12.3	8.2	12.3
85°	42.4	36.9	32.8	28.7	24.6	21.9	19.2	16.4	8.2	8.2	8.2
87.5°	12.3	12.3	10.9	10.9	9.6	9.6	8.2	8.2	6.8	6.8	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



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CATALOG NUMBER: AVM-E04-LED-E-U-T3-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	186.1	186.1	186.1	186.1	186.1	186.1	186.1
2.5°	165.5	158.7	156.0	154.6	154.6	156.0	154.6
5°	146.4	139.6	136.8	134.1	134.1	134.1	135.4
7.5°	134.1	127.2	123.1	121.8	120.4	121.8	121.8
10°	123.1	117.7	112.2	109.5	109.5	109.5	109.5
12.5°	114.9	108.1	102.6	101.2	99.9	99.9	99.9
15°	108.1	99.9	95.8	93.0	91.7	91.7	93.0
17.5°	99.9	93.0	87.6	86.2	86.2	86.2	86.2
20°	94.4	86.2	82.1	79.4	79.4	79.4	79.4
22.5°	87.6	80.7	75.2	72.5	72.5	72.5	72.5
25°	82.1	75.2	69.8	67.0	67.0	67.0	67.0
27.5°	76.6	69.8	64.3	61.6	61.6	61.6	61.6
30°	71.1	64.3	58.8	56.1	56.1	56.1	56.1
32.5°	67.0	58.8	53.4	50.6	50.6	52.0	50.6
35°	60.2	53.4	47.9	45.1	45.1	45.1	45.1
37.5°	54.7	47.9	42.4	39.7	39.7	39.7	38.3
40°	50.6	42.4	36.9	34.2	32.8	32.8	32.8
42.5°	43.8	35.6	31.5	28.7	27.4	27.4	27.4
45°	39.7	31.5	26.0	23.3	23.3	23.3	23.3
47.5°	35.6	27.4	21.9	19.2	19.2	20.5	20.5
50°	31.5	23.3	17.8	17.8	17.8	19.2	19.2
52.5°	27.4	20.5	16.4	16.4	17.8	19.2	19.2
55°	24.6	17.8	15.0	16.4	17.8	19.2	19.2
57.5°	21.9	15.0	15.0	16.4	17.8	19.2	19.2
60°	19.2	13.7	13.7	15.0	17.8	19.2	19.2
62.5°	16.4	13.7	13.7	15.0	17.8	19.2	19.2
65°	15.0	13.7	13.7	15.0	17.8	19.2	19.2
67.5°	13.7	12.3	13.7	15.0	16.4	17.8	17.8
70°	12.3	12.3	13.7	15.0	16.4	17.8	17.8
72.5°	12.3	12.3	12.3	13.7	15.0	16.4	16.4
75°	12.3	12.3	12.3	13.7	15.0	16.4	16.4
77.5°	12.3	10.9	10.9	12.3	15.0	16.4	16.4
80°	12.3	10.9	10.9	12.3	13.7	16.4	16.4
82.5°	9.6	9.6	10.9	12.3	13.7	15.0	15.0
85°	8.2	9.6	9.6	10.9	12.3	15.0	15.0
87.5°	6.8	6.8	8.2	9.6	10.9	12.3	12.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)