

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: P155271

Luminaire Tested: **AVM-E05-LED-E-U-T3-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155271
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-E05-LED-E-U-T3-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (105) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8364.4 lumens
Efficiency: N/A
Efficacy: 65.7 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

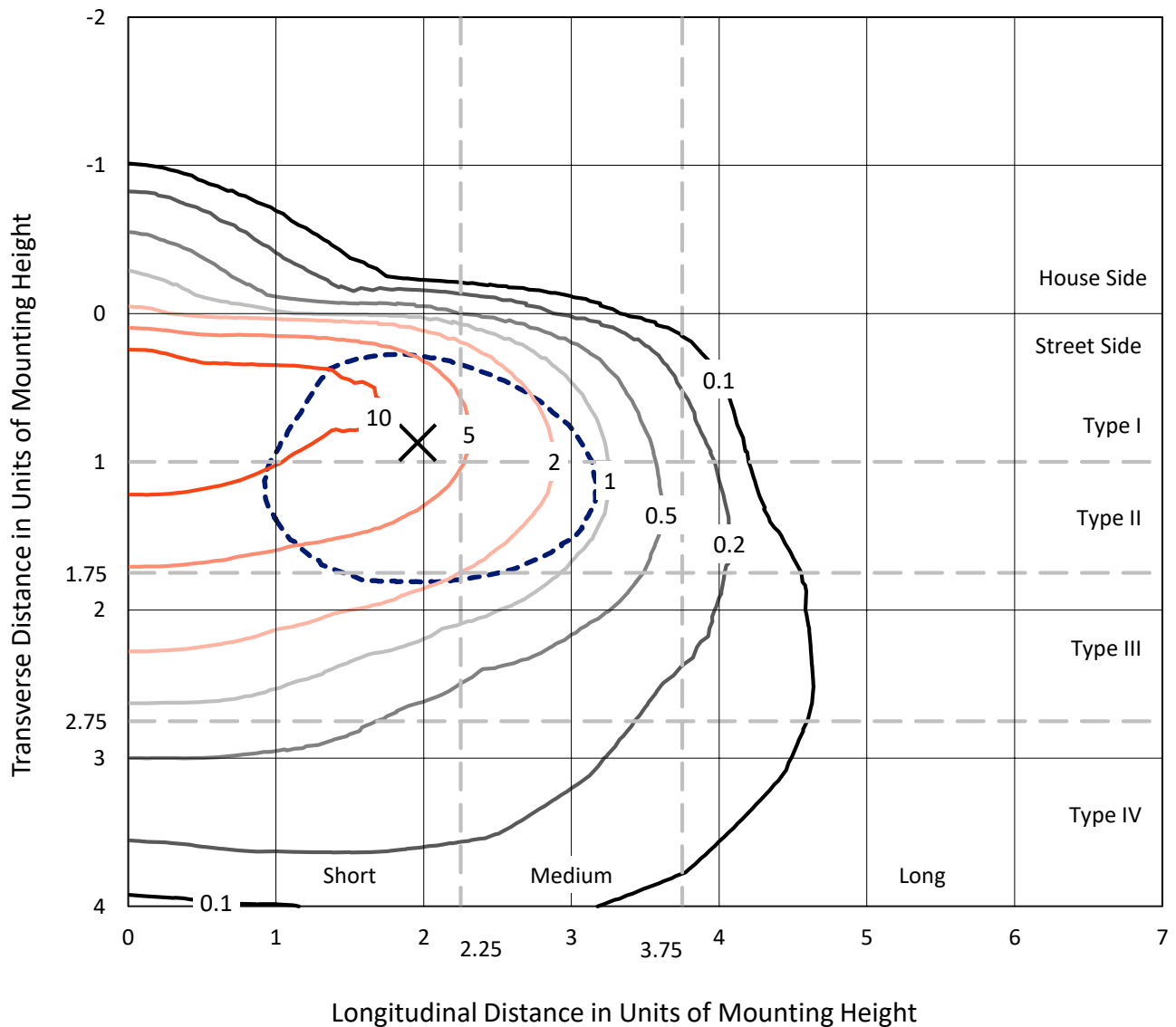
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

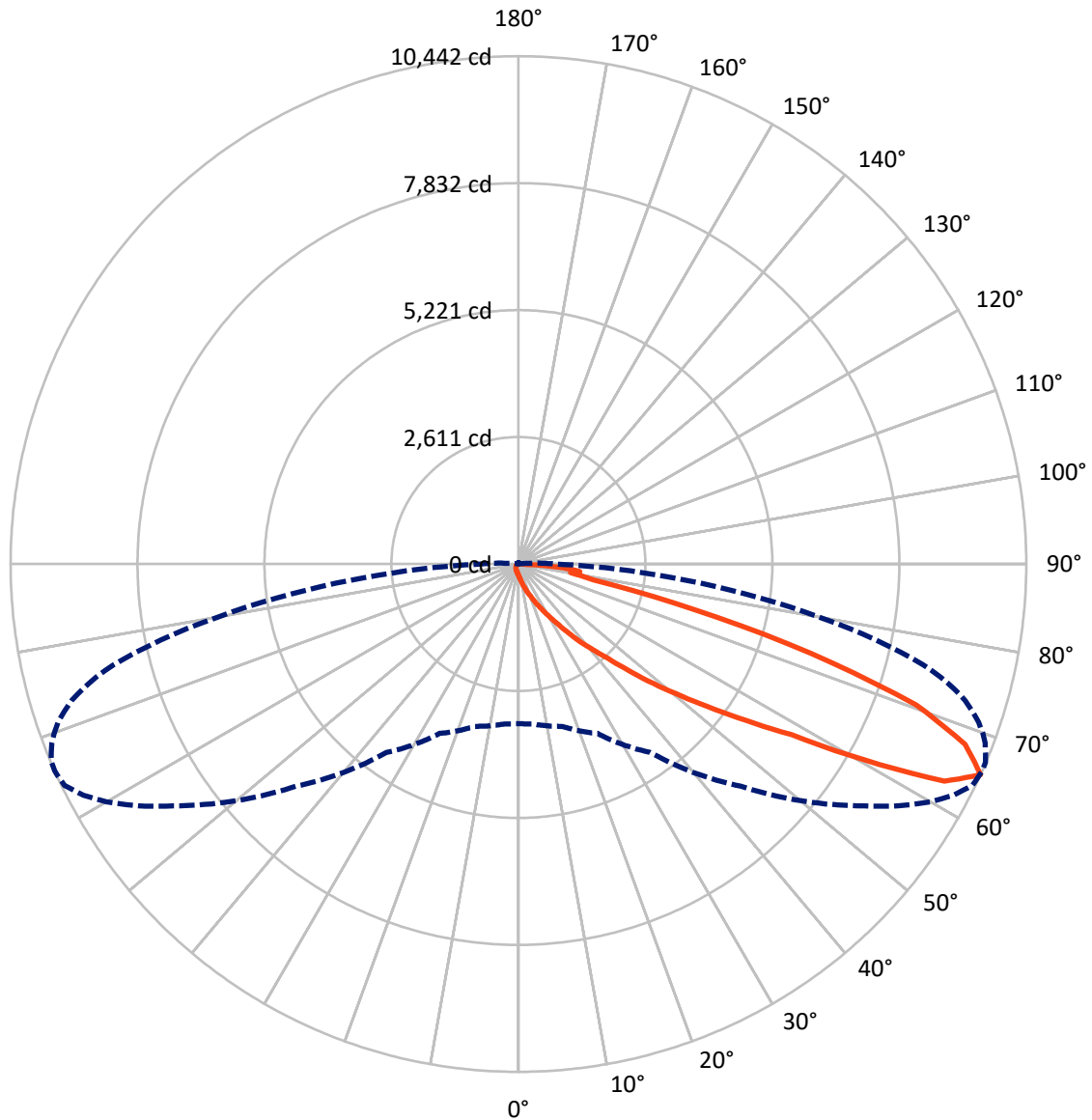
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 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	167.9	0.0	167.9
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	8196.4	0.0	8196.4
	% Fixture	98.0	0.0	98.0
Total	Lumens	8364.4	0.0	8364.4
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.5	0.3
10°-20°	136.0	1.6
20°-30°	310.7	3.7
30°-40°	591.1	7.1
40°-50°	1186.4	14.2
50°-60°	2099.2	25.1
60°-70°	2742.8	32.8
70°-80°	1127.7	13.5
80°-90°	142.1	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°	8364.4	100.0
0°-180°	8364.4	100.0



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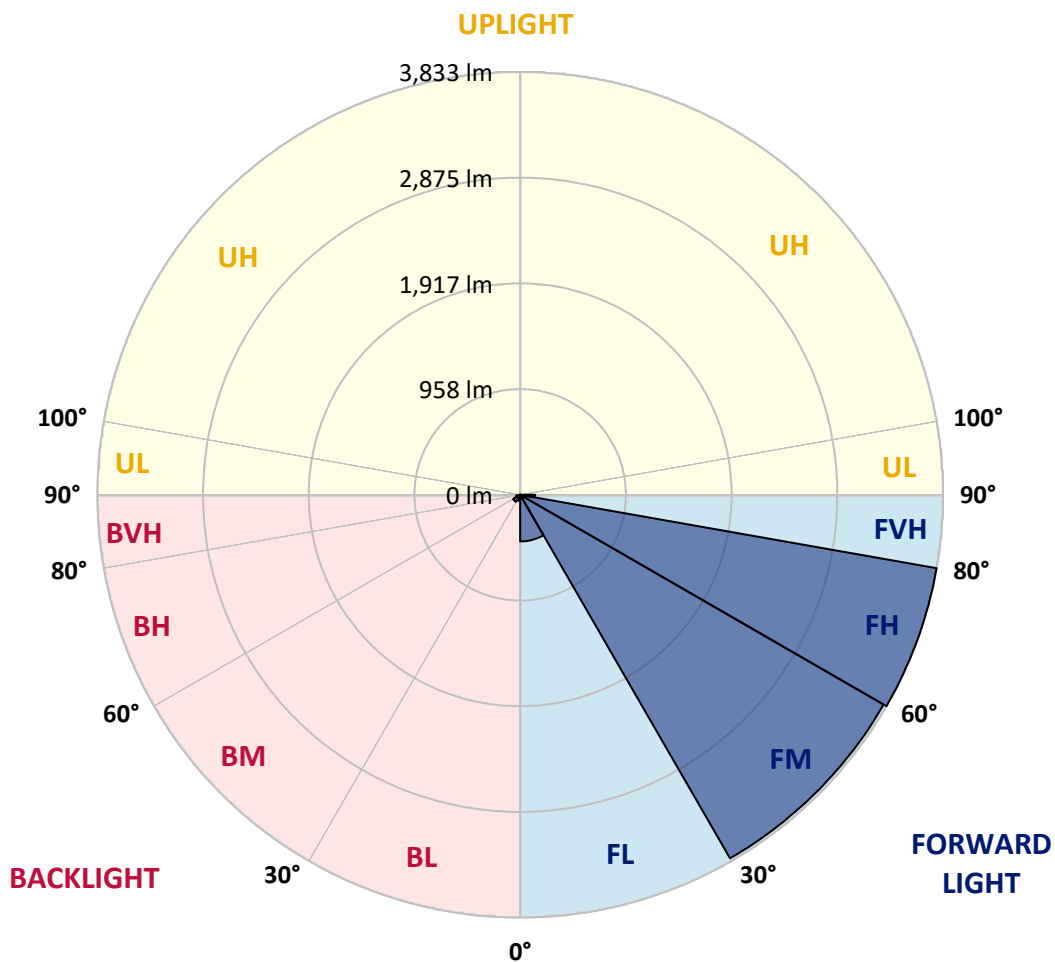
CATALOG NUMBER: AVM-E05-LED-E-U-T3-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.6	5.1			
FM	(30°-60°)	3804.7	45.5			
FH	(60°-80°)	3833.3	45.8			G2/5000
FVH	(80°-90°)	135.7	1.6			G2/225
BL	(0°-30°)	52.5	0.6	B0/110		
BM	(30°-60°)	71.9	0.9	B0/220		
BH	(60°-80°)	37.1	0.4	B0/110		G0/110
BVH	(80°-90°)	6.4	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°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	307.8	302.7	304.4	294.2	287.3	278.8	271.9	270.2	268.5	265.1	266.8
5°	442.9	437.8	425.8	405.3	386.5	357.4	328.4	326.6	321.5	316.4	313.0
7.5°	615.7	607.1	593.4	559.2	513.1	461.7	403.6	398.5	391.6	384.8	377.9
10°	815.8	810.6	785.0	745.6	675.5	591.7	494.2	489.1	473.7	465.2	458.3
12.5°	1026.1	1003.9	993.6	925.2	844.8	730.2	605.4	586.6	574.6	562.6	545.5
15°	1185.2	1188.6	1164.6	1109.9	1015.8	882.5	726.8	706.3	689.2	667.0	646.4
17.5°	1328.8	1322.0	1296.3	1262.1	1173.2	1038.1	856.8	829.4	802.1	790.1	761.0
20°	1445.1	1441.7	1421.2	1388.7	1320.3	1190.3	993.6	971.4	940.6	920.1	887.6
22.5°	1537.4	1537.4	1525.5	1506.7	1440.0	1335.6	1139.0	1115.0	1084.3	1058.6	1022.7
25°	1611.0	1609.3	1611.0	1602.4	1558.0	1462.2	1287.8	1260.4	1234.7	1204.0	1169.8
27.5°	1694.8	1698.2	1694.8	1689.7	1670.8	1593.9	1438.3	1419.4	1390.4	1357.9	1323.7
30°	1824.8	1814.5	1812.8	1809.4	1787.1	1739.2	1593.9	1571.7	1549.4	1527.2	1503.2
32.5°	1961.6	1944.5	1939.3	1939.3	1923.9	1881.2	1773.5	1761.5	1729.0	1711.9	1691.4
35°	2117.2	2110.4	2103.5	2105.2	2098.4	2053.9	1965.0	1968.4	1958.2	1923.9	1903.4
37.5°	2344.7	2346.4	2334.4	2312.2	2312.2	2272.8	2221.5	2214.7	2189.0	2180.5	2168.5
40°	2669.6	2661.0	2650.8	2618.3	2606.3	2539.6	2491.7	2474.6	2454.1	2452.4	2438.7
42.5°	3045.8	3035.6	3035.6	3011.6	2987.7	2907.3	2816.7	2804.7	2782.5	2789.3	2784.2
45°	3394.7	3403.2	3415.2	3432.3	3435.7	3401.5	3269.9	3254.5	3242.5	3235.7	3230.5
47.5°	3695.7	3711.1	3750.4	3824.0	3918.0	3930.0	3825.7	3784.6	3776.1	3764.1	3753.8
50°	3911.2	3933.4	4022.3	4166.0	4349.0	4461.8	4405.4	4371.2	4369.5	4337.0	4333.6
52.5°	4034.3	4058.2	4203.6	4420.8	4704.7	4925.3	4995.4	4993.7	4990.3	4961.2	4949.2
55°	4061.7	4087.3	4261.8	4557.6	4962.9	5344.3	5612.8	5619.6	5635.0	5626.5	5626.5
57.5°	3986.4	4018.9	4208.7	4574.7	5098.0	5676.1	6262.7	6302.0	6320.8	6387.5	6464.5
60°	3847.9	3871.8	4061.7	4470.4	5122.0	5978.8	7107.5	7232.3	7329.8	7461.5	7586.3
62.5°	3591.4	3639.3	3820.5	4265.2	5050.1	6327.7	8116.5	8347.4	8537.2	8737.3	8978.4
65°	3280.1	3300.6	3454.6	3842.8	4728.6	6461.0	8674.0	8899.8	9142.6	9356.4	9571.9
67.5°	2890.2	2907.3	3040.7	3206.6	3902.6	5836.8	8125.0	8374.7	8593.6	8769.8	9052.0
70°	1893.2	1930.8	2257.4	2421.6	2727.7	4314.8	6644.0	6885.2	7052.8	7172.5	7499.1
72.5°	1387.0	1410.9	1542.6	1881.2	1956.4	2549.9	4675.6	4937.3	4998.8	5224.6	5376.8
75°	846.5	906.4	1204.0	1611.0	1906.8	1746.1	2801.3	2927.8	3069.8	3233.9	3379.3
77.5°	171.0	195.0	393.3	1109.9	1677.7	1865.8	1672.6	1696.5	1766.6	1782.0	1836.7
80°	27.4	29.1	51.3	478.8	971.4	1508.4	1672.6	1650.3	1611.0	1583.6	1556.3
82.5°	12.0	13.7	22.2	121.4	206.9	502.8	1446.8	1559.7	1689.7	1761.5	1780.3
85°	5.1	5.1	8.6	23.9	30.8	34.2	244.6	323.2	576.3	766.2	882.5
87.5°	3.4	3.4	5.1	5.1	6.8	8.6	12.0	12.0	13.7	15.4	22.2
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):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	266.8	265.1	265.1	259.9	259.9	258.2	258.2	256.5	256.5	253.1	254.8
5°	311.3	307.8	304.4	299.3	297.6	294.2	290.7	285.6	283.9	280.5	278.8
7.5°	371.1	367.7	360.8	350.6	343.7	336.9	330.1	323.2	318.1	313.0	309.5
10°	444.6	434.4	431.0	410.4	401.9	388.2	379.7	372.8	362.6	354.0	348.9
12.5°	533.6	525.0	507.9	480.6	466.9	454.9	439.5	425.8	415.6	400.2	389.9
15°	625.9	619.1	595.1	564.4	547.3	525.0	509.6	496.0	473.7	463.5	444.6
17.5°	742.2	721.7	697.8	653.3	631.1	612.2	584.9	564.4	550.7	519.9	502.8
20°	861.9	839.7	808.9	759.3	728.5	699.5	677.2	649.9	620.8	600.3	571.2
22.5°	998.7	962.8	938.9	877.3	841.4	810.6	773.0	743.9	714.9	682.4	649.9
25°	1144.1	1108.2	1079.1	1009.0	971.4	940.6	896.1	855.1	819.2	783.3	745.6
27.5°	1296.3	1263.8	1231.3	1159.5	1127.0	1084.3	1043.2	995.3	949.1	916.7	865.3
30°	1472.5	1445.1	1409.2	1332.2	1296.3	1251.8	1209.1	1152.7	1108.2	1063.7	1014.1
32.5°	1662.3	1640.1	1602.4	1534.0	1491.3	1453.6	1407.5	1352.7	1289.5	1243.3	1185.2
35°	1893.2	1855.5	1833.3	1768.3	1735.8	1694.8	1646.9	1599.0	1532.3	1467.3	1417.7
37.5°	2156.5	2139.4	2110.4	2048.8	2024.8	1982.1	1951.3	1903.4	1852.1	1770.0	1717.0
40°	2426.7	2414.8	2389.1	2327.5	2303.6	2274.5	2238.6	2192.4	2130.9	2088.1	2009.5
42.5°	2770.5	2751.7	2731.2	2673.0	2626.8	2590.9	2575.5	2536.2	2471.2	2416.5	2354.9
45°	3206.6	3198.0	3170.7	3112.5	3066.3	3042.4	3018.5	2951.8	2909.0	2854.3	2811.5
47.5°	3733.3	3706.0	3692.3	3627.3	3611.9	3593.1	3531.5	3493.9	3432.3	3389.6	3336.6
50°	4302.8	4273.7	4275.4	4196.8	4200.2	4186.5	4140.3	4095.9	4042.9	4005.2	3972.7
52.5°	4915.0	4928.7	4894.5	4918.5	4891.1	4860.3	4851.8	4797.0	4750.9	4749.2	4704.7
55°	5667.5	5645.3	5653.8	5677.8	5640.2	5674.4	5657.3	5587.1	5588.9	5602.5	5551.2
57.5°	6476.4	6508.9	6579.0	6594.4	6659.4	6615.0	6731.3	6647.5	6698.8	6698.8	6664.6
60°	7663.3	7793.3	7962.6	8094.3	8215.7	8176.4	8328.6	8232.8	8301.2	8243.0	8214.0
62.5°	9093.0	9265.7	9465.8	9679.6	9802.7	9833.5	9811.3	9854.0	9787.3	9744.6	9633.4
65°	9780.5	9951.5	10126.0	10382.5	10416.7	10442.3	10432.1	10360.2	10278.2	10156.7	10011.4
67.5°	9209.3	9448.7	9546.2	9842.1	9941.3	9905.3	9917.3	9825.0	9696.7	9577.0	9363.2
70°	7635.9	7909.6	7960.9	8385.0	8503.0	8674.0	8612.4	8585.1	8444.8	8343.9	8107.9
72.5°	5559.8	5773.6	5756.5	6233.6	6213.1	6283.2	6449.1	6442.2	6295.2	6262.7	6064.3
75°	3422.1	3550.3	3543.5	3882.1	3740.2	3719.6	3765.8	3745.3	3606.8	3463.1	3340.0
77.5°	1812.8	1870.9	1809.4	1708.5	1698.2	1583.6	1551.1	1549.4	1443.4	1313.4	1217.6
80°	1527.2	1467.3	1395.5	1248.4	1162.9	1086.0	1014.1	947.4	875.6	779.8	663.5
82.5°	1783.7	1754.6	1703.3	1518.6	1429.7	1275.8	1161.2	1053.5	921.8	822.6	673.8
85°	868.8	867.1	908.1	889.3	856.8	850.0	737.1	713.1	660.1	605.4	506.2
87.5°	23.9	17.1	20.5	17.1	20.5	22.2	15.4	35.9	22.2	20.5	23.9
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°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	253.1	251.4	249.7	249.7	248.0	248.0	246.3	244.6	244.6	242.8	242.8
5°	275.3	271.9	270.2	268.5	265.1	263.4	259.9	258.2	254.8	253.1	249.7
7.5°	302.7	299.3	292.4	289.0	283.9	282.2	273.6	270.2	266.8	263.4	258.2
10°	336.9	328.4	321.5	314.7	306.1	299.3	292.4	287.3	280.5	271.9	268.5
12.5°	379.7	367.7	357.4	345.5	335.2	324.9	313.0	304.4	294.2	285.6	277.0
15°	427.5	410.4	396.8	379.7	362.6	350.6	338.6	326.6	313.0	301.0	290.7
17.5°	482.3	460.0	441.2	420.7	401.9	384.8	364.3	348.9	333.5	316.4	302.7
20°	540.4	518.2	492.5	470.3	442.9	424.1	398.5	377.9	355.7	338.6	319.8
22.5°	617.4	588.3	555.8	525.0	496.0	466.9	439.5	413.9	386.5	360.8	342.0
25°	708.0	672.1	631.1	600.3	559.2	526.7	492.5	460.0	431.0	398.5	367.7
27.5°	820.9	773.0	728.5	685.8	641.3	600.3	555.8	518.2	478.8	441.2	407.0
30°	952.6	906.4	839.7	791.8	747.3	690.9	646.4	596.9	552.4	497.7	460.0
32.5°	1127.0	1067.1	997.0	933.8	875.6	812.3	750.8	687.5	629.3	579.7	523.3
35°	1354.5	1284.3	1200.5	1120.2	1055.2	978.2	899.6	827.7	761.0	689.2	619.1
37.5°	1641.8	1576.8	1486.1	1388.7	1301.4	1209.1	1127.0	1026.1	937.2	850.0	761.0
40°	1927.4	1867.5	1773.5	1669.1	1556.3	1450.2	1345.9	1231.3	1118.5	1009.0	916.7
42.5°	2279.7	2190.7	2089.8	1971.8	1862.4	1735.8	1605.9	1474.2	1339.1	1207.4	1075.7
45°	2722.6	2654.2	2512.2	2385.7	2255.7	2106.9	1946.2	1795.7	1623.0	1467.3	1292.9
47.5°	3261.3	3138.2	3033.9	2917.6	2755.1	2611.4	2406.2	2228.4	2012.9	1805.9	1597.3
50°	3897.5	3829.1	3690.6	3545.2	3369.0	3198.0	2997.9	2741.4	2483.2	2262.6	1977.0
52.5°	4641.4	4543.9	4456.7	4306.2	4126.7	3907.8	3680.3	3401.5	3085.2	2773.9	2469.5
55°	5523.9	5455.5	5371.7	5251.9	5022.8	4774.8	4501.2	4167.7	3793.2	3374.2	3020.2
57.5°	6662.8	6591.0	6510.6	6264.4	6108.7	5804.3	5407.6	5062.1	4658.5	4121.5	3682.0
60°	8217.4	8119.9	8007.0	7807.0	7482.0	7087.0	6661.1	6149.8	5655.6	5069.0	4492.6
62.5°	9546.2	9390.6	9149.4	8891.2	8501.3	8048.1	7512.8	6910.8	6348.2	5688.0	5046.7
65°	9819.8	9606.1	9322.2	8985.3	8583.4	8072.0	7512.8	6936.5	6274.6	5653.8	5009.1
67.5°	9108.4	8860.4	8569.7	8193.5	7810.4	7283.6	6801.4	6214.8	5592.3	5055.3	4479.0
70°	7938.6	7570.9	7273.4	6873.2	6485.0	6071.1	5563.2	5123.7	4617.5	4123.2	3682.0
72.5°	5961.7	5599.1	5328.9	5009.1	4778.2	4340.4	3967.6	3639.3	3340.0	2970.6	2643.9
75°	3213.4	2941.5	2760.2	2614.9	2407.9	2118.9	1941.0	1715.3	1588.8	1434.8	1286.1
77.5°	1048.3	923.5	788.4	656.7	564.4	424.1	410.4	326.6	307.8	299.3	230.9
80°	537.0	413.9	299.3	215.5	164.2	145.4	138.5	131.7	124.8	119.7	111.2
82.5°	538.7	389.9	268.5	186.4	135.1	112.9	106.0	102.6	97.5	92.3	85.5
85°	393.3	290.7	200.1	136.8	94.1	75.2	71.8	66.7	63.3	61.6	54.7
87.5°	25.7	18.8	17.1	15.4	15.4	15.4	17.1	15.4	17.1	17.1	15.4
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	241.1	239.4	239.4	237.7	236.0	236.0	234.3	234.3	229.2	220.6	213.8
5°	248.0	244.6	242.8	241.1	239.4	236.0	234.3	232.6	224.0	206.9	193.2
7.5°	253.1	249.7	248.0	244.6	239.4	237.7	234.3	230.9	217.2	193.2	177.9
10°	261.7	256.5	251.4	246.3	241.1	237.7	232.6	229.2	208.6	181.3	165.9
12.5°	270.2	263.4	256.5	248.0	242.8	237.7	232.6	225.7	201.8	171.0	153.9
15°	280.5	270.2	261.7	253.1	244.6	237.7	229.2	224.0	195.0	162.5	147.1
17.5°	290.7	278.8	266.8	254.8	246.3	236.0	229.2	220.6	188.1	155.6	138.5
20°	302.7	285.6	273.6	259.9	248.0	236.0	225.7	217.2	181.3	147.1	130.0
22.5°	319.8	299.3	280.5	265.1	249.7	237.7	225.7	213.8	174.4	140.2	123.1
25°	342.0	316.4	294.2	275.3	256.5	241.1	227.5	215.5	169.3	135.1	114.6
27.5°	374.5	342.0	318.1	292.4	268.5	249.7	232.6	218.9	165.9	130.0	109.5
30°	413.9	381.4	343.7	313.0	287.3	261.7	242.8	222.3	162.5	124.8	102.6
32.5°	472.0	425.8	381.4	343.7	307.8	278.8	251.4	230.9	160.8	116.3	95.8
35°	555.8	492.5	439.5	389.9	340.3	304.4	271.9	244.6	159.0	109.5	88.9
37.5°	675.5	600.3	531.9	461.7	400.2	348.9	304.4	268.5	159.0	104.3	82.1
40°	803.8	706.3	619.1	531.9	453.2	388.2	328.4	283.9	155.6	97.5	75.2
42.5°	949.1	829.4	709.7	602.0	504.5	420.7	350.6	295.9	147.1	90.6	68.4
45°	1144.1	986.8	843.1	704.6	578.0	468.6	379.7	309.5	138.5	85.5	61.6
47.5°	1388.7	1205.7	1019.3	844.8	678.9	540.4	422.4	331.8	133.4	78.7	56.4
50°	1752.9	1493.0	1246.7	1024.4	814.0	632.8	485.7	364.3	128.3	73.5	51.3
52.5°	2153.1	1833.3	1544.3	1258.7	997.0	757.6	559.2	407.0	123.1	68.4	46.2
55°	2640.5	2247.2	1894.9	1523.8	1188.6	903.0	649.9	454.9	116.3	63.3	42.8
57.5°	3242.5	2744.8	2327.5	1874.4	1453.6	1091.1	771.3	535.3	109.5	56.4	37.6
60°	3914.6	3351.9	2826.9	2295.1	1785.4	1340.8	950.9	649.9	102.6	49.6	32.5
62.5°	4398.6	3781.2	3180.9	2584.1	2024.8	1527.2	1096.2	738.8	92.3	42.8	29.1
65°	4393.4	3767.5	3163.8	2575.5	2031.7	1534.0	1101.4	755.9	82.1	37.6	25.7
67.5°	3914.6	3387.9	2849.2	2320.7	1845.3	1395.5	1019.3	701.2	70.1	34.2	22.2
70°	3220.3	2801.3	2375.4	1956.4	1575.1	1195.4	880.7	610.5	59.9	30.8	18.8
72.5°	2351.5	2045.4	1785.4	1489.6	1229.6	944.0	702.9	478.8	47.9	25.7	17.1
75°	1168.1	1044.9	896.1	803.8	685.8	560.9	436.1	278.8	39.3	20.5	15.4
77.5°	222.3	198.4	189.8	164.2	150.5	133.4	118.0	83.8	30.8	15.4	13.7
80°	102.6	94.1	85.5	77.0	68.4	58.1	51.3	44.5	23.9	12.0	15.4
82.5°	80.4	73.5	65.0	58.1	51.3	44.5	37.6	32.5	15.4	10.3	15.4
85°	53.0	46.2	41.0	35.9	30.8	27.4	23.9	20.5	10.3	10.3	10.3
87.5°	15.4	15.4	13.7	13.7	12.0	12.0	10.3	10.3	8.6	8.6	8.6
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-E05-LED-E-U-T3-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	232.6	232.6	232.6	232.6	232.6	232.6	232.6
2.5°	206.9	198.4	195.0	193.2	193.2	195.0	193.2
5°	183.0	174.4	171.0	167.6	167.6	167.6	169.3
7.5°	167.6	159.0	153.9	152.2	150.5	152.2	152.2
10°	153.9	147.1	140.2	136.8	136.8	136.8	136.8
12.5°	143.7	135.1	128.3	126.6	124.8	124.8	124.8
15°	135.1	124.8	119.7	116.3	114.6	114.6	116.3
17.5°	124.8	116.3	109.5	107.7	107.7	107.7	107.7
20°	118.0	107.7	102.6	99.2	99.2	99.2	99.2
22.5°	109.5	100.9	94.1	90.6	90.6	90.6	90.6
25°	102.6	94.1	87.2	83.8	83.8	83.8	83.8
27.5°	95.8	87.2	80.4	77.0	77.0	77.0	77.0
30°	88.9	80.4	73.5	70.1	70.1	70.1	70.1
32.5°	83.8	73.5	66.7	63.3	63.3	65.0	63.3
35°	75.2	66.7	59.9	56.4	56.4	56.4	56.4
37.5°	68.4	59.9	53.0	49.6	49.6	49.6	47.9
40°	63.3	53.0	46.2	42.8	41.0	41.0	41.0
42.5°	54.7	44.5	39.3	35.9	34.2	34.2	34.2
45°	49.6	39.3	32.5	29.1	29.1	29.1	29.1
47.5°	44.5	34.2	27.4	23.9	23.9	25.7	25.7
50°	39.3	29.1	22.2	22.2	22.2	23.9	23.9
52.5°	34.2	25.7	20.5	20.5	22.2	23.9	23.9
55°	30.8	22.2	18.8	20.5	22.2	23.9	23.9
57.5°	27.4	18.8	18.8	20.5	22.2	23.9	23.9
60°	23.9	17.1	17.1	18.8	22.2	23.9	23.9
62.5°	20.5	17.1	17.1	18.8	22.2	23.9	23.9
65°	18.8	17.1	17.1	18.8	22.2	23.9	23.9
67.5°	17.1	15.4	17.1	18.8	20.5	22.2	22.2
70°	15.4	15.4	17.1	18.8	20.5	22.2	22.2
72.5°	15.4	15.4	15.4	17.1	18.8	20.5	20.5
75°	15.4	15.4	15.4	17.1	18.8	20.5	20.5
77.5°	15.4	13.7	13.7	15.4	18.8	20.5	20.5
80°	15.4	13.7	13.7	15.4	17.1	20.5	20.5
82.5°	12.0	12.0	13.7	15.4	17.1	18.8	18.8
85°	10.3	12.0	12.0	13.7	15.4	18.8	18.8
87.5°	8.6	8.6	10.3	12.0	13.7	15.4	15.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)