

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: P154236

Luminaire Tested: **AVM-F05-LED-E-U-T2-HSS-7050**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154236
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-F05-LED-E-U-T2-HSS-7050
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (35) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6782.1 lumens
Efficiency: N/A
Efficacy: 50.9 lumens/watt
Luminous Opening: Rectangular (W 0.83' x L: 1' x H: 0')
IES Classification: Type II - Short - Non-Cutoff
BUG Rating: B0 - U0 - G2

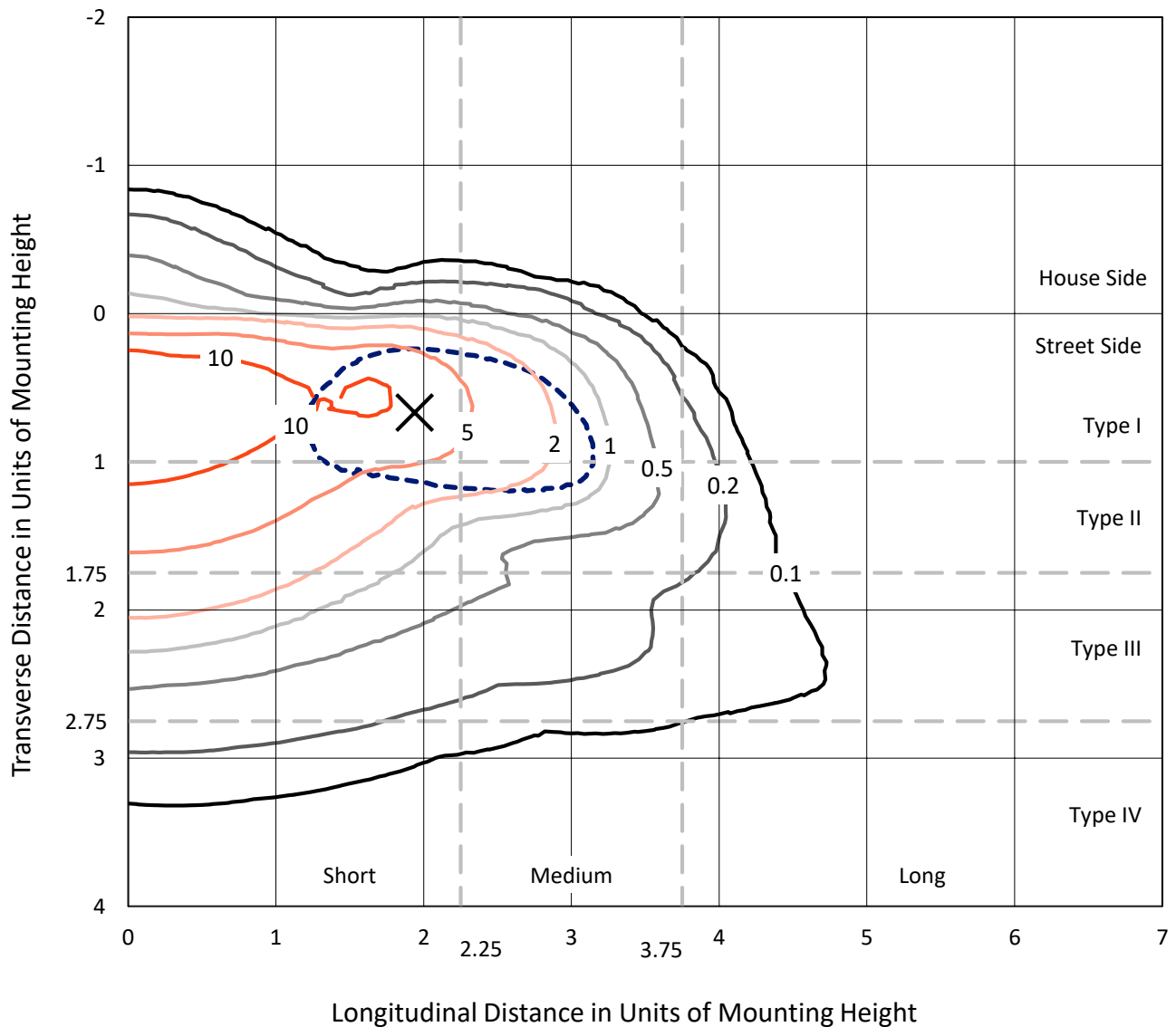
Input Watts (W): 133.3
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

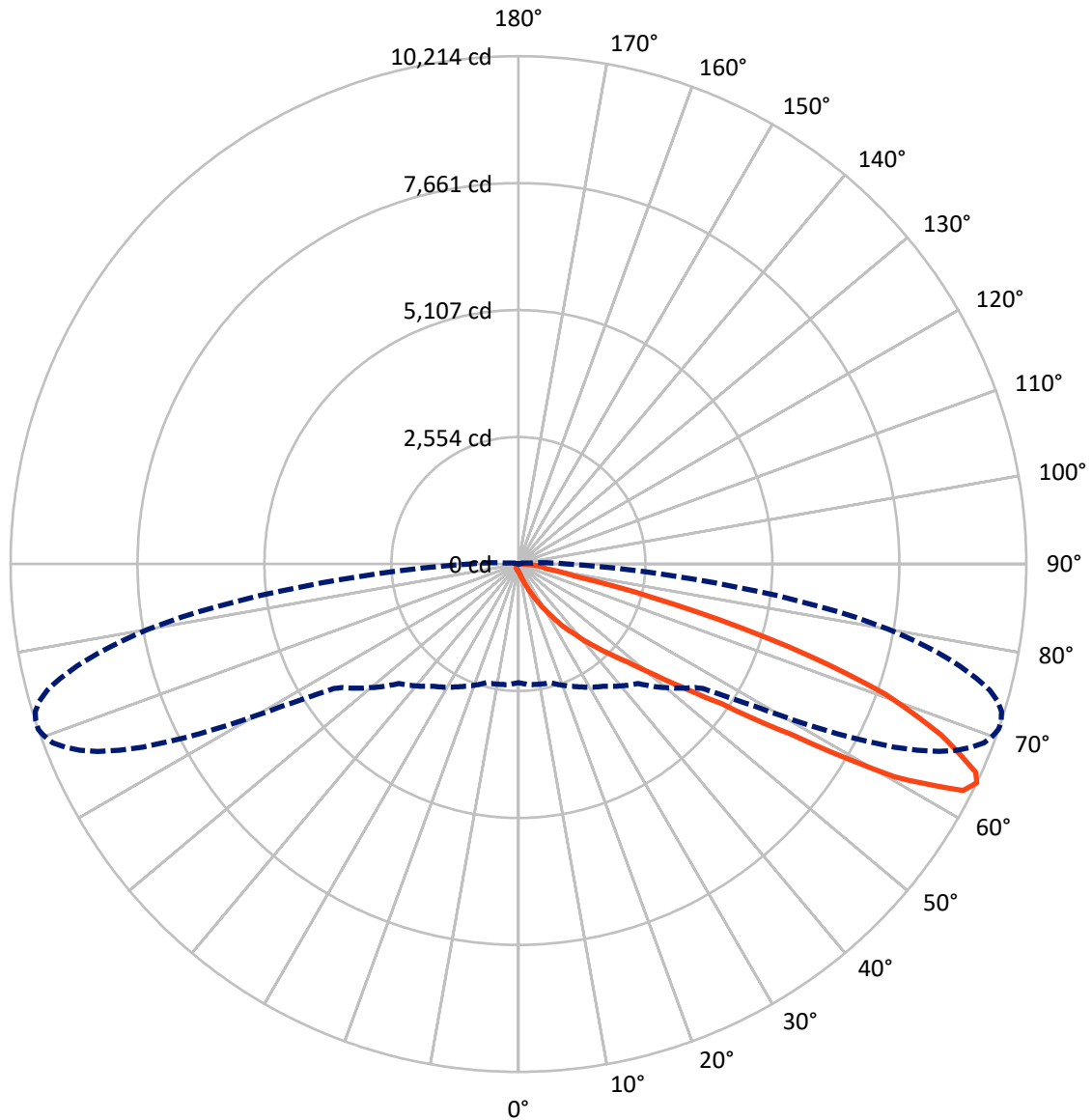
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.2 fc
 Type II - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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

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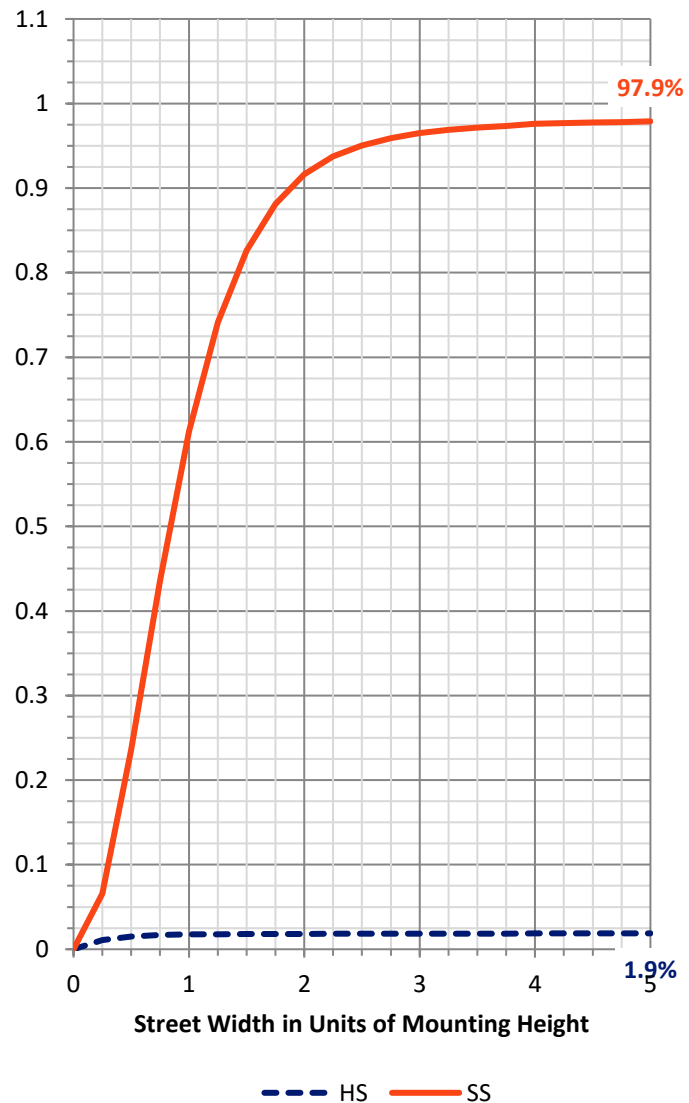
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	129.9	0.0	129.9
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	6652.2	0.0	6652.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	6782.1	0.0	6782.1
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.3
10°-20°	122.6	1.8
20°-30°	313.2	4.6
30°-40°	633.5	9.3
40°-50°	1158.0	17.1
50°-60°	1804.2	26.6
60°-70°	2005.4	29.6
70°-80°	654.0	9.6
80°-90°	70.4	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°	6782.1	100.0
0°-180°	6782.1	100.0



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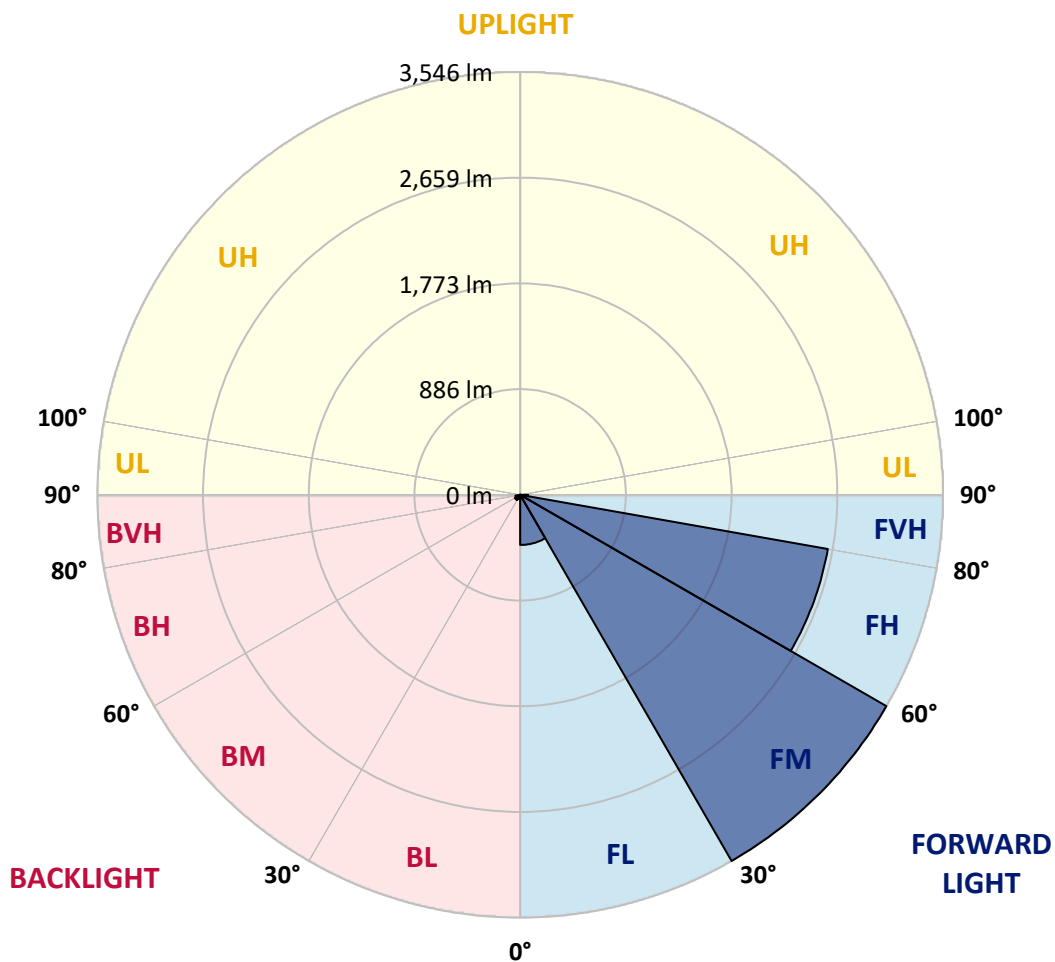
CATALOG NUMBER: AVM-F05-LED-E-U-T2-HSS-7050

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	420.5	6.2			
FM (30°-60°)	3545.5	52.3			
FH (60°-80°)	2619.3	38.6			G2/5000
FVH (80°-90°)	67.0	1.0			G1/100
BL (0°-30°)	36.2	0.5	B0/110		
BM (30°-60°)	50.2	0.7	B0/220		
BH (60°-80°)	40.1	0.6	B0/110		G0/110
BVH (80°-90°)	3.4	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	203.3	200.5	200.5	196.2	190.6	184.9	179.3	177.9	176.5	175.1	175.1
5°	319.1	307.8	303.5	288.0	268.2	244.2	223.1	217.4	217.4	213.2	210.4
7.5°	501.2	495.5	465.9	450.4	403.8	345.9	285.2	279.5	278.1	272.5	264.0
10°	734.1	722.8	701.7	656.5	571.8	471.5	385.4	371.3	361.4	350.1	338.8
12.5°	967.1	953.0	921.9	848.5	763.8	635.3	497.0	484.2	468.7	453.2	434.8
15°	1200.0	1190.1	1142.1	1068.7	958.6	804.7	629.7	607.1	594.4	563.3	549.2
17.5°	1401.9	1389.2	1351.1	1267.8	1153.4	984.0	776.5	748.3	727.1	708.7	674.8
20°	1577.0	1564.3	1527.6	1458.4	1329.9	1163.3	934.6	920.5	882.4	854.1	834.4
22.5°	1684.3	1680.0	1656.0	1589.7	1475.3	1327.1	1115.3	1092.7	1067.3	1029.2	1006.6
25°	1750.6	1746.4	1732.3	1685.7	1608.0	1499.3	1314.4	1286.1	1263.6	1229.7	1201.4
27.5°	1819.8	1817.0	1805.7	1764.7	1723.8	1656.0	1516.3	1500.7	1451.3	1431.6	1404.7
30°	1934.2	1921.4	1931.3	1911.6	1859.3	1817.0	1719.6	1697.0	1675.8	1641.9	1617.9
32.5°	2116.3	2095.1	2116.3	2095.1	2072.5	2021.7	1928.5	1921.4	1900.3	1879.1	1845.2
35°	2339.3	2330.9	2347.8	2366.2	2347.8	2280.0	2167.1	2145.9	2137.5	2103.6	2090.9
37.5°	2563.8	2579.3	2610.4	2651.3	2640.1	2590.6	2431.1	2411.3	2395.8	2366.2	2343.6
40°	2805.2	2806.6	2873.0	2932.3	2961.9	2932.3	2721.9	2706.4	2685.2	2642.9	2637.2
42.5°	3067.8	3056.5	3105.9	3172.3	3233.0	3273.9	3105.9	3076.3	3046.6	2998.6	2966.2
45°	3300.8	3300.8	3340.3	3402.4	3495.6	3598.7	3511.1	3480.1	3451.8	3412.3	3375.6
47.5°	3473.0	3474.4	3498.4	3588.8	3734.2	3888.1	3890.9	3896.5	3875.4	3828.8	3830.2
50°	3594.4	3578.9	3611.4	3698.9	3866.9	4108.3	4282.0	4291.8	4308.8	4270.7	4282.0
52.5°	3683.4	3676.3	3697.5	3770.9	3938.9	4234.0	4602.4	4644.8	4670.2	4675.9	4722.4
55°	3636.8	3641.0	3691.8	3797.7	3978.4	4317.3	4874.9	4944.1	5003.4	5054.2	5112.1
57.5°	3482.9	3495.6	3584.5	3749.7	3986.9	4385.0	5164.3	5270.2	5381.8	5517.3	5631.6
60°	3237.2	3266.9	3386.9	3618.4	3905.0	4296.1	5250.5	5412.8	5583.6	5789.8	6019.9
62.5°	2877.2	2882.9	2961.9	3186.4	3502.7	3823.1	4855.2	5062.7	5288.6	5586.5	5908.4
64°	2384.5	2435.3	2472.0	2719.1	3001.5	3401.0	4332.8	4476.8	4791.6	5157.3	5562.5
65°	1968.0	2028.7	2058.4	2305.5	2628.8	3009.9	3878.2	4032.1	4363.9	4735.2	5240.6
67.5°	1160.5	1119.6	1205.7	1351.1	1622.1	2073.9	2616.1	2733.2	2980.3	3422.2	3826.0
70°	748.3	748.3	827.3	975.5	1226.8	1572.7	1797.2	1747.8	1800.0	1970.9	2256.0
72.5°	480.0	505.4	553.4	679.1	912.0	1318.6	1836.7	1603.8	1482.4	1425.9	1423.1
75°	218.8	232.9	285.2	360.0	487.1	859.8	1852.3	1750.6	1639.1	1531.8	1448.5
77.5°	46.6	53.6	90.4	186.4	237.2	396.7	1314.4	1466.9	1588.3	1623.6	1623.6
80°	24.0	25.4	38.1	87.5	101.6	134.1	506.8	666.4	821.7	1026.4	1241.0
82.5°	9.9	11.3	22.6	39.5	42.4	40.9	134.1	169.4	232.9	338.8	505.4
85°	2.8	2.8	9.9	15.5	22.6	18.4	29.6	33.9	43.8	63.5	121.4
87.5°	0.0	0.0	1.4	2.8	4.2	7.1	8.5	8.5	8.5	8.5	8.5
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°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	173.7	173.7	172.2	170.8	170.8	168.0	168.0	166.6	166.6	165.2	165.2
5°	208.9	206.1	203.3	199.1	197.7	194.8	192.0	189.2	186.4	184.9	182.1
7.5°	259.8	256.9	248.5	242.8	235.8	231.5	225.9	221.7	217.4	214.6	208.9
10°	327.5	317.7	313.4	293.7	289.4	279.5	271.1	265.4	254.1	247.1	240.0
12.5°	423.5	405.2	398.1	364.2	354.4	340.2	330.4	316.2	303.5	295.1	282.4
15°	532.2	518.1	491.3	457.4	439.1	423.5	399.5	388.2	371.3	352.9	334.6
17.5°	662.1	636.7	607.1	563.3	540.7	516.7	494.1	470.1	441.9	424.9	405.2
20°	813.2	786.4	749.7	694.6	667.8	643.8	604.2	587.3	553.4	519.5	494.1
22.5°	978.4	951.5	916.3	854.1	818.8	779.3	746.8	717.2	677.7	643.8	614.1
25°	1164.7	1133.7	1106.8	1034.8	991.1	950.1	914.8	862.6	828.7	789.2	748.3
27.5°	1376.5	1339.8	1304.5	1225.4	1184.5	1139.3	1097.0	1041.9	1009.4	944.5	906.4
30°	1593.9	1548.7	1512.0	1431.6	1394.9	1348.3	1290.4	1241.0	1185.9	1142.1	1080.0
32.5°	1822.6	1785.9	1756.3	1671.6	1625.0	1567.1	1514.9	1462.6	1414.6	1344.0	1287.6
35°	2066.9	2034.4	2001.9	1928.5	1887.6	1843.8	1784.5	1721.0	1654.6	1581.2	1530.4
37.5°	2323.8	2298.4	2273.0	2184.0	2136.0	2089.5	2021.7	1958.2	1898.9	1821.2	1735.1
40°	2593.5	2569.5	2528.5	2455.1	2404.3	2361.9	2299.8	2240.5	2160.0	2073.9	1997.7
42.5°	2932.3	2880.1	2844.8	2764.3	2710.6	2664.1	2609.0	2520.0	2452.3	2349.2	2275.8
45°	3329.0	3279.6	3221.7	3139.8	3073.5	2997.2	2919.6	2858.9	2774.2	2681.0	2586.4
47.5°	3775.1	3735.6	3667.8	3587.4	3521.0	3444.8	3353.0	3275.4	3172.3	3063.6	2935.1
50°	4266.4	4225.5	4180.3	4090.0	4023.6	3951.6	3879.6	3787.8	3694.7	3564.8	3432.1
52.5°	4722.4	4730.9	4704.1	4661.7	4629.3	4554.4	4488.1	4400.6	4318.7	4200.1	4097.0
55°	5172.8	5246.2	5274.5	5315.4	5329.5	5268.8	5267.4	5138.9	5089.5	5020.3	4961.0
57.5°	5767.2	5929.5	6058.0	6306.5	6411.0	6516.8	6536.6	6446.2	6539.4	6419.4	6460.4
60°	6272.6	6570.5	6889.5	7531.9	7853.8	8096.6	8291.5	8435.5	8528.6	8686.8	8695.2
62.5°	6317.8	6786.5	7272.1	8209.6	8650.1	9018.5	9370.1	9615.7	9810.5	9989.8	10033.6
64°	6101.8	6682.0	7272.1	8405.8	8856.2	9265.6	9586.1	9830.3	10029.4	10140.9	10214.3
65°	5709.3	6358.7	7037.8	8275.9	8740.4	9175.2	9481.6	9727.3	9915.0	10026.6	10102.8
67.5°	4229.7	4858.0	5539.9	6981.3	7712.6	8110.7	8503.2	8847.7	8998.8	9139.9	9166.8
70°	2577.9	3033.9	3504.1	4841.0	5520.1	6235.9	6677.8	7181.8	7534.7	7752.2	7824.2
72.5°	1555.8	1713.9	1994.9	2713.5	3364.3	3866.9	4478.2	4959.6	5354.9	5573.8	5683.9
75°	1385.0	1365.2	1401.9	1701.2	1932.7	2234.9	2456.5	2758.6	3002.9	3079.1	3221.7
77.5°	1601.0	1544.5	1486.6	1430.1	1418.9	1390.6	1345.4	1356.7	1249.4	1146.4	1149.2
80°	1425.9	1561.4	1641.9	1582.6	1448.5	1313.0	1146.4	938.8	734.1	607.1	553.4
82.5°	715.8	1017.9	1308.7	1596.7	1577.0	1457.0	1273.4	1046.1	810.4	622.6	497.0
85°	220.2	391.1	550.6	765.2	888.0	871.1	765.2	744.0	530.8	413.7	319.1
87.5°	9.9	9.9	9.9	8.5	9.9	9.9	9.9	11.3	11.3	12.7	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



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CANDELA DISTRIBUTION (continued):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	165.2	163.8	162.4	160.9	160.9	160.9	159.5	159.5	158.1	158.1	156.7
5°	182.1	179.3	177.9	175.1	175.1	172.2	170.8	169.4	166.6	165.2	163.8
7.5°	204.7	201.9	197.7	193.4	192.0	187.8	183.5	180.7	177.9	175.1	172.2
10°	234.4	228.7	220.2	214.6	210.4	204.7	199.1	194.8	189.2	183.5	180.7
12.5°	272.5	261.2	252.7	242.8	234.4	225.9	216.0	210.4	204.7	196.2	190.6
15°	316.2	304.9	295.1	278.1	264.0	252.7	244.2	231.5	221.7	210.4	201.9
17.5°	391.1	361.4	341.7	324.7	310.6	289.4	272.5	258.4	245.7	231.5	221.7
20°	464.5	439.1	412.2	392.5	361.4	343.1	320.5	300.7	278.1	261.2	244.2
22.5°	571.8	539.3	505.4	475.8	433.4	408.0	378.4	352.9	324.7	296.5	278.1
25°	707.3	659.3	614.1	571.8	532.2	494.1	456.0	415.1	385.4	351.5	320.5
27.5°	849.9	796.3	752.5	697.4	646.6	600.0	552.0	508.2	457.4	413.7	376.9
30°	1029.2	955.8	905.0	838.6	787.8	722.8	663.5	605.7	543.5	492.7	440.5
32.5°	1211.3	1161.9	1075.8	1019.3	943.1	865.4	803.3	737.0	660.7	594.4	530.8
35°	1451.3	1366.6	1294.6	1215.6	1132.3	1051.8	971.3	876.7	799.1	717.2	639.5
37.5°	1663.1	1577.0	1493.7	1390.6	1296.0	1211.3	1113.9	1015.1	923.3	825.9	732.7
40°	1908.7	1801.4	1702.6	1606.6	1489.4	1389.2	1287.6	1164.7	1058.8	951.5	841.4
42.5°	2177.0	2068.3	1951.1	1841.0	1712.5	1589.7	1464.0	1341.2	1222.6	1092.7	964.3
45°	2470.6	2356.3	2225.0	2099.3	1959.6	1824.0	1674.4	1533.2	1393.4	1248.0	1099.8
47.5°	2834.9	2688.1	2566.6	2409.9	2236.3	2093.7	1910.2	1749.2	1589.7	1420.3	1253.7
50°	3306.4	3139.8	2964.8	2791.1	2599.1	2418.4	2215.1	2024.5	1811.3	1622.1	1431.6
52.5°	3931.8	3807.6	3604.3	3405.2	3170.9	2940.8	2661.2	2414.2	2140.3	1898.9	1665.9
55°	4819.9	4738.0	4561.5	4344.1	4139.4	3803.4	3481.5	3097.5	2741.7	2394.4	2066.9
57.5°	6427.9	6338.9	6142.7	6090.5	5775.6	5528.6	5151.6	4654.7	4051.8	3521.0	2991.6
60°	8743.2	8569.6	8377.6	8342.3	7972.4	7712.6	7338.5	6809.1	6241.5	5394.5	4673.0
62.5°	10036.4	9984.2	9828.9	9638.3	9317.8	8932.4	8511.7	7999.2	7423.2	6680.6	5822.2
64°	10210.1	10162.1	10028.0	9813.4	9491.5	9108.9	8643.0	8131.9	7554.5	6876.8	6093.3
65°	10101.4	10033.6	9919.3	9721.6	9422.3	9055.2	8586.5	8068.4	7482.5	6830.3	6101.8
67.5°	9224.7	9193.6	9089.1	8905.6	8717.8	8387.5	7975.2	7512.1	7033.6	6387.0	5789.8
70°	7832.6	7810.0	7677.3	7603.9	7293.3	7084.4	6751.2	6387.0	5963.4	5513.1	5004.8
72.5°	5806.7	5730.5	5623.2	5511.6	5301.3	5014.7	4754.9	4366.7	4147.8	3768.1	3481.5
75°	3079.1	3031.1	2864.5	2631.6	2371.8	2237.7	1968.0	1726.6	1534.6	1448.5	1241.0
77.5°	1064.5	969.9	876.7	772.3	612.7	482.8	385.4	307.8	242.8	214.6	179.3
80°	530.8	504.0	474.4	415.1	348.7	280.9	220.2	173.7	142.6	121.4	108.7
82.5°	430.6	381.2	340.2	297.9	238.6	196.2	155.3	127.1	104.5	91.8	80.5
85°	254.1	194.8	148.2	134.1	104.5	90.4	77.6	66.4	56.5	53.6	49.4
87.5°	9.9	12.7	12.7	9.9	12.7	11.3	11.3	9.9	9.9	9.9	9.9
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	156.7	155.3	155.3	153.9	152.5	152.5	152.5	151.1	148.2	142.6	138.4
5°	162.4	160.9	159.5	156.7	155.3	153.9	152.5	152.5	145.4	135.5	128.5
7.5°	169.4	166.6	163.8	160.9	159.5	156.7	153.9	152.5	142.6	129.9	122.8
10°	176.5	172.2	168.0	166.6	162.4	159.5	155.3	152.5	141.2	125.6	115.8
12.5°	184.9	179.3	173.7	169.4	163.8	160.9	156.7	152.5	138.4	121.4	110.1
15°	194.8	186.4	179.3	175.1	169.4	162.4	156.7	152.5	135.5	117.2	104.5
17.5°	207.5	197.7	189.2	180.7	172.2	165.2	159.5	153.9	131.3	111.5	97.4
20°	227.3	214.6	200.5	190.6	179.3	170.8	160.9	153.9	128.5	105.9	91.8
22.5°	254.1	234.4	218.8	201.9	187.8	176.5	165.2	156.7	124.2	100.2	84.7
25°	292.2	266.8	241.4	220.2	201.9	186.4	172.2	160.9	121.4	96.0	80.5
27.5°	334.6	304.9	271.1	245.7	220.2	197.7	182.1	168.0	121.4	93.2	76.2
30°	393.9	351.5	310.6	278.1	244.2	218.8	196.2	177.9	121.4	91.8	72.0
32.5°	465.9	417.9	365.7	319.1	279.5	242.8	214.6	190.6	124.2	88.9	69.2
35°	566.1	495.5	433.4	375.5	323.3	280.9	244.2	211.8	128.5	87.5	64.9
37.5°	645.2	560.5	481.4	415.1	354.4	302.1	255.5	220.2	124.2	81.9	60.7
40°	739.8	643.8	547.8	464.5	395.3	327.5	273.9	231.5	121.4	74.8	55.1
42.5°	854.1	734.1	622.6	528.0	441.9	361.4	297.9	245.7	121.4	70.6	50.8
45°	961.4	830.1	705.9	587.3	487.1	398.1	320.5	261.2	120.0	66.4	45.2
47.5°	1094.1	938.8	793.4	656.5	540.7	432.0	344.5	275.3	118.6	62.1	40.9
50°	1250.8	1061.7	897.9	734.1	593.0	473.0	372.7	290.8	115.8	57.9	36.7
52.5°	1424.5	1221.2	1012.3	823.1	657.9	516.7	399.5	304.9	111.5	53.6	32.5
55°	1732.3	1452.7	1205.7	971.3	756.7	581.7	439.1	326.1	107.3	49.4	28.2
57.5°	2470.6	2007.6	1657.4	1304.5	996.7	746.8	546.4	386.8	101.6	43.8	22.6
60°	3879.6	3115.8	2521.5	1977.9	1507.8	1146.4	804.7	571.8	108.7	36.7	19.8
62.5°	4976.6	4098.4	3341.7	2659.8	2065.5	1569.9	1171.8	854.1	156.7	32.5	15.5
64°	5263.2	4373.7	3566.2	2851.8	2233.5	1722.4	1307.3	965.7	201.9	32.5	14.1
65°	5305.5	4458.4	3646.7	2922.4	2291.3	1763.3	1346.9	1002.4	220.2	33.9	12.7
67.5°	5130.5	4409.0	3670.7	2952.1	2335.1	1819.8	1400.5	1060.3	248.5	32.5	9.9
70°	4481.0	3950.2	3343.1	2761.5	2202.4	1729.4	1346.9	1027.8	259.8	31.1	8.5
72.5°	3049.5	2683.8	2325.2	1913.0	1533.2	1263.6	982.6	724.2	182.1	25.4	7.1
75°	1016.5	991.1	886.6	672.0	564.7	458.8	367.1	282.4	69.2	15.5	7.1
77.5°	169.4	145.4	127.1	121.4	101.6	98.8	86.1	69.2	29.6	9.9	7.1
80°	98.8	90.4	79.1	70.6	62.1	55.1	46.6	39.5	18.4	7.1	8.5
82.5°	73.4	64.9	57.9	50.8	43.8	38.1	32.5	26.8	9.9	7.1	8.5
85°	42.4	36.7	32.5	28.2	22.6	19.8	16.9	14.1	7.1	7.1	7.1
87.5°	8.5	8.5	7.1	7.1	7.1	7.1	7.1	5.6	7.1	7.1	5.6
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-F05-LED-E-U-T2-HSS-7050

CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	151.1	151.1	151.1	151.1	151.1	151.1	151.1
2.5°	135.5	131.3	129.9	129.9	129.9	129.9	129.9
5°	124.2	120.0	117.2	115.8	115.8	115.8	115.8
7.5°	115.8	110.1	107.3	104.5	104.5	103.1	103.1
10°	107.3	101.6	97.4	94.6	93.2	93.2	93.2
12.5°	100.2	94.6	88.9	86.1	86.1	84.7	84.7
15°	94.6	86.1	81.9	79.1	79.1	77.6	77.6
17.5°	87.5	80.5	76.2	73.4	72.0	72.0	72.0
20°	80.5	73.4	69.2	67.8	66.4	66.4	64.9
22.5°	74.8	67.8	63.5	62.1	60.7	60.7	59.3
25°	69.2	62.1	57.9	56.5	55.1	53.6	53.6
27.5°	64.9	57.9	53.6	50.8	49.4	48.0	48.0
30°	60.7	52.2	48.0	45.2	43.8	42.4	42.4
32.5°	56.5	48.0	42.4	39.5	38.1	36.7	36.7
35°	50.8	42.4	36.7	35.3	33.9	32.5	31.1
37.5°	46.6	36.7	32.5	29.6	28.2	26.8	26.8
40°	40.9	32.5	28.2	25.4	22.6	21.2	21.2
42.5°	36.7	28.2	24.0	19.8	18.4	16.9	16.9
45°	32.5	25.4	19.8	15.5	14.1	12.7	12.7
47.5°	28.2	21.2	15.5	12.7	11.3	9.9	9.9
50°	24.0	16.9	11.3	8.5	9.9	8.5	8.5
52.5°	21.2	12.7	8.5	8.5	8.5	8.5	8.5
55°	16.9	9.9	7.1	7.1	8.5	8.5	8.5
57.5°	14.1	7.1	5.6	7.1	7.1	7.1	7.1
60°	9.9	5.6	5.6	7.1	7.1	7.1	7.1
62.5°	8.5	5.6	5.6	5.6	7.1	7.1	7.1
64°	7.1	5.6	5.6	5.6	7.1	7.1	7.1
65°	7.1	5.6	5.6	5.6	7.1	7.1	7.1
67.5°	7.1	5.6	5.6	5.6	7.1	7.1	7.1
70°	5.6	5.6	5.6	5.6	7.1	7.1	7.1
72.5°	5.6	5.6	5.6	5.6	7.1	7.1	7.1
75°	5.6	5.6	5.6	5.6	7.1	7.1	7.1
77.5°	5.6	5.6	5.6	7.1	7.1	7.1	7.1
80°	5.6	5.6	5.6	7.1	7.1	7.1	7.1
82.5°	5.6	5.6	5.6	7.1	7.1	7.1	7.1
85°	5.6	5.6	5.6	7.1	7.1	7.1	7.1
87.5°	5.6	5.6	5.6	7.1	7.1	7.1	7.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)