

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: P155259

Luminaire Tested: **AVM-E04-LED-E-U-T3-HSS-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P155259
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-7030
Description: VISION SITE MEDIUM LED LUMINAIRE
(4) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA W/ HOUSE SIDE SHIELD
Light Source: (84) 3000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5956.2 lumens
Efficiency: N/A
Efficacy: 61.3 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

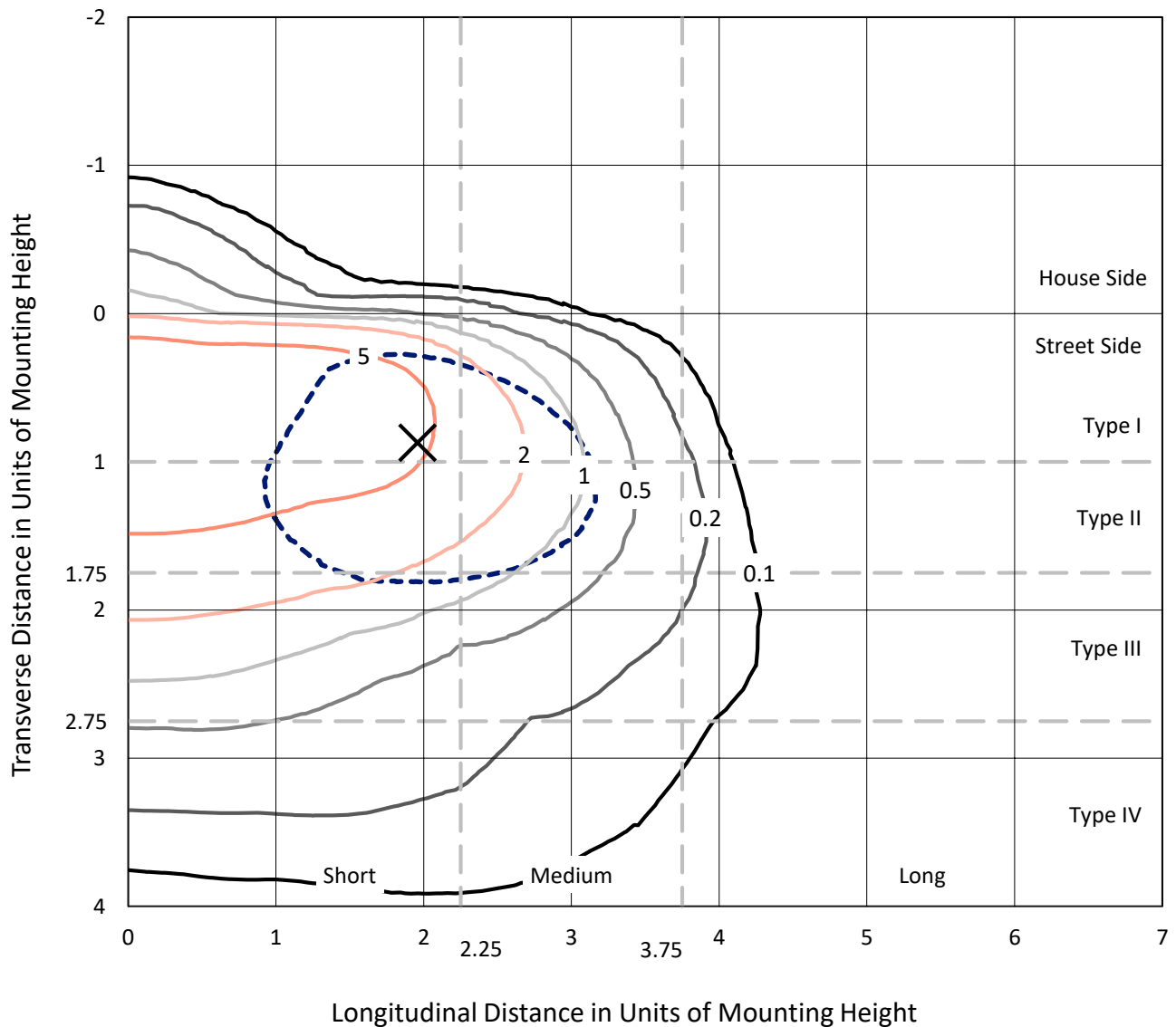
Input Watts (W): 97.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

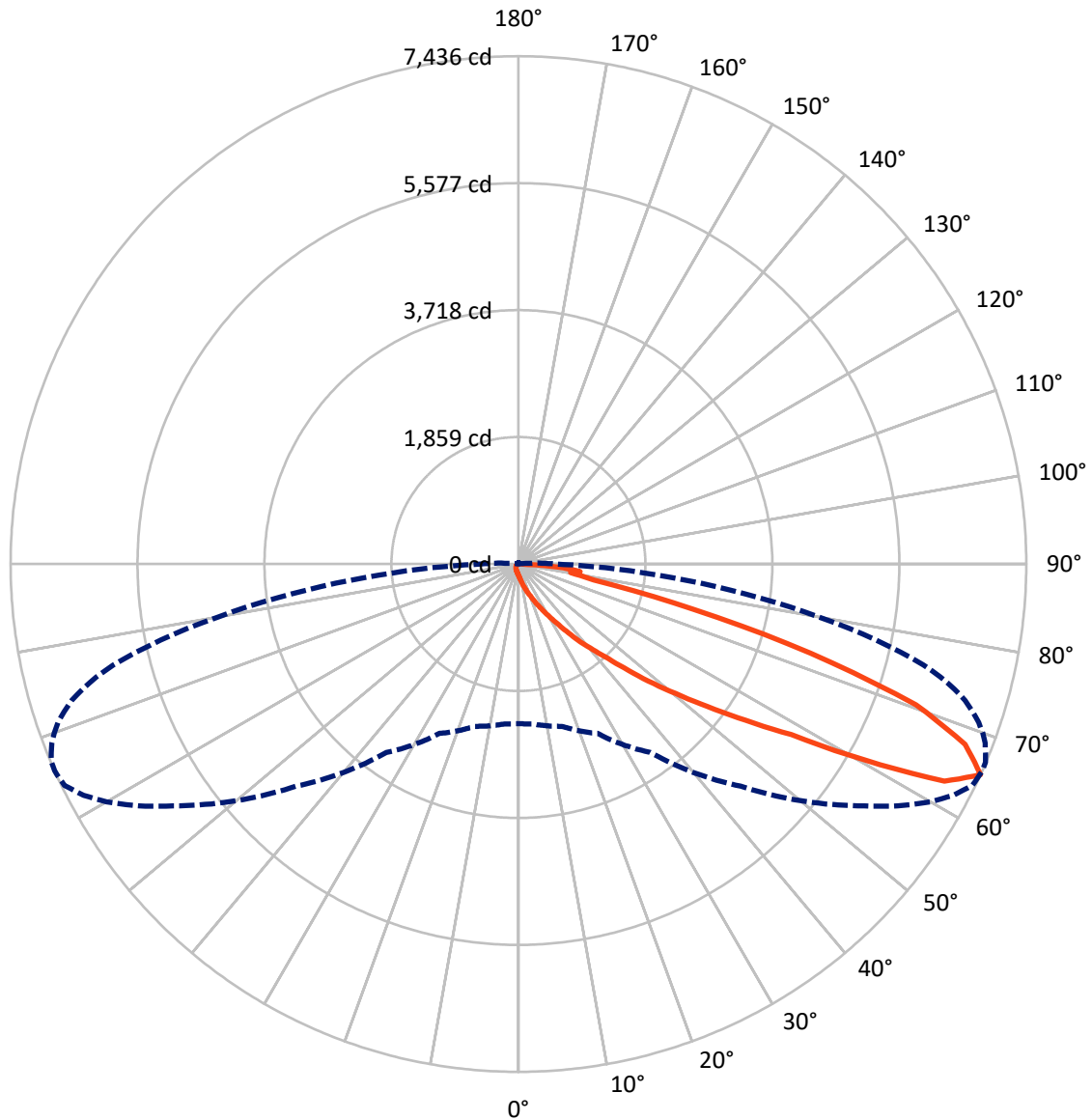
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.7 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	119.6	0.0	119.6
	% Fixture	2.0	0.0	2.0
Street Side	Lumens	5836.6	0.0	5836.6
	% Fixture	98.0	0.0	98.0
Total	Lumens	5956.2	0.0	5956.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.3	0.3
10°-20°	96.8	1.6
20°-30°	221.2	3.7
30°-40°	420.9	7.1
40°-50°	844.8	14.2
50°-60°	1494.8	25.1
60°-70°	1953.1	32.8
70°-80°	803.0	13.5
80°-90°	101.2	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°	5956.2	100.0
0°-180°	5956.2	100.0

Coefficient of Utilization



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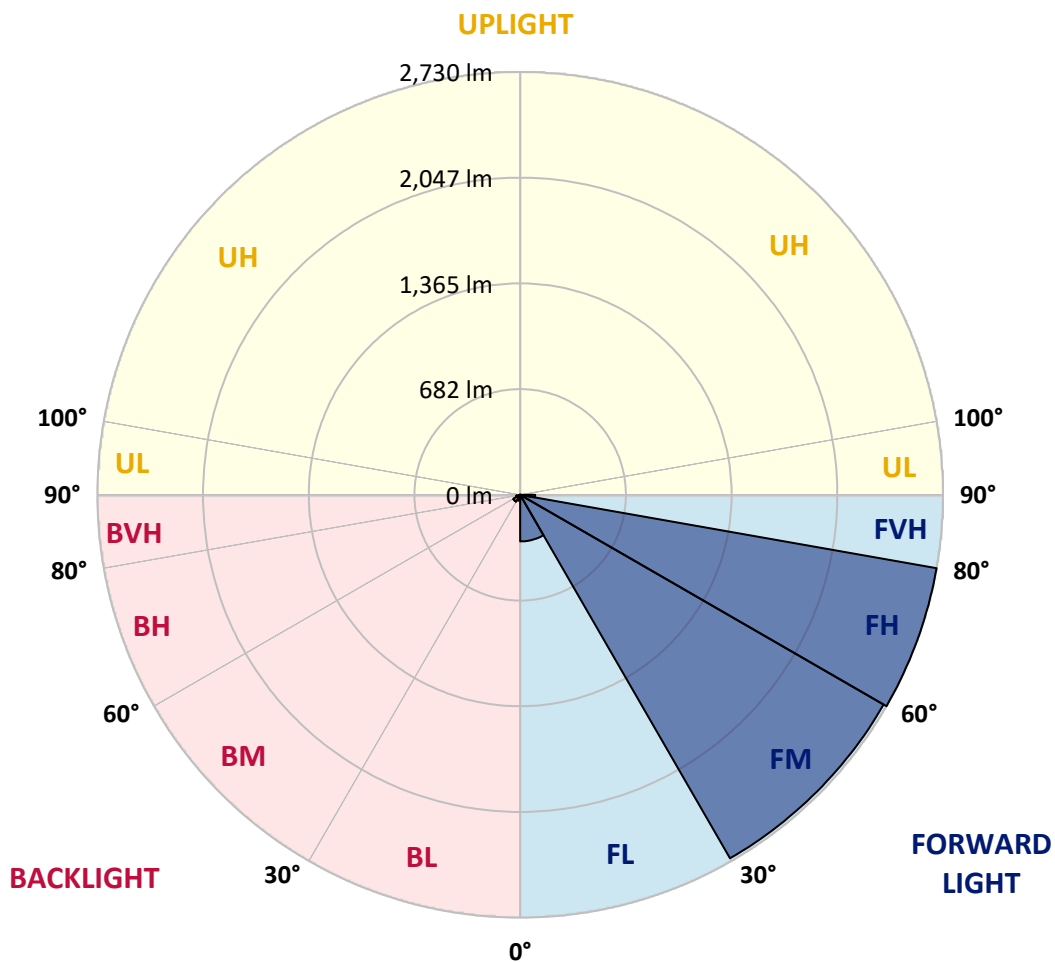
CATALOG NUMBER: AVM-E04-LED-E-U-T3-HSS-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	301.0	5.1			
FM	(30°-60°)	2709.3	45.5			
FH	(60°-80°)	2729.7	45.8			G2/5000
FVH	(80°-90°)	96.6	1.6			G1/100
BL	(0°-30°)	37.4	0.6	B0/110		
BM	(30°-60°)	51.2	0.9	B0/220		
BH	(60°-80°)	26.5	0.4	B0/110		G0/110
BVH	(80°-90°)	4.5	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°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	219.2	215.6	216.8	209.5	204.6	198.5	193.6	192.4	191.2	188.8	190.0
5°	315.4	311.8	303.2	288.6	275.2	254.5	233.8	232.6	228.9	225.3	222.9
7.5°	438.4	432.3	422.6	398.2	365.3	328.8	287.4	283.7	278.9	274.0	269.1
10°	580.9	577.2	559.0	531.0	481.0	421.4	351.9	348.3	337.3	331.2	326.4
12.5°	730.7	714.8	707.5	658.8	601.6	520.0	431.1	417.7	409.2	400.7	388.5
15°	843.9	846.4	829.3	790.4	723.4	628.4	517.6	503.0	490.8	474.9	460.3
17.5°	946.2	941.4	923.1	898.7	835.4	739.2	610.1	590.6	571.1	562.6	541.9
20°	1029.0	1026.6	1012.0	988.9	940.1	847.6	707.5	691.7	669.8	655.2	632.0
22.5°	1094.8	1094.8	1086.3	1072.9	1025.4	951.1	811.1	794.0	772.1	753.8	728.2
25°	1147.2	1146.0	1147.2	1141.1	1109.4	1041.2	917.0	897.5	879.3	857.3	833.0
27.5°	1206.8	1209.3	1206.8	1203.2	1189.8	1135.0	1024.2	1010.8	990.1	966.9	942.6
30°	1299.4	1292.1	1290.9	1288.4	1272.6	1238.5	1135.0	1119.2	1103.3	1087.5	1070.4
32.5°	1396.8	1384.6	1381.0	1381.0	1370.0	1339.6	1262.9	1254.3	1231.2	1219.0	1204.4
35°	1507.6	1502.8	1497.9	1499.1	1494.2	1462.6	1399.3	1401.7	1394.4	1370.0	1355.4
37.5°	1669.6	1670.8	1662.3	1646.5	1646.5	1618.5	1581.9	1577.1	1558.8	1552.7	1544.2
40°	1901.0	1894.9	1887.6	1864.5	1855.9	1808.4	1774.3	1762.2	1747.5	1746.3	1736.6
42.5°	2168.9	2161.6	2161.6	2144.5	2127.5	2070.3	2005.7	1997.2	1981.4	1986.2	1982.6
45°	2417.3	2423.4	2431.9	2444.1	2446.6	2422.2	2328.4	2317.5	2308.9	2304.1	2300.4
47.5°	2631.7	2642.6	2670.6	2723.0	2790.0	2798.5	2724.2	2695.0	2688.9	2680.4	2673.1
50°	2785.1	2800.9	2864.3	2966.6	3096.9	3177.2	3137.1	3112.7	3111.5	3088.3	3085.9
52.5°	2872.8	2889.8	2993.4	3148.0	3350.2	3507.3	3557.2	3556.0	3553.5	3532.8	3524.3
55°	2892.3	2910.5	3034.8	3245.4	3534.1	3805.6	3996.8	4001.7	4012.7	4006.6	4006.6
57.5°	2838.7	2861.8	2997.0	3257.6	3630.3	4041.9	4459.6	4487.6	4501.0	4548.5	4603.3
60°	2740.1	2757.1	2892.3	3183.3	3647.3	4257.4	5061.2	5150.1	5219.5	5313.3	5402.2
62.5°	2557.4	2591.5	2720.6	3037.2	3596.2	4505.9	5779.7	5944.1	6079.3	6221.7	6393.5
65°	2335.7	2350.4	2460.0	2736.4	3367.2	4600.9	6176.7	6337.4	6510.4	6662.6	6816.0
67.5°	2058.1	2070.3	2165.2	2283.4	2779.0	4156.4	5785.8	5963.6	6119.4	6244.9	6445.8
70°	1348.1	1374.9	1607.5	1724.4	1942.4	3072.5	4731.2	4902.9	5022.2	5107.5	5340.1
72.5°	987.6	1004.7	1098.5	1339.6	1393.2	1815.7	3329.5	3515.8	3559.6	3720.4	3828.8
75°	602.8	645.4	857.3	1147.2	1357.8	1243.4	1994.8	2084.9	2186.0	2302.9	2406.4
77.5°	121.8	138.8	280.1	790.4	1194.7	1328.6	1191.0	1208.1	1258.0	1268.9	1307.9
80°	19.5	20.7	36.5	341.0	691.7	1074.1	1191.0	1175.2	1147.2	1127.7	1108.2
82.5°	8.5	9.7	15.8	86.5	147.4	358.0	1030.3	1110.6	1203.2	1254.3	1267.7
85°	3.7	3.7	6.1	17.0	21.9	24.4	174.1	230.2	410.4	545.6	628.4
87.5°	2.4	2.4	3.7	3.7	4.9	6.1	8.5	8.5	9.7	11.0	15.8
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°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	190.0	188.8	188.8	185.1	185.1	183.9	183.9	182.7	182.7	180.2	181.5
5°	221.6	219.2	216.8	213.1	211.9	209.5	207.0	203.4	202.2	199.7	198.5
7.5°	264.3	261.8	257.0	249.6	244.8	239.9	235.0	230.2	226.5	222.9	220.4
10°	316.6	309.3	306.9	292.3	286.2	276.4	270.4	265.5	258.2	252.1	248.4
12.5°	380.0	373.9	361.7	342.2	332.5	323.9	313.0	303.2	295.9	285.0	277.7
15°	445.7	440.8	423.8	401.9	389.7	373.9	362.9	353.2	337.3	330.0	316.6
17.5°	528.5	513.9	496.9	465.2	449.4	436.0	416.5	401.9	392.1	370.2	358.0
20°	613.8	597.9	576.0	540.7	518.8	498.1	482.2	462.8	442.1	427.4	406.7
22.5°	711.2	685.6	668.6	624.7	599.2	577.2	550.4	529.7	509.0	485.9	462.8
25°	814.7	789.1	768.4	718.5	691.7	669.8	638.1	608.9	583.3	557.8	531.0
27.5°	923.1	900.0	876.8	825.7	802.5	772.1	742.9	708.8	675.9	652.7	616.2
30°	1048.5	1029.0	1003.5	948.7	923.1	891.4	861.0	820.8	789.1	757.5	722.2
32.5°	1183.7	1167.9	1141.1	1092.4	1061.9	1035.1	1002.2	963.3	918.2	885.3	843.9
35°	1348.1	1321.3	1305.5	1259.2	1236.1	1206.8	1172.7	1138.6	1091.1	1044.9	1009.6
37.5°	1535.6	1523.5	1502.8	1458.9	1441.9	1411.4	1389.5	1355.4	1318.9	1260.4	1222.7
40°	1728.1	1719.5	1701.3	1657.4	1640.4	1619.7	1594.1	1561.2	1517.4	1486.9	1430.9
42.5°	1972.8	1959.4	1944.8	1903.4	1870.5	1845.0	1834.0	1806.0	1759.7	1720.8	1676.9
45°	2283.4	2277.3	2257.8	2216.4	2183.5	2166.5	2149.4	2101.9	2071.5	2032.5	2002.1
47.5°	2658.5	2639.0	2629.2	2583.0	2572.0	2558.6	2514.8	2488.0	2444.1	2413.7	2375.9
50°	3064.0	3043.3	3044.5	2988.5	2990.9	2981.2	2948.3	2916.6	2878.9	2852.1	2829.0
52.5°	3500.0	3509.7	3485.3	3502.4	3482.9	3461.0	3454.9	3415.9	3383.0	3381.8	3350.2
55°	4035.8	4020.0	4026.0	4043.1	4016.3	4040.7	4028.5	3978.6	3979.8	3989.5	3953.0
57.5°	4611.8	4634.9	4684.9	4695.8	4742.1	4710.5	4793.3	4733.6	4770.1	4770.1	4745.8
60°	5457.0	5549.5	5670.1	5763.8	5850.3	5822.3	5930.7	5862.5	5911.2	5869.8	5849.1
62.5°	6475.0	6598.0	6740.5	6892.8	6980.4	7002.4	6986.5	7017.0	6969.5	6939.0	6859.9
65°	6964.6	7086.4	7210.6	7393.3	7417.6	7435.9	7428.6	7377.4	7319.0	7232.5	7129.0
67.5°	6557.9	6728.3	6797.8	7008.4	7079.1	7053.5	7062.0	6996.3	6904.9	6819.7	6667.5
70°	5437.5	5632.3	5668.9	5970.9	6054.9	6176.7	6132.8	6113.4	6013.5	5941.6	5773.6
72.5°	3959.1	4111.3	4099.1	4438.9	4424.3	4474.2	4592.3	4587.5	4482.7	4459.6	4318.3
75°	2436.8	2528.2	2523.3	2764.4	2663.3	2648.7	2681.6	2667.0	2568.3	2466.0	2378.4
77.5°	1290.9	1332.3	1288.4	1216.6	1209.3	1127.7	1104.5	1103.3	1027.8	935.3	867.1
80°	1087.5	1044.9	993.7	889.0	828.1	773.3	722.2	674.7	623.5	555.3	472.5
82.5°	1270.2	1249.5	1212.9	1081.4	1018.1	908.5	826.9	750.2	656.4	585.8	479.8
85°	618.6	617.4	646.7	633.3	610.1	605.2	524.9	507.8	470.1	431.1	360.5
87.5°	17.0	12.2	14.6	12.2	14.6	15.8	11.0	25.6	15.8	14.6	17.0
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°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	180.2	179.0	177.8	177.8	176.6	176.6	175.4	174.1	174.1	172.9	172.9
5°	196.1	193.6	192.4	191.2	188.8	187.5	185.1	183.9	181.5	180.2	177.8
7.5°	215.6	213.1	208.2	205.8	202.2	200.9	194.8	192.4	190.0	187.5	183.9
10°	239.9	233.8	228.9	224.1	218.0	213.1	208.2	204.6	199.7	193.6	191.2
12.5°	270.4	261.8	254.5	246.0	238.7	231.4	222.9	216.8	209.5	203.4	197.3
15°	304.5	292.3	282.5	270.4	258.2	249.6	241.1	232.6	222.9	214.3	207.0
17.5°	343.4	327.6	314.2	299.6	286.2	274.0	259.4	248.4	237.5	225.3	215.6
20°	384.8	369.0	350.7	334.9	315.4	302.0	283.7	269.1	253.3	241.1	227.7
22.5°	439.6	418.9	395.8	373.9	353.2	332.5	313.0	294.7	275.2	257.0	243.6
25°	504.2	478.6	449.4	427.4	398.2	375.1	350.7	327.6	306.9	283.7	261.8
27.5°	584.5	550.4	518.8	488.3	456.7	427.4	395.8	369.0	341.0	314.2	289.8
30°	678.3	645.4	597.9	563.8	532.2	492.0	460.3	425.0	393.3	354.4	327.6
32.5°	802.5	759.9	710.0	664.9	623.5	578.5	534.6	489.6	448.2	412.8	372.6
35°	964.5	914.6	854.9	797.7	751.4	696.6	640.6	589.4	541.9	490.8	440.8
37.5°	1169.1	1122.8	1058.3	988.9	926.7	861.0	802.5	730.7	667.4	605.2	541.9
40°	1372.5	1329.8	1262.9	1188.6	1108.2	1032.7	958.4	876.8	796.4	718.5	652.7
42.5°	1623.3	1560.0	1488.2	1404.1	1326.2	1236.1	1143.5	1049.7	953.5	859.8	766.0
45°	1938.7	1890.0	1788.9	1698.8	1606.3	1500.3	1385.9	1278.7	1155.7	1044.9	920.7
47.5°	2322.3	2234.7	2160.4	2077.6	1961.9	1859.6	1713.4	1586.8	1433.4	1286.0	1137.4
50°	2775.4	2726.7	2628.0	2524.5	2399.1	2277.3	2134.8	1952.1	1768.2	1611.2	1407.8
52.5°	3305.1	3235.7	3173.6	3066.4	2938.6	2782.7	2620.7	2422.2	2196.9	1975.3	1758.5
55°	3933.5	3884.8	3825.1	3739.9	3576.7	3400.1	3205.3	2967.8	2701.1	2402.7	2150.6
57.5°	4744.6	4693.4	4636.2	4460.8	4350.0	4133.2	3850.7	3604.7	3317.3	2934.9	2621.9
60°	5851.5	5782.1	5701.7	5559.3	5327.9	5046.6	4743.3	4379.2	4027.3	3609.6	3199.2
62.5°	6797.8	6686.9	6515.2	6331.3	6053.7	5731.0	5349.8	4921.1	4520.5	4050.4	3593.7
65°	6992.6	6840.4	6638.2	6398.3	6112.1	5748.0	5349.8	4939.4	4468.1	4026.0	3566.9
67.5°	6486.0	6309.4	6102.4	5834.5	5561.7	5186.6	4843.2	4425.5	3982.2	3599.8	3189.4
70°	5653.0	5391.2	5179.3	4894.3	4617.9	4323.2	3961.5	3648.5	3288.1	2936.1	2621.9
72.5°	4245.3	3987.1	3794.7	3566.9	3402.5	3090.8	2825.3	2591.5	2378.4	2115.3	1882.7
75°	2288.2	2094.6	1965.5	1862.0	1714.7	1508.9	1382.2	1221.5	1131.3	1021.7	915.8
77.5°	746.5	657.6	561.4	467.6	401.9	302.0	292.3	232.6	219.2	213.1	164.4
80°	382.4	294.7	213.1	153.4	116.9	103.5	98.6	93.8	88.9	85.2	79.2
82.5°	383.6	277.7	191.2	132.7	96.2	80.4	75.5	73.1	69.4	65.8	60.9
85°	280.1	207.0	142.5	97.4	67.0	53.6	51.1	47.5	45.1	43.8	39.0
87.5°	18.3	13.4	12.2	11.0	11.0	11.0	12.2	11.0	12.2	12.2	11.0
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-7030

CANDELA DISTRIBUTION (continued):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	171.7	170.5	170.5	169.3	168.1	168.1	166.8	166.8	163.2	157.1	152.2
5°	176.6	174.1	172.9	171.7	170.5	168.1	166.8	165.6	159.5	147.4	137.6
7.5°	180.2	177.8	176.6	174.1	170.5	169.3	166.8	164.4	154.7	137.6	126.7
10°	186.3	182.7	179.0	175.4	171.7	169.3	165.6	163.2	148.6	129.1	118.1
12.5°	192.4	187.5	182.7	176.6	172.9	169.3	165.6	160.7	143.7	121.8	109.6
15°	199.7	192.4	186.3	180.2	174.1	169.3	163.2	159.5	138.8	115.7	104.7
17.5°	207.0	198.5	190.0	181.5	175.4	168.1	163.2	157.1	134.0	110.8	98.6
20°	215.6	203.4	194.8	185.1	176.6	168.1	160.7	154.7	129.1	104.7	92.6
22.5°	227.7	213.1	199.7	188.8	177.8	169.3	160.7	152.2	124.2	99.9	87.7
25°	243.6	225.3	209.5	196.1	182.7	171.7	162.0	153.4	120.6	96.2	81.6
27.5°	266.7	243.6	226.5	208.2	191.2	177.8	165.6	155.9	118.1	92.6	77.9
30°	294.7	271.6	244.8	222.9	204.6	186.3	172.9	158.3	115.7	88.9	73.1
32.5°	336.1	303.2	271.6	244.8	219.2	198.5	179.0	164.4	114.5	82.8	68.2
35°	395.8	350.7	313.0	277.7	242.3	216.8	193.6	174.1	113.3	77.9	63.3
37.5°	481.0	427.4	378.7	328.8	285.0	248.4	216.8	191.2	113.3	74.3	58.5
40°	572.4	503.0	440.8	378.7	322.7	276.4	233.8	202.2	110.8	69.4	53.6
42.5°	675.9	590.6	505.4	428.7	359.3	299.6	249.6	210.7	104.7	64.5	48.7
45°	814.7	702.7	600.4	501.7	411.6	333.7	270.4	220.4	98.6	60.9	43.8
47.5°	988.9	858.5	725.8	601.6	483.5	384.8	300.8	236.3	95.0	56.0	40.2
50°	1248.2	1063.1	887.8	729.5	579.7	450.6	345.9	259.4	91.3	52.4	36.5
52.5°	1533.2	1305.5	1099.7	896.3	710.0	539.5	398.2	289.8	87.7	48.7	32.9
55°	1880.3	1600.2	1349.3	1085.1	846.4	643.0	462.8	323.9	82.8	45.1	30.4
57.5°	2308.9	1954.6	1657.4	1334.7	1035.1	777.0	549.2	381.2	77.9	40.2	26.8
60°	2787.5	2386.9	2013.0	1634.3	1271.4	954.8	677.1	462.8	73.1	35.3	23.1
62.5°	3132.2	2692.6	2265.1	1840.1	1441.9	1087.5	780.6	526.1	65.8	30.4	20.7
65°	3128.5	2682.8	2252.9	1834.0	1446.7	1092.4	784.3	538.3	58.5	26.8	18.3
67.5°	2787.5	2412.5	2028.9	1652.6	1314.0	993.7	725.8	499.3	49.9	24.4	15.8
70°	2293.1	1994.8	1691.5	1393.2	1121.6	851.2	627.2	434.8	42.6	21.9	13.4
72.5°	1674.5	1456.5	1271.4	1060.7	875.6	672.2	500.5	341.0	34.1	18.3	12.2
75°	831.8	744.1	638.1	572.4	488.3	399.4	310.5	198.5	28.0	14.6	11.0
77.5°	158.3	141.3	135.2	116.9	107.2	95.0	84.0	59.7	21.9	11.0	9.7
80°	73.1	67.0	60.9	54.8	48.7	41.4	36.5	31.7	17.0	8.5	11.0
82.5°	57.2	52.4	46.3	41.4	36.5	31.7	26.8	23.1	11.0	7.3	11.0
85°	37.8	32.9	29.2	25.6	21.9	19.5	17.0	14.6	7.3	7.3	7.3
87.5°	11.0	11.0	9.7	9.7	8.5	8.5	7.3	7.3	6.1	6.1	6.1
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):

	125°	135°	145°	155°	165°	175°	180°
0°	165.6	165.6	165.6	165.6	165.6	165.6	165.6
2.5°	147.4	141.3	138.8	137.6	137.6	138.8	137.6
5°	130.3	124.2	121.8	119.3	119.3	119.3	120.6
7.5°	119.3	113.3	109.6	108.4	107.2	108.4	108.4
10°	109.6	104.7	99.9	97.4	97.4	97.4	97.4
12.5°	102.3	96.2	91.3	90.1	88.9	88.9	88.9
15°	96.2	88.9	85.2	82.8	81.6	81.6	82.8
17.5°	88.9	82.8	77.9	76.7	76.7	76.7	76.7
20°	84.0	76.7	73.1	70.6	70.6	70.6	70.6
22.5°	77.9	71.9	67.0	64.5	64.5	64.5	64.5
25°	73.1	67.0	62.1	59.7	59.7	59.7	59.7
27.5°	68.2	62.1	57.2	54.8	54.8	54.8	54.8
30°	63.3	57.2	52.4	49.9	49.9	49.9	49.9
32.5°	59.7	52.4	47.5	45.1	45.1	46.3	45.1
35°	53.6	47.5	42.6	40.2	40.2	40.2	40.2
37.5°	48.7	42.6	37.8	35.3	35.3	35.3	34.1
40°	45.1	37.8	32.9	30.4	29.2	29.2	29.2
42.5°	39.0	31.7	28.0	25.6	24.4	24.4	24.4
45°	35.3	28.0	23.1	20.7	20.7	20.7	20.7
47.5°	31.7	24.4	19.5	17.0	17.0	18.3	18.3
50°	28.0	20.7	15.8	15.8	15.8	17.0	17.0
52.5°	24.4	18.3	14.6	14.6	15.8	17.0	17.0
55°	21.9	15.8	13.4	14.6	15.8	17.0	17.0
57.5°	19.5	13.4	13.4	14.6	15.8	17.0	17.0
60°	17.0	12.2	12.2	13.4	15.8	17.0	17.0
62.5°	14.6	12.2	12.2	13.4	15.8	17.0	17.0
65°	13.4	12.2	12.2	13.4	15.8	17.0	17.0
67.5°	12.2	11.0	12.2	13.4	14.6	15.8	15.8
70°	11.0	11.0	12.2	13.4	14.6	15.8	15.8
72.5°	11.0	11.0	11.0	12.2	13.4	14.6	14.6
75°	11.0	11.0	11.0	12.2	13.4	14.6	14.6
77.5°	11.0	9.7	9.7	11.0	13.4	14.6	14.6
80°	11.0	9.7	9.7	11.0	12.2	14.6	14.6
82.5°	8.5	8.5	9.7	11.0	12.2	13.4	13.4
85°	7.3	8.5	8.5	9.7	11.0	13.4	13.4
87.5°	6.1	6.1	7.3	8.5	9.7	11.0	11.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)