

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: P154232

Luminaire Tested: **AVM-E05-LED-E-U-T2-HSS-7060**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P154232
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-E05-LED-E-U-T2-HSS-7060
Description: VISION SITE MEDIUM LED LUMINAIRE
(5) LIGHTBARS WITH AccuLED OPTICS - TYPE 2 AREA W/ HOUSE SIDE SHIELD
Light Source: (105) 5700K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8215.5 lumens
Efficiency: N/A
Efficacy: 64.5 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

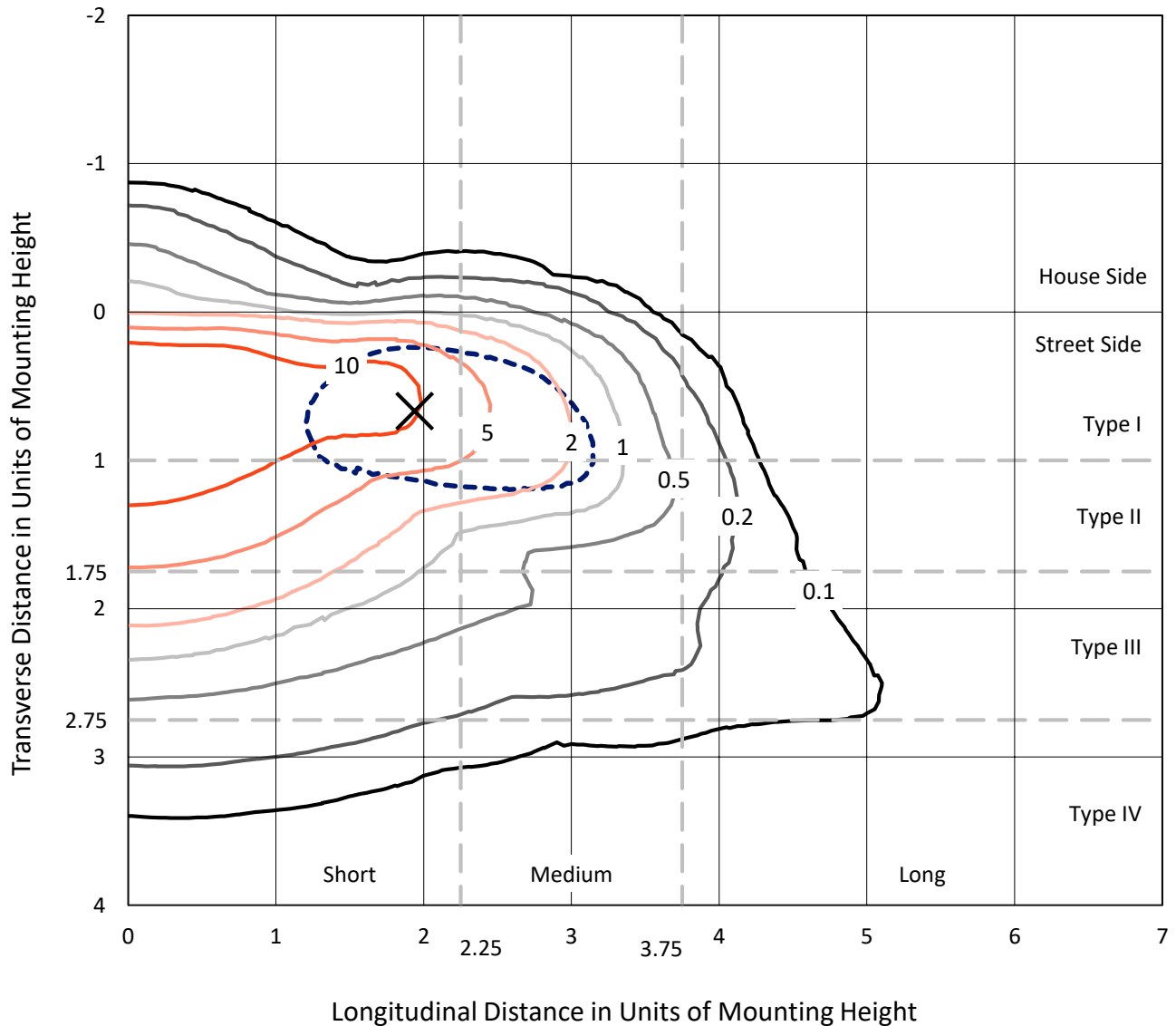
Input Watts (W): 127.3
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

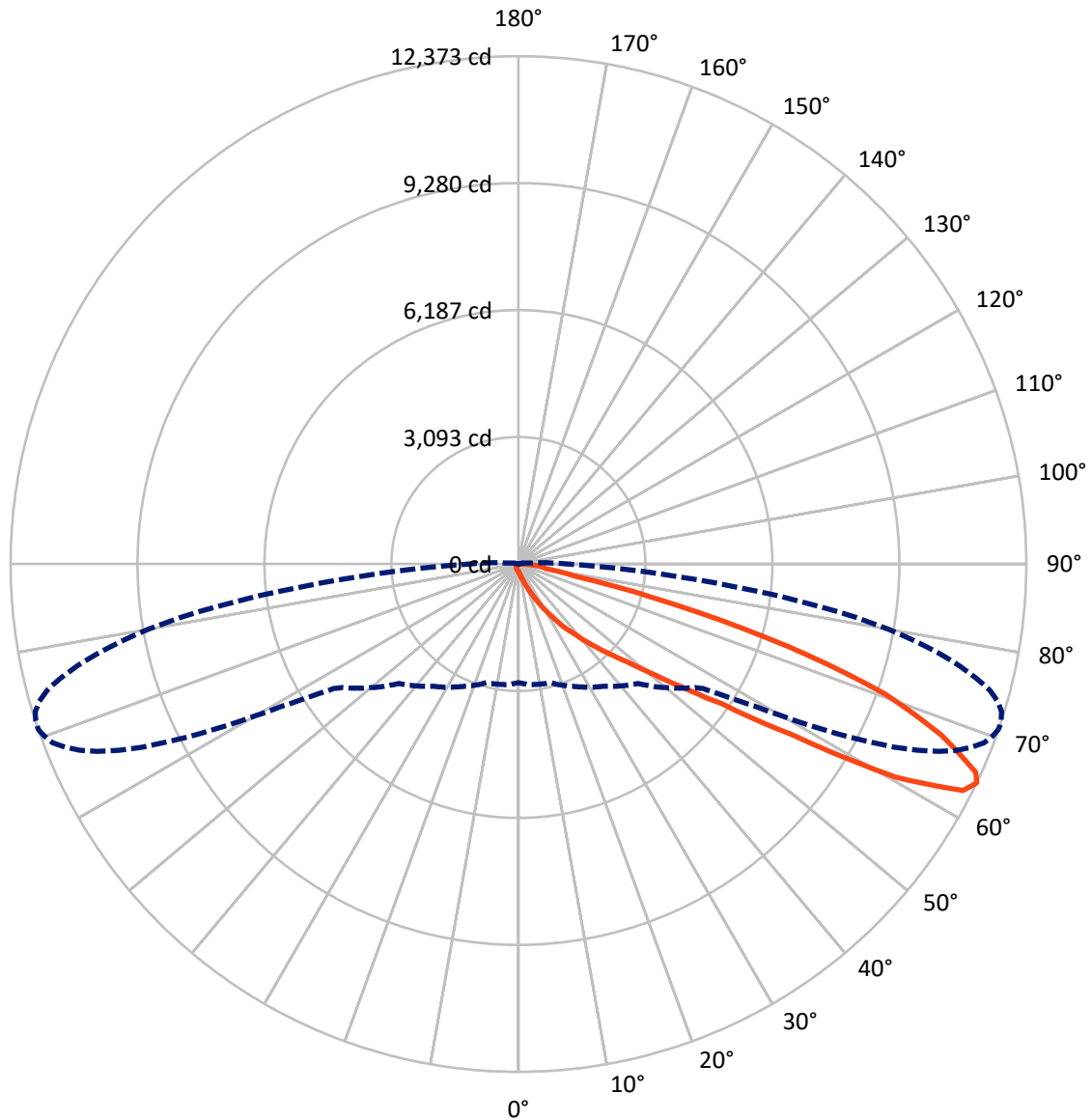
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16 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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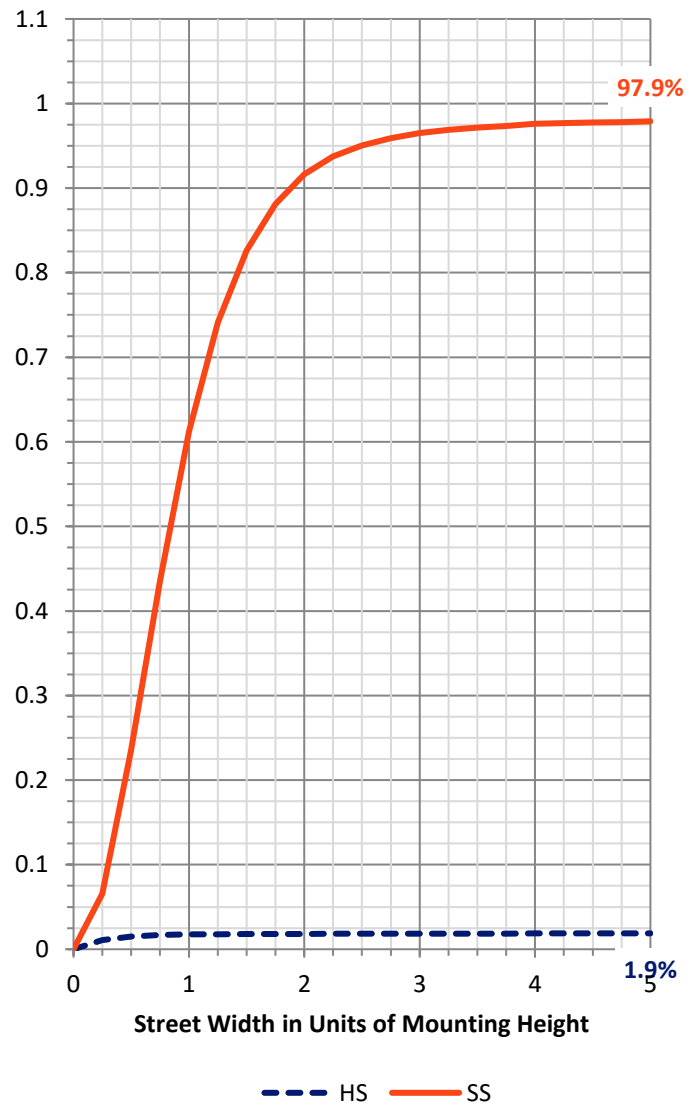
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	157.3	0.0	157.3
	% Fixture	1.9	0.0	1.9
Street Side	Lumens	8058.2	0.0	8058.2
	% Fixture	98.1	0.0	98.1
Total	Lumens	8215.5	0.0	8215.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.2	0.3
10°-20°	148.5	1.8
20°-30°	379.4	4.6
30°-40°	767.4	9.3
40°-50°	1402.8	17.1
50°-60°	2185.5	26.6
60°-70°	2429.2	29.6
70°-80°	792.2	9.6
80°-90°	85.3	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°	8215.5	100.0
0°-180°	8215.5	100.0

Coefficient of Utilization



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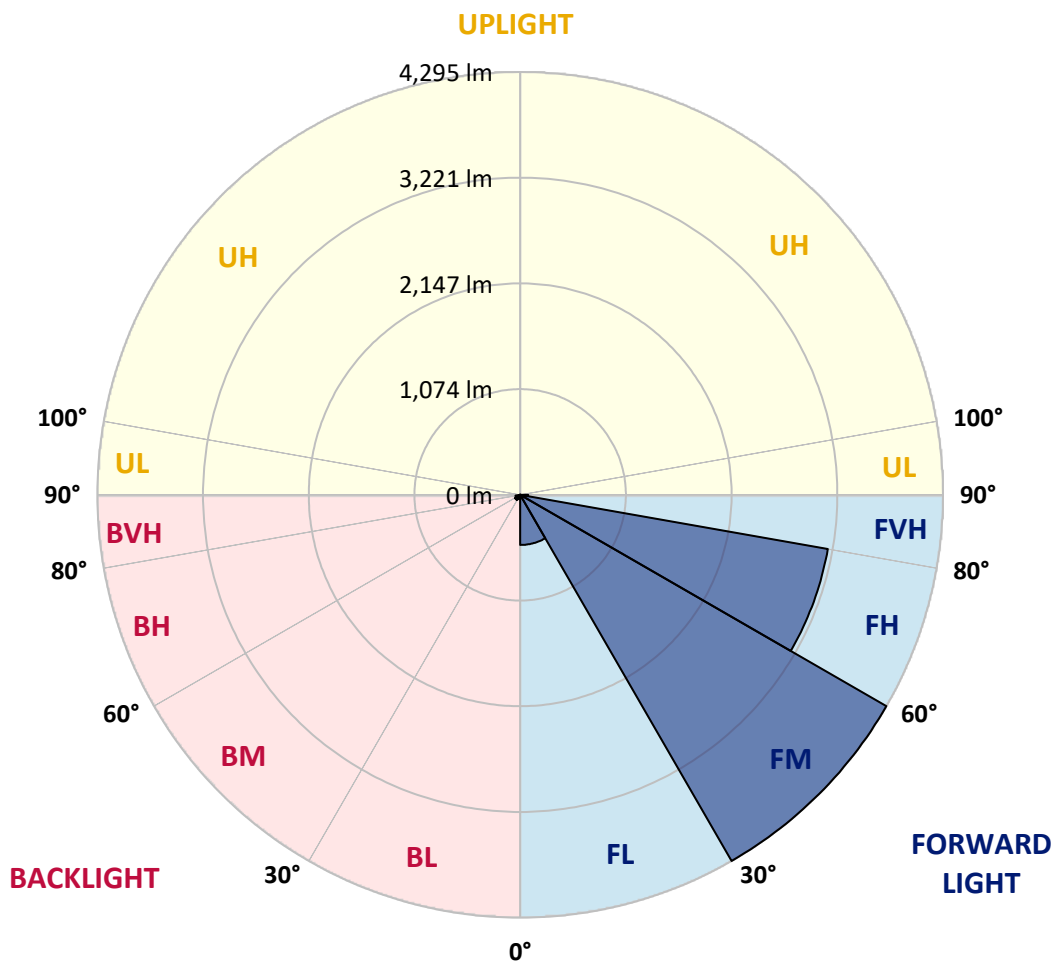
CATALOG NUMBER: AVM-E05-LED-E-U-T2-HSS-7060

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	509.3	6.2			
FM	(30°-60°)	4294.9	52.3			
FH	(60°-80°)	3172.9	38.6			G2/5000
FVH	(80°-90°)	81.1	1.0			G1/100
BL	(0°-30°)	43.8	0.5	B0/110		
BM	(30°-60°)	60.8	0.7	B0/220		
BH	(60°-80°)	48.6	0.6	B0/110		G0/110
BVH	(80°-90°)	4.1	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	57°	58°	59°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	246.3	242.8	242.8	237.7	230.9	224.0	217.2	215.5	213.8	212.1	212.1
5°	386.5	372.8	367.7	348.9	324.9	295.9	270.2	263.4	263.4	258.2	254.8
7.5°	607.1	600.3	564.4	545.5	489.1	419.0	345.5	338.6	336.9	330.1	319.8
10°	889.3	875.6	850.0	795.2	692.6	571.2	466.9	449.8	437.8	424.1	410.4
12.5°	1171.5	1154.4	1116.7	1027.8	925.2	769.6	602.0	586.6	567.8	549.0	526.7
15°	1453.6	1441.7	1383.5	1294.6	1161.2	974.8	762.7	735.4	720.0	682.4	665.3
17.5°	1698.2	1682.8	1636.6	1535.7	1397.2	1192.0	940.6	906.4	880.7	858.5	817.5
20°	1910.3	1894.9	1850.4	1766.6	1611.0	1409.2	1132.1	1115.0	1068.9	1034.7	1010.7
22.5°	2040.2	2035.1	2006.0	1925.7	1787.1	1607.6	1351.0	1323.7	1292.9	1246.7	1219.4
25°	2120.6	2115.5	2098.4	2041.9	1947.9	1816.2	1592.2	1558.0	1530.6	1489.6	1455.4
27.5°	2204.4	2201.0	2187.3	2137.7	2088.1	2006.0	1836.7	1817.9	1758.1	1734.1	1701.6
30°	2342.9	2327.5	2339.5	2315.6	2252.3	2201.0	2083.0	2055.6	2030.0	1988.9	1959.9
32.5°	2563.6	2537.9	2563.6	2537.9	2510.5	2449.0	2336.1	2327.5	2301.9	2276.2	2235.2
35°	2833.8	2823.5	2844.0	2866.3	2844.0	2761.9	2625.1	2599.5	2589.2	2548.2	2532.8
37.5°	3105.7	3124.5	3162.1	3211.7	3198.0	3138.2	2944.9	2921.0	2902.2	2866.3	2838.9
40°	3398.1	3399.8	3480.2	3552.0	3587.9	3552.0	3297.2	3278.4	3252.8	3201.4	3194.6
42.5°	3716.2	3702.5	3762.4	3842.8	3916.3	3965.9	3762.4	3726.5	3690.6	3632.4	3593.1
45°	3998.4	3998.4	4046.3	4121.5	4234.4	4359.2	4253.2	4215.6	4181.4	4133.5	4089.0
47.5°	4207.0	4208.7	4237.8	4347.3	4523.4	4709.8	4713.2	4720.1	4694.4	4638.0	4639.7
50°	4354.1	4335.3	4374.6	4480.7	4684.2	4976.6	5187.0	5198.9	5219.5	5173.3	5187.0
52.5°	4461.8	4453.3	4479.0	4567.9	4771.4	5128.8	5575.2	5626.5	5657.3	5664.1	5720.5
55°	4405.4	4410.5	4472.1	4600.4	4819.3	5229.7	5905.2	5989.0	6060.9	6122.4	6192.5
57.5°	4219.0	4234.4	4342.1	4542.2	4829.5	5311.8	6255.8	6384.1	6519.2	6683.4	6821.9
60°	3921.4	3957.3	4102.7	4383.2	4730.3	5204.1	6360.1	6556.8	6763.7	7013.4	7292.2
62.5°	3485.3	3492.2	3587.9	3859.9	4242.9	4631.2	5881.3	6132.7	6406.3	6767.2	7157.1
64°	2888.5	2950.1	2994.5	3293.8	3635.8	4119.8	5248.5	5423.0	5804.3	6247.3	6738.1
65°	2384.0	2457.5	2493.4	2792.7	3184.3	3646.1	4697.9	4884.3	5286.2	5735.9	6348.2
67.5°	1405.8	1356.2	1460.5	1636.6	1965.0	2512.2	3169.0	3310.9	3610.2	4145.5	4634.6
70°	906.4	906.4	1002.2	1181.7	1486.1	1905.1	2177.1	2117.2	2180.5	2387.4	2732.9
72.5°	581.5	612.2	670.4	822.6	1104.8	1597.3	2224.9	1942.8	1795.7	1727.3	1723.9
75°	265.1	282.2	345.5	436.1	590.0	1041.5	2243.8	2120.6	1985.5	1855.5	1754.6
77.5°	56.4	65.0	109.5	225.7	287.3	480.6	1592.2	1776.9	1923.9	1966.7	1966.7
80°	29.1	30.8	46.2	106.0	123.1	162.5	614.0	807.2	995.3	1243.3	1503.2
82.5°	12.0	13.7	27.4	47.9	51.3	49.6	162.5	205.2	282.2	410.4	612.2
85°	3.4	3.4	12.0	18.8	27.4	22.2	35.9	41.0	53.0	77.0	147.1
87.5°	0.0	0.0	1.7	3.4	5.1	8.6	10.3	10.3	10.3	10.3	10.3
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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CANDELA DISTRIBUTION (continued):

	60°	61°	62°	64°	65°	66°	67°	68°	69°	70°	71°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	210.4	210.4	208.6	206.9	206.9	203.5	203.5	201.8	201.8	200.1	200.1
5°	253.1	249.7	246.3	241.1	239.4	236.0	232.6	229.2	225.7	224.0	220.6
7.5°	314.7	311.3	301.0	294.2	285.6	280.5	273.6	268.5	263.4	259.9	253.1
10°	396.8	384.8	379.7	355.7	350.6	338.6	328.4	321.5	307.8	299.3	290.7
12.5°	513.1	490.8	482.3	441.2	429.3	412.2	400.2	383.1	367.7	357.4	342.0
15°	644.7	627.6	595.1	554.1	531.9	513.1	484.0	470.3	449.8	427.5	405.3
17.5°	802.1	771.3	735.4	682.4	655.0	625.9	598.6	569.5	535.3	514.8	490.8
20°	985.1	952.6	908.1	841.4	808.9	779.8	732.0	711.4	670.4	629.3	598.6
22.5°	1185.2	1152.7	1109.9	1034.7	991.9	944.0	904.7	868.8	820.9	779.8	743.9
25°	1410.9	1373.3	1340.8	1253.6	1200.5	1150.9	1108.2	1044.9	1003.9	956.0	906.4
27.5°	1667.4	1623.0	1580.2	1484.4	1434.8	1380.1	1328.8	1262.1	1222.8	1144.1	1097.9
30°	1930.8	1876.1	1831.6	1734.1	1689.7	1633.2	1563.1	1503.2	1436.5	1383.5	1308.3
32.5°	2207.8	2163.4	2127.5	2024.8	1968.4	1898.3	1835.0	1771.7	1713.6	1628.1	1559.7
35°	2503.7	2464.4	2425.0	2336.1	2286.5	2233.5	2161.7	2084.7	2004.3	1915.4	1853.8
37.5°	2814.9	2784.2	2753.4	2645.6	2587.5	2531.1	2449.0	2372.0	2300.2	2206.1	2101.8
40°	3141.6	3112.5	3062.9	2974.0	2912.4	2861.1	2785.9	2714.0	2616.6	2512.2	2419.9
42.5°	3552.0	3488.8	3446.0	3348.5	3283.5	3227.1	3160.4	3052.7	2970.6	2845.7	2756.8
45°	4032.6	3972.7	3902.6	3803.4	3723.1	3630.7	3536.6	3463.1	3360.5	3247.6	3133.0
47.5°	4573.0	4525.1	4443.0	4345.6	4265.2	4172.8	4061.7	3967.6	3842.8	3711.1	3555.5
50°	5168.2	5118.6	5063.8	4954.4	4874.0	4786.8	4699.6	4588.4	4475.5	4318.2	4157.4
52.5°	5720.5	5730.8	5698.3	5647.0	5607.7	5517.0	5436.6	5330.6	5231.4	5087.8	4962.9
55°	6266.1	6355.0	6389.2	6438.8	6455.9	6382.4	6380.7	6225.0	6165.2	6081.4	6009.6
57.5°	6986.1	7182.7	7338.4	7639.4	7765.9	7894.2	7918.1	7808.7	7921.5	7776.2	7825.8
60°	7598.3	7959.2	8345.7	9123.8	9513.7	9807.9	10043.9	10218.3	10331.2	10522.7	10533.0
62.5°	7653.0	8220.8	8809.1	9944.7	10478.2	10924.6	11350.4	11648.0	11884.0	12101.2	12154.2
64°	7391.4	8094.3	8809.1	10182.4	10727.9	11223.9	11612.1	11908.0	12149.1	12284.2	12373.1
65°	6916.0	7702.6	8525.2	10025.1	10587.7	11114.4	11485.5	11783.1	12010.6	12145.7	12238.0
67.5°	5123.7	5884.7	6710.7	8456.8	9342.7	9825.0	10300.4	10717.7	10900.7	11071.7	11104.2
70°	3122.8	3675.2	4244.7	5864.2	6686.8	7553.8	8089.1	8699.7	9127.2	9390.6	9477.8
72.5°	1884.6	2076.2	2416.5	3287.0	4075.3	4684.2	5424.7	6007.8	6486.7	6751.8	6885.2
75°	1677.7	1653.7	1698.2	2060.8	2341.2	2707.2	2975.7	3341.7	3637.5	3729.9	3902.6
77.5°	1939.3	1870.9	1800.8	1732.4	1718.7	1684.5	1629.8	1643.5	1513.5	1388.7	1392.1
80°	1727.3	1891.5	1988.9	1917.1	1754.6	1590.5	1388.7	1137.3	889.3	735.4	670.4
82.5°	867.1	1233.0	1585.3	1934.2	1910.3	1764.9	1542.6	1267.2	981.6	754.2	602.0
85°	266.8	473.7	667.0	926.9	1075.7	1055.2	926.9	901.3	643.0	501.1	386.5
87.5°	12.0	12.0	12.0	10.3	12.0	12.0	12.0	13.7	13.7	15.4	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):

	72°	73°	74°	75°	76°	77°	78°	79°	80°	81°	82°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	200.1	198.4	196.7	195.0	195.0	195.0	193.2	193.2	191.5	191.5	189.8
5°	220.6	217.2	215.5	212.1	212.1	208.6	206.9	205.2	201.8	200.1	198.4
7.5°	248.0	244.6	239.4	234.3	232.6	227.5	222.3	218.9	215.5	212.1	208.6
10°	283.9	277.0	266.8	259.9	254.8	248.0	241.1	236.0	229.2	222.3	218.9
12.5°	330.1	316.4	306.1	294.2	283.9	273.6	261.7	254.8	248.0	237.7	230.9
15°	383.1	369.4	357.4	336.9	319.8	306.1	295.9	280.5	268.5	254.8	244.6
17.5°	473.7	437.8	413.9	393.3	376.2	350.6	330.1	313.0	297.6	280.5	268.5
20°	562.6	531.9	499.4	475.4	437.8	415.6	388.2	364.3	336.9	316.4	295.9
22.5°	692.6	653.3	612.2	576.3	525.0	494.2	458.3	427.5	393.3	359.1	336.9
25°	856.8	798.7	743.9	692.6	644.7	598.6	552.4	502.8	466.9	425.8	388.2
27.5°	1029.5	964.5	911.5	844.8	783.3	726.8	668.7	615.7	554.1	501.1	456.6
30°	1246.7	1157.8	1096.2	1015.8	954.3	875.6	803.8	733.7	658.4	596.9	533.6
32.5°	1467.3	1407.5	1303.2	1234.7	1142.4	1048.3	973.1	892.7	800.4	720.0	643.0
35°	1758.1	1655.5	1568.2	1472.5	1371.6	1274.1	1176.6	1062.0	968.0	868.8	774.7
37.5°	2014.6	1910.3	1809.4	1684.5	1569.9	1467.3	1349.3	1229.6	1118.5	1000.5	887.6
40°	2312.2	2182.2	2062.5	1946.2	1804.2	1682.8	1559.7	1410.9	1282.6	1152.7	1019.3
42.5°	2637.1	2505.4	2363.5	2230.1	2074.4	1925.7	1773.5	1624.7	1481.0	1323.7	1168.1
45°	2992.8	2854.3	2695.2	2543.0	2373.7	2209.5	2028.3	1857.3	1687.9	1511.8	1332.2
47.5°	3434.0	3256.2	3109.1	2919.3	2708.9	2536.2	2313.9	2118.9	1925.7	1720.4	1518.6
50°	4005.2	3803.4	3591.4	3381.0	3148.4	2929.5	2683.3	2452.4	2194.2	1965.0	1734.1
52.5°	4762.8	4612.3	4366.1	4124.9	3841.1	3562.3	3223.7	2924.4	2592.6	2300.2	2018.0
55°	5838.5	5739.3	5525.6	5262.2	5014.2	4607.2	4217.3	3752.1	3321.2	2900.5	2503.7
57.5°	7786.4	7678.7	7441.0	7377.7	6996.3	6697.0	6240.4	5638.4	4908.2	4265.2	3623.9
60°	10591.1	10380.8	10148.2	10105.4	9657.4	9342.7	8889.5	8248.2	7560.7	6534.6	5660.7
62.5°	12157.6	12094.4	11906.2	11675.4	11287.2	10820.3	10310.6	9689.9	8992.1	8092.6	7052.8
64°	12368.0	12309.8	12147.4	11887.4	11497.5	11034.1	10469.7	9850.6	9151.2	8330.3	7381.1
65°	12236.3	12154.2	12015.7	11776.3	11413.7	10969.1	10401.3	9773.7	9063.9	8273.8	7391.4
67.5°	11174.3	11136.7	11010.1	10787.8	10560.3	10160.2	9660.8	9099.8	8520.1	7736.8	7013.4
70°	9488.1	9460.7	9299.9	9211.0	8834.8	8581.7	8178.1	7736.8	7223.8	6678.2	6062.6
72.5°	7034.0	6941.6	6811.6	6676.5	6421.7	6074.5	5759.9	5289.6	5024.5	4564.5	4217.3
75°	3729.9	3671.7	3469.9	3187.8	2873.1	2710.6	2384.0	2091.5	1859.0	1754.6	1503.2
77.5°	1289.5	1174.9	1062.0	935.5	742.2	584.9	466.9	372.8	294.2	259.9	217.2
80°	643.0	610.5	574.6	502.8	422.4	340.3	266.8	210.4	172.7	147.1	131.7
82.5°	521.6	461.7	412.2	360.8	289.0	237.7	188.1	153.9	126.6	111.2	97.5
85°	307.8	236.0	179.6	162.5	126.6	109.5	94.1	80.4	68.4	65.0	59.9
87.5°	12.0	15.4	15.4	12.0	15.4	13.7	13.7	12.0	12.0	12.0	12.0
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):

	83°	84°	85°	86°	87°	88°	89°	90°	95°	105°	115°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	189.8	188.1	188.1	186.4	184.7	184.7	184.7	183.0	179.6	172.7	167.6
5°	196.7	195.0	193.2	189.8	188.1	186.4	184.7	184.7	176.1	164.2	155.6
7.5°	205.2	201.8	198.4	195.0	193.2	189.8	186.4	184.7	172.7	157.3	148.8
10°	213.8	208.6	203.5	201.8	196.7	193.2	188.1	184.7	171.0	152.2	140.2
12.5°	224.0	217.2	210.4	205.2	198.4	195.0	189.8	184.7	167.6	147.1	133.4
15°	236.0	225.7	217.2	212.1	205.2	196.7	189.8	184.7	164.2	141.9	126.6
17.5°	251.4	239.4	229.2	218.9	208.6	200.1	193.2	186.4	159.0	135.1	118.0
20°	275.3	259.9	242.8	230.9	217.2	206.9	195.0	186.4	155.6	128.3	111.2
22.5°	307.8	283.9	265.1	244.6	227.5	213.8	200.1	189.8	150.5	121.4	102.6
25°	354.0	323.2	292.4	266.8	244.6	225.7	208.6	195.0	147.1	116.3	97.5
27.5°	405.3	369.4	328.4	297.6	266.8	239.4	220.6	203.5	147.1	112.9	92.3
30°	477.1	425.8	376.2	336.9	295.9	265.1	237.7	215.5	147.1	111.2	87.2
32.5°	564.4	506.2	442.9	386.5	338.6	294.2	259.9	230.9	150.5	107.7	83.8
35°	685.8	600.3	525.0	454.9	391.6	340.3	295.9	256.5	155.6	106.0	78.7
37.5°	781.6	678.9	583.2	502.8	429.3	366.0	309.5	266.8	150.5	99.2	73.5
40°	896.1	779.8	663.5	562.6	478.8	396.8	331.8	280.5	147.1	90.6	66.7
42.5°	1034.7	889.3	754.2	639.6	535.3	437.8	360.8	297.6	147.1	85.5	61.6
45°	1164.6	1005.6	855.1	711.4	590.0	482.3	388.2	316.4	145.4	80.4	54.7
47.5°	1325.4	1137.3	961.1	795.2	655.0	523.3	417.3	333.5	143.7	75.2	49.6
50°	1515.2	1286.1	1087.7	889.3	718.3	572.9	451.5	352.3	140.2	70.1	44.5
52.5°	1725.6	1479.3	1226.2	997.0	796.9	625.9	484.0	369.4	135.1	65.0	39.3
55°	2098.4	1759.8	1460.5	1176.6	916.7	704.6	531.9	395.1	130.0	59.9	34.2
57.5°	2992.8	2431.9	2007.7	1580.2	1207.4	904.7	661.8	468.6	123.1	53.0	27.4
60°	4699.6	3774.4	3054.4	2396.0	1826.5	1388.7	974.8	692.6	131.7	44.5	23.9
62.5°	6028.4	4964.6	4048.0	3222.0	2502.0	1901.7	1419.4	1034.7	189.8	39.3	18.8
64°	6375.5	5298.1	4319.9	3454.6	2705.5	2086.4	1583.6	1169.8	244.6	39.3	17.1
65°	6426.8	5400.7	4417.4	3540.1	2775.6	2136.0	1631.5	1214.2	266.8	41.0	15.4
67.5°	6214.8	5340.9	4446.5	3576.0	2828.6	2204.4	1696.5	1284.3	301.0	39.3	12.0
70°	5428.1	4785.1	4049.7	3345.1	2667.9	2095.0	1631.5	1245.0	314.7	37.6	10.3
72.5°	3694.0	3251.0	2816.7	2317.3	1857.3	1530.6	1190.3	877.3	220.6	30.8	8.6
75°	1231.3	1200.5	1074.0	814.0	684.1	555.8	444.6	342.0	83.8	18.8	8.6
77.5°	205.2	176.1	153.9	147.1	123.1	119.7	104.3	83.8	35.9	12.0	8.6
80°	119.7	109.5	95.8	85.5	75.2	66.7	56.4	47.9	22.2	8.6	10.3
82.5°	88.9	78.7	70.1	61.6	53.0	46.2	39.3	32.5	12.0	8.6	10.3
85°	51.3	44.5	39.3	34.2	27.4	23.9	20.5	17.1	8.6	8.6	8.6
87.5°	10.3	10.3	8.6	8.6	8.6	8.6	8.6	6.8	8.6	8.6	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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CANDELA DISTRIBUTION (continued):

	125°	135°	145°	155°	165°	175°	180°
0°	183.0	183.0	183.0	183.0	183.0	183.0	183.0
2.5°	164.2	159.0	157.3	157.3	157.3	157.3	157.3
5°	150.5	145.4	141.9	140.2	140.2	140.2	140.2
7.5°	140.2	133.4	130.0	126.6	126.6	124.8	124.8
10°	130.0	123.1	118.0	114.6	112.9	112.9	112.9
12.5°	121.4	114.6	107.7	104.3	104.3	102.6	102.6
15°	114.6	104.3	99.2	95.8	95.8	94.1	94.1
17.5°	106.0	97.5	92.3	88.9	87.2	87.2	87.2
20°	97.5	88.9	83.8	82.1	80.4	80.4	78.7
22.5°	90.6	82.1	77.0	75.2	73.5	73.5	71.8
25°	83.8	75.2	70.1	68.4	66.7	65.0	65.0
27.5°	78.7	70.1	65.0	61.6	59.9	58.1	58.1
30°	73.5	63.3	58.1	54.7	53.0	51.3	51.3
32.5°	68.4	58.1	51.3	47.9	46.2	44.5	44.5
35°	61.6	51.3	44.5	42.8	41.0	39.3	37.6
37.5°	56.4	44.5	39.3	35.9	34.2	32.5	32.5
40°	49.6	39.3	34.2	30.8	27.4	25.7	25.7
42.5°	44.5	34.2	29.1	23.9	22.2	20.5	20.5
45°	39.3	30.8	23.9	18.8	17.1	15.4	15.4
47.5°	34.2	25.7	18.8	15.4	13.7	12.0	12.0
50°	29.1	20.5	13.7	10.3	12.0	10.3	10.3
52.5°	25.7	15.4	10.3	10.3	10.3	10.3	10.3
55°	20.5	12.0	8.6	8.6	10.3	10.3	10.3
57.5°	17.1	8.6	6.8	8.6	8.6	8.6	8.6
60°	12.0	6.8	6.8	8.6	8.6	8.6	8.6
62.5°	10.3	6.8	6.8	6.8	8.6	8.6	8.6
64°	8.6	6.8	6.8	6.8	8.6	8.6	8.6
65°	8.6	6.8	6.8	6.8	8.6	8.6	8.6
67.5°	8.6	6.8	6.8	6.8	8.6	8.6	8.6
70°	6.8	6.8	6.8	6.8	8.6	8.6	8.6
72.5°	6.8	6.8	6.8	6.8	8.6	8.6	8.6
75°	6.8	6.8	6.8	6.8	8.6	8.6	8.6
77.5°	6.8	6.8	6.8	8.6	8.6	8.6	8.6
80°	6.8	6.8	6.8	8.6	8.6	8.6	8.6
82.5°	6.8	6.8	6.8	8.6	8.6	8.6	8.6
85°	6.8	6.8	6.8	8.6	8.6	8.6	8.6
87.5°	6.8	6.8	6.8	8.6	8.6	8.6	8.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)