

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: P152035

Luminaire Tested: **AVS-F02-LED-E-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P152035
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33728)
Test Lab: INNOVATION CENTER-P3
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: AVS-F02-LED-E-U-SL4-HSS
Description: VISION SITE SMALL LED LUMINAIRE
(2) LIGHTBARS WITH AccuLED OPTICS - TYPE 4 W/ SPILL LIGHT CONTROL AND HOUSE SIDE SHIELD
Light Source: (14) 4000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3359.6 lumens
Efficiency: N/A
Efficacy: 61.1 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type IV - Short - Semi-Cutoff
BUG Rating: B0 - U0 - G1

Input Watts (W): 55
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

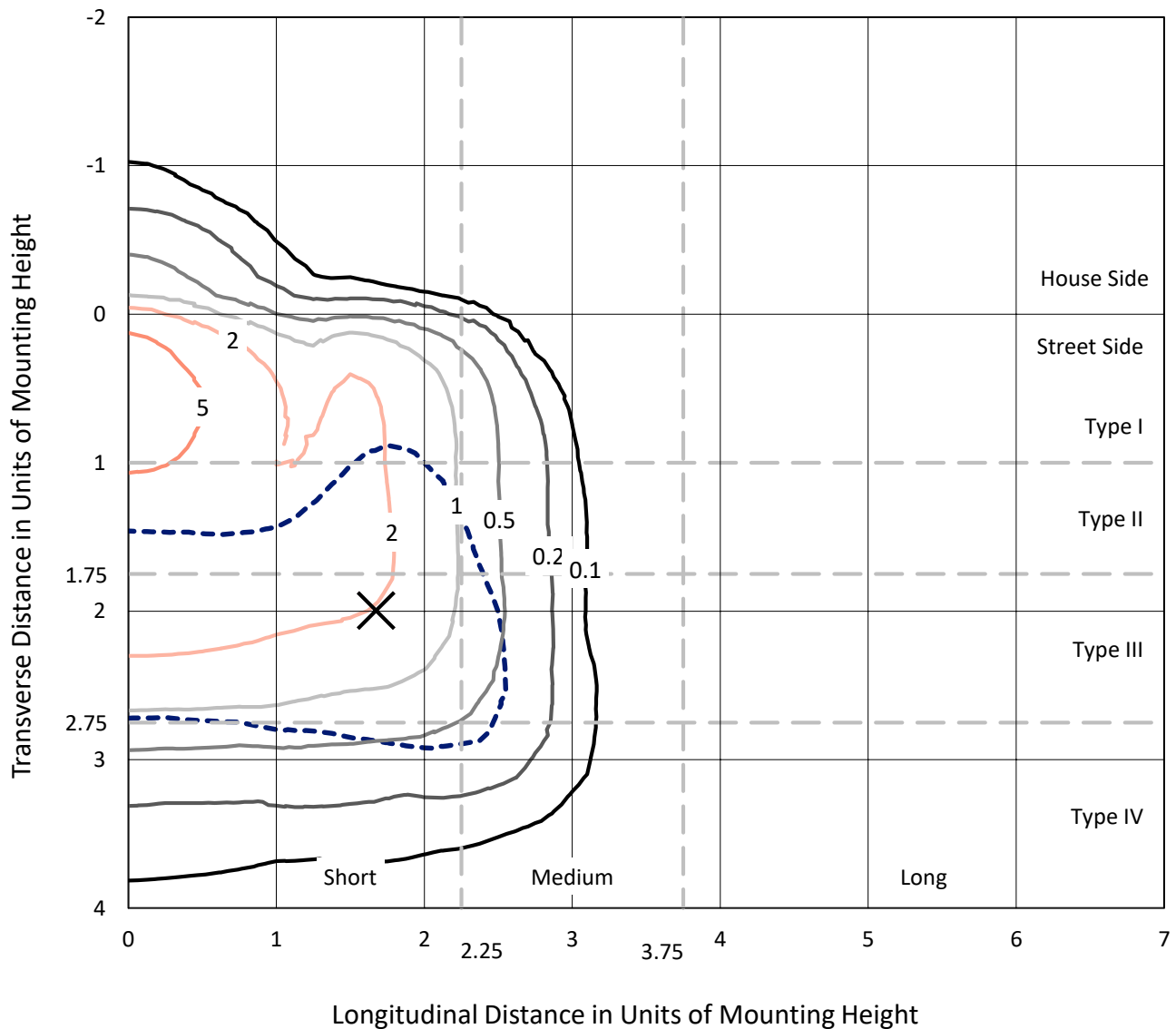


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

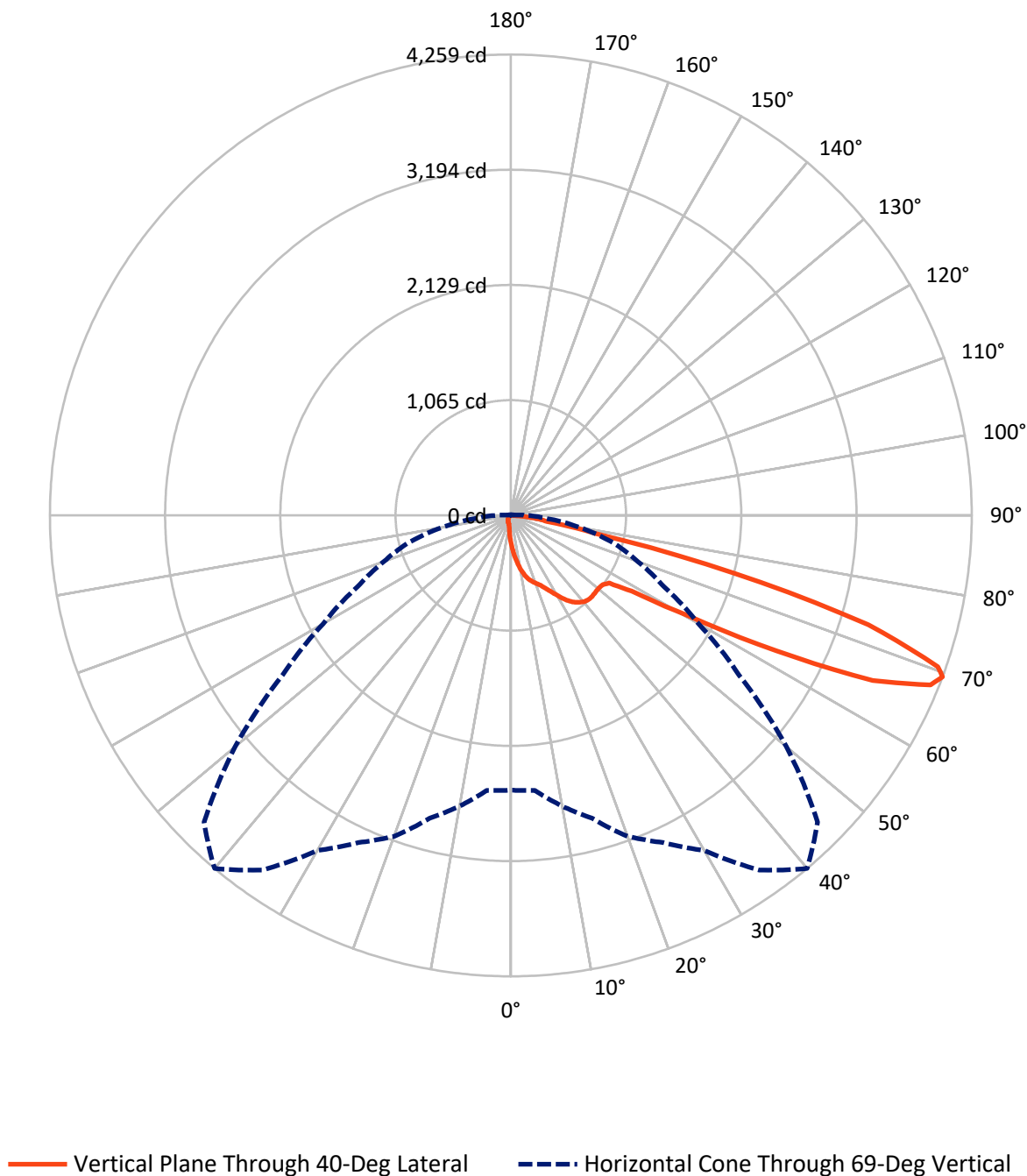


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type IV - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	100.1	0.0	100.1
	% Fixture	3.0	0.0	3.0
Street Side	Lumens	3259.5	0.0	3259.5
	% Fixture	97.0	0.0	97.0
Total	Lumens	3359.6	0.0	3359.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.1	0.8
10°-20°	89.9	2.7
20°-30°	172.1	5.1
30°-40°	286.2	8.5
40°-50°	387.2	11.5
50°-60°	605.6	18.0
60°-70°	1245.1	37.1
70°-80°	501.0	14.9
80°-90°	46.4	1.4
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°	3359.6	100.0
0°-180°	3359.6	100.0

Coefficient of Utilization



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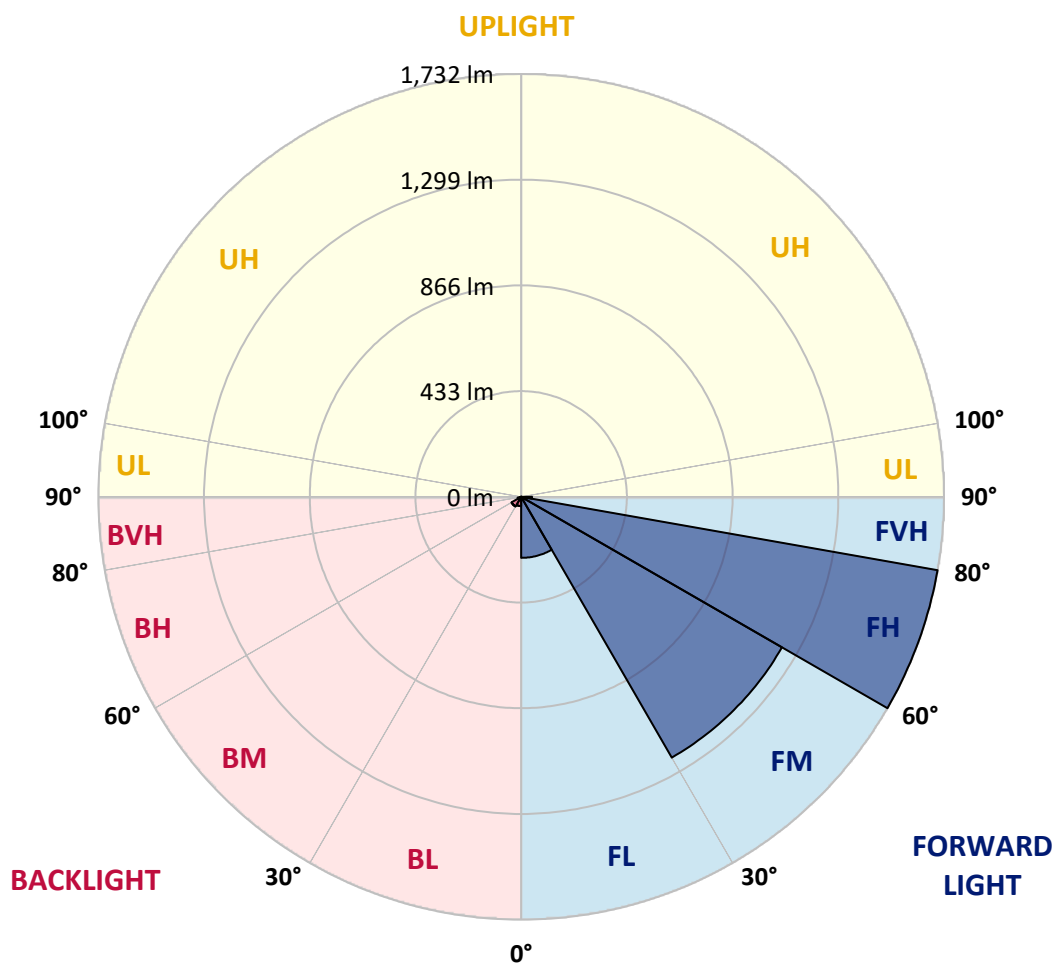
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.0	7.4			
FM	(30°-60°)	1233.4	36.7			
FH	(60°-80°)	1731.5	51.5			G1/1800
FVH	(80°-90°)	44.6	1.3			G1/100
BL	(0°-30°)	38.1	1.1	B0/110		
BM	(30°-60°)	45.7	1.4	B0/220		
BH	(60°-80°)	14.6	0.4	B0/110		G0/110
BVH	(80°-90°)	1.7	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	338.4	334.6	330.3	330.3	324.7	324.7	321.5	312.6	311.5	306.5	301.6
5°	432.0	428.7	423.2	418.2	413.9	406.1	400.6	390.2	378.7	367.7	357.7
7.5°	523.4	521.8	511.8	510.2	503.0	490.4	479.4	463.9	444.1	428.7	410.6
10°	608.2	604.2	602.1	592.7	582.3	568.5	551.4	532.7	509.6	485.4	459.6
12.5°	675.2	673.1	663.2	659.3	648.3	634.5	613.1	588.9	565.8	534.4	504.1
15°	725.4	721.6	714.9	708.8	695.6	683.5	663.7	637.3	609.2	575.1	538.8
17.5°	767.2	760.0	758.3	749.0	735.2	720.9	699.0	674.7	641.7	607.6	568.0
20°	823.3	813.4	810.2	796.4	780.4	760.6	735.2	705.0	670.4	633.0	592.2
22.5°	889.3	882.2	875.0	862.9	842.6	814.5	777.6	744.7	700.6	659.3	615.3
25°	982.9	976.9	965.3	948.8	923.5	889.9	845.4	796.9	745.2	692.3	640.6
27.5°	1073.8	1068.2	1060.0	1047.4	1018.7	981.9	926.8	865.2	799.7	735.9	678.5
30°	1159.1	1154.1	1145.8	1133.2	1107.9	1071.5	1009.3	943.3	861.9	787.6	718.8
32.5°	1251.0	1249.3	1239.9	1221.8	1199.8	1150.8	1083.1	1012.1	929.5	843.7	763.3
35°	1354.9	1342.3	1333.5	1315.3	1277.9	1225.6	1146.4	1068.8	981.9	893.8	804.0
37.5°	1443.0	1430.9	1419.9	1396.8	1351.1	1284.6	1194.8	1109.5	1019.8	930.1	838.8
40°	1507.4	1501.3	1488.2	1457.9	1406.7	1327.5	1230.6	1137.6	1047.4	957.1	866.8
42.5°	1555.3	1545.9	1531.1	1499.7	1439.2	1348.9	1244.9	1149.1	1060.0	973.6	885.0
45°	1572.8	1565.2	1551.4	1517.3	1451.8	1354.9	1244.4	1145.8	1060.5	978.5	897.1
47.5°	1562.5	1554.7	1542.6	1510.7	1446.3	1347.8	1234.4	1136.5	1055.0	980.2	908.1
50°	1527.8	1523.4	1514.0	1487.0	1429.2	1334.1	1225.6	1131.5	1053.9	988.4	923.5
52.5°	1524.5	1521.8	1510.2	1483.2	1424.4	1329.6	1224.6	1134.3	1063.3	998.9	934.5
55°	1862.9	1823.8	1736.4	1662.1	1539.9	1394.6	1280.1	1178.9	1102.9	1040.2	995.0
57.5°	2647.8	2589.4	2474.4	2333.0	2052.2	1776.6	1555.9	1396.3	1317.5	1288.9	1306.0
60°	3015.3	3004.9	2986.7	2919.6	2776.0	2538.8	2274.6	1989.0	1874.5	1864.6	1899.3
62.5°	3189.8	3183.2	3188.7	3180.5	3135.9	3066.5	2990.6	2867.4	2754.0	2680.7	2525.6
65°	3270.2	3274.6	3305.9	3330.7	3336.3	3354.4	3409.9	3563.5	3675.8	3487.0	3056.1
67.5°	3066.0	3091.9	3163.9	3254.2	3359.9	3462.3	3627.4	3951.0	4181.6	3959.8	3347.8
69°	2538.2	2550.9	2726.9	2897.0	3155.1	3335.6	3575.0	3999.4	4258.7	4008.2	3324.7
70°	1998.3	2009.8	2198.7	2429.8	2866.2	3098.4	3411.6	3917.4	4186.5	3943.8	3205.8
72.5°	901.5	885.0	951.6	1075.3	1549.7	1918.5	2466.1	3173.9	3454.0	3159.6	2398.4
75°	629.6	622.5	629.6	630.2	703.9	908.1	1145.8	1720.4	2127.7	1836.0	1145.8
77.5°	487.6	482.7	477.7	472.2	481.0	538.8	561.9	610.4	792.5	749.5	437.0
80°	385.8	381.3	393.5	389.6	389.6	396.3	391.8	373.7	339.6	314.8	281.8
82.5°	179.4	180.5	180.5	196.0	236.1	275.8	288.4	270.3	240.0	204.1	164.6
85°	17.1	19.3	32.4	50.1	99.6	112.2	112.8	93.6	93.6	73.8	59.5
87.5°	0.0	0.5	0.5	0.5	5.0	13.8	11.6	3.3	1.7	1.7	2.8
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	292.7	291.1	284.6	277.9	271.9	265.3	259.2	253.2	246.5	241.6	235.5
5°	342.3	330.3	316.5	303.2	290.1	276.3	262.0	249.3	236.1	224.0	212.4
7.5°	392.4	368.7	350.1	326.3	304.9	283.4	263.6	243.2	224.6	206.9	190.5
10°	434.8	406.1	377.0	346.7	315.9	287.3	259.8	235.5	210.8	189.3	168.9
12.5°	469.4	433.2	397.3	359.4	324.7	288.4	254.3	225.1	196.0	171.7	150.8
15°	500.8	459.0	416.1	372.0	328.0	286.7	248.8	212.4	182.7	155.2	131.5
17.5°	526.1	478.2	429.8	380.3	333.0	284.6	241.6	203.6	168.9	140.3	117.2
20°	548.2	498.0	445.8	390.2	336.3	283.9	235.5	192.6	156.9	126.6	104.0
22.5°	568.5	518.4	462.3	402.9	341.2	283.4	230.1	184.4	146.4	116.2	93.6
25°	591.6	538.8	479.9	416.1	350.1	285.6	226.7	177.7	137.0	106.2	85.3
27.5°	617.5	561.9	500.8	432.5	361.6	290.1	225.6	170.6	128.8	96.9	78.7
30°	653.8	589.4	521.8	449.1	372.0	295.0	224.6	166.2	120.5	89.7	72.1
32.5°	685.7	616.4	544.9	466.1	383.6	299.9	224.0	160.1	112.8	82.6	67.2
35°	719.3	641.1	564.7	482.7	393.5	305.5	223.4	155.8	105.7	75.4	62.2
37.5°	748.5	662.1	580.1	497.0	404.5	310.4	224.0	151.9	99.1	69.3	57.8
40°	773.3	683.5	597.1	510.2	416.1	318.1	224.6	148.1	92.4	63.8	53.9
42.5°	795.2	703.9	615.3	525.1	429.2	326.9	227.9	144.8	86.9	58.9	50.1
45°	812.3	722.6	635.1	545.9	450.8	341.2	233.9	142.6	81.5	54.5	46.7
47.5°	829.9	750.2	668.7	579.0	482.1	363.7	244.4	142.0	77.1	51.2	44.0
50°	854.1	777.6	698.4	612.5	510.7	386.9	257.0	142.6	71.5	47.9	41.2
52.5°	871.7	805.7	736.9	670.9	579.0	457.3	306.0	152.4	68.8	45.1	37.9
55°	975.8	964.2	965.9	976.9	905.9	778.2	511.8	220.1	80.9	51.2	37.4
57.5°	1375.9	1416.6	1440.3	1439.7	1322.5	1096.9	687.4	282.9	90.3	59.5	44.6
60°	1902.0	1871.2	1827.7	1720.4	1564.7	1252.0	768.8	304.4	78.1	47.4	40.7
62.5°	2367.0	2186.5	2026.4	1852.4	1648.3	1306.0	785.4	302.7	68.3	35.8	28.6
65°	2657.1	2332.3	2073.7	1855.8	1615.2	1260.8	743.0	277.9	57.8	29.1	23.6
67.5°	2726.4	2253.7	1887.7	1609.7	1349.4	981.2	545.4	209.1	45.1	24.2	20.9
69°	2575.1	2003.3	1564.1	1248.7	981.9	651.1	337.4	132.1	34.7	22.0	19.3
70°	2368.7	1742.4	1274.1	1002.2	727.0	457.3	236.1	93.1	28.1	20.4	17.6
72.5°	1523.9	915.2	626.3	435.9	299.9	182.2	92.4	41.9	21.5	17.1	14.3
75°	591.1	338.4	245.5	186.5	145.8	101.2	56.2	26.9	18.1	14.3	11.0
77.5°	291.1	222.9	182.2	125.0	72.6	45.1	30.3	20.9	14.8	10.5	7.2
80°	230.1	153.0	91.4	56.7	42.9	32.4	23.1	17.1	11.0	6.6	5.0
82.5°	117.8	64.4	47.4	38.5	31.9	25.3	18.8	12.1	7.2	4.4	3.8
85°	36.9	26.9	24.2	23.6	22.0	18.1	13.2	7.7	4.4	2.8	2.8
87.5°	2.8	3.8	5.0	3.8	4.4	3.8	5.0	3.3	2.2	2.2	1.7
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7	253.7
2.5°	231.2	224.6	218.4	214.6	207.5	204.8	202.0	200.8	196.0	197.0	192.6
5°	202.0	190.5	181.7	172.8	164.6	158.5	153.6	147.5	142.6	140.3	136.0
7.5°	175.5	160.7	149.1	139.8	129.8	122.2	115.5	111.2	106.7	102.4	100.2
10°	152.4	136.5	123.3	113.9	104.6	97.9	93.1	89.7	86.9	85.3	84.8
12.5°	131.0	115.5	103.4	95.2	88.1	84.8	82.6	80.9	80.3	79.8	79.8
15°	114.5	99.1	89.7	83.6	80.3	78.7	78.1	77.1	76.0	75.4	75.4
17.5°	99.1	87.5	80.9	77.6	76.0	74.8	73.8	72.6	71.5	71.0	71.0
20°	88.6	79.3	76.0	73.8	72.1	71.0	69.3	68.3	67.7	67.2	66.6
22.5°	80.3	74.3	72.1	70.5	68.3	66.6	65.5	64.4	63.3	62.7	62.2
25°	74.3	70.5	68.8	66.6	64.4	62.7	61.1	59.5	58.3	57.8	56.7
27.5°	69.8	67.2	65.0	62.2	60.0	58.3	56.7	55.0	53.9	52.8	52.3
30°	66.0	63.3	60.5	58.3	55.5	53.9	51.7	50.1	49.5	48.4	47.4
32.5°	62.2	59.5	56.7	53.9	51.2	49.0	47.9	45.7	44.6	44.0	42.9
35°	57.8	55.0	51.7	49.5	46.7	44.6	42.9	41.2	40.2	39.1	38.5
37.5°	53.9	50.7	47.4	44.6	42.4	40.2	38.5	36.9	35.8	34.7	34.1
40°	49.5	46.2	42.9	40.2	37.9	36.4	34.7	33.1	31.9	31.4	31.4
42.5°	45.7	41.9	38.5	36.4	34.7	32.4	30.8	29.1	28.6	28.1	28.6
45°	41.9	37.9	35.2	33.1	31.4	29.1	27.6	26.4	25.9	26.4	26.9
47.5°	38.5	34.7	31.9	30.3	28.6	26.9	25.3	24.2	24.2	25.3	26.4
50°	35.2	31.4	29.1	28.1	26.4	24.8	22.6	22.0	22.6	23.6	24.8
52.5°	31.9	27.6	25.9	25.3	23.6	22.0	20.4	19.8	20.4	21.5	20.9
55°	28.6	24.2	23.6	23.1	21.5	19.3	17.6	17.6	17.6	17.1	16.0
57.5°	27.6	21.5	20.9	20.4	18.8	16.5	15.4	14.3	13.8	12.1	11.6
60°	28.6	19.3	19.3	18.1	16.5	14.3	12.6	11.0	9.9	8.8	8.8
62.5°	23.1	17.6	17.1	16.0	13.8	11.6	9.9	8.3	7.7	7.2	7.2
65°	18.8	16.0	14.8	13.2	11.6	9.3	7.7	6.6	6.0	6.0	6.6
67.5°	17.1	14.3	12.6	11.0	9.3	7.2	6.0	5.5	5.5	6.0	6.0
69°	16.0	13.2	11.6	9.9	8.3	6.6	5.5	5.5	5.5	5.5	6.0
70°	14.8	12.6	11.0	9.3	7.2	5.5	5.0	5.0	5.5	5.5	6.0
72.5°	11.6	9.9	9.3	7.7	5.5	5.0	4.4	5.0	5.0	5.5	5.5
75°	8.8	7.2	7.2	6.0	4.4	3.8	3.8	4.4	4.4	5.0	5.0
77.5°	6.0	5.0	5.0	4.4	3.8	3.3	3.3	3.8	4.4	4.4	5.0
80°	4.4	3.8	3.3	3.8	3.3	2.8	3.3	3.8	3.8	4.4	4.4
82.5°	3.3	3.3	3.3	3.3	2.8	2.8	3.3	3.3	3.8	4.4	4.4
85°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	3.3	3.3	3.8	3.8
87.5°	1.7	1.7	1.7	2.2	2.2	2.8	2.8	2.8	2.8	3.3	3.3
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):

	165°	170°	175°	180°
0°	253.7	253.7	253.7	253.7
2.5°	191.5	191.0	188.8	189.3
5°	134.3	131.0	133.2	132.6
7.5°	98.5	97.9	97.4	98.5
10°	84.2	84.2	83.6	84.2
12.5°	79.3	79.3	79.3	79.3
15°	75.4	75.4	74.8	74.8
17.5°	71.0	71.0	71.0	70.5
20°	66.6	66.0	66.0	66.0
22.5°	61.7	61.1	61.1	61.1
25°	56.7	56.2	56.2	56.2
27.5°	51.7	51.2	50.7	50.7
30°	46.7	46.2	45.7	45.7
32.5°	41.9	41.2	40.7	40.7
35°	37.4	37.4	36.9	36.4
37.5°	33.6	33.6	33.6	33.6
40°	30.8	31.4	31.4	31.4
42.5°	29.1	29.7	30.3	30.8
45°	28.1	29.1	29.7	29.7
47.5°	27.6	28.1	28.6	28.6
50°	25.3	24.8	24.8	24.8
52.5°	20.4	19.3	18.8	18.1
55°	14.8	14.3	13.2	13.2
57.5°	10.5	10.5	9.9	9.9
60°	8.3	8.3	7.7	8.3
62.5°	7.2	7.2	7.2	7.2
65°	6.6	6.6	6.6	6.6
67.5°	6.6	6.6	6.6	6.6
69°	6.0	6.0	6.0	6.0
70°	6.0	6.0	6.0	6.0
72.5°	5.5	5.5	5.5	5.5
75°	5.0	5.5	5.5	5.5
77.5°	5.0	5.0	5.0	5.0
80°	4.4	4.4	5.0	5.0
82.5°	4.4	4.4	4.4	4.4
85°	3.8	3.8	4.4	4.4
87.5°	3.3	3.3	3.8	3.8
90°	0.0	0.0	0.0	0.0

(END OF REPORT)