

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: P560444

Luminaire Tested: **SDL-PA1-40-827-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-SL3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3043.8 lumens
Efficiency: N/A
Efficacy: 77.3 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type IV - Medium
BUG Rating: B0 - U0 - G1

Input Watts (W): 39.4
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: 24 FT

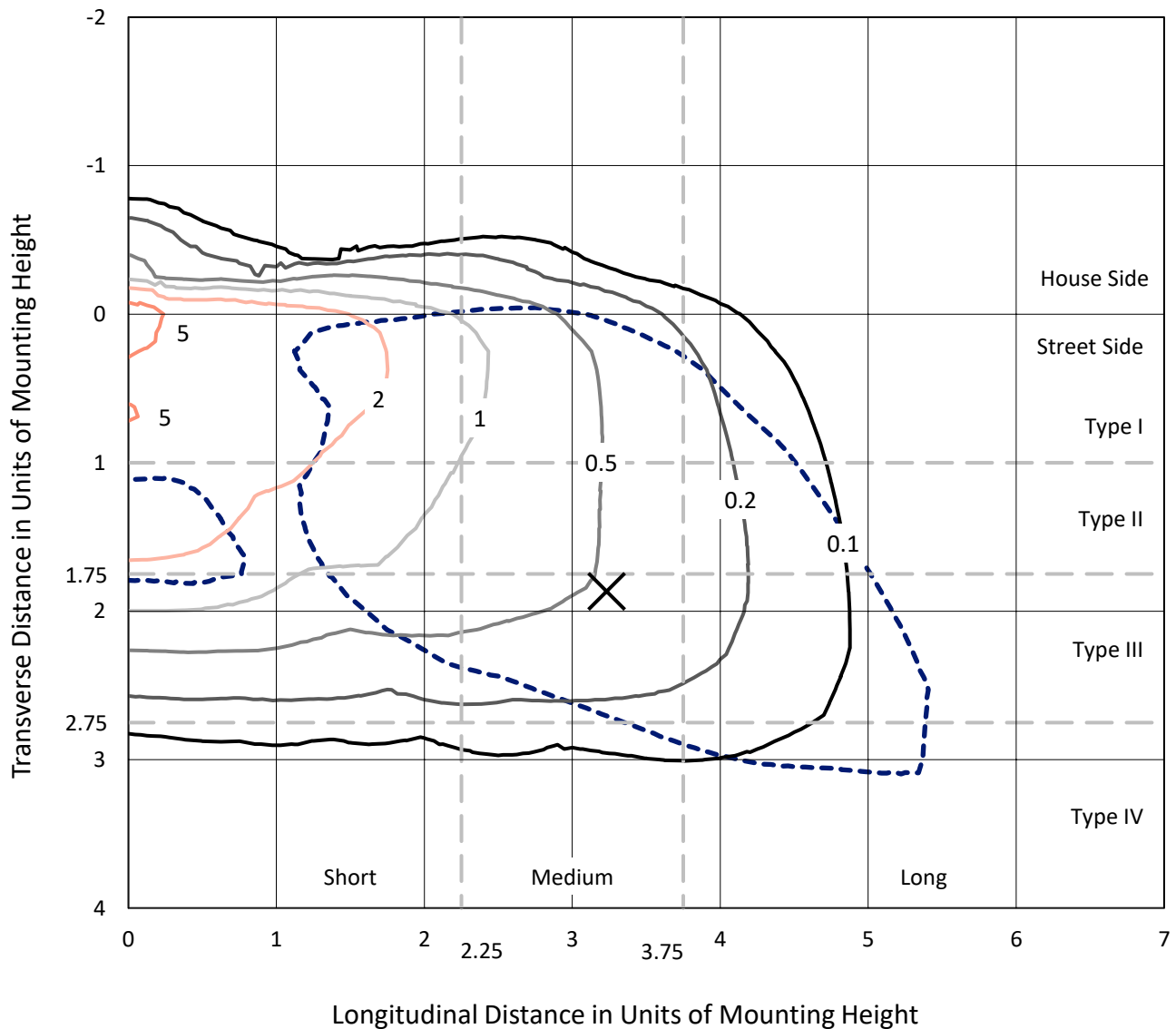


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

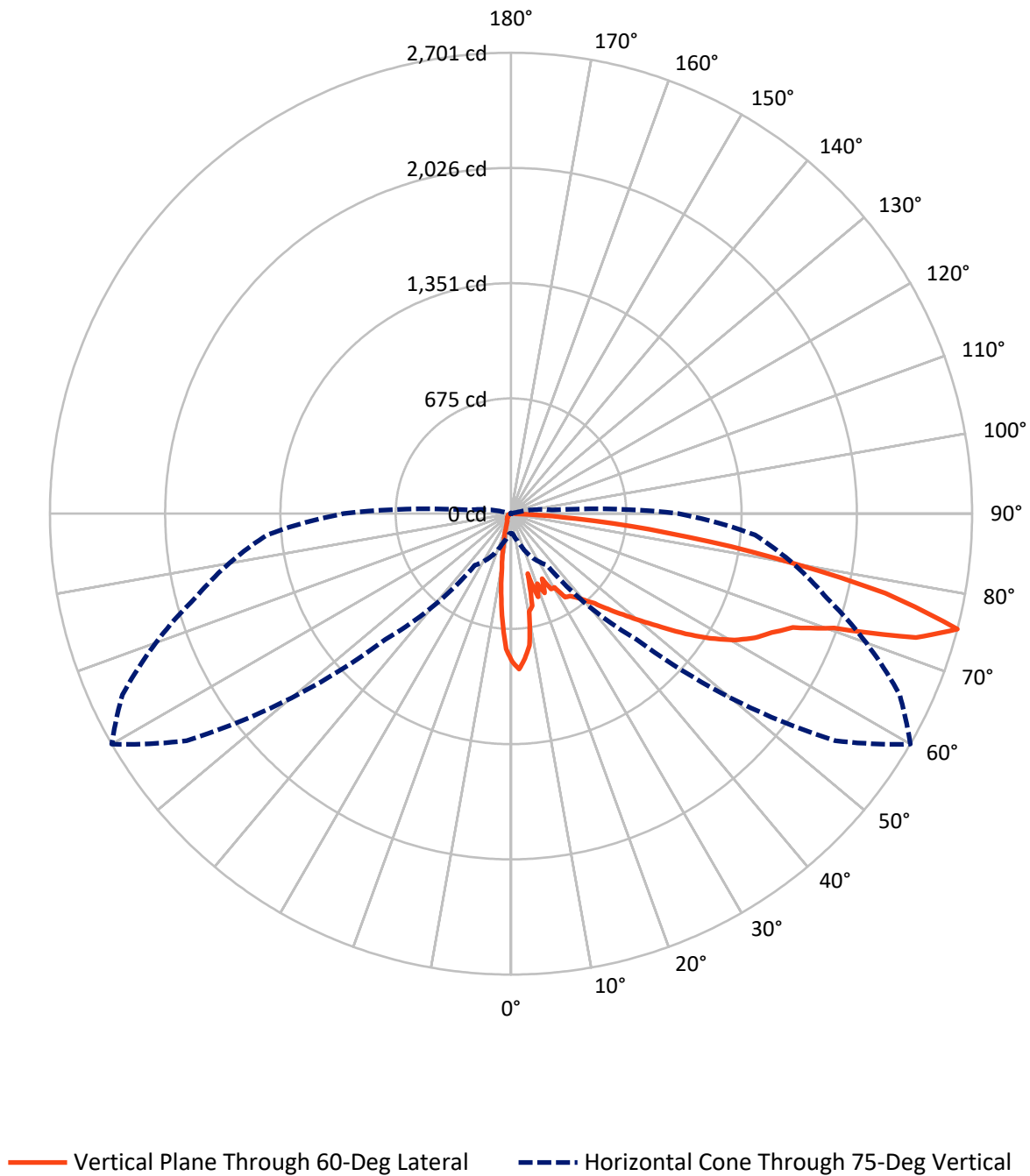


Based on 10 foot mounting height. Maximum calculated value = 8.7 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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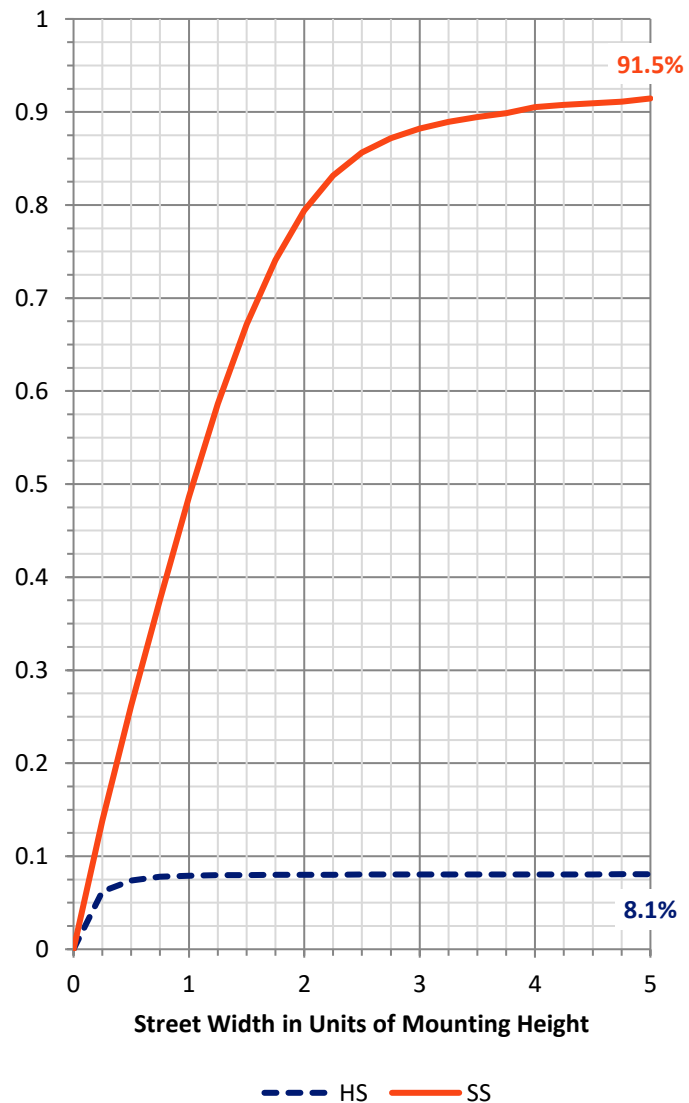
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	248.0	0.0	248.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	2795.8	0.0	2795.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	3043.8	0.0	3043.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	2.0
10°-20°	99.6	3.3
20°-30°	142.7	4.7
30°-40°	254.0	8.3
40°-50°	418.1	13.7
50°-60°	644.7	21.2
60°-70°	751.4	24.7
70°-80°	582.3	19.1
80°-90°	90.9	3.0
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°	3043.8	100.0
0°-180°	3043.8	100.0

Coefficient of Utilization



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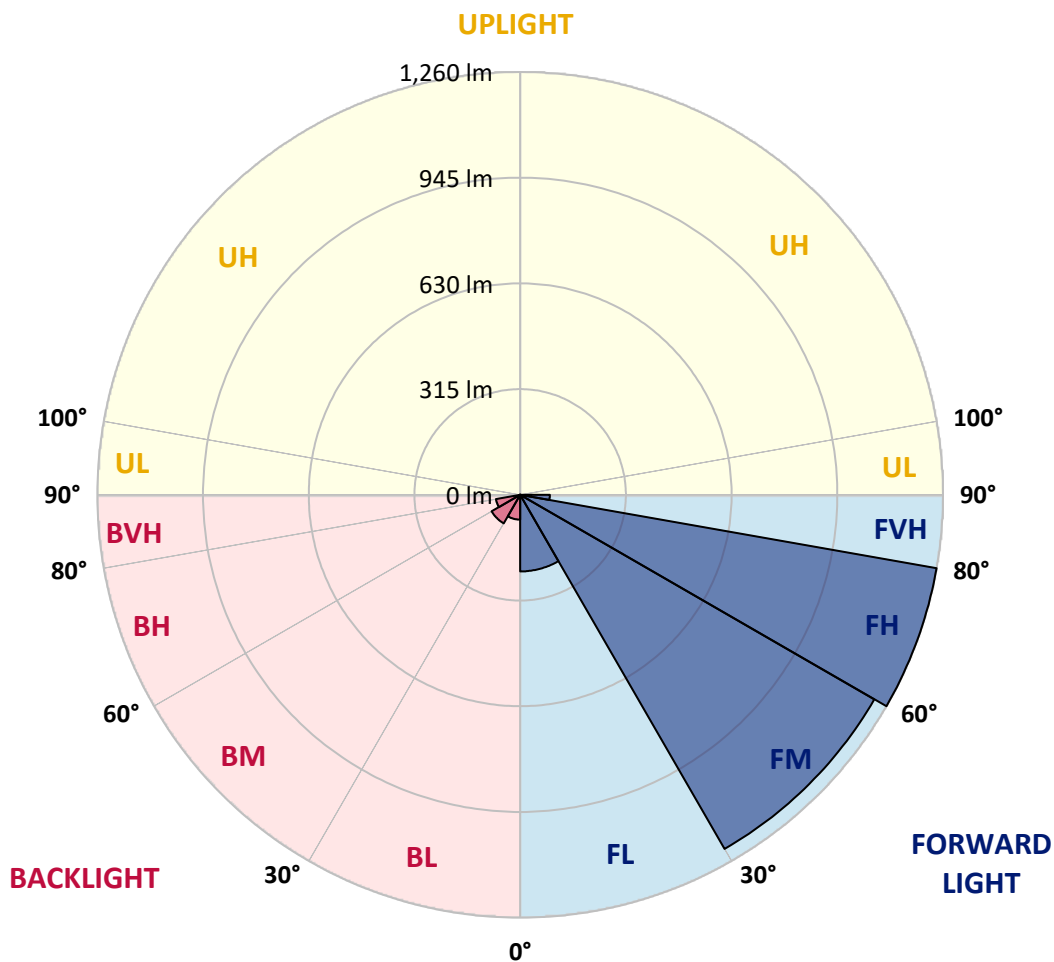
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	228.4	7.5			
FM	(30°-60°)	1218.7	40.0			
FH	(60°-80°)	1260.3	41.4			G1/1800
FVH	(80°-90°)	88.4	2.9			G1/100
BL	(0°-30°)	73.9	2.4	B0/110		
BM	(30°-60°)	98.2	3.2	B0/220		
BH	(60°-80°)	73.3	2.4	B0/110		G0/110
BVH	(80°-90°)	2.5	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-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3
2.5°	810.5	840.9	859.4	876.6	899.1	921.6	922.9	924.2	924.2	924.2	922.9
5°	782.7	785.4	785.4	785.4	789.3	793.3	795.9	797.3	798.6	798.6	797.3
7.5°	612.2	661.1	691.5	720.6	728.5	736.5	747.0	756.3	764.2	770.8	776.1
10°	678.3	683.6	683.6	682.2	688.9	694.1	642.6	589.7	610.8	632.0	605.6
12.5°	523.6	550.0	583.1	614.8	636.0	657.1	633.3	609.5	572.5	534.2	531.5
15°	612.2	616.1	617.5	618.8	583.1	546.1	502.4	457.5	487.9	518.3	474.7
17.5°	470.7	474.7	511.7	548.7	552.7	556.6	528.9	499.8	436.3	372.9	432.4
20°	563.2	565.9	565.9	565.9	495.8	425.7	431.0	435.0	454.8	474.7	460.1
22.5°	453.5	448.2	450.9	452.2	473.3	493.2	452.2	409.9	440.3	469.4	444.3
25°	567.2	568.5	560.6	551.3	489.2	425.7	448.2	469.4	433.7	396.7	432.4
27.5°	513.0	507.7	489.2	470.7	479.9	489.2	446.9	403.3	437.6	470.7	454.8
30°	675.6	673.0	649.2	624.1	550.0	474.7	466.7	457.5	437.6	416.5	444.3
32.5°	901.7	870.0	781.4	691.5	645.2	597.6	539.4	481.3	487.9	493.2	497.1
35°	952.0	937.4	899.1	860.7	789.3	716.6	637.3	556.6	538.1	519.6	530.2
37.5°	965.2	959.9	954.6	948.0	863.4	778.8	699.4	618.8	604.2	588.4	576.5
40°	978.4	983.7	999.6	1014.1	934.8	855.4	781.4	706.0	688.9	671.7	641.3
42.5°	1031.3	1035.3	1059.1	1082.9	1006.2	928.2	863.4	798.6	773.5	748.4	720.6
45°	1143.7	1147.6	1160.9	1174.1	1102.7	1030.0	958.6	885.9	866.0	844.9	813.1
47.5°	1299.7	1303.7	1297.1	1290.4	1208.5	1125.2	1040.6	955.9	949.3	942.7	909.7
50°	1478.2	1472.9	1437.2	1401.5	1311.6	1221.7	1122.5	1022.0	1027.3	1032.6	1008.8
52.5°	1560.2	1557.5	1516.5	1475.5	1383.0	1289.1	1186.0	1081.5	1100.0	1117.2	1104.0
55°	1554.9	1553.6	1525.8	1498.0	1410.8	1323.5	1227.0	1130.5	1172.8	1213.8	1205.8
57.5°	1496.7	1499.3	1495.4	1491.4	1414.7	1338.0	1260.0	1182.0	1245.5	1307.6	1318.2
60°	1405.5	1405.5	1425.3	1443.8	1398.9	1352.6	1287.8	1221.7	1309.0	1396.2	1422.7
62.5°	1215.1	1236.2	1278.5	1320.9	1335.4	1349.9	1297.1	1244.2	1364.5	1484.8	1523.1
65°	936.1	945.4	1022.0	1098.7	1170.1	1240.2	1244.2	1248.1	1431.9	1614.4	1627.6
67.5°	543.4	581.8	666.4	749.7	889.8	1028.7	1100.0	1171.4	1461.0	1749.2	1763.8
70°	285.6	301.5	342.4	382.1	507.7	632.0	809.2	985.0	1393.6	1800.8	1927.7
72.5°	195.7	210.2	232.7	255.2	302.8	349.1	476.0	601.6	1109.3	1617.0	2011.0
75°	115.0	119.0	146.8	174.5	226.1	277.7	323.9	368.9	706.0	1041.9	1680.5
77.5°	46.3	50.2	62.1	74.0	146.8	218.2	265.8	313.4	394.0	474.7	1154.3
80°	25.1	25.1	30.4	34.4	66.1	96.5	178.5	260.5	300.1	339.8	748.4
82.5°	14.5	14.5	18.5	21.2	33.1	45.0	101.8	158.7	234.0	308.1	505.1
85°	5.3	5.3	6.6	7.9	15.9	22.5	37.0	50.2	145.4	239.3	290.9
87.5°	1.3	1.3	2.6	2.6	4.0	5.3	6.6	6.6	5.3	4.0	26.4
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3
2.5°	920.2	912.3	907.0	897.8	888.5	880.6	871.3	859.4	850.2	838.3	826.4
5°	795.9	851.5	908.3	903.0	896.4	877.9	859.4	838.3	818.4	794.6	770.8
7.5°	780.1	778.8	724.6	752.3	778.8	757.6	736.5	712.7	686.2	639.9	593.7
10°	579.1	583.1	581.8	588.4	595.0	612.2	628.0	593.7	560.6	487.9	413.8
12.5°	528.9	554.0	560.6	515.6	470.7	489.2	507.7	473.3	440.3	372.9	305.4
15°	429.7	364.9	457.5	518.3	577.8	587.0	595.0	550.0	497.1	404.6	310.7
17.5°	490.5	513.0	486.6	487.9	487.9	489.2	490.5	449.5	396.7	326.6	256.5
20°	445.6	439.0	441.6	485.2	528.9	558.0	585.7	523.6	456.2	347.7	238.0
22.5°	419.1	505.1	542.1	523.6	505.1	458.8	411.2	363.6	308.1	253.9	198.3
25°	466.7	421.8	450.9	522.3	593.7	593.7	593.7	511.7	420.5	304.1	187.7
27.5°	439.0	501.1	530.2	587.0	642.6	666.4	688.9	584.4	464.1	320.0	174.5
30°	472.0	501.1	604.2	717.9	831.6	811.8	790.7	657.1	505.1	335.8	166.6
32.5°	501.1	583.1	674.3	760.3	846.2	823.7	799.9	651.8	481.3	302.8	124.3
35°	540.8	593.7	678.3	782.7	887.2	852.8	817.1	654.5	462.8	277.7	92.6
37.5°	564.6	622.7	714.0	823.7	932.1	889.8	847.5	666.4	446.9	259.1	71.4
40°	609.5	667.7	758.9	874.0	989.0	940.1	889.8	687.5	437.6	248.6	59.5
42.5°	692.8	719.3	821.1	942.7	1064.4	1012.8	959.9	732.5	435.0	243.3	51.6
45°	780.1	797.3	887.2	1023.4	1158.2	1105.3	1051.1	788.0	444.3	247.2	48.9
47.5°	875.3	884.5	966.5	1135.7	1305.0	1232.3	1159.5	864.7	464.1	255.2	46.3
50°	985.0	985.0	1064.4	1246.8	1429.3	1353.9	1278.5	954.6	489.2	267.1	45.0
52.5°	1089.5	1104.0	1164.8	1351.3	1537.7	1467.6	1396.2	1053.8	522.3	282.9	42.3
55°	1196.6	1242.8	1265.3	1455.7	1646.1	1565.5	1484.8	1126.5	542.1	290.9	39.7
57.5°	1328.8	1377.7	1389.6	1550.9	1712.2	1634.2	1554.9	1188.6	556.6	297.5	38.3
60°	1449.1	1504.6	1528.4	1647.4	1765.1	1684.5	1603.8	1242.8	569.9	302.8	34.4
62.5°	1560.2	1602.5	1639.5	1716.2	1792.9	1717.5	1640.8	1290.4	577.8	304.1	30.4
65°	1640.8	1679.2	1732.0	1775.7	1819.3	1762.5	1705.6	1372.4	600.3	312.0	22.5
67.5°	1777.0	1781.0	1811.4	1847.1	1882.8	1852.4	1822.0	1486.1	626.7	322.6	17.2
70°	2053.3	2008.4	1968.7	2004.4	2038.8	1996.5	1954.2	1519.2	565.9	289.6	13.2
72.5°	2405.0	2480.4	2288.7	2214.6	2139.3	1983.3	1825.9	1307.6	401.9	206.3	10.6
75°	2319.1	2701.2	2512.1	2214.6	1917.2	1676.5	1434.6	981.1	247.2	128.3	7.9
77.5°	1832.5	2242.4	2175.0	1868.2	1560.2	1264.0	967.8	602.9	87.3	47.6	7.9
80°	1156.9	1550.9	1492.7	1213.8	933.5	663.7	394.0	183.8	33.1	21.2	9.3
82.5°	702.1	924.2	725.9	454.8	183.8	129.6	75.4	39.7	10.6	9.3	7.9
85°	341.1	382.1	249.9	144.1	37.0	34.4	30.4	19.8	5.3	5.3	4.0
87.5°	47.6	34.4	21.2	14.5	6.6	6.6	6.6	4.0	4.0	4.0	2.6
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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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3	867.3
2.5°	817.1	806.5	794.6	782.7	769.5	756.3	717.9	678.3	657.1	634.6	629.4
5°	727.2	683.6	629.4	573.8	550.0	526.2	514.3	501.1	493.2	483.9	476.0
7.5°	532.8	470.7	470.7	469.4	449.5	429.7	407.2	383.4	368.9	354.3	316.0
10°	380.8	346.4	322.6	298.8	289.6	280.3	251.2	220.8	223.4	224.8	216.8
12.5°	294.8	282.9	239.3	195.7	181.1	166.6	157.3	148.1	134.9	121.6	112.4
15°	252.5	194.4	161.3	128.3	113.7	97.8	84.6	70.1	66.1	60.8	67.4
17.5°	207.6	157.3	125.6	93.9	72.7	51.6	54.2	56.9	62.1	67.4	70.1
20°	178.5	119.0	91.2	63.5	56.9	50.2	52.9	54.2	52.9	50.2	58.2
22.5°	145.4	92.6	70.1	46.3	47.6	48.9	45.0	41.0	48.9	56.9	56.9
25°	124.3	60.8	54.2	47.6	43.6	39.7	45.0	48.9	46.3	43.6	50.2
27.5°	113.7	52.9	46.3	39.7	41.0	42.3	41.0	38.3	42.3	46.3	45.0
30°	108.4	48.9	45.0	39.7	38.3	35.7	37.0	37.0	35.7	34.4	38.3
32.5°	87.3	50.2	43.6	35.7	34.4	31.7	30.4	29.1	30.4	31.7	33.1
35°	70.1	46.3	41.0	34.4	31.7	29.1	27.8	25.1	25.1	25.1	26.4
37.5°	56.9	42.3	37.0	30.4	27.8	25.1	23.8	21.2	21.2	21.2	21.2
40°	50.2	39.7	34.4	27.8	25.1	21.2	19.8	17.2	17.2	15.9	15.9
42.5°	43.6	35.7	30.4	23.8	21.2	18.5	15.9	13.2	13.2	11.9	11.9
45°	41.0	33.1	27.8	22.5	18.5	14.5	13.2	10.6	10.6	9.3	9.3
47.5°	39.7	31.7	26.4	19.8	15.9	11.9	10.6	7.9	7.9	7.9	7.9
50°	37.0	29.1	23.8	17.2	14.5	10.6	9.3	6.6	6.6	6.6	6.6
52.5°	35.7	27.8	21.2	14.5	11.9	7.9	6.6	5.3	5.3	5.3	5.3
55°	34.4	29.1	21.2	13.2	10.6	6.6	5.3	4.0	4.0	4.0	4.0
57.5°	33.1	27.8	19.8	10.6	7.9	5.3	4.0	2.6	2.6	2.6	2.6
60°	29.1	23.8	15.9	7.9	6.6	4.0	2.6	1.3	2.6	2.6	2.6
62.5°	25.1	18.5	13.2	6.6	5.3	2.6	2.6	1.3	2.6	2.6	2.6
65°	18.5	14.5	10.6	5.3	4.0	1.3	1.3	1.3	2.6	2.6	2.6
67.5°	14.5	10.6	7.9	4.0	2.6	1.3	1.3	1.3	2.6	2.6	2.6
70°	10.6	7.9	5.3	2.6	2.6	1.3	1.3	1.3	2.6	2.6	2.6
72.5°	7.9	5.3	4.0	2.6	2.6	1.3	2.6	2.6	2.6	2.6	2.6
75°	6.6	5.3	4.0	2.6	2.6	1.3	2.6	2.6	4.0	4.0	4.0
77.5°	6.6	4.0	4.0	2.6	2.6	1.3	2.6	4.0	4.0	4.0	4.0
80°	6.6	4.0	4.0	2.6	2.6	1.3	2.6	4.0	4.0	4.0	4.0
82.5°	6.6	4.0	4.0	2.6	2.6	1.3	2.6	4.0	4.0	4.0	4.0
85°	4.0	4.0	4.0	4.0	2.6	1.3	4.0	5.3	5.3	4.0	4.0
87.5°	2.6	2.6	4.0	4.0	2.6	1.3	4.0	5.3	5.3	4.0	4.0
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):

	165°	170°	175°	180°
0°	867.3	867.3	867.3	867.3
2.5°	622.7	616.1	608.2	624.1
5°	468.0	462.8	457.5	466.7
7.5°	277.7	279.0	279.0	264.4
10°	207.6	195.7	182.5	182.5
12.5°	103.1	95.2	87.3	85.9
15°	74.0	75.4	76.7	76.7
17.5°	72.7	70.1	66.1	63.5
20°	64.8	67.4	68.8	68.8
22.5°	56.9	55.5	52.9	52.9
25°	56.9	58.2	59.5	59.5
27.5°	43.6	43.6	42.3	42.3
30°	42.3	42.3	42.3	42.3
32.5°	33.1	34.4	34.4	34.4
35°	27.8	27.8	27.8	27.8
37.5°	21.2	21.2	21.2	19.8
40°	15.9	15.9	15.9	15.9
42.5°	11.9	11.9	11.9	11.9
45°	9.3	9.3	9.3	9.3
47.5°	7.9	7.9	6.6	6.6
50°	5.3	5.3	5.3	5.3
52.5°	4.0	4.0	4.0	4.0
55°	2.6	2.6	2.6	2.6
57.5°	2.6	2.6	2.6	2.6
60°	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	1.3	1.3
65°	1.3	1.3	1.3	1.3
67.5°	1.3	1.3	1.3	1.3
70°	1.3	1.3	1.3	1.3
72.5°	2.6	2.6	1.3	1.3
75°	2.6	2.6	1.3	1.3
77.5°	2.6	2.6	1.3	1.3
80°	2.6	2.6	1.3	1.3
82.5°	2.6	2.6	1.3	1.3
85°	2.6	2.6	2.6	1.3
87.5°	2.6	2.6	2.6	1.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)