

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: P560812

Luminaire Tested: **SDL-PA1-60-827-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560812
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-827-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3991.1 lumens
Efficiency: N/A
Efficacy: 64.0 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 - G2

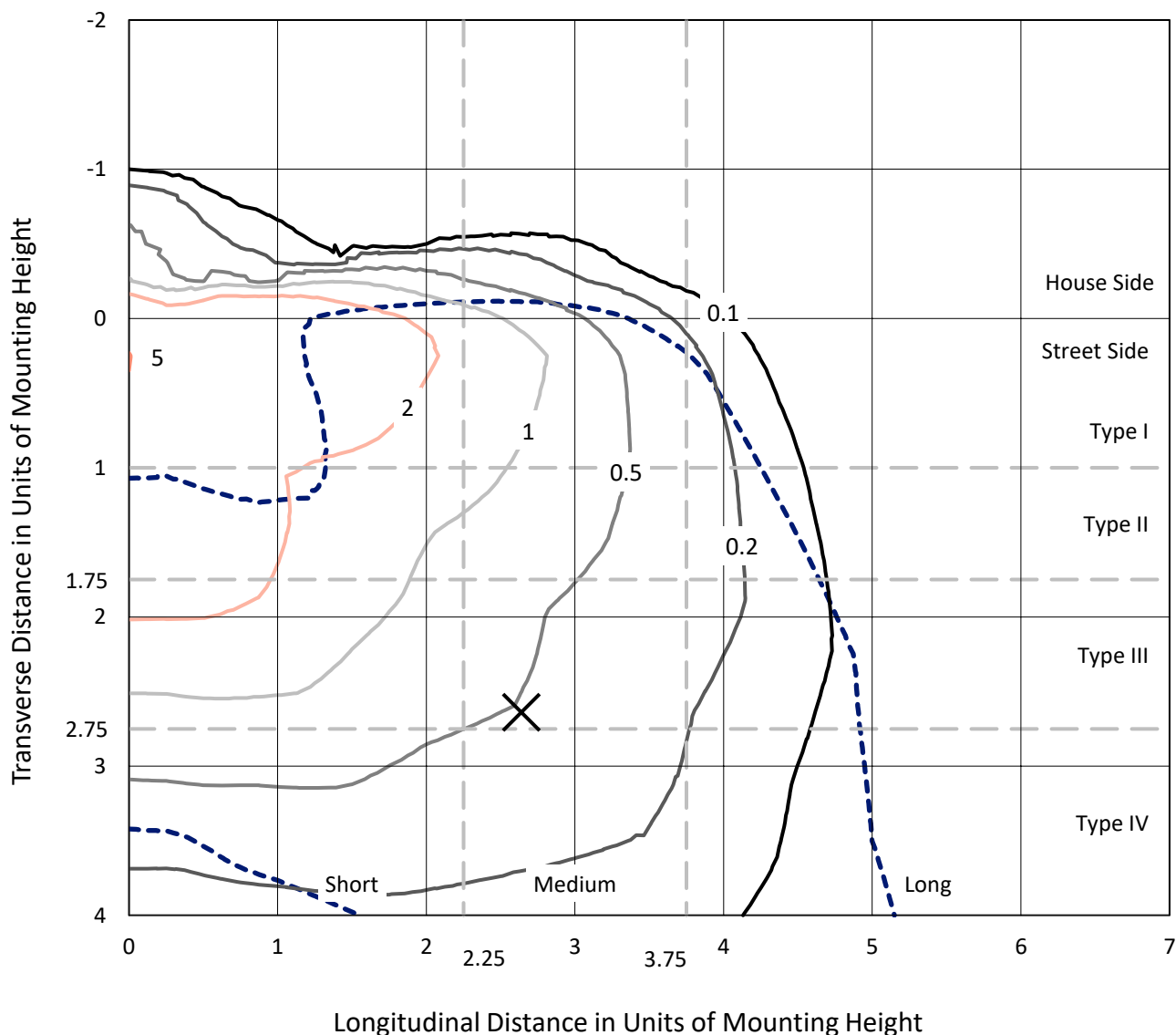
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

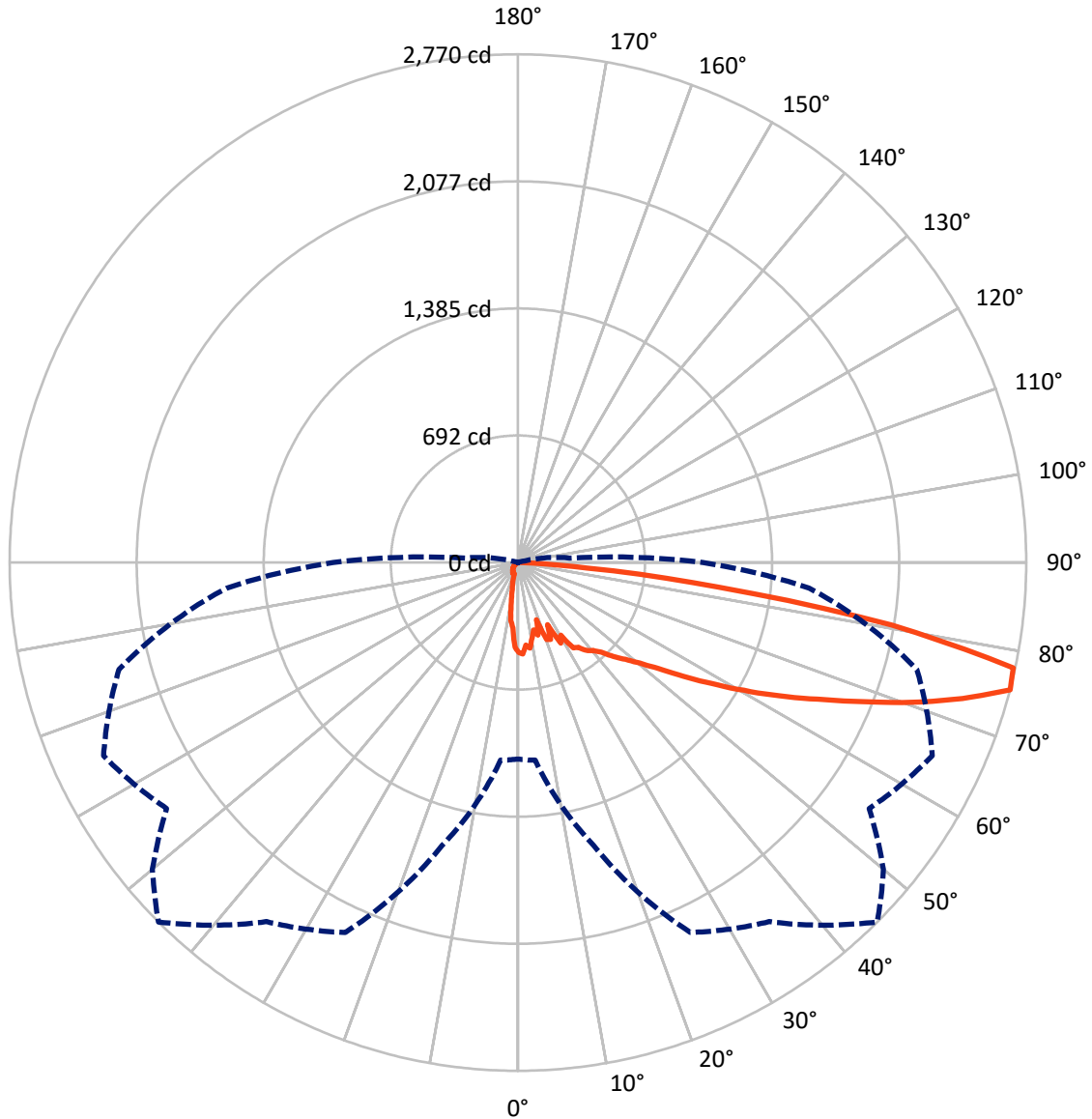
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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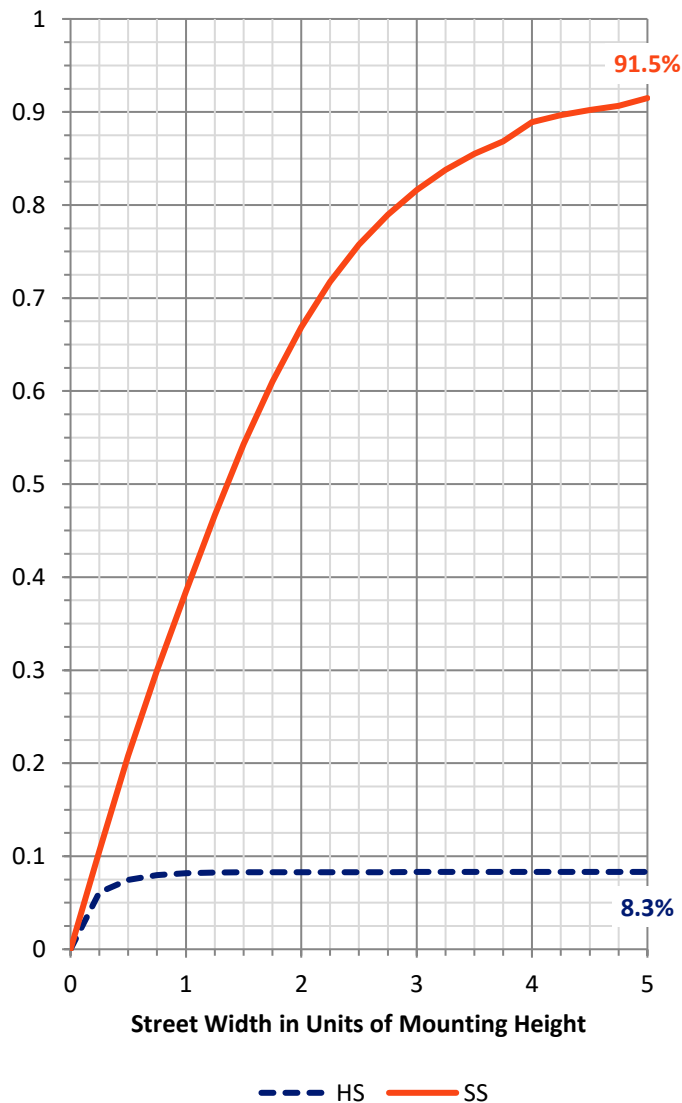
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	335.1	0.0	335.1
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3656.1	0.0	3656.1
	% Fixture	91.6	0.0	91.6
Total	Lumens	3991.1	0.0	3991.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.0	1.0
10°-20°	83.5	2.1
20°-30°	141.3	3.5
30°-40°	260.1	6.5
40°-50°	426.9	10.7
50°-60°	759.8	19.0
60°-70°	1136.9	28.5
70°-80°	1012.2	25.4
80°-90°	132.2	3.3
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°	3991.1	100.0
0°-180°	3991.1	100.0

Coefficient of Utilization



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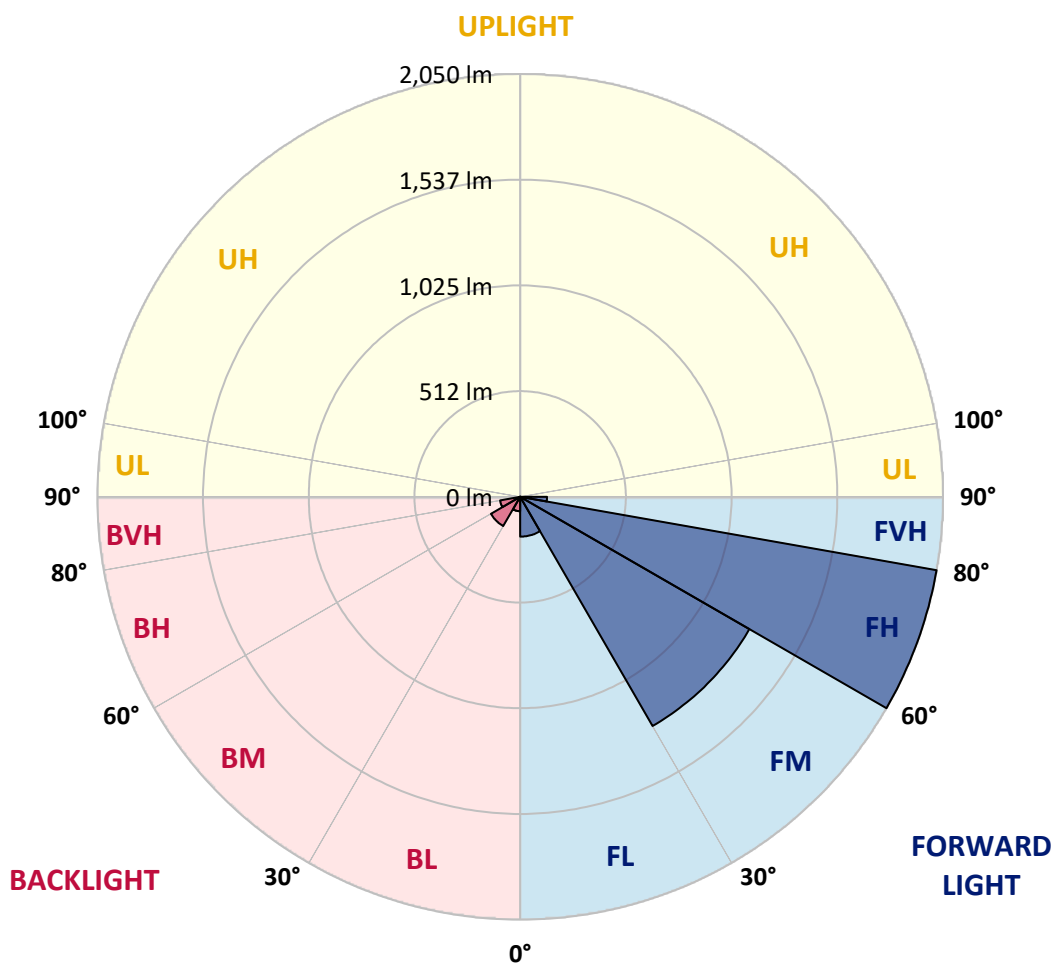
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	192.9	4.8			
FM (30°-60°)	1283.0	32.1			
FH (60°-80°)	2050.0	51.4			G2/5000
FVH (80°-90°)	130.2	3.3			G2/225
BL (0°-30°)	69.9	1.8	B0/110		
BM (30°-60°)	163.9	4.1	B0/220		
BH (60°-80°)	99.2	2.5	B0/110		G0/110
BVH (80°-90°)	2.0	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 IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	455.3	489.4	493.4	495.4	499.4	501.4	501.4	501.4	501.4	499.4	499.4
5°	481.3	479.3	477.3	475.3	473.3	469.3	465.3	459.3	455.3	451.3	447.2
7.5°	471.3	473.3	479.3	483.4	481.3	479.3	483.4	485.4	479.3	471.3	463.3
10°	549.5	545.5	541.5	537.5	531.5	525.5	477.3	429.2	425.2	419.2	415.2
12.5°	481.3	541.5	541.5	541.5	541.5	541.5	509.4	477.3	427.2	377.1	318.9
15°	601.7	599.7	591.7	583.6	529.5	473.3	443.2	413.2	413.2	411.1	387.1
17.5°	499.4	499.4	539.5	577.6	555.6	533.5	491.4	449.3	389.1	326.9	351.0
20°	631.8	631.8	623.7	615.7	523.5	431.2	435.2	439.2	443.2	447.2	371.0
22.5°	519.5	515.4	511.4	507.4	517.4	527.5	445.2	361.0	409.1	455.3	355.0
25°	633.8	639.8	635.8	629.8	547.5	465.3	483.4	499.4	437.2	375.0	435.2
27.5°	543.5	537.5	529.5	519.5	525.5	531.5	493.4	453.3	475.3	497.4	399.1
30°	665.9	667.9	663.9	659.8	581.6	503.4	501.4	497.4	479.3	459.3	449.3
32.5°	824.3	808.3	752.1	695.9	647.8	599.7	561.6	523.5	539.5	553.5	499.4
35°	900.5	870.4	846.4	820.3	740.1	657.8	611.7	563.6	565.6	567.6	545.5
37.5°	974.7	930.6	900.5	870.4	774.2	677.9	627.8	577.6	593.7	607.7	583.6
40°	1000.8	976.7	958.7	940.6	838.3	734.1	675.9	615.7	623.7	629.8	621.7
42.5°	1067.0	1063.0	1052.9	1040.9	918.6	794.2	724.0	653.8	661.8	667.9	663.9
45°	1225.4	1219.4	1219.4	1217.4	1059.0	898.5	806.3	714.0	722.0	730.0	726.0
47.5°	1430.0	1420.0	1407.9	1393.9	1225.4	1054.9	922.6	788.2	788.2	788.2	794.2
50°	1644.6	1630.6	1604.5	1576.4	1405.9	1235.5	1067.0	898.5	880.5	860.4	882.5
52.5°	1867.2	1843.1	1799.0	1752.9	1602.5	1452.1	1261.5	1069.0	1014.8	958.7	986.8
55°	1987.6	1961.5	1931.4	1899.3	1777.0	1652.6	1458.1	1263.5	1179.3	1093.1	1123.1
57.5°	2085.8	2079.8	2065.8	2051.7	1957.5	1863.2	1668.7	1472.1	1357.8	1243.5	1269.5
60°	2220.2	2212.2	2218.2	2224.2	2152.0	2079.8	1895.3	1708.8	1562.4	1414.0	1405.9
62.5°	2320.5	2318.5	2348.6	2378.6	2340.5	2300.4	2093.8	1885.3	1742.9	1598.5	1558.4
65°	2228.2	2254.3	2366.6	2478.9	2472.9	2464.9	2272.3	2077.8	1937.4	1795.0	1742.9
67.5°	2033.7	2045.7	2212.2	2376.6	2448.8	2519.0	2382.7	2244.3	2134.0	2021.6	1925.4
70°	1851.2	1877.2	2023.7	2170.1	2356.6	2543.1	2434.8	2326.5	2304.4	2280.4	2156.0
72.5°	1674.7	1720.8	1857.2	1993.6	2242.3	2489.0	2424.8	2360.6	2446.8	2533.1	2384.7
75°	1071.0	1081.0	1339.7	1596.5	1911.3	2224.2	2306.4	2388.7	2579.2	2769.7	2599.3
77.5°	312.9	347.0	541.5	736.1	1097.1	1456.1	1736.9	2017.6	2388.7	2759.7	2551.1
80°	106.3	114.3	142.4	168.5	361.0	553.5	878.5	1201.4	1632.6	2063.8	1917.4
82.5°	52.1	54.2	68.2	80.2	122.3	164.5	330.9	495.4	800.2	1103.1	1129.2
85°	16.0	16.0	24.1	32.1	52.1	72.2	124.3	174.5	276.8	377.1	318.9
87.5°	4.0	4.0	6.0	8.0	12.0	16.0	16.0	16.0	12.0	8.0	10.0
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	501.4	501.4	501.4	499.4	495.4	493.4	489.4	485.4	481.3	479.3	475.3
5°	441.2	467.3	491.4	493.4	493.4	487.4	481.3	475.3	469.3	463.3	457.3
7.5°	453.3	439.2	425.2	427.2	429.2	427.2	423.2	413.2	405.1	389.1	371.0
10°	363.0	353.0	341.0	345.0	349.0	359.0	369.0	361.0	349.0	318.9	286.8
12.5°	357.0	355.0	351.0	320.9	288.8	304.9	318.9	310.9	298.8	268.8	236.7
15°	304.9	306.9	306.9	336.9	367.0	379.1	389.1	379.1	365.0	324.9	282.8
17.5°	393.1	373.0	353.0	341.0	326.9	330.9	334.9	290.8	304.9	278.8	250.7
20°	407.1	341.0	274.8	328.9	383.1	401.1	419.2	409.1	391.1	326.9	260.7
22.5°	371.0	395.1	419.2	385.1	351.0	328.9	304.9	294.8	282.8	254.7	226.6
25°	459.3	393.1	324.9	389.1	451.3	455.3	459.3	441.2	421.2	341.0	260.7
27.5°	411.1	433.2	453.3	467.3	481.3	499.4	517.4	497.4	449.3	355.0	258.7
30°	489.4	519.5	549.5	595.7	641.8	655.8	667.9	645.8	607.7	449.3	288.8
32.5°	511.4	571.6	631.8	649.8	665.9	683.9	702.0	683.9	637.8	445.2	250.7
35°	571.6	613.7	653.8	681.9	710.0	726.0	742.1	730.0	667.9	439.2	210.6
37.5°	589.6	645.8	700.0	732.0	762.1	776.2	788.2	788.2	700.0	435.2	168.5
40°	617.7	687.9	758.1	788.2	816.3	838.3	858.4	866.4	736.1	433.2	128.4
42.5°	673.9	736.1	798.2	846.4	892.5	924.6	956.7	962.7	778.2	439.2	98.3
45°	734.1	800.2	866.4	930.6	994.8	1040.9	1085.0	1081.0	828.3	455.3	80.2
47.5°	820.3	882.5	944.6	1052.9	1159.2	1203.4	1245.5	1217.4	880.5	475.3	70.2
50°	908.5	984.8	1061.0	1199.4	1335.7	1375.8	1414.0	1355.8	930.6	499.4	66.2
52.5°	1022.9	1113.1	1203.4	1361.8	1520.2	1556.3	1592.4	1474.1	968.7	515.4	62.2
55°	1157.2	1273.6	1389.9	1540.3	1688.7	1730.8	1773.0	1590.4	986.8	523.5	60.2
57.5°	1319.7	1454.1	1586.4	1724.8	1861.2	1919.4	1975.5	1704.8	994.8	525.5	56.2
60°	1478.1	1626.5	1775.0	1893.3	2011.6	2101.9	2190.1	1817.1	990.8	521.5	50.1
62.5°	1624.5	1789.0	1951.5	2061.8	2172.1	2280.4	2388.7	1907.3	964.7	503.4	40.1
65°	1777.0	1951.5	2123.9	2220.2	2316.5	2456.9	2595.3	1985.5	928.6	479.3	28.1
67.5°	1915.4	2081.8	2248.3	2356.6	2464.9	2603.3	2739.7	2005.6	876.4	449.3	20.1
70°	2031.7	2212.2	2390.7	2501.0	2611.3	2681.5	2749.7	1917.4	772.2	393.1	14.0
72.5°	2192.1	2354.6	2515.0	2571.2	2625.3	2503.0	2378.6	1598.5	579.6	296.8	12.0
75°	2336.5	2414.7	2491.0	2370.6	2250.3	1921.4	1592.4	1006.8	282.8	148.4	12.0
77.5°	2190.1	2148.0	2105.9	1736.9	1365.8	1014.8	661.8	395.1	88.2	48.1	8.0
80°	1586.4	1393.9	1199.4	830.3	459.3	306.9	152.4	88.2	22.1	14.0	6.0
82.5°	854.4	659.8	463.3	298.8	134.4	90.3	44.1	30.1	10.0	8.0	4.0
85°	308.9	244.7	178.5	138.4	98.3	58.2	16.0	10.0	6.0	6.0	4.0
87.5°	28.1	32.1	36.1	28.1	18.1	12.0	4.0	4.0	4.0	4.0	2.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4	489.4
2.5°	473.3	471.3	469.3	465.3	463.3	461.3	447.2	433.2	417.2	401.1	401.1
5°	431.2	405.1	391.1	377.1	367.0	357.0	355.0	351.0	347.0	343.0	341.0
7.5°	361.0	351.0	343.0	334.9	324.9	314.9	304.9	294.8	286.8	278.8	260.7
10°	270.8	254.7	242.7	230.6	224.6	216.6	204.6	190.5	190.5	190.5	188.5
12.5°	234.7	232.6	202.6	170.5	160.4	150.4	148.4	146.4	142.4	136.4	128.4
15°	232.6	180.5	154.4	126.4	120.3	112.3	100.3	86.2	84.2	80.2	90.3
17.5°	210.6	170.5	140.4	110.3	88.2	66.2	70.2	72.2	82.2	90.3	96.3
20°	190.5	120.3	100.3	78.2	72.2	64.2	68.2	72.2	70.2	66.2	76.2
22.5°	178.5	128.4	94.3	60.2	64.2	68.2	64.2	58.2	68.2	78.2	84.2
25°	172.5	82.2	74.2	64.2	60.2	56.2	64.2	70.2	66.2	62.2	74.2
27.5°	170.5	82.2	70.2	56.2	60.2	64.2	62.2	58.2	66.2	72.2	70.2
30°	182.5	74.2	66.2	58.2	56.2	54.2	58.2	62.2	62.2	60.2	70.2
32.5°	162.5	74.2	66.2	56.2	56.2	54.2	54.2	54.2	60.2	66.2	70.2
35°	140.4	68.2	62.2	54.2	52.1	50.1	52.1	52.1	58.2	62.2	70.2
37.5°	116.3	64.2	58.2	50.1	48.1	46.1	46.1	44.1	50.1	56.2	62.2
40°	94.3	60.2	54.2	46.1	44.1	42.1	42.1	42.1	46.1	48.1	52.1
42.5°	78.2	56.2	50.1	42.1	40.1	38.1	38.1	36.1	38.1	40.1	42.1
45°	68.2	54.2	48.1	40.1	38.1	34.1	32.1	30.1	30.1	30.1	30.1
47.5°	60.2	50.1	46.1	40.1	36.1	30.1	28.1	24.1	22.1	20.1	18.1
50°	56.2	46.1	42.1	36.1	32.1	26.1	22.1	18.1	16.0	12.0	12.0
52.5°	52.1	42.1	38.1	32.1	26.1	20.1	16.0	10.0	10.0	8.0	8.0
55°	50.1	40.1	34.1	28.1	22.1	14.0	10.0	6.0	6.0	4.0	4.0
57.5°	48.1	38.1	32.1	24.1	16.0	8.0	6.0	4.0	4.0	4.0	4.0
60°	42.1	34.1	26.1	16.0	10.0	4.0	4.0	2.0	4.0	4.0	4.0
62.5°	34.1	26.1	18.1	10.0	6.0	2.0	2.0	2.0	4.0	4.0	4.0
65°	24.1	18.1	12.0	6.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
67.5°	18.1	14.0	10.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
70°	12.0	10.0	8.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
72.5°	10.0	8.0	6.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
75°	10.0	8.0	6.0	2.0	2.0	0.0	2.0	2.0	2.0	2.0	2.0
77.5°	8.0	6.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0	4.0
80°	6.0	4.0	4.0	2.0	2.0	0.0	2.0	4.0	4.0	4.0	4.0
82.5°	4.0	4.0	4.0	2.0	2.0	0.0	4.0	6.0	6.0	4.0	4.0
85°	4.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0	6.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	4.0	6.0	6.0	6.0	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°	489.4	489.4	489.4	489.4
2.5°	399.1	399.1	397.1	397.1
5°	336.9	336.9	334.9	334.9
7.5°	242.7	238.7	232.6	234.7
10°	186.5	182.5	178.5	182.5
12.5°	120.3	122.3	122.3	116.3
15°	98.3	106.3	112.3	112.3
17.5°	102.3	102.3	100.3	100.3
20°	86.2	94.3	102.3	102.3
22.5°	88.2	84.2	80.2	80.2
25°	84.2	90.3	94.3	94.3
27.5°	68.2	70.2	72.2	72.2
30°	78.2	82.2	84.2	84.2
32.5°	74.2	78.2	80.2	82.2
35°	76.2	80.2	82.2	82.2
37.5°	68.2	70.2	72.2	72.2
40°	54.2	56.2	58.2	58.2
42.5°	42.1	42.1	40.1	42.1
45°	28.1	28.1	26.1	28.1
47.5°	16.0	16.0	16.0	16.0
50°	10.0	10.0	10.0	10.0
52.5°	6.0	6.0	6.0	6.0
55°	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	2.0	2.0
60°	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	2.0	2.0	0.0	0.0
77.5°	2.0	2.0	0.0	0.0
80°	2.0	2.0	0.0	0.0
82.5°	2.0	2.0	0.0	0.0
85°	2.0	2.0	2.0	0.0
87.5°	2.0	2.0	2.0	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)