

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: P560342

Luminaire Tested: **SDL-PA1-40-727-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560342
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-727-U-T2U-HSS
Description: Springdale
(1) 70 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2996.2 lumens
Efficiency: N/A
Efficacy: 76.0 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - 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

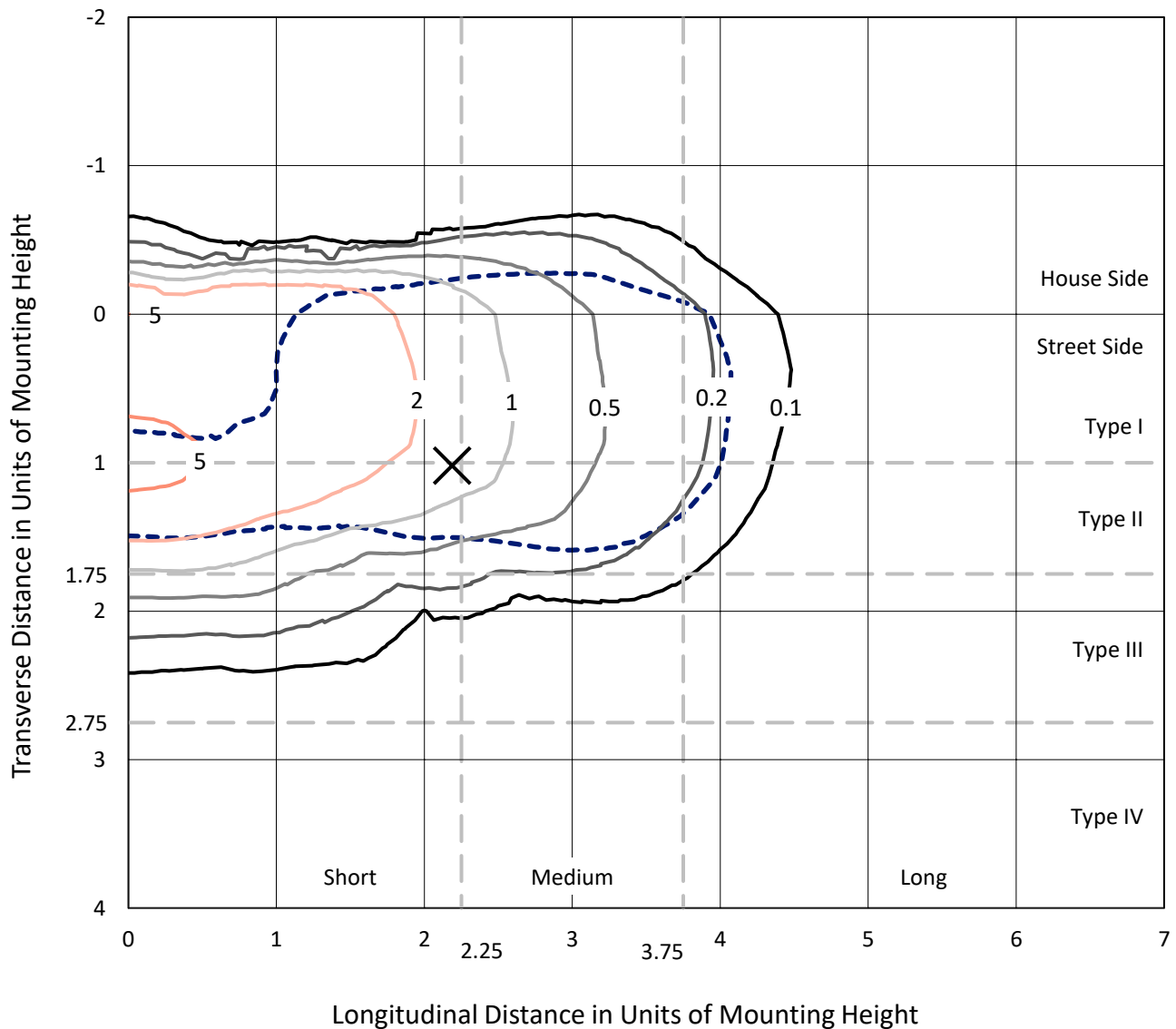


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

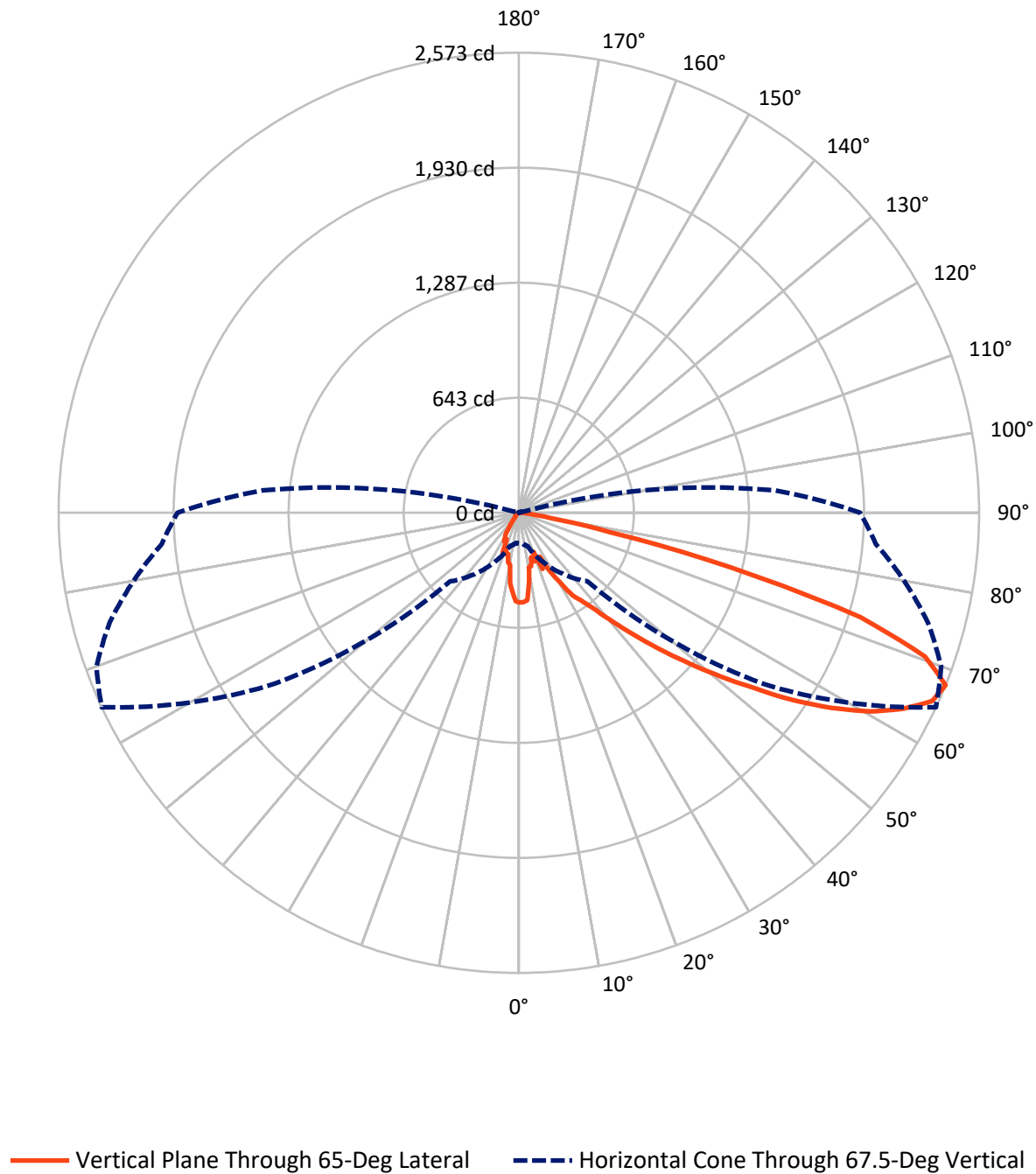


Based on 10 foot mounting height. Maximum calculated value = 6.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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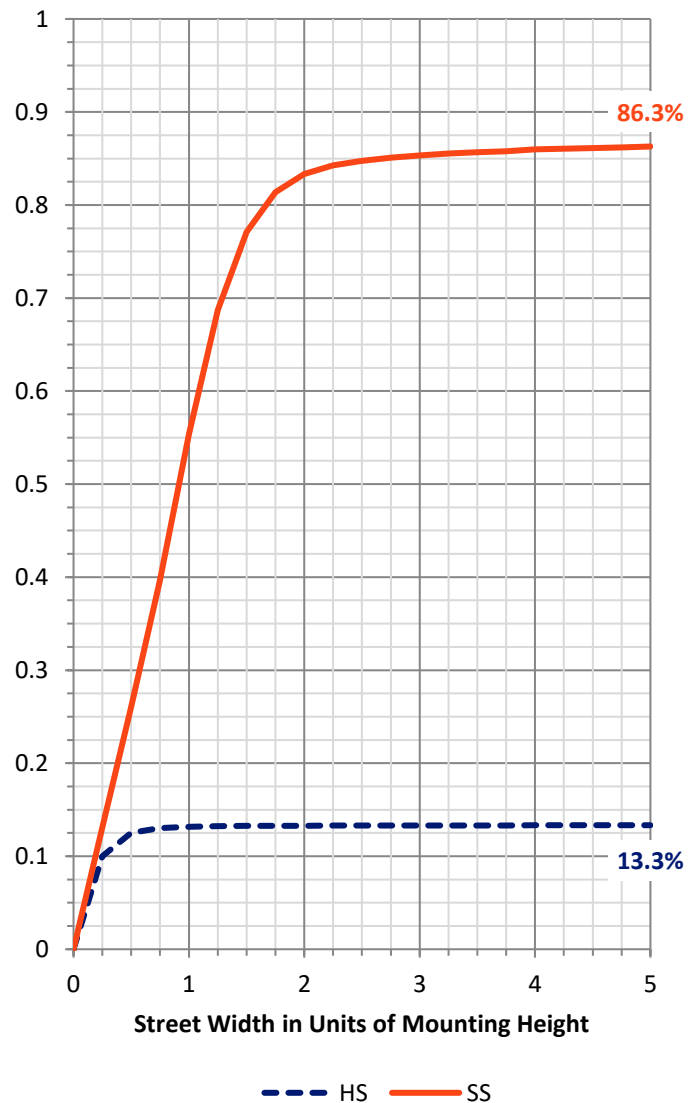
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	405.1	0.0	405.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2591.1	0.0	2591.1
	% Fixture	86.5	0.0	86.5
Total	Lumens	2996.2	0.0	2996.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	38.5	1.3
10°-20°	74.5	2.5
20°-30°	112.5	3.8
30°-40°	259.0	8.6
40°-50°	568.2	19.0
50°-60°	834.2	27.8
60°-70°	724.5	24.2
70°-80°	359.3	12.0
80°-90°	25.5	0.9
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°	2996.2	100.0
0°-180°	2996.2	100.0

Coefficient of Utilization



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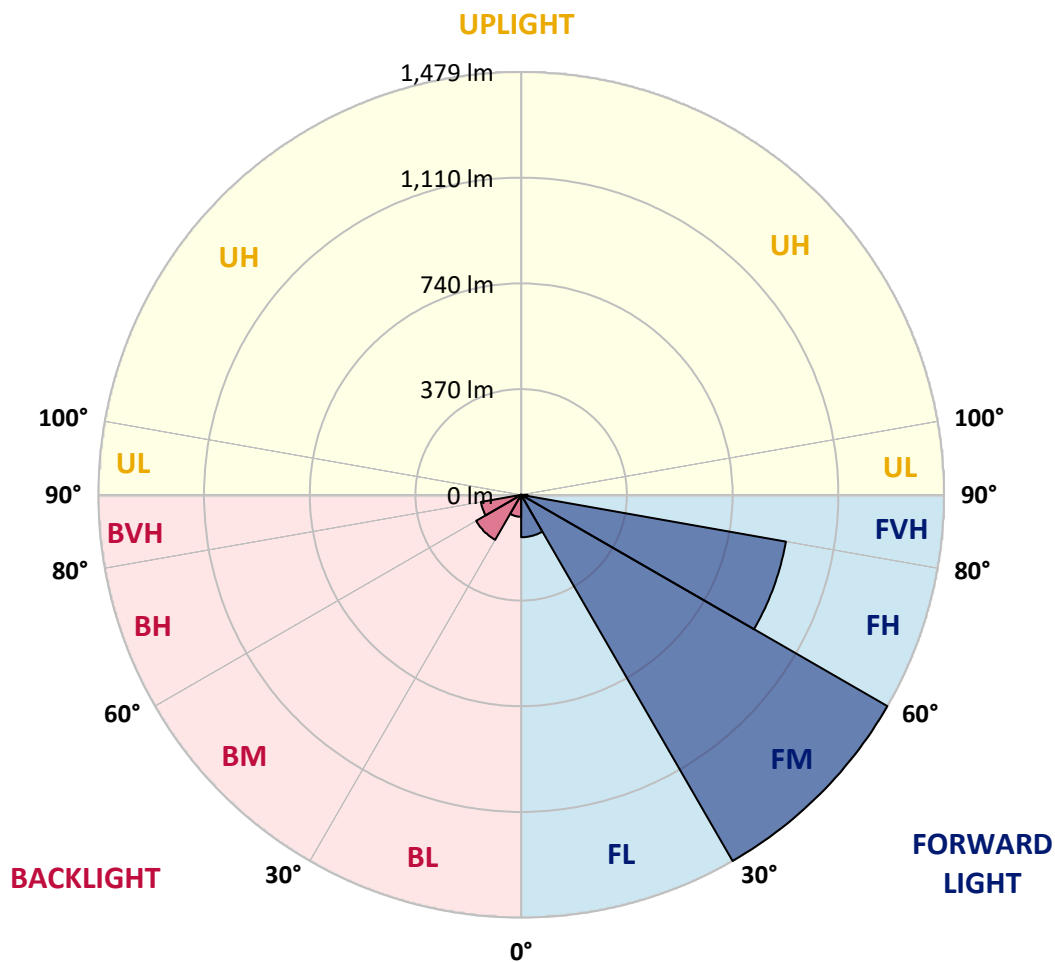
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	148.5	5.0			
FM	(30°-60°)	1479.5	49.4			
FH	(60°-80°)	940.7	31.4			G1/1800
FVH	(80°-90°)	22.4	0.7			G1/100
BL	(0°-30°)	77.0	2.6	B0/110		
BM	(30°-60°)	182.0	6.1	B0/220		
BH	(60°-80°)	143.1	4.8	B1/500		G1/500
BVH	(80°-90°)	3.1	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6
2.5°	420.0	454.8	465.4	475.9	485.0	494.1	495.6	497.1	500.1	501.6	503.1
5°	411.0	412.5	412.5	411.0	412.5	414.0	414.0	414.0	414.0	414.0	415.5
7.5°	329.4	368.7	380.8	391.3	397.4	401.9	404.9	406.4	408.0	409.5	411.0
10°	397.4	395.9	397.4	397.4	398.9	398.9	364.1	329.4	341.5	352.0	333.9
12.5°	315.8	347.5	361.1	374.7	383.8	391.3	376.2	359.6	327.9	294.6	296.1
15°	380.8	380.8	380.8	380.8	352.0	321.8	302.2	281.0	297.7	312.8	282.5
17.5°	306.7	306.7	333.9	361.1	361.1	359.6	340.0	318.8	276.5	234.2	272.0
20°	379.2	379.2	380.8	382.3	332.4	282.5	299.2	314.3	320.3	326.4	312.8
22.5°	309.7	309.7	314.3	317.3	335.4	353.6	305.2	256.9	296.1	335.4	308.2
25°	400.4	401.9	404.9	406.4	361.1	314.3	335.4	356.6	314.3	272.0	314.3
27.5°	362.6	356.6	356.6	355.1	370.2	383.8	353.6	323.3	350.5	377.7	346.0
30°	509.2	504.7	498.6	492.6	435.2	377.7	379.2	379.2	368.7	358.1	376.2
32.5°	705.6	698.1	646.7	595.3	553.0	510.7	466.9	423.1	438.2	451.8	442.7
35°	947.4	947.4	899.0	850.7	755.5	660.3	586.2	510.7	504.7	498.6	507.7
37.5°	1234.4	1204.2	1146.8	1089.4	971.5	852.2	738.9	625.5	611.9	596.8	581.7
40°	1447.5	1443.0	1399.1	1355.3	1210.3	1065.2	932.3	797.8	754.0	708.6	675.4
42.5°	1669.6	1653.0	1618.2	1582.0	1435.4	1287.3	1145.3	1001.8	941.3	880.9	822.0
45°	1829.8	1825.2	1795.0	1764.8	1645.4	1524.5	1376.5	1226.9	1187.6	1148.3	1038.0
47.5°	1929.5	1903.8	1891.7	1878.1	1775.4	1672.6	1547.2	1420.3	1414.2	1406.7	1267.7
50°	1899.3	1876.6	1879.6	1882.6	1832.8	1782.9	1687.7	1591.0	1607.6	1624.3	1509.4
52.5°	1739.1	1719.5	1746.6	1772.3	1770.8	1769.3	1734.6	1698.3	1758.7	1817.7	1739.1
55°	1418.8	1432.4	1486.8	1541.2	1577.4	1612.2	1662.0	1710.4	1825.2	1938.5	1923.4
57.5°	1112.1	1142.3	1198.2	1252.6	1311.5	1368.9	1474.7	1580.4	1773.8	1965.7	2032.2
60°	746.4	766.0	864.3	961.0	1015.4	1069.7	1184.6	1297.9	1560.8	1822.2	1996.0
62.5°	463.9	474.4	530.3	586.2	696.5	806.8	864.3	920.2	1204.2	1486.8	1808.6
65°	285.6	282.5	305.2	326.4	435.2	542.4	580.2	616.5	805.3	992.7	1492.8
67.5°	170.7	169.2	181.3	193.4	243.3	293.1	352.0	411.0	477.5	542.4	1106.0
70°	139.0	142.0	146.6	151.1	164.7	178.3	232.7	287.1	285.6	284.1	664.8
72.5°	116.3	119.4	128.4	136.0	146.6	155.6	187.4	217.6	204.0	190.4	317.3
75°	86.1	87.6	99.7	110.3	126.9	142.0	149.6	155.6	149.6	143.5	160.2
77.5°	57.4	57.4	68.0	78.6	95.2	111.8	120.9	129.9	119.4	108.8	113.3
80°	36.3	36.3	42.3	46.8	63.5	80.1	90.7	101.2	92.2	81.6	80.1
82.5°	21.2	22.7	25.7	28.7	39.3	49.9	57.4	65.0	75.5	84.6	68.0
85°	9.1	10.6	13.6	15.1	21.2	25.7	30.2	34.8	43.8	52.9	43.8
87.5°	1.5	1.5	3.0	4.5	6.0	7.6	7.6	7.6	7.6	6.0	7.6
90°	0.0	0.0	1.5	1.5	1.5	1.5	1.5	1.5	1.5	1.5	3.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6
2.5°	503.1	501.6	500.1	500.1	500.1	498.6	497.1	497.1	497.1	495.6	494.1
5°	415.5	453.3	491.1	492.6	495.6	494.1	492.6	491.1	489.5	488.0	485.0
7.5°	411.0	408.0	404.9	394.4	430.6	430.6	429.1	429.1	426.1	414.0	401.9
10°	314.3	312.8	309.7	314.3	321.8	347.5	371.7	370.2	365.6	336.9	308.2
12.5°	297.7	302.2	306.7	291.6	262.9	287.1	311.3	308.2	305.2	279.5	252.3
15°	252.3	255.3	258.4	282.5	326.4	349.0	370.2	367.2	364.1	333.9	302.2
17.5°	309.7	297.7	285.6	302.2	287.1	297.7	308.2	296.1	287.1	275.0	262.9
20°	297.7	265.9	234.2	282.5	338.5	356.6	374.7	370.2	361.1	332.4	302.2
22.5°	279.5	311.3	341.5	326.4	299.2	282.5	265.9	258.4	252.3	253.8	255.3
25°	355.1	314.3	272.0	344.5	388.3	394.4	398.9	385.3	370.2	338.5	305.2
27.5°	312.8	343.0	371.7	400.4	415.5	420.0	423.1	442.7	411.0	368.7	326.4
30°	394.4	420.0	445.7	509.2	560.6	569.6	578.7	556.0	530.3	479.0	427.6
32.5°	433.6	492.6	550.0	580.2	601.4	608.9	616.5	586.2	557.5	491.1	423.1
35°	515.2	559.0	602.9	637.6	678.4	679.9	681.4	648.2	611.9	515.2	418.5
37.5°	565.1	622.5	678.4	717.7	781.2	776.6	772.1	732.8	689.0	553.0	417.0
40°	640.6	714.7	787.2	825.0	902.0	888.4	874.8	829.5	781.2	593.8	406.4
42.5°	763.0	841.6	920.2	951.9	1036.5	1021.4	1004.8	944.3	882.4	627.0	371.7
45°	926.2	997.2	1068.2	1124.1	1190.6	1166.4	1142.3	1077.3	986.6	655.7	324.9
47.5°	1127.2	1180.0	1232.9	1343.2	1391.6	1343.2	1293.4	1214.8	1100.0	679.9	259.9
50°	1394.6	1406.7	1417.3	1554.8	1603.1	1529.1	1455.0	1353.8	1216.3	707.1	196.4
52.5°	1659.0	1636.4	1612.2	1760.2	1778.4	1680.2	1580.4	1474.7	1302.4	722.2	140.5
55°	1908.3	1876.6	1843.3	1949.1	1937.0	1807.1	1677.1	1548.7	1355.3	726.8	98.2
57.5°	2098.7	2079.1	2057.9	2106.3	2060.9	1908.3	1755.7	1627.3	1394.6	734.3	72.5
60°	2168.2	2212.0	2255.8	2249.8	2166.7	2005.0	1843.3	1707.4	1418.8	737.3	54.4
62.5°	2130.4	2272.5	2413.0	2355.6	2254.3	2083.6	1911.3	1779.9	1429.4	735.8	42.3
65°	1992.9	2266.4	2538.4	2443.2	2316.3	2145.5	1974.8	1856.9	1441.4	737.3	33.2
67.5°	1668.1	2121.4	2573.1	2512.7	2367.6	2186.3	2003.5	1908.3	1435.4	731.3	27.2
70°	1044.1	1727.0	2410.0	2456.8	2367.6	2168.2	1968.8	1893.2	1381.0	701.1	21.2
72.5°	442.7	1219.3	1996.0	2199.9	2261.9	2068.5	1875.1	1781.4	1264.7	640.6	16.6
75°	175.3	701.1	1226.9	1550.2	1740.6	1659.0	1575.9	1450.5	829.5	421.6	12.1
77.5°	117.9	320.3	522.8	761.5	908.1	939.8	971.5	828.0	330.9	170.7	9.1
80°	78.6	128.4	178.3	273.5	326.4	308.2	288.6	237.2	101.2	54.4	7.6
82.5°	49.9	66.5	83.1	93.7	96.7	69.5	42.3	34.8	12.1	9.1	4.5
85°	33.2	39.3	45.3	46.8	46.8	33.2	18.1	9.1	4.5	4.5	3.0
87.5°	9.1	10.6	10.6	10.6	7.6	6.0	4.5	3.0	3.0	3.0	3.0
90°	4.5	6.0	6.0	6.0	4.5	4.5	3.0	3.0	3.0	3.0	3.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6	501.6
2.5°	494.1	494.1	492.6	491.1	491.1	489.5	474.4	457.8	442.7	426.1	424.6
5°	465.4	444.2	424.6	404.9	401.9	397.4	397.4	395.9	395.9	394.4	394.4
7.5°	398.9	395.9	392.8	389.8	388.3	385.3	383.8	380.8	379.2	376.2	359.6
10°	302.2	294.6	294.6	293.1	296.1	299.2	297.7	294.6	314.3	333.9	332.4
12.5°	268.9	284.1	270.5	255.3	259.9	262.9	267.4	272.0	270.5	267.4	244.8
15°	270.5	237.2	226.6	214.6	220.6	225.1	185.8	145.1	137.5	129.9	120.9
17.5°	252.3	241.8	234.2	225.1	172.2	117.9	105.8	93.7	83.1	71.0	69.5
20°	255.3	207.0	193.4	178.3	137.5	96.7	74.0	51.4	45.3	39.3	45.3
22.5°	249.3	241.8	176.8	111.8	83.1	54.4	45.3	34.8	37.8	40.8	40.8
25°	234.2	163.2	126.9	90.7	63.5	34.8	36.3	36.3	33.2	28.7	31.7
27.5°	253.8	179.8	114.8	48.4	42.3	34.8	31.7	27.2	27.2	27.2	25.7
30°	293.1	157.1	98.2	39.3	33.2	27.2	25.7	24.2	22.7	19.6	21.2
32.5°	278.0	133.0	83.1	33.2	28.7	24.2	21.2	18.1	18.1	18.1	18.1
35°	252.3	84.6	57.4	28.7	24.2	19.6	18.1	15.1	15.1	15.1	15.1
37.5°	235.7	54.4	39.3	22.7	19.6	16.6	15.1	12.1	12.1	12.1	13.6
40°	222.1	37.8	28.7	19.6	16.6	12.1	10.6	9.1	10.6	10.6	10.6
42.5°	202.5	31.7	24.2	16.6	13.6	10.6	9.1	7.6	9.1	9.1	9.1
45°	176.8	28.7	21.2	13.6	12.1	9.1	7.6	6.0	7.6	7.6	7.6
47.5°	142.0	24.2	18.1	12.1	10.6	7.6	7.6	6.0	6.0	6.0	6.0
50°	110.3	22.7	16.6	10.6	9.1	6.0	6.0	4.5	6.0	6.0	6.0
52.5°	80.1	19.6	15.1	9.1	7.6	4.5	4.5	4.5	4.5	4.5	4.5
55°	57.4	16.6	12.1	7.6	6.0	4.5	4.5	3.0	4.5	4.5	4.5
57.5°	43.8	15.1	10.6	6.0	4.5	3.0	3.0	3.0	3.0	3.0	3.0
60°	34.8	13.6	10.6	6.0	4.5	3.0	3.0	1.5	3.0	3.0	3.0
62.5°	27.2	10.6	9.1	6.0	4.5	3.0	3.0	1.5	3.0	3.0	3.0
65°	21.2	9.1	7.6	4.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0
67.5°	18.1	7.6	6.0	4.5	3.0	1.5	3.0	3.0	3.0	3.0	3.0
70°	15.1	7.6	6.0	4.5	3.0	1.5	3.0	3.0	4.5	4.5	3.0
72.5°	12.1	6.0	4.5	3.0	3.0	1.5	3.0	3.0	4.5	4.5	3.0
75°	9.1	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	4.5	3.0
77.5°	7.6	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	4.5	4.5
80°	6.0	3.0	3.0	3.0	1.5	0.0	3.0	6.0	6.0	4.5	4.5
82.5°	4.5	3.0	3.0	3.0	1.5	0.0	3.0	6.0	6.0	4.5	4.5
85°	3.0	3.0	3.0	3.0	3.0	1.5	4.5	6.0	6.0	4.5	4.5
87.5°	3.0	3.0	3.0	3.0	3.0	1.5	3.0	4.5	4.5	4.5	4.5
90°	3.0	3.0	4.5	4.5	3.0	1.5	3.0	4.5	4.5	4.5	4.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	501.6	501.6	501.6	501.6
2.5°	421.6	424.6	426.1	423.1
5°	392.8	392.8	391.3	395.9
7.5°	341.5	332.4	321.8	314.3
10°	329.4	321.8	314.3	315.8
12.5°	220.6	197.9	175.3	182.8
15°	111.8	105.8	99.7	99.7
17.5°	66.5	60.4	52.9	54.4
20°	49.9	49.9	49.9	49.9
22.5°	39.3	37.8	34.8	33.2
25°	33.2	33.2	33.2	33.2
27.5°	24.2	24.2	22.7	21.2
30°	21.2	21.2	21.2	19.6
32.5°	16.6	18.1	18.1	18.1
35°	15.1	15.1	15.1	15.1
37.5°	13.6	13.6	12.1	12.1
40°	10.6	10.6	10.6	10.6
42.5°	9.1	9.1	9.1	9.1
45°	7.6	7.6	7.6	7.6
47.5°	6.0	6.0	6.0	6.0
50°	6.0	6.0	4.5	4.5
52.5°	4.5	4.5	3.0	3.0
55°	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	1.5	1.5
60°	3.0	3.0	1.5	1.5
62.5°	1.5	1.5	1.5	1.5
65°	1.5	1.5	0.0	0.0
67.5°	1.5	1.5	0.0	0.0
70°	1.5	1.5	0.0	0.0
72.5°	1.5	1.5	0.0	0.0
75°	1.5	1.5	0.0	0.0
77.5°	3.0	1.5	0.0	0.0
80°	3.0	3.0	1.5	0.0
82.5°	3.0	3.0	1.5	0.0
85°	3.0	3.0	1.5	0.0
87.5°	3.0	3.0	1.5	0.0
90°	3.0	3.0	1.5	0.0

(END OF REPORT)