

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: P560632

Luminaire Tested: **SDL-PA1-50-827-U-T3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560632
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-827-U-T3-HSS
Description: Springdale
(1) 80 CRI, 2700K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3506.4 lumens
Efficiency: N/A
Efficacy: 66.9 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): 52.4
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

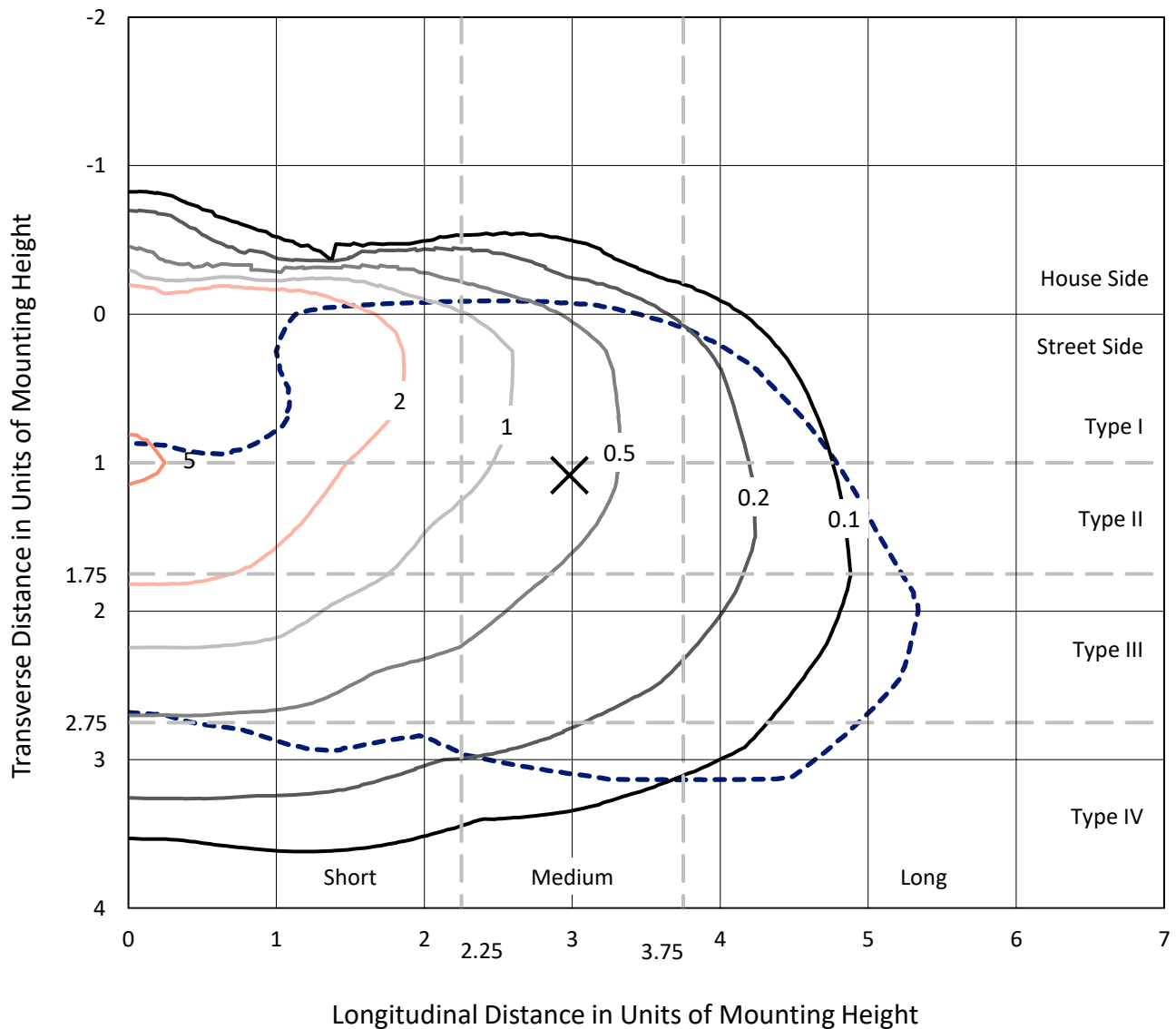


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

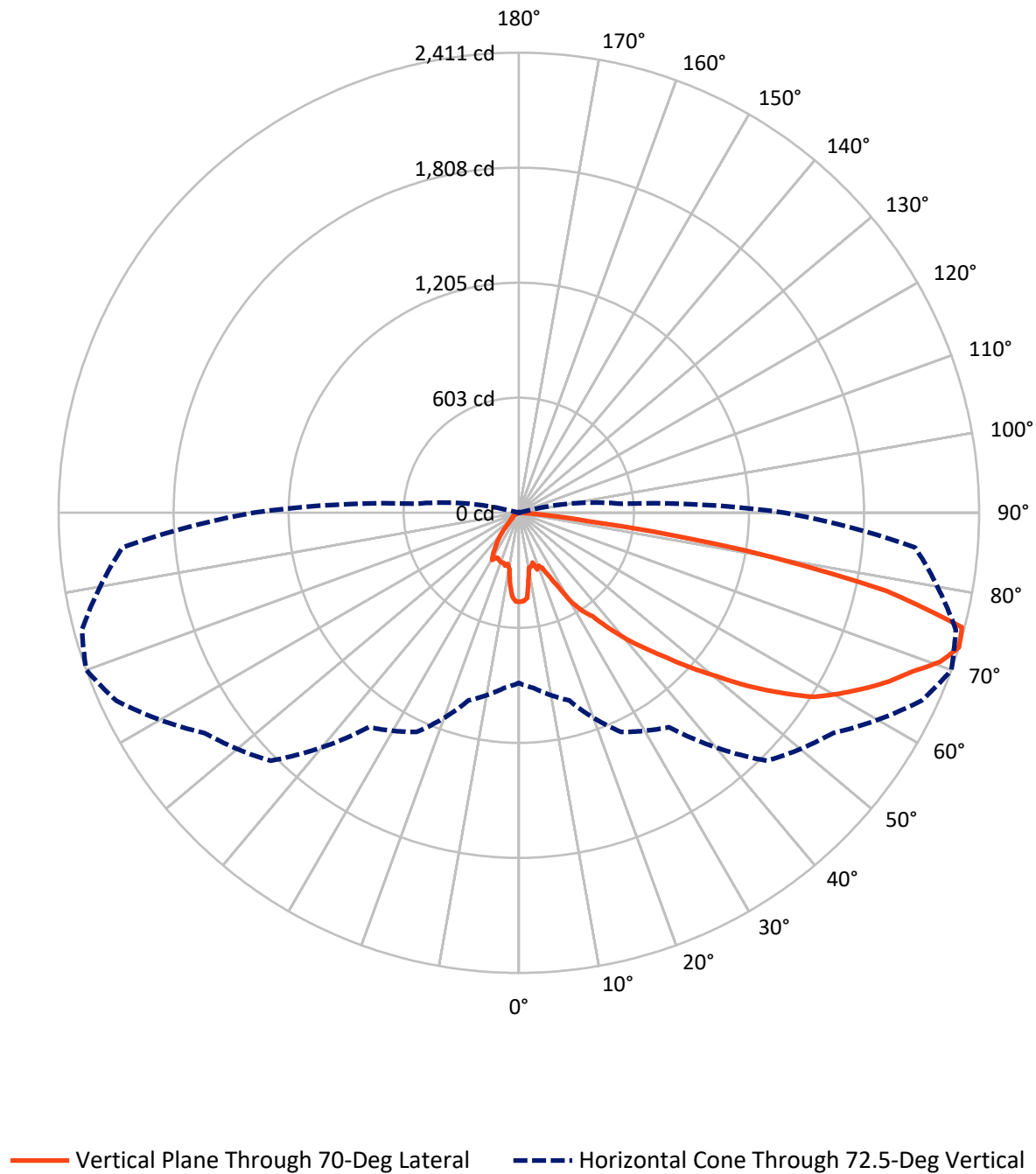


Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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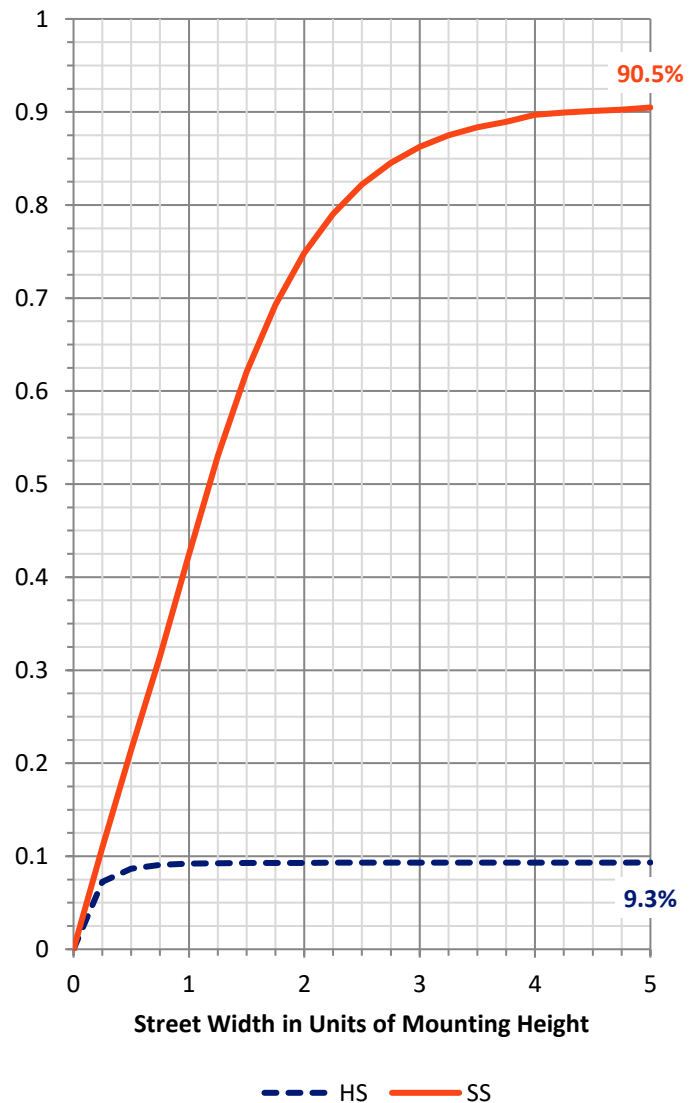
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	330.6	0.0	330.6
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	3175.8	0.0	3175.8
	% Fixture	90.6	0.0	90.6
Total	Lumens	3506.4	0.0	3506.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.9	1.0
10°-20°	71.8	2.0
20°-30°	117.0	3.3
30°-40°	249.6	7.1
40°-50°	481.0	13.7
50°-60°	795.5	22.7
60°-70°	973.7	27.8
70°-80°	713.4	20.3
80°-90°	68.5	2.0
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°	3506.4	100.0
0°-180°	3506.4	100.0

Coefficient of Utilization



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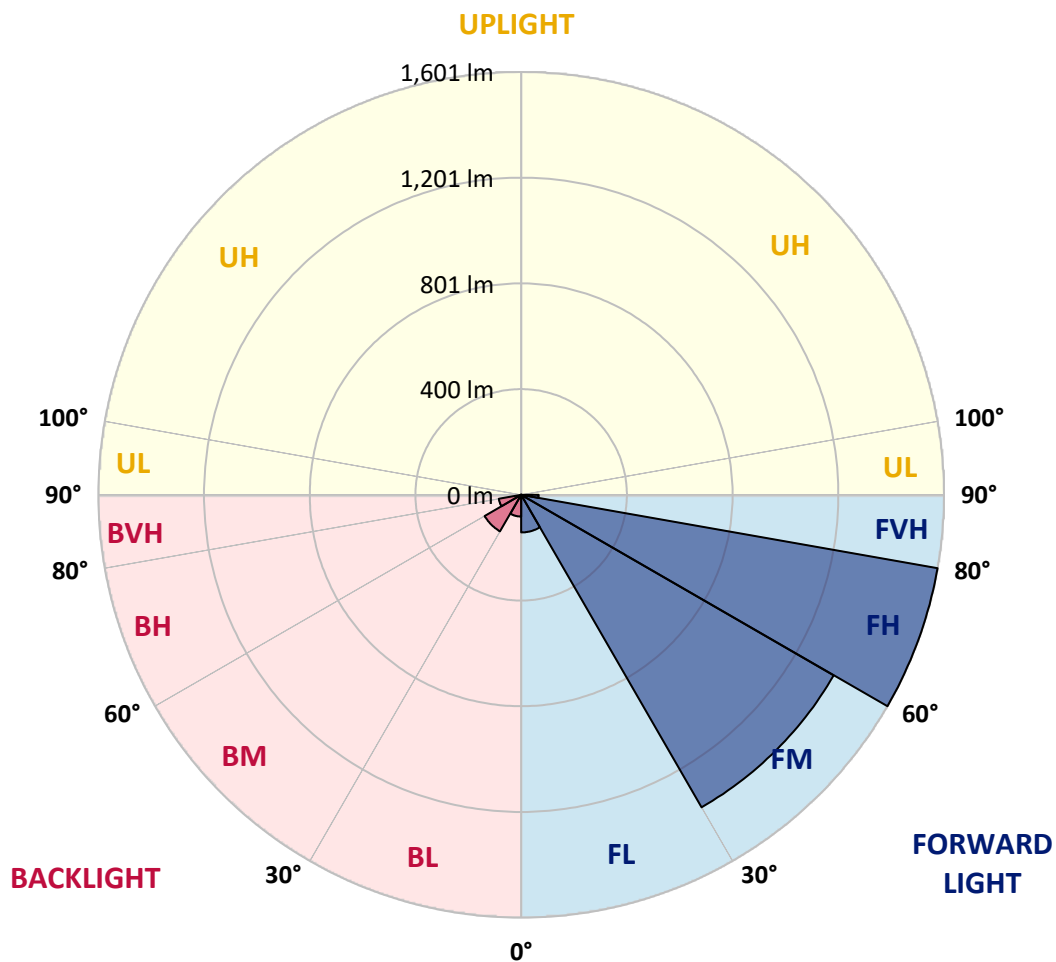
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	142.4	4.1			
FM	(30°-60°)	1366.4	39.0			
FH	(60°-80°)	1601.0	45.7			G1/1800
FVH	(80°-90°)	66.1	1.9			G1/100
BL	(0°-30°)	82.3	2.3	B0/110		
BM	(30°-60°)	159.8	4.6	B0/220		
BH	(60°-80°)	86.1	2.5	B0/110		G0/110
BVH	(80°-90°)	2.4	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°	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6
2.5°	415.0	427.0	433.9	440.8	439.1	437.4	440.8	444.2	451.1	456.3	459.7
5°	373.6	373.6	373.6	373.6	375.4	375.4	375.4	375.4	377.1	378.8	380.5
7.5°	323.7	330.6	334.0	337.5	346.1	353.0	359.9	366.8	370.2	371.9	373.6
10°	351.3	351.3	351.3	351.3	353.0	353.0	330.6	306.5	308.2	309.9	299.6
12.5°	291.0	289.3	308.2	325.4	337.5	347.8	335.8	322.0	301.3	278.9	275.5
15°	342.7	342.7	342.7	342.7	318.5	294.4	277.2	260.0	273.8	285.8	258.3
17.5°	270.3	277.2	297.9	318.5	318.5	318.5	303.0	287.6	258.3	227.3	260.0
20°	335.8	335.8	335.8	334.0	294.4	254.8	268.6	280.7	292.7	304.8	299.6
22.5°	278.9	275.5	280.7	285.8	297.9	308.2	273.8	237.6	277.2	315.1	296.2
25°	353.0	353.0	354.7	354.7	316.8	278.9	301.3	322.0	292.7	263.4	309.9
27.5°	318.5	308.2	306.5	303.0	315.1	325.4	309.9	294.4	327.2	359.9	344.4
30°	442.5	442.5	430.5	418.4	371.9	323.7	328.9	332.3	332.3	332.3	366.8
32.5°	614.7	616.4	569.9	521.7	480.4	437.4	399.5	359.9	380.5	401.2	423.6
35°	828.2	833.4	800.7	766.2	664.6	563.1	499.3	435.6	433.9	430.5	463.2
37.5°	981.5	991.8	966.0	940.1	819.6	699.1	607.8	516.6	508.0	497.6	509.7
40°	1126.1	1119.2	1103.7	1086.5	959.1	829.9	730.1	628.5	606.1	582.0	583.7
42.5°	1313.8	1293.1	1253.5	1213.9	1091.7	969.4	862.7	755.9	719.7	683.6	676.7
45°	1556.6	1522.1	1465.3	1406.8	1286.2	1165.7	1034.8	902.3	857.5	811.0	800.7
47.5°	1680.5	1656.4	1620.3	1582.4	1458.4	1334.4	1208.8	1081.3	1019.3	955.6	938.4
50°	1826.9	1795.9	1771.8	1746.0	1639.2	1530.7	1413.7	1294.8	1212.2	1129.5	1100.3
52.5°	1966.4	1914.7	1892.3	1868.2	1783.9	1697.8	1575.5	1453.3	1399.9	1344.8	1274.2
55°	2016.3	1966.4	1956.0	1945.7	1885.4	1825.2	1713.3	1601.3	1539.4	1475.6	1418.8
57.5°	1907.8	1914.7	1945.7	1976.7	1942.3	1907.8	1816.6	1723.6	1654.7	1585.8	1553.1
60°	1833.8	1849.3	1895.8	1942.3	1942.3	1942.3	1892.3	1842.4	1777.0	1711.5	1689.2
62.5°	1715.0	1733.9	1804.5	1875.1	1919.9	1964.7	1911.3	1857.9	1835.5	1811.4	1790.7
65°	1558.3	1563.5	1642.7	1721.9	1814.9	1906.1	1856.2	1804.5	1847.6	1890.6	1870.0
67.5°	1377.5	1386.1	1460.1	1532.5	1642.7	1752.9	1739.1	1723.6	1818.3	1913.0	1911.3
70°	1162.3	1177.8	1241.5	1303.5	1427.4	1549.7	1563.5	1577.2	1740.8	1902.7	1933.7
72.5°	891.9	922.9	971.1	1017.6	1143.3	1267.3	1319.0	1370.6	1604.8	1837.2	1925.1
75°	296.2	316.8	451.1	583.7	711.1	838.6	952.2	1064.1	1356.8	1647.8	1830.3
77.5°	86.1	89.5	115.4	139.5	239.3	337.5	454.6	569.9	855.8	1139.9	1442.9
80°	44.8	46.5	51.7	56.8	82.6	108.5	156.7	203.2	334.0	464.9	783.5
82.5°	31.0	31.0	36.2	39.6	49.9	60.3	86.1	111.9	122.3	132.6	315.1
85°	10.3	10.3	13.8	17.2	24.1	31.0	46.5	60.3	60.3	58.5	84.4
87.5°	1.7	1.7	3.4	5.2	8.6	10.3	8.6	6.9	5.2	3.4	6.9
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°	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6
2.5°	461.5	463.2	463.2	463.2	464.9	464.9	464.9	464.9	463.2	464.9	464.9
5°	380.5	411.5	440.8	449.4	454.6	456.3	456.3	456.3	454.6	454.6	454.6
7.5°	375.4	373.6	371.9	358.1	390.9	397.8	402.9	401.2	401.2	392.6	382.3
10°	289.3	289.3	289.3	292.7	311.7	334.0	356.4	356.4	356.4	330.6	304.8
12.5°	270.3	280.7	289.3	289.3	258.3	284.1	309.9	309.9	309.9	284.1	256.6
15°	230.7	242.8	253.1	270.3	322.0	353.0	384.0	384.0	382.3	353.0	322.0
17.5°	291.0	287.6	282.4	313.4	294.4	299.6	304.8	289.3	311.7	303.0	294.4
20°	294.4	263.4	230.7	296.2	363.3	392.6	421.9	423.6	418.4	385.7	351.3
22.5°	277.2	316.8	354.7	313.4	323.7	316.8	308.2	304.8	304.8	303.0	301.3
25°	354.7	316.8	278.9	366.8	428.7	449.4	470.1	464.9	458.0	411.5	365.0
27.5°	327.2	365.0	401.2	435.6	466.6	485.6	504.5	557.9	485.6	432.2	377.1
30°	399.5	446.0	490.7	540.7	635.4	662.9	690.5	676.7	659.5	556.2	452.9
32.5°	444.2	518.3	590.6	613.0	669.8	695.6	719.7	707.7	687.0	551.0	415.0
35°	494.2	563.1	630.2	666.4	735.2	755.9	774.8	755.9	733.5	545.8	358.1
37.5°	521.7	614.7	706.0	768.0	826.5	831.7	835.1	817.9	788.6	545.8	303.0
40°	585.4	685.3	783.5	873.0	919.5	921.2	922.9	895.4	842.0	540.7	237.6
42.5°	669.8	771.4	871.3	969.4	1031.4	1026.2	1019.3	981.5	893.7	532.1	170.5
45°	790.3	879.9	969.4	1079.6	1155.4	1141.6	1126.1	1069.3	929.8	523.4	115.4
47.5°	919.5	990.1	1058.9	1210.5	1306.9	1277.6	1246.6	1164.0	955.6	520.0	82.6
50°	1069.3	1126.1	1182.9	1348.2	1463.6	1408.5	1353.4	1258.7	966.0	516.6	65.4
52.5°	1201.9	1260.4	1317.2	1510.1	1597.9	1535.9	1473.9	1332.7	960.8	509.7	56.8
55°	1360.3	1411.9	1463.6	1665.0	1735.6	1653.0	1568.6	1386.1	935.0	494.2	51.7
57.5°	1518.7	1572.1	1623.7	1820.0	1840.7	1759.8	1677.1	1437.8	909.1	478.7	46.5
60°	1666.8	1727.0	1787.3	1925.1	1940.5	1868.2	1795.9	1487.7	867.8	454.6	41.3
62.5°	1770.1	1852.7	1935.4	2028.4	2035.2	1969.8	1902.7	1525.6	814.4	427.0	37.9
65°	1847.6	1961.2	2073.1	2130.0	2126.5	2080.0	2033.5	1558.3	771.4	401.2	31.0
67.5°	1907.8	2045.6	2183.3	2221.2	2229.8	2186.8	2143.7	1563.5	718.0	371.9	24.1
70°	1964.7	2116.2	2267.7	2340.0	2322.8	2255.6	2188.5	1523.9	645.7	332.3	17.2
72.5°	2011.1	2169.6	2328.0	2410.6	2369.3	2226.4	2083.5	1389.5	540.7	277.2	12.1
75°	2011.1	2169.6	2326.2	2396.8	2255.6	1971.5	1685.7	1034.8	316.8	163.6	10.3
77.5°	1746.0	1861.3	1976.7	1966.4	1718.4	1365.4	1010.7	595.8	106.8	58.5	8.6
80°	1102.0	1177.8	1253.5	1215.6	878.2	630.2	380.5	199.7	37.9	22.4	6.9
82.5°	497.6	489.0	480.4	370.2	172.2	115.4	56.8	34.4	10.3	6.9	3.4
85°	110.2	106.8	103.3	75.8	51.7	34.4	17.2	10.3	5.2	5.2	3.4
87.5°	10.3	12.1	12.1	8.6	8.6	6.9	3.4	3.4	3.4	3.4	3.4
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6	466.6
2.5°	464.9	464.9	464.9	463.2	463.2	463.2	451.1	437.4	428.7	418.4	413.2
5°	439.1	423.6	404.6	385.7	382.3	377.1	378.8	378.8	380.5	380.5	380.5
7.5°	373.6	365.0	368.5	371.9	371.9	371.9	371.9	370.2	368.5	366.8	349.5
10°	297.9	291.0	291.0	291.0	296.2	299.6	291.0	280.7	296.2	309.9	306.5
12.5°	273.8	291.0	268.6	244.5	247.9	249.7	249.7	247.9	241.1	234.2	210.1
15°	285.8	249.7	229.0	206.6	206.6	206.6	167.0	127.4	118.8	110.2	111.9
17.5°	273.8	253.1	229.0	203.2	153.2	101.6	96.4	89.5	89.5	89.5	91.3
20°	275.5	199.7	168.7	137.7	110.2	80.9	75.8	68.9	65.4	60.3	70.6
22.5°	270.3	237.6	161.9	86.1	75.8	65.4	60.3	53.4	62.0	70.6	70.6
25°	261.7	156.7	117.1	75.8	63.7	51.7	58.5	63.7	60.3	55.1	63.7
27.5°	263.4	148.1	101.6	55.1	58.5	60.3	56.8	51.7	56.8	60.3	56.8
30°	284.1	115.4	86.1	55.1	53.4	49.9	51.7	53.4	51.7	48.2	51.7
32.5°	253.1	91.3	72.3	51.7	49.9	48.2	46.5	44.8	46.5	46.5	46.5
35°	213.5	68.9	58.5	48.2	44.8	41.3	41.3	39.6	39.6	39.6	39.6
37.5°	180.8	58.5	51.7	43.0	39.6	36.2	34.4	31.0	31.0	29.3	29.3
40°	146.4	53.4	46.5	37.9	34.4	29.3	27.5	24.1	24.1	22.4	22.4
42.5°	110.2	48.2	41.3	32.7	29.3	24.1	20.7	17.2	17.2	15.5	15.5
45°	79.2	43.0	36.2	27.5	24.1	18.9	15.5	12.1	12.1	10.3	10.3
47.5°	62.0	39.6	32.7	24.1	18.9	13.8	12.1	8.6	8.6	8.6	8.6
50°	49.9	34.4	27.5	18.9	13.8	8.6	6.9	5.2	5.2	5.2	5.2
52.5°	44.8	31.0	24.1	15.5	12.1	6.9	5.2	3.4	5.2	5.2	5.2
55°	39.6	27.5	20.7	12.1	8.6	5.2	5.2	3.4	5.2	5.2	5.2
57.5°	36.2	24.1	17.2	8.6	6.9	3.4	3.4	1.7	3.4	3.4	3.4
60°	31.0	20.7	13.8	6.9	5.2	1.7	1.7	1.7	3.4	3.4	3.4
62.5°	27.5	17.2	12.1	5.2	3.4	1.7	1.7	1.7	3.4	3.4	3.4
65°	22.4	12.1	8.6	3.4	3.4	1.7	1.7	1.7	3.4	3.4	3.4
67.5°	17.2	8.6	6.9	3.4	3.4	1.7	1.7	1.7	3.4	3.4	1.7
70°	12.1	6.9	5.2	1.7	1.7	1.7	1.7	1.7	3.4	3.4	1.7
72.5°	8.6	5.2	3.4	1.7	1.7	0.0	1.7	1.7	3.4	3.4	3.4
75°	8.6	5.2	3.4	1.7	1.7	0.0	1.7	3.4	3.4	3.4	3.4
77.5°	6.9	3.4	3.4	1.7	1.7	0.0	1.7	3.4	3.4	3.4	3.4
80°	5.2	3.4	3.4	1.7	1.7	0.0	3.4	5.2	5.2	5.2	3.4
82.5°	3.4	3.4	3.4	1.7	1.7	0.0	3.4	5.2	5.2	5.2	3.4
85°	3.4	3.4	3.4	3.4	1.7	0.0	3.4	5.2	5.2	5.2	5.2
87.5°	3.4	3.4	3.4	3.4	3.4	1.7	5.2	6.9	6.9	5.2	5.2
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°	466.6	466.6	466.6	466.6
2.5°	406.4	406.4	404.6	409.8
5°	380.5	380.5	380.5	382.3
7.5°	330.6	318.5	306.5	308.2
10°	301.3	297.9	292.7	296.2
12.5°	186.0	175.6	163.6	158.4
15°	113.6	113.6	113.6	111.9
17.5°	93.0	86.1	77.5	79.2
20°	80.9	82.6	84.4	84.4
22.5°	70.6	67.2	63.7	63.7
25°	70.6	70.6	70.6	70.6
27.5°	53.4	53.4	51.7	51.7
30°	55.1	55.1	53.4	51.7
32.5°	44.8	44.8	44.8	44.8
35°	37.9	36.2	34.4	34.4
37.5°	29.3	27.5	25.8	25.8
40°	20.7	20.7	18.9	18.9
42.5°	15.5	15.5	13.8	13.8
45°	10.3	10.3	10.3	10.3
47.5°	6.9	6.9	6.9	6.9
50°	5.2	5.2	5.2	5.2
52.5°	5.2	5.2	3.4	3.4
55°	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	3.4	3.4
60°	3.4	3.4	1.7	1.7
62.5°	1.7	1.7	1.7	1.7
65°	1.7	1.7	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°	1.7	1.7	0.0	0.0
75°	1.7	1.7	0.0	0.0
77.5°	1.7	1.7	0.0	0.0
80°	1.7	1.7	0.0	0.0
82.5°	1.7	1.7	1.7	0.0
85°	3.4	3.4	1.7	0.0
87.5°	3.4	3.4	1.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)