

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: P560636

Luminaire Tested: **SDL-PA1-50-827-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560636
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-PA1-50-827-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 2700K, 670mA 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: 3425.7 lumens
Efficiency: N/A
Efficacy: 65.4 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): 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



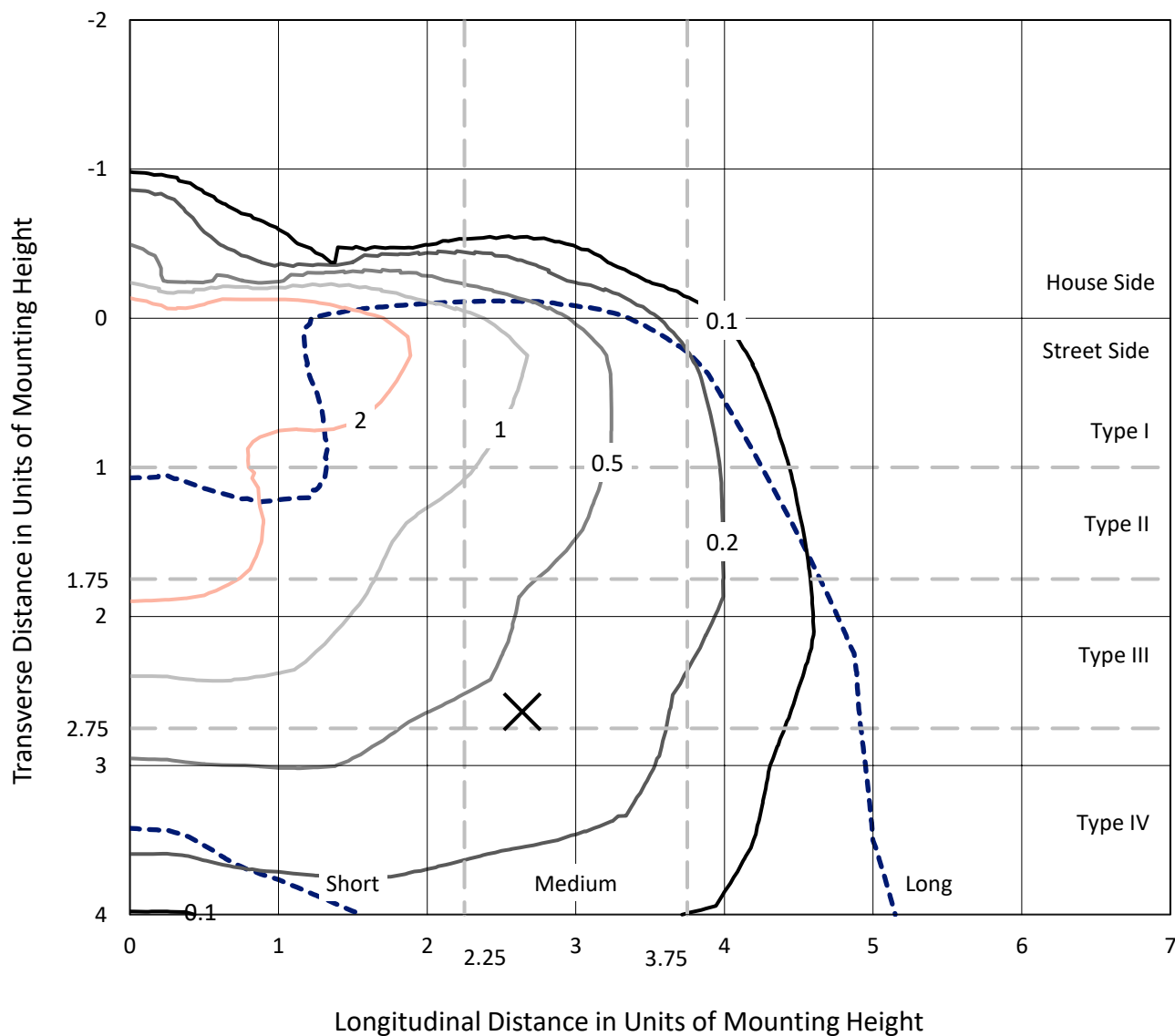
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

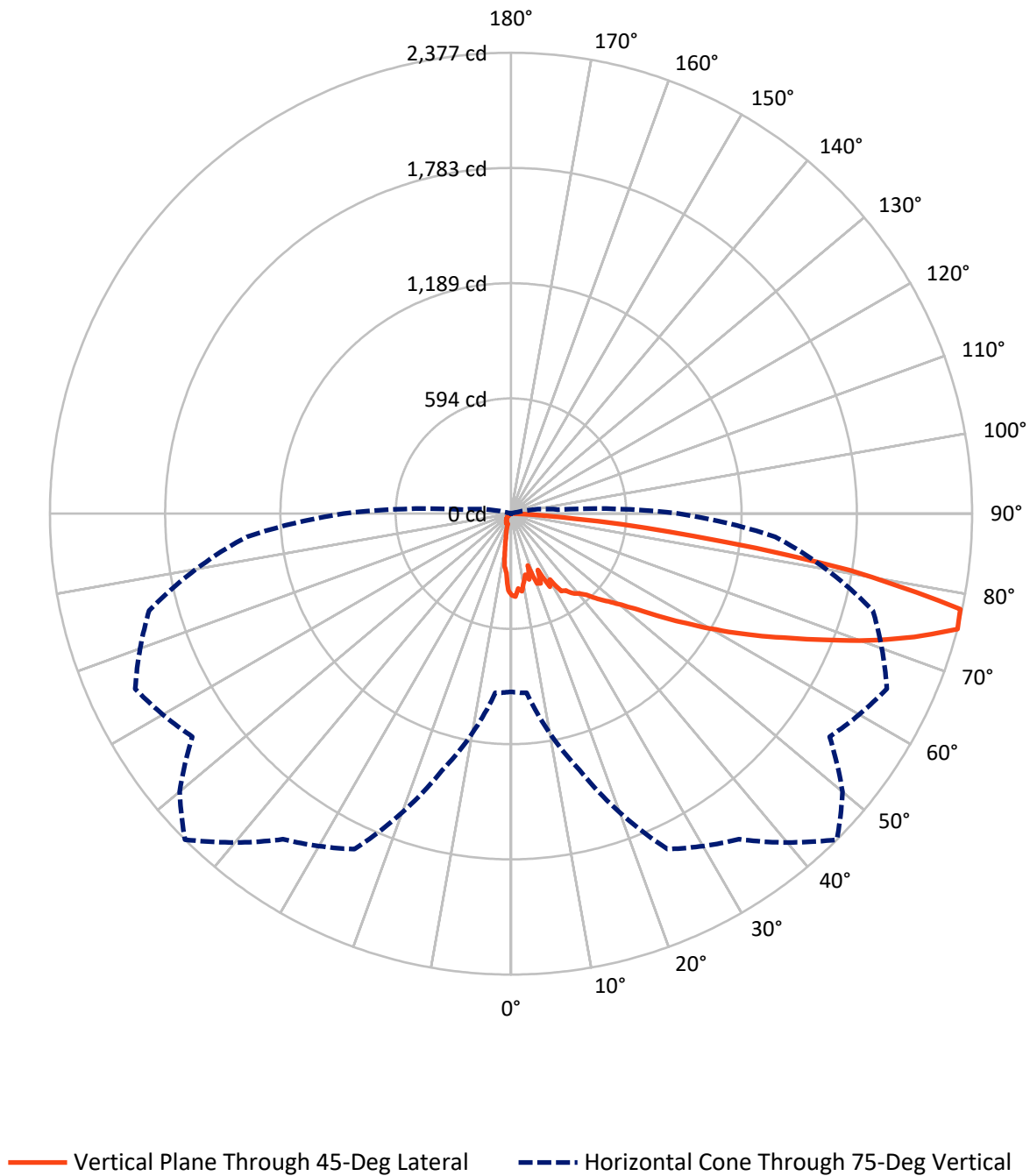


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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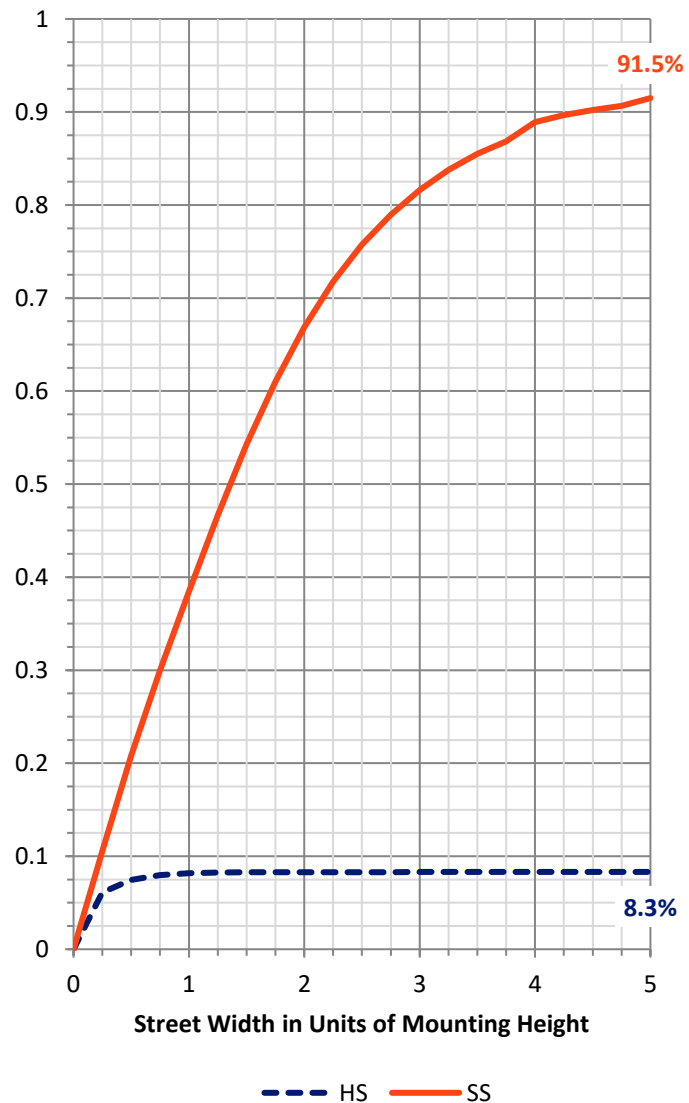
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	287.6	0.0	287.6
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	3138.2	0.0	3138.2
	% Fixture	91.6	0.0	91.6
Total	Lumens	3425.7	0.0	3425.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.6	1.0
10°-20°	71.7	2.1
20°-30°	121.3	3.5
30°-40°	223.3	6.5
40°-50°	366.4	10.7
50°-60°	652.2	19.0
60°-70°	975.9	28.5
70°-80°	868.8	25.4
80°-90°	113.5	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°	3425.7	100.0
0°-180°	3425.7	100.0

Coefficient of Utilization



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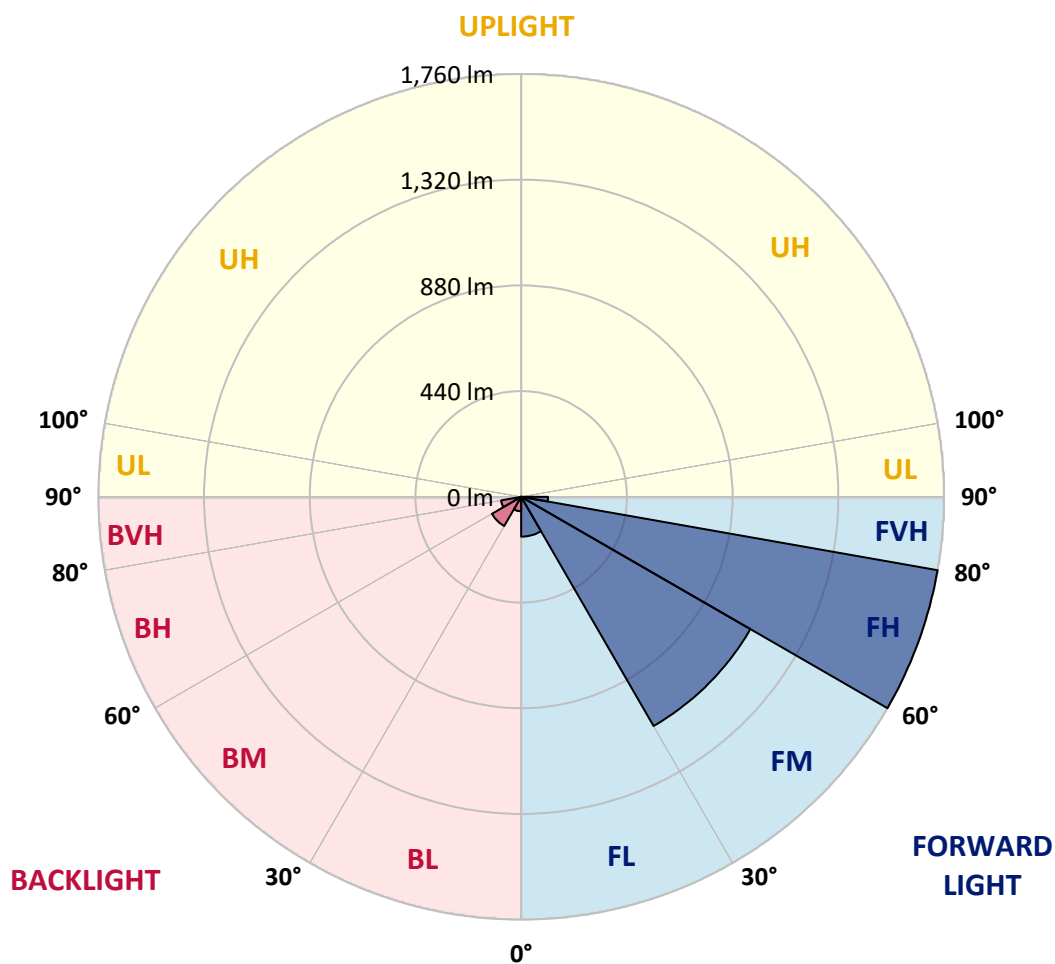
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	165.6	4.8			
FM	(30°-60°)	1101.2	32.1			
FH	(60°-80°)	1759.6	51.4			G1/1800
FVH	(80°-90°)	111.8	3.3			G2/225
BL	(0°-30°)	60.0	1.8	B0/110		
BM	(30°-60°)	140.7	4.1	B0/220		
BH	(60°-80°)	85.2	2.5	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0
2.5°	390.8	420.0	423.5	425.2	428.7	430.4	430.4	430.4	430.4	428.7	428.7
5°	413.2	411.4	409.7	408.0	406.3	402.8	399.4	394.2	390.8	387.3	383.9
7.5°	404.6	406.3	411.4	414.9	413.2	411.4	414.9	416.6	411.4	404.6	397.7
10°	471.7	468.2	464.8	461.4	456.2	451.0	409.7	368.4	365.0	359.8	356.3
12.5°	413.2	464.8	464.8	464.8	464.8	464.8	437.3	409.7	366.7	323.6	273.7
15°	516.4	514.7	507.8	501.0	454.5	406.3	380.5	354.6	354.6	352.9	332.2
17.5°	428.7	428.7	463.1	495.8	476.9	457.9	421.8	385.6	334.0	280.6	301.3
20°	542.3	542.3	535.4	528.5	449.3	370.1	373.6	377.0	380.5	383.9	318.5
22.5°	445.9	442.4	439.0	435.5	444.1	452.8	382.2	309.9	351.2	390.8	304.7
25°	544.0	549.2	545.7	540.5	470.0	399.4	414.9	428.7	375.3	321.9	373.6
27.5°	466.5	461.4	454.5	445.9	451.0	456.2	423.5	389.1	408.0	426.9	342.6
30°	571.5	573.3	569.8	566.4	499.2	432.1	430.4	426.9	411.4	394.2	385.6
32.5°	707.5	693.8	645.6	597.4	556.0	514.7	482.0	449.3	463.1	475.1	428.7
35°	773.0	747.1	726.5	704.1	635.2	564.6	525.1	483.7	485.5	487.2	468.2
37.5°	836.6	798.8	773.0	747.1	664.5	581.9	538.8	495.8	509.6	521.6	501.0
40°	859.0	838.4	822.9	807.4	719.6	630.1	580.1	528.5	535.4	540.5	533.7
42.5°	915.8	912.4	903.8	893.5	788.4	681.7	621.5	561.2	568.1	573.3	569.8
45°	1051.8	1046.7	1046.7	1044.9	908.9	771.2	692.0	612.9	619.7	626.6	623.2
47.5°	1227.4	1218.8	1208.5	1196.4	1051.8	905.5	791.9	676.5	676.5	676.5	681.7
50°	1411.6	1399.6	1377.2	1353.1	1206.8	1060.4	915.8	771.2	755.7	738.5	757.5
52.5°	1602.7	1582.1	1544.2	1504.6	1375.5	1246.4	1082.8	917.6	871.1	822.9	847.0
55°	1706.0	1683.6	1657.8	1630.3	1525.2	1418.5	1251.5	1084.5	1012.2	938.2	964.0
57.5°	1790.4	1785.2	1773.1	1761.1	1680.2	1599.3	1432.3	1263.6	1165.5	1067.3	1089.7
60°	1905.7	1898.8	1904.0	1909.1	1847.2	1785.2	1626.8	1466.7	1341.0	1213.7	1206.8
62.5°	1991.8	1990.0	2015.9	2041.7	2009.0	1974.6	1797.2	1618.2	1496.0	1372.0	1337.6
65°	1912.6	1935.0	2031.4	2127.8	2122.6	2115.7	1950.5	1783.5	1663.0	1540.7	1496.0
67.5°	1745.6	1755.9	1898.8	2040.0	2101.9	2162.2	2045.1	1926.4	1831.7	1735.3	1652.6
70°	1588.9	1611.3	1737.0	1862.7	2022.8	2182.9	2089.9	1996.9	1978.0	1957.3	1850.6
72.5°	1437.4	1477.0	1594.1	1711.2	1924.6	2136.4	2081.3	2026.2	2100.2	2174.2	2046.9
75°	919.3	927.9	1150.0	1370.3	1640.6	1909.1	1979.7	2050.3	2213.8	2377.4	2231.1
77.5°	268.6	297.8	464.8	631.8	941.7	1249.8	1490.8	1731.8	2050.3	2368.8	2189.7
80°	91.2	98.1	122.2	144.6	309.9	475.1	754.0	1031.2	1401.3	1771.4	1645.7
82.5°	44.8	46.5	58.5	68.9	105.0	141.2	284.0	425.2	686.9	946.8	969.2
85°	13.8	13.8	20.7	27.5	44.8	62.0	106.7	149.8	237.6	323.6	273.7
87.5°	3.4	3.4	5.2	6.9	10.3	13.8	13.8	13.8	10.3	6.9	8.6
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0
2.5°	430.4	430.4	430.4	428.7	425.2	423.5	420.0	416.6	413.2	411.4	408.0
5°	378.7	401.1	421.8	423.5	423.5	418.3	413.2	408.0	402.8	397.7	392.5
7.5°	389.1	377.0	365.0	366.7	368.4	366.7	363.2	354.6	347.7	334.0	318.5
10°	311.6	303.0	292.7	296.1	299.5	308.1	316.8	309.9	299.5	273.7	246.2
12.5°	306.4	304.7	301.3	275.4	247.9	261.7	273.7	266.8	256.5	230.7	203.1
15°	261.7	263.4	263.4	289.2	315.0	325.4	334.0	325.4	313.3	278.9	242.7
17.5°	337.4	320.2	303.0	292.7	280.6	284.0	287.5	249.6	261.7	239.3	215.2
20°	349.5	292.7	235.8	282.3	328.8	344.3	359.8	351.2	335.7	280.6	223.8
22.5°	318.5	339.1	359.8	330.5	301.3	282.3	261.7	253.1	242.7	218.6	194.5
25°	394.2	337.4	278.9	334.0	387.3	390.8	394.2	378.7	361.5	292.7	223.8
27.5°	352.9	371.8	389.1	401.1	413.2	428.7	444.1	426.9	385.6	304.7	222.1
30°	420.0	445.9	471.7	511.3	550.9	562.9	573.3	554.3	521.6	385.6	247.9
32.5°	439.0	490.6	542.3	557.8	571.5	587.0	602.5	587.0	547.4	382.2	215.2
35°	490.6	526.8	561.2	585.3	609.4	623.2	637.0	626.6	573.3	377.0	180.8
37.5°	506.1	554.3	600.8	628.3	654.2	666.2	676.5	676.5	600.8	373.6	144.6
40°	530.2	590.5	650.7	676.5	700.6	719.6	736.8	743.7	631.8	371.8	110.2
42.5°	578.4	631.8	685.2	726.5	766.1	793.6	821.2	826.3	667.9	377.0	84.4
45°	630.1	686.9	743.7	798.8	853.9	893.5	931.3	927.9	711.0	390.8	68.9
47.5°	704.1	757.5	810.8	903.8	995.0	1032.9	1069.0	1044.9	755.7	408.0	60.3
50°	779.8	845.3	910.7	1029.5	1146.5	1180.9	1213.7	1163.7	798.8	428.7	56.8
52.5°	878.0	955.4	1032.9	1168.9	1304.9	1335.9	1366.9	1265.3	831.5	442.4	53.4
55°	993.3	1093.1	1193.0	1322.1	1449.5	1485.6	1521.8	1365.1	847.0	449.3	51.6
57.5°	1132.7	1248.1	1361.7	1480.5	1597.5	1647.5	1695.7	1463.3	853.9	451.0	48.2
60°	1268.7	1396.1	1523.5	1625.1	1726.7	1804.1	1879.9	1559.7	850.4	447.6	43.0
62.5°	1394.4	1535.6	1675.0	1769.7	1864.4	1957.3	2050.3	1637.1	828.0	432.1	34.4
65°	1525.2	1675.0	1823.1	1905.7	1988.3	2108.8	2227.6	1704.3	797.1	411.4	24.1
67.5°	1644.0	1786.9	1929.8	2022.8	2115.7	2234.5	2351.6	1721.5	752.3	385.6	17.2
70°	1743.9	1898.8	2052.0	2146.7	2241.4	2301.6	2360.2	1645.7	662.8	337.4	12.1
72.5°	1881.6	2021.0	2158.8	2207.0	2253.4	2148.4	2041.7	1372.0	497.5	254.8	10.3
75°	2005.5	2072.7	2138.1	2034.8	1931.5	1649.2	1366.9	864.2	242.7	127.4	10.3
77.5°	1879.9	1843.7	1807.6	1490.8	1172.3	871.1	568.1	339.1	75.7	41.3	6.9
80°	1361.7	1196.4	1029.5	712.7	394.2	263.4	130.8	75.7	18.9	12.1	5.2
82.5°	733.4	566.4	397.7	256.5	115.3	77.5	37.9	25.8	8.6	6.9	3.4
85°	265.1	210.0	153.2	118.8	84.4	49.9	13.8	8.6	5.2	5.2	3.4
87.5°	24.1	27.5	31.0	24.1	15.5	10.3	3.4	3.4	3.4	3.4	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°	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0	420.0
2.5°	406.3	404.6	402.8	399.4	397.7	395.9	383.9	371.8	358.1	344.3	344.3
5°	370.1	347.7	335.7	323.6	315.0	306.4	304.7	301.3	297.8	294.4	292.7
7.5°	309.9	301.3	294.4	287.5	278.9	270.3	261.7	253.1	246.2	239.3	223.8
10°	232.4	218.6	208.3	198.0	192.8	185.9	175.6	163.5	163.5	163.5	161.8
12.5°	201.4	199.7	173.9	146.3	137.7	129.1	127.4	125.7	122.2	117.1	110.2
15°	199.7	154.9	132.6	108.5	103.3	96.4	86.1	74.0	72.3	68.9	77.5
17.5°	180.8	146.3	120.5	94.7	75.7	56.8	60.3	62.0	70.6	77.5	82.6
20°	163.5	103.3	86.1	67.1	62.0	55.1	58.5	62.0	60.3	56.8	65.4
22.5°	153.2	110.2	80.9	51.6	55.1	58.5	55.1	49.9	58.5	67.1	72.3
25°	148.0	70.6	63.7	55.1	51.6	48.2	55.1	60.3	56.8	53.4	63.7
27.5°	146.3	70.6	60.3	48.2	51.6	55.1	53.4	49.9	56.8	62.0	60.3
30°	156.7	63.7	56.8	49.9	48.2	46.5	49.9	53.4	53.4	51.6	60.3
32.5°	139.4	63.7	56.8	48.2	48.2	46.5	46.5	46.5	51.6	56.8	60.3
35°	120.5	58.5	53.4	46.5	44.8	43.0	44.8	44.8	49.9	53.4	60.3
37.5°	99.8	55.1	49.9	43.0	41.3	39.6	39.6	37.9	43.0	48.2	53.4
40°	80.9	51.6	46.5	39.6	37.9	36.2	36.2	36.2	39.6	41.3	44.8
42.5°	67.1	48.2	43.0	36.2	34.4	32.7	32.7	31.0	32.7	34.4	36.2
45°	58.5	46.5	41.3	34.4	32.7	29.3	27.5	25.8	25.8	25.8	25.8
47.5°	51.6	43.0	39.6	34.4	31.0	25.8	24.1	20.7	18.9	17.2	15.5
50°	48.2	39.6	36.2	31.0	27.5	22.4	18.9	15.5	13.8	10.3	10.3
52.5°	44.8	36.2	32.7	27.5	22.4	17.2	13.8	8.6	8.6	6.9	6.9
55°	43.0	34.4	29.3	24.1	18.9	12.1	8.6	5.2	5.2	3.4	3.4
57.5°	41.3	32.7	27.5	20.7	13.8	6.9	5.2	3.4	3.4	3.4	3.4
60°	36.2	29.3	22.4	13.8	8.6	3.4	3.4	1.7	3.4	3.4	3.4
62.5°	29.3	22.4	15.5	8.6	5.2	1.7	1.7	1.7	3.4	3.4	3.4
65°	20.7	15.5	10.3	5.2	3.4	1.7	1.7	1.7	1.7	1.7	1.7
67.5°	15.5	12.1	8.6	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
70°	10.3	8.6	6.9	3.4	3.4	1.7	1.7	1.7	1.7	1.7	1.7
72.5°	8.6	6.9	5.2	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7
75°	8.6	6.9	5.2	1.7	1.7	0.0	1.7	1.7	1.7	1.7	1.7
77.5°	6.9	5.2	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	1.7	3.4	3.4	3.4	3.4
82.5°	3.4	3.4	3.4	1.7	1.7	0.0	3.4	5.2	5.2	3.4	3.4
85°	3.4	1.7	1.7	1.7	1.7	1.7	3.4	5.2	5.2	5.2	3.4
87.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	5.2	5.2	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):

	165°	170°	175°	180°
0°	420.0	420.0	420.0	420.0
2.5°	342.6	342.6	340.9	340.9
5°	289.2	289.2	287.5	287.5
7.5°	208.3	204.9	199.7	201.4
10°	160.1	156.7	153.2	156.7
12.5°	103.3	105.0	105.0	99.8
15°	84.4	91.2	96.4	96.4
17.5°	87.8	87.8	86.1	86.1
20°	74.0	80.9	87.8	87.8
22.5°	75.7	72.3	68.9	68.9
25°	72.3	77.5	80.9	80.9
27.5°	58.5	60.3	62.0	62.0
30°	67.1	70.6	72.3	72.3
32.5°	63.7	67.1	68.9	70.6
35°	65.4	68.9	70.6	70.6
37.5°	58.5	60.3	62.0	62.0
40°	46.5	48.2	49.9	49.9
42.5°	36.2	36.2	34.4	36.2
45°	24.1	24.1	22.4	24.1
47.5°	13.8	13.8	13.8	13.8
50°	8.6	8.6	8.6	8.6
52.5°	5.2	5.2	5.2	5.2
55°	3.4	3.4	3.4	3.4
57.5°	3.4	3.4	1.7	1.7
60°	1.7	1.7	1.7	1.7
62.5°	1.7	1.7	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°	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	0.0	0.0
85°	1.7	1.7	1.7	0.0
87.5°	1.7	1.7	1.7	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)