

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: P560628

Luminaire Tested: **SDL-PA1-50-827-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560628
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-PA1-50-827-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 2700K, 670mA 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: 3417.1 lumens
Efficiency: N/A
Efficacy: 65.2 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): 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

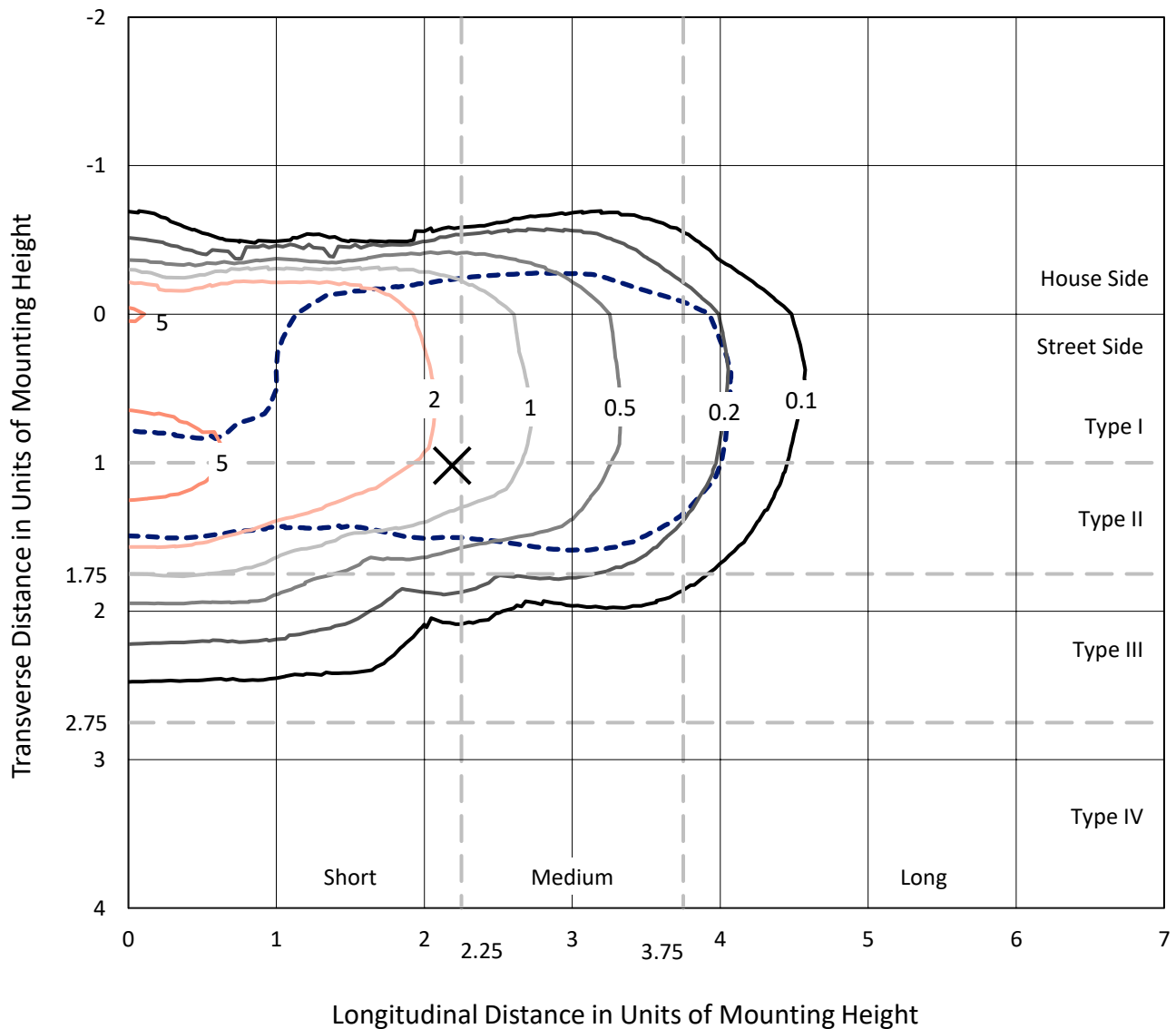


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

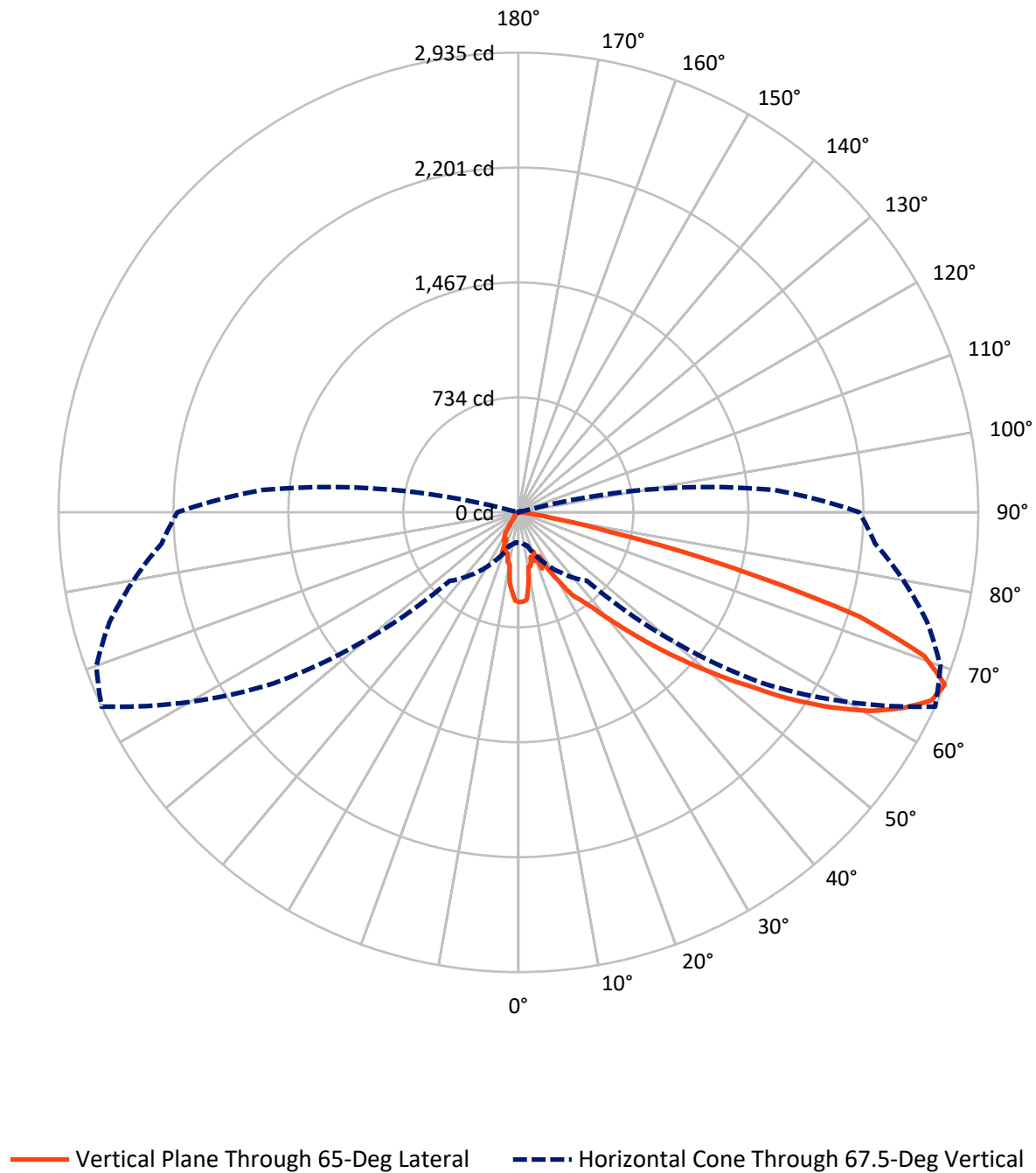


Based on 10 foot mounting height. Maximum calculated value = 7.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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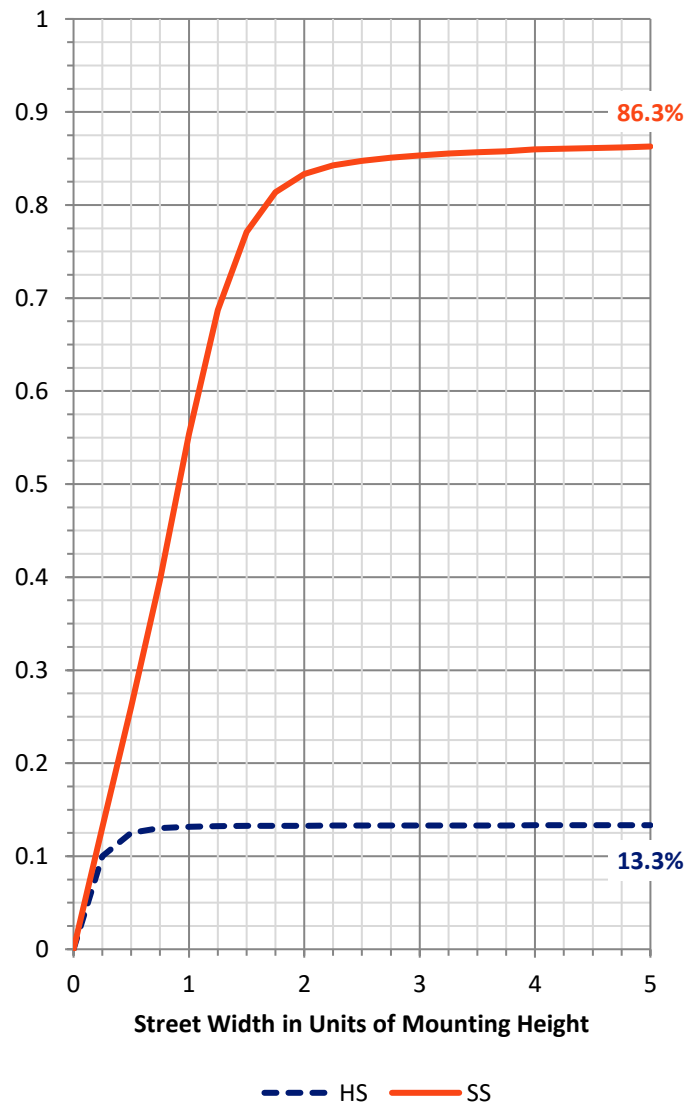
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	462.0	0.0	462.0
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2955.1	0.0	2955.1
	% Fixture	86.5	0.0	86.5
Total	Lumens	3417.1	0.0	3417.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	1.3
10°-20°	84.9	2.5
20°-30°	128.3	3.8
30°-40°	295.4	8.6
40°-50°	648.1	19.0
50°-60°	951.4	27.8
60°-70°	826.3	24.2
70°-80°	409.7	12.0
80°-90°	29.1	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°	3417.1	100.0
0°-180°	3417.1	100.0

Coefficient of Utilization



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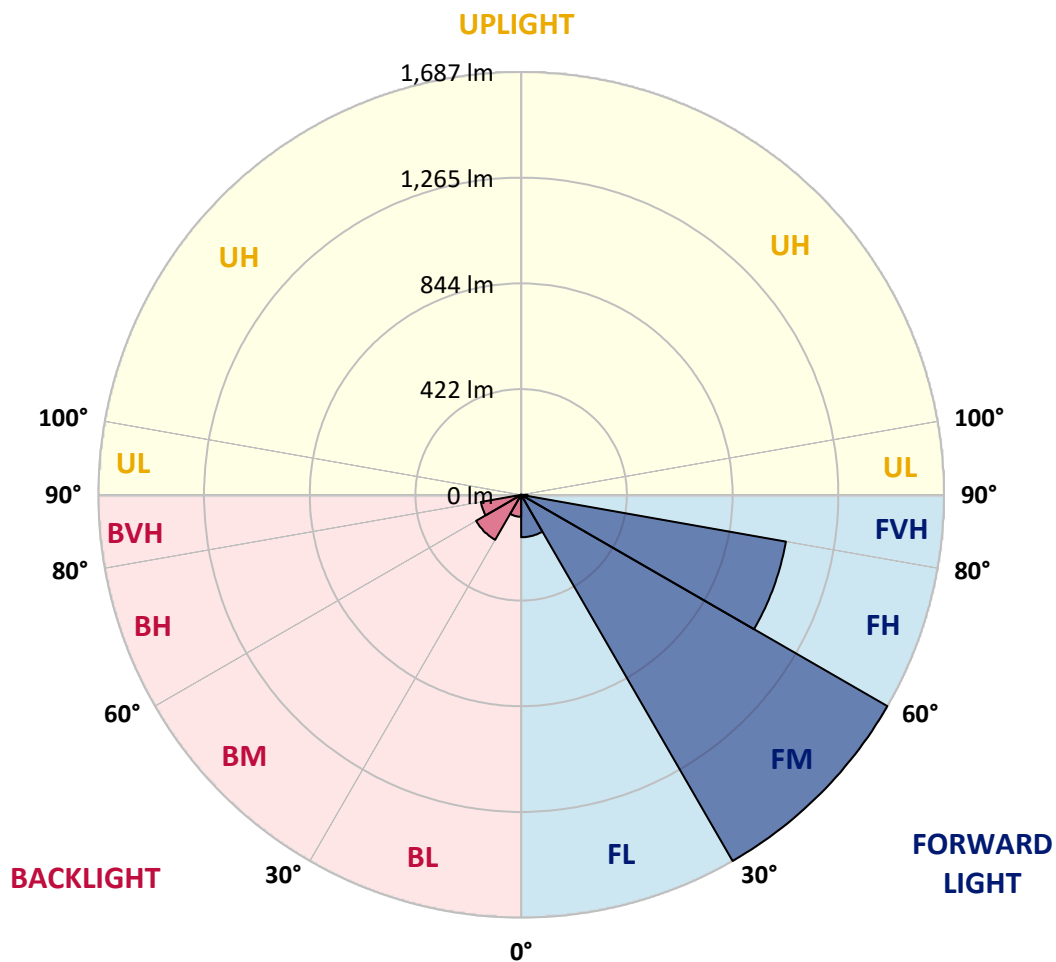
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	169.4	5.0			
FM	(30°-60°)	1687.3	49.4			
FH	(60°-80°)	1072.8	31.4			G1/1800
FVH	(80°-90°)	25.6	0.7			G1/100
BL	(0°-30°)	87.8	2.6	B0/110		
BM	(30°-60°)	207.5	6.1	B0/220		
BH	(60°-80°)	163.2	4.8	B1/500		G1/500
BVH	(80°-90°)	3.5	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1
2.5°	479.1	518.7	530.8	542.8	553.2	563.5	565.2	566.9	570.4	572.1	573.8
5°	468.7	470.4	470.4	468.7	470.4	472.2	472.2	472.2	472.2	472.2	473.9
7.5°	375.7	420.5	434.3	446.3	453.2	458.4	461.8	463.5	465.3	467.0	468.7
10°	453.2	451.5	453.2	453.2	454.9	454.9	415.3	375.7	389.4	401.5	380.8
12.5°	360.2	396.3	411.8	427.4	437.7	446.3	429.1	410.1	373.9	336.0	337.8
15°	434.3	434.3	434.3	434.3	401.5	367.0	344.6	320.5	339.5	356.7	322.2
17.5°	349.8	349.8	380.8	411.8	411.8	410.1	387.7	363.6	315.3	267.1	310.2
20°	432.5	432.5	434.3	436.0	379.1	322.2	341.2	358.4	365.3	372.2	356.7
22.5°	353.3	353.3	358.4	361.9	382.6	403.2	348.1	292.9	337.8	382.6	351.5
25°	456.7	458.4	461.8	463.5	411.8	358.4	382.6	406.7	358.4	310.2	358.4
27.5°	413.6	406.7	406.7	405.0	422.2	437.7	403.2	368.8	399.8	430.8	394.6
30°	580.7	575.6	568.7	561.8	496.3	430.8	432.5	432.5	420.5	408.4	429.1
32.5°	804.7	796.1	737.5	678.9	630.7	582.4	532.5	482.5	499.7	515.2	504.9
35°	1080.5	1080.5	1025.3	970.2	861.6	753.0	668.6	582.4	575.6	568.7	579.0
37.5°	1407.9	1373.4	1307.9	1242.4	1108.0	971.9	842.7	713.4	697.9	680.7	663.4
40°	1650.8	1645.7	1595.7	1545.7	1380.3	1214.9	1063.2	909.9	859.9	808.2	770.3
42.5°	1904.2	1885.2	1845.6	1804.2	1637.1	1468.2	1306.2	1142.5	1073.6	1004.6	937.4
45°	2086.8	2081.6	2047.2	2012.7	1876.6	1738.7	1569.9	1399.3	1354.4	1309.6	1183.8
47.5°	2200.5	2171.3	2157.5	2142.0	2024.8	1907.6	1764.6	1619.8	1612.9	1604.3	1445.8
50°	2166.1	2140.2	2143.7	2147.1	2090.3	2033.4	1924.8	1814.5	1833.5	1852.5	1721.5
52.5°	1983.4	1961.0	1992.0	2021.3	2019.6	2017.9	1978.3	1936.9	2005.8	2073.0	1983.4
55°	1618.1	1633.6	1695.6	1757.7	1799.0	1838.7	1895.5	1950.7	2081.6	2210.9	2193.7
57.5°	1268.3	1302.8	1366.5	1428.5	1495.8	1561.2	1681.9	1802.5	2023.1	2241.9	2317.7
60°	851.3	873.7	985.7	1096.0	1158.0	1220.0	1351.0	1480.2	1780.1	2078.2	2276.4
62.5°	529.0	541.1	604.8	668.6	794.4	920.2	985.7	1049.4	1373.4	1695.6	2062.7
65°	325.7	322.2	348.1	372.2	496.3	618.6	661.7	703.1	918.5	1132.2	1702.5
67.5°	194.7	193.0	206.8	220.6	277.4	334.3	401.5	468.7	544.5	618.6	1261.4
70°	158.5	162.0	167.2	172.3	187.8	203.3	265.4	327.4	325.7	324.0	758.2
72.5°	132.7	136.1	146.5	155.1	167.2	177.5	213.7	248.1	232.6	217.1	361.9
75°	98.2	99.9	113.7	125.8	144.8	162.0	170.6	177.5	170.6	163.7	182.7
77.5°	65.5	65.5	77.5	89.6	108.6	127.5	137.9	148.2	136.1	124.1	129.2
80°	41.4	41.4	48.3	53.4	72.4	91.3	103.4	115.5	105.1	93.1	91.3
82.5°	24.1	25.8	29.3	32.7	44.8	56.9	65.5	74.1	86.2	96.5	77.5
85°	10.3	12.1	15.5	17.2	24.1	29.3	34.5	39.6	50.0	60.3	50.0
87.5°	1.7	1.7	3.4	5.2	6.9	8.6	8.6	8.6	8.6	6.9	8.6
90°	0.0	0.0	1.7	1.7	1.7	1.7	1.7	1.7	1.7	1.7	3.4

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1
2.5°	573.8	572.1	570.4	570.4	570.4	568.7	566.9	566.9	566.9	565.2	563.5
5°	473.9	517.0	560.0	561.8	565.2	563.5	561.8	560.0	558.3	556.6	553.2
7.5°	468.7	465.3	461.8	449.8	491.1	491.1	489.4	489.4	485.9	472.2	458.4
10°	358.4	356.7	353.3	358.4	367.0	396.3	423.9	422.2	417.0	384.3	351.5
12.5°	339.5	344.6	349.8	332.6	299.8	327.4	355.0	351.5	348.1	318.8	287.8
15°	287.8	291.2	294.7	322.2	372.2	398.1	422.2	418.7	415.3	380.8	344.6
17.5°	353.3	339.5	325.7	344.6	327.4	339.5	351.5	337.8	327.4	313.6	299.8
20°	339.5	303.3	267.1	322.2	386.0	406.7	427.4	422.2	411.8	379.1	344.6
22.5°	318.8	355.0	389.4	372.2	341.2	322.2	303.3	294.7	287.8	289.5	291.2
25°	405.0	358.4	310.2	392.9	442.9	449.8	454.9	439.4	422.2	386.0	348.1
27.5°	356.7	391.2	423.9	456.7	473.9	479.1	482.5	504.9	468.7	420.5	372.2
30°	449.8	479.1	508.3	580.7	639.3	649.7	660.0	634.1	604.8	546.3	487.7
32.5°	494.6	561.8	627.3	661.7	685.8	694.5	703.1	668.6	635.9	560.0	482.5
35°	587.6	637.6	687.6	727.2	773.7	775.4	777.2	739.3	697.9	587.6	477.3
37.5°	644.5	710.0	773.7	818.5	890.9	885.7	880.6	835.8	785.8	630.7	475.6
40°	730.6	815.1	897.8	940.9	1028.8	1013.3	997.7	946.0	890.9	677.2	463.5
42.5°	870.2	959.8	1049.4	1085.6	1182.1	1164.9	1145.9	1077.0	1006.4	715.1	423.9
45°	1056.3	1137.3	1218.3	1282.1	1357.9	1330.3	1302.8	1228.7	1125.3	747.9	370.5
47.5°	1285.5	1345.8	1406.1	1531.9	1587.1	1531.9	1475.1	1385.5	1254.5	775.4	296.4
50°	1590.5	1604.3	1616.4	1773.2	1828.3	1743.9	1659.5	1544.0	1387.2	806.5	224.0
52.5°	1892.1	1866.2	1838.7	2007.5	2028.2	1916.2	1802.5	1681.9	1485.4	823.7	160.3
55°	2176.4	2140.2	2102.3	2222.9	2209.2	2061.0	1912.8	1766.3	1545.7	828.9	112.0
57.5°	2393.5	2371.1	2347.0	2402.2	2350.5	2176.4	2002.4	1855.9	1590.5	837.5	82.7
60°	2472.8	2522.8	2572.8	2565.9	2471.1	2286.7	2102.3	1947.2	1618.1	840.9	62.0
62.5°	2429.7	2591.7	2752.0	2686.5	2571.0	2376.3	2179.9	2029.9	1630.2	839.2	48.3
65°	2272.9	2584.8	2895.0	2786.4	2641.7	2447.0	2252.2	2117.8	1643.9	840.9	37.9
67.5°	1902.4	2419.4	2934.6	2865.7	2700.3	2493.5	2285.0	2176.4	1637.1	834.0	31.0
70°	1190.7	1969.6	2748.5	2802.0	2700.3	2472.8	2245.4	2159.2	1575.0	799.6	24.1
72.5°	504.9	1390.6	2276.4	2509.0	2579.7	2359.1	2138.5	2031.7	1442.3	730.6	19.0
75°	199.9	799.6	1399.3	1768.0	1985.1	1892.1	1797.3	1654.3	946.0	480.8	13.8
77.5°	134.4	365.3	596.2	868.5	1035.7	1071.8	1108.0	944.3	377.4	194.7	10.3
80°	89.6	146.5	203.3	311.9	372.2	351.5	329.1	270.5	115.5	62.0	8.6
82.5°	56.9	75.8	94.8	106.8	110.3	79.3	48.3	39.6	13.8	10.3	5.2
85°	37.9	44.8	51.7	53.4	53.4	37.9	20.7	10.3	5.2	5.2	3.4
87.5°	10.3	12.1	12.1	12.1	8.6	6.9	5.2	3.4	3.4	3.4	3.4
90°	5.2	6.9	6.9	6.9	5.2	5.2	3.4	3.4	3.4	3.4	3.4

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1	572.1
2.5°	563.5	563.5	561.8	560.0	560.0	558.3	541.1	522.1	504.9	485.9	484.2
5°	530.8	506.6	484.2	461.8	458.4	453.2	453.2	451.5	451.5	449.8	449.8
7.5°	454.9	451.5	448.0	444.6	442.9	439.4	437.7	434.3	432.5	429.1	410.1
10°	344.6	336.0	336.0	334.3	337.8	341.2	339.5	336.0	358.4	380.8	379.1
12.5°	306.7	324.0	308.5	291.2	296.4	299.8	305.0	310.2	308.5	305.0	279.2
15°	308.5	270.5	258.5	244.7	251.6	256.8	212.0	165.4	156.8	148.2	137.9
17.5°	287.8	275.7	267.1	256.8	196.4	134.4	120.6	106.8	94.8	81.0	79.3
20°	291.2	236.1	220.6	203.3	156.8	110.3	84.4	58.6	51.7	44.8	51.7
22.5°	284.3	275.7	201.6	127.5	94.8	62.0	51.7	39.6	43.1	46.5	46.5
25°	267.1	186.1	144.8	103.4	72.4	39.6	41.4	41.4	37.9	32.7	36.2
27.5°	289.5	205.1	131.0	55.1	48.3	39.6	36.2	31.0	31.0	31.0	29.3
30°	334.3	179.2	112.0	44.8	37.9	31.0	29.3	27.6	25.8	22.4	24.1
32.5°	317.1	151.6	94.8	37.9	32.7	27.6	24.1	20.7	20.7	20.7	20.7
35°	287.8	96.5	65.5	32.7	27.6	22.4	20.7	17.2	17.2	17.2	17.2
37.5°	268.8	62.0	44.8	25.8	22.4	19.0	17.2	13.8	13.8	13.8	15.5
40°	253.3	43.1	32.7	22.4	19.0	13.8	12.1	10.3	12.1	12.1	12.1
42.5°	230.9	36.2	27.6	19.0	15.5	12.1	10.3	8.6	10.3	10.3	10.3
45°	201.6	32.7	24.1	15.5	13.8	10.3	8.6	6.9	8.6	8.6	8.6
47.5°	162.0	27.6	20.7	13.8	12.1	8.6	8.6	6.9	6.9	6.9	6.9
50°	125.8	25.8	19.0	12.1	10.3	6.9	6.9	5.2	6.9	6.9	6.9
52.5°	91.3	22.4	17.2	10.3	8.6	5.2	5.2	5.2	5.2	5.2	5.2
55°	65.5	19.0	13.8	8.6	6.9	5.2	5.2	3.4	5.2	5.2	5.2
57.5°	50.0	17.2	12.1	6.9	5.2	3.4	3.4	3.4	3.4	3.4	3.4
60°	39.6	15.5	12.1	6.9	5.2	3.4	3.4	1.7	3.4	3.4	3.4
62.5°	31.0	12.1	10.3	6.9	5.2	3.4	3.4	1.7	3.4	3.4	3.4
65°	24.1	10.3	8.6	5.2	3.4	1.7	1.7	1.7	3.4	3.4	3.4
67.5°	20.7	8.6	6.9	5.2	3.4	1.7	3.4	3.4	3.4	3.4	3.4
70°	17.2	8.6	6.9	5.2	3.4	1.7	3.4	3.4	5.2	5.2	3.4
72.5°	13.8	6.9	5.2	3.4	3.4	1.7	3.4	3.4	5.2	5.2	3.4
75°	10.3	5.2	5.2	3.4	3.4	1.7	3.4	5.2	5.2	5.2	3.4
77.5°	8.6	5.2	5.2	3.4	3.4	1.7	3.4	5.2	5.2	5.2	5.2
80°	6.9	3.4	3.4	3.4	1.7	0.0	3.4	6.9	6.9	5.2	5.2
82.5°	5.2	3.4	3.4	3.4	1.7	0.0	3.4	6.9	6.9	5.2	5.2
85°	3.4	3.4	3.4	3.4	3.4	1.7	5.2	6.9	6.9	5.2	5.2
87.5°	3.4	3.4	3.4	3.4	3.4	1.7	3.4	5.2	5.2	5.2	5.2
90°	3.4	3.4	5.2	5.2	3.4	1.7	3.4	5.2	5.2	5.2	5.2

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	572.1	572.1	572.1	572.1
2.5°	480.8	484.2	485.9	482.5
5°	448.0	448.0	446.3	451.5
7.5°	389.4	379.1	367.0	358.4
10°	375.7	367.0	358.4	360.2
12.5°	251.6	225.7	199.9	208.5
15°	127.5	120.6	113.7	113.7
17.5°	75.8	68.9	60.3	62.0
20°	56.9	56.9	56.9	56.9
22.5°	44.8	43.1	39.6	37.9
25°	37.9	37.9	37.9	37.9
27.5°	27.6	27.6	25.8	24.1
30°	24.1	24.1	24.1	22.4
32.5°	19.0	20.7	20.7	20.7
35°	17.2	17.2	17.2	17.2
37.5°	15.5	15.5	13.8	13.8
40°	12.1	12.1	12.1	12.1
42.5°	10.3	10.3	10.3	10.3
45°	8.6	8.6	8.6	8.6
47.5°	6.9	6.9	6.9	6.9
50°	6.9	6.9	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	1.7	1.7
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°	1.7	1.7	0.0	0.0
70°	1.7	1.7	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°	3.4	1.7	0.0	0.0
80°	3.4	3.4	1.7	0.0
82.5°	3.4	3.4	1.7	0.0
85°	3.4	3.4	1.7	0.0
87.5°	3.4	3.4	1.7	0.0
90°	3.4	3.4	1.7	0.0

(END OF REPORT)