

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: P560474

Luminaire Tested: **SDL-PA1-40-830-U-T2U-HSS**

Issue Date: 7/26/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P560474  
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-PA1-40-830-U-T2U-HSS  
Description: Springdale  
(1) 80 CRI, 3000K, 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: 2846.9 lumens  
Efficiency: N/A  
Efficacy: 72.3 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

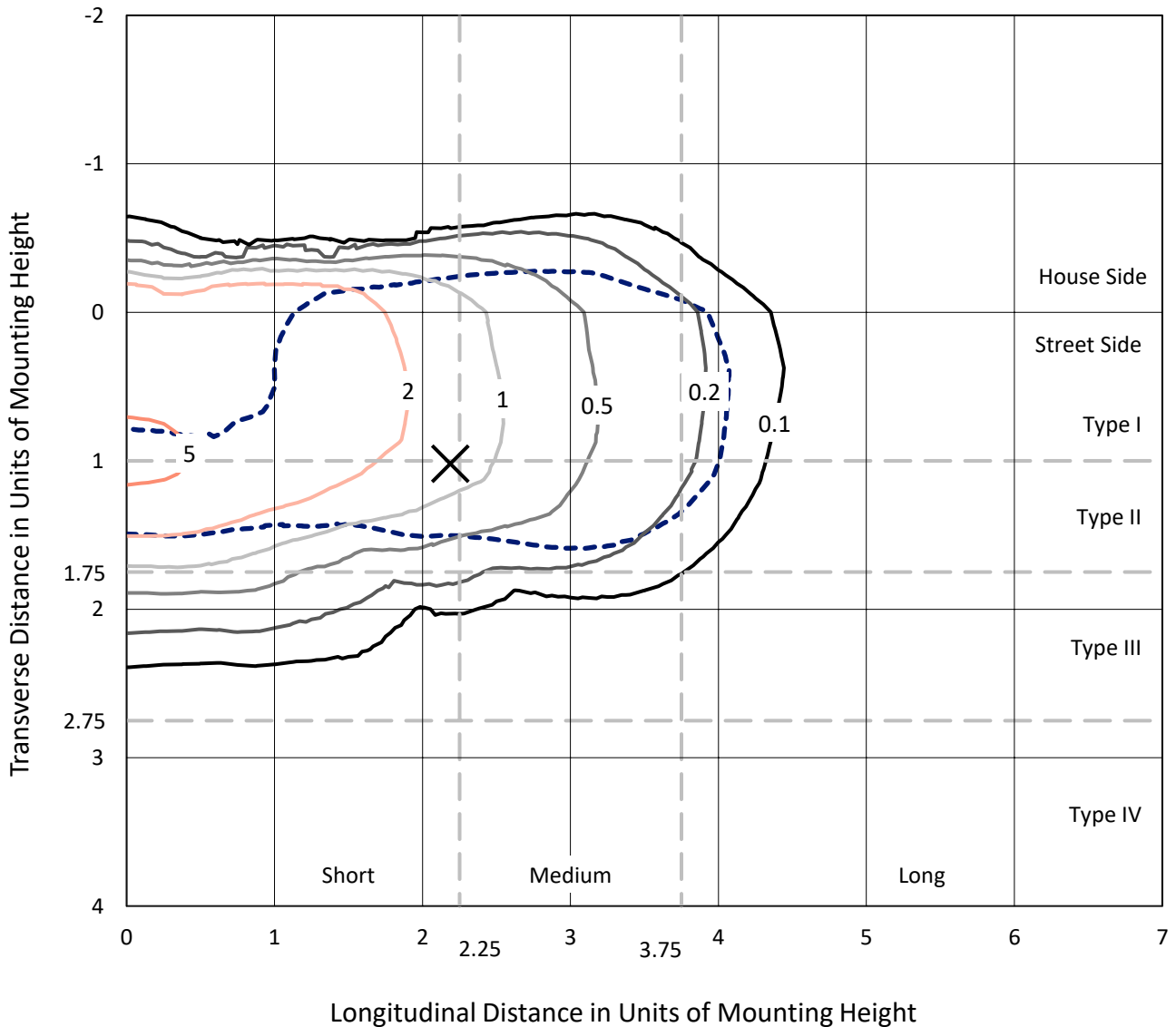
Input Watts (W): 39.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

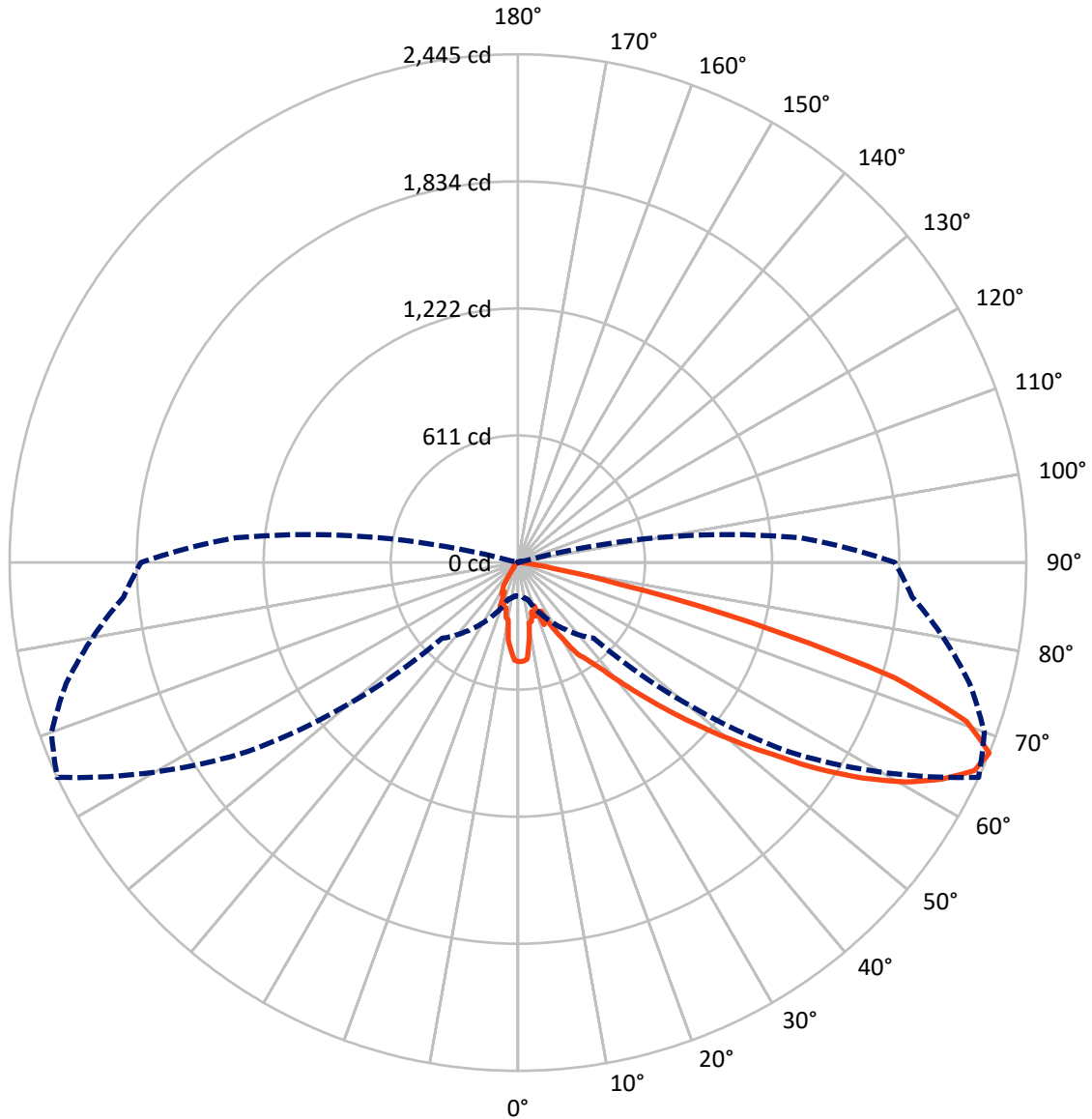
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.3 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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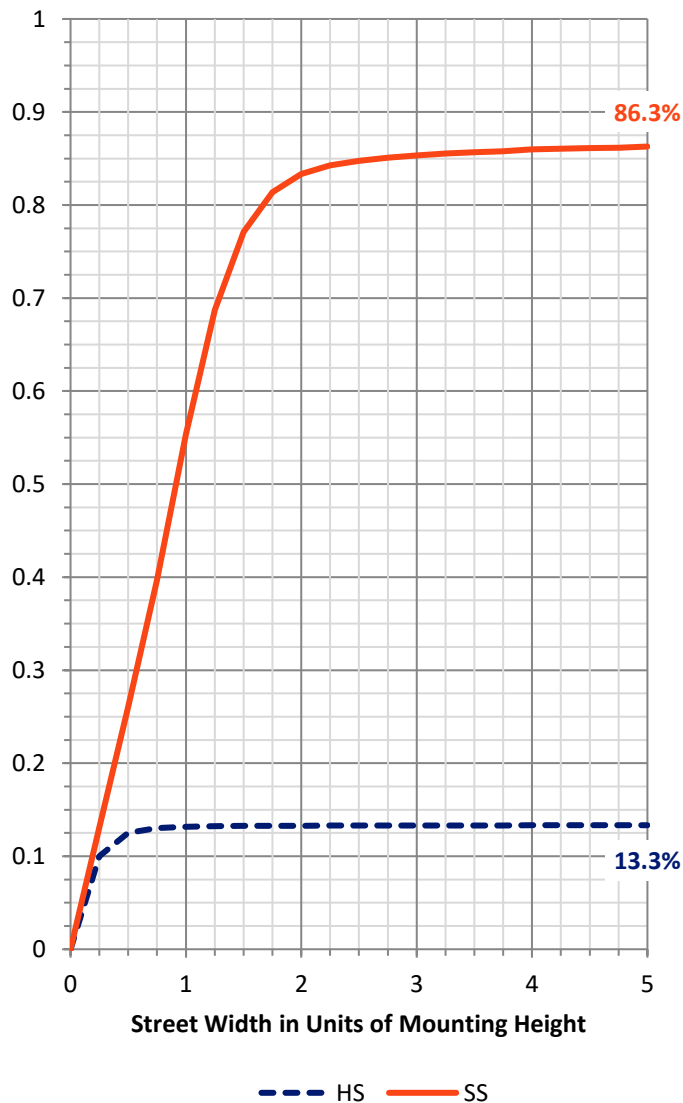
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	385.0	0.0	385.0
	% Fixture	13.5	0.0	13.5
<b>Street Side</b>	Lumens	2462.0	0.0	2462.0
	% Fixture	86.5	0.0	86.5
<b>Total</b>	Lumens	2846.9	0.0	2846.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	36.6	1.3
10°-20°	70.8	2.5
20°-30°	106.9	3.8
30°-40°	246.1	8.6
40°-50°	539.9	19.0
50°-60°	792.6	27.8
60°-70°	688.5	24.2
70°-80°	341.4	12.0
80°-90°	24.2	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°	2846.9	100.0
0°-180°	2846.9	100.0

**Coefficient of Utilization**



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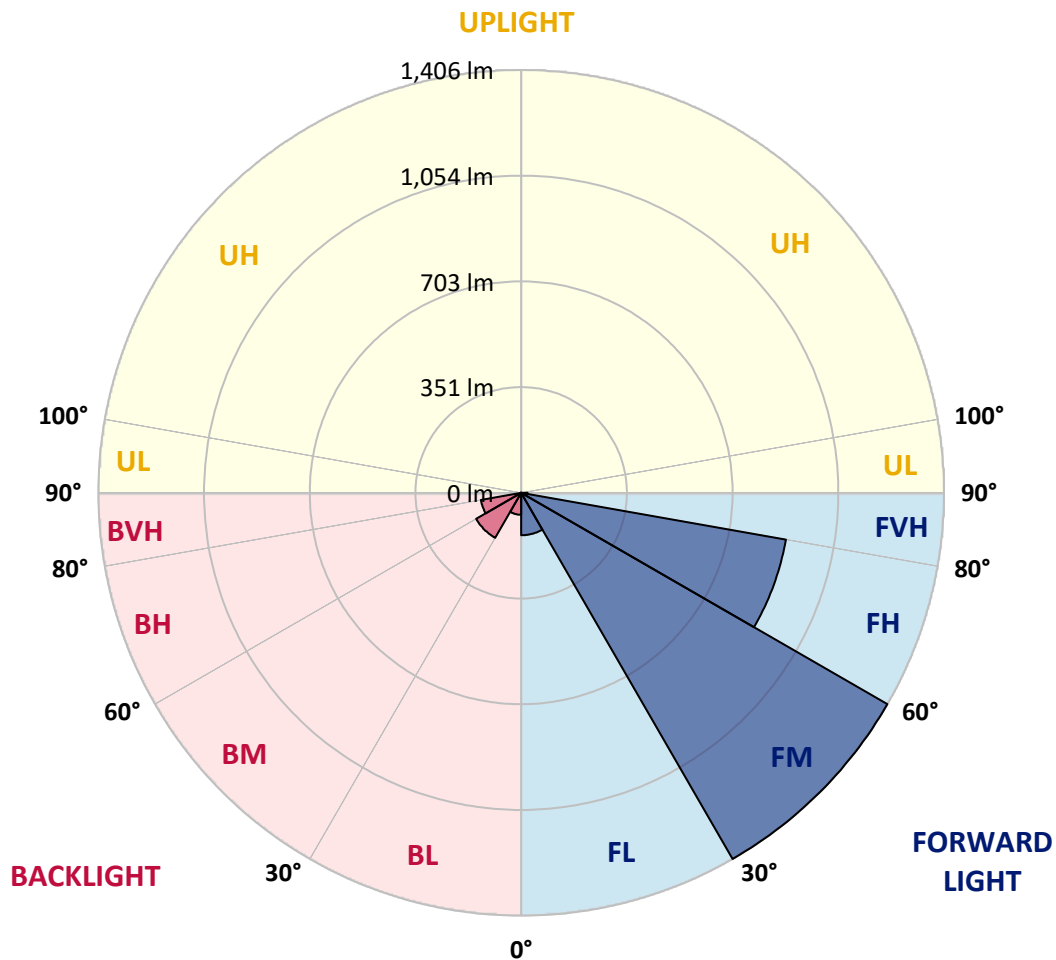
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	141.1	5.0			
FM (30°-60°)	1405.8	49.4			
FH (60°-80°)	893.8	31.4			G1/1800
FVH (80°-90°)	21.3	0.7			G1/100
BL (0°-30°)	73.1	2.6	B0/110		
BM (30°-60°)	172.9	6.1	B0/220		
BH (60°-80°)	136.0	4.8	B1/500		G1/500
BVH (80°-90°)	2.9	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°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	399.1	432.1	442.2	452.2	460.8	469.5	470.9	472.3	475.2	476.6	478.1
5°	390.5	391.9	391.9	390.5	391.9	393.4	393.4	393.4	393.4	393.4	394.8
7.5°	313.0	350.3	361.8	371.8	377.6	381.9	384.8	386.2	387.6	389.1	390.5
10°	377.6	376.1	377.6	377.6	379.0	379.0	346.0	313.0	324.5	334.5	317.3
12.5°	300.1	330.2	343.1	356.0	364.7	371.8	357.5	341.7	311.5	280.0	281.4
15°	361.8	361.8	361.8	361.8	334.5	305.8	287.1	267.0	282.8	297.2	268.5
17.5°	291.4	291.4	317.3	343.1	343.1	341.7	323.0	302.9	262.7	222.5	258.4
20°	360.4	360.4	361.8	363.2	315.8	268.5	284.3	298.6	304.4	310.1	297.2
22.5°	294.3	294.3	298.6	301.5	318.7	335.9	290.0	244.1	281.4	318.7	292.9
25°	380.5	381.9	384.8	386.2	343.1	298.6	318.7	338.8	298.6	258.4	298.6
27.5°	344.6	338.8	338.8	337.4	351.7	364.7	335.9	307.2	333.1	358.9	328.8
30°	483.8	479.5	473.8	468.0	413.5	358.9	360.4	360.4	350.3	340.3	357.5
32.5°	670.5	663.3	614.5	565.7	525.5	485.3	443.6	402.0	416.3	429.3	420.6
35°	900.2	900.2	854.2	808.3	717.8	627.4	557.0	485.3	479.5	473.8	482.4
37.5°	1172.9	1144.2	1089.7	1035.1	923.1	809.7	702.0	594.4	581.4	567.1	552.7
40°	1375.4	1371.1	1329.4	1287.8	1150.0	1012.1	885.8	758.0	716.4	673.3	641.7
42.5°	1586.4	1570.6	1537.6	1503.1	1363.9	1223.2	1088.2	951.8	894.4	837.0	781.0
45°	1738.6	1734.3	1705.6	1676.9	1563.4	1448.6	1307.9	1165.8	1128.4	1091.1	986.3
47.5°	1833.3	1808.9	1797.5	1784.5	1686.9	1589.3	1470.1	1349.5	1343.8	1336.6	1204.5
50°	1804.6	1783.1	1786.0	1788.8	1741.5	1694.1	1603.6	1511.8	1527.5	1543.3	1434.2
52.5°	1652.4	1633.8	1659.6	1684.0	1682.6	1681.2	1648.1	1613.7	1671.1	1727.1	1652.4
55°	1348.1	1361.0	1412.7	1464.4	1498.8	1531.9	1579.2	1625.2	1734.3	1842.0	1827.6
57.5°	1056.6	1085.4	1138.5	1190.2	1246.2	1300.7	1401.2	1501.7	1685.5	1867.8	1931.0
60°	709.2	727.9	821.2	913.1	964.8	1016.5	1125.6	1233.2	1483.0	1731.4	1896.5
62.5°	440.7	450.8	503.9	557.0	661.8	766.6	821.2	874.3	1144.2	1412.7	1718.5
65°	271.3	268.5	290.0	310.1	413.5	515.4	551.3	585.8	765.2	943.2	1418.4
67.5°	162.2	160.8	172.3	183.8	231.1	278.5	334.5	390.5	453.7	515.4	1050.9
70°	132.1	135.0	139.3	143.6	156.5	169.4	221.1	272.8	271.3	269.9	631.7
72.5°	110.5	113.4	122.0	129.2	139.3	147.9	178.0	206.7	193.8	180.9	301.5
75°	81.8	83.3	94.8	104.8	120.6	135.0	142.1	147.9	142.1	136.4	152.2
77.5°	54.6	54.6	64.6	74.7	90.4	106.2	114.9	123.5	113.4	103.4	107.7
80°	34.5	34.5	40.2	44.5	60.3	76.1	86.1	96.2	87.6	77.5	76.1
82.5°	20.1	21.5	24.4	27.3	37.3	47.4	54.6	61.7	71.8	80.4	64.6
85°	8.6	10.0	12.9	14.4	20.1	24.4	28.7	33.0	41.6	50.2	41.6
87.5°	1.4	1.4	2.9	4.3	5.7	7.2	7.2	7.2	7.2	5.7	7.2
90°	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9



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**CANDELA DISTRIBUTION (continued):**

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	478.1	476.6	475.2	475.2	475.2	473.8	472.3	472.3	472.3	470.9	469.5
5°	394.8	430.7	466.6	468.0	470.9	469.5	468.0	466.6	465.2	463.7	460.8
7.5°	390.5	387.6	384.8	374.7	409.2	409.2	407.7	407.7	404.9	393.4	381.9
10°	298.6	297.2	294.3	298.6	305.8	330.2	353.2	351.7	347.4	320.2	292.9
12.5°	282.8	287.1	291.4	277.1	249.8	272.8	295.7	292.9	290.0	265.6	239.8
15°	239.8	242.6	245.5	268.5	310.1	331.6	351.7	348.9	346.0	317.3	287.1
17.5°	294.3	282.8	271.3	287.1	272.8	282.8	292.9	281.4	272.8	261.3	249.8
20°	282.8	252.7	222.5	268.5	321.6	338.8	356.0	351.7	343.1	315.8	287.1
22.5°	265.6	295.7	324.5	310.1	284.3	268.5	252.7	245.5	239.8	241.2	242.6
25°	337.4	298.6	258.4	327.3	369.0	374.7	379.0	366.1	351.7	321.6	290.0
27.5°	297.2	325.9	353.2	380.5	394.8	399.1	402.0	420.6	390.5	350.3	310.1
30°	374.7	399.1	423.5	483.8	532.6	541.2	549.9	528.3	503.9	455.1	406.3
32.5°	412.0	468.0	522.6	551.3	571.4	578.6	585.8	557.0	529.8	466.6	402.0
35°	489.6	531.2	572.8	605.9	644.6	646.0	647.5	615.9	581.4	489.6	397.7
37.5°	536.9	591.5	644.6	681.9	742.2	737.9	733.6	696.3	654.7	525.5	396.2
40°	608.7	679.1	748.0	783.9	857.1	844.2	831.2	788.2	742.2	564.2	386.2
42.5°	725.0	799.7	874.3	904.5	984.9	970.5	954.7	897.3	838.4	595.8	353.2
45°	880.1	947.5	1015.0	1068.1	1131.3	1108.3	1085.4	1023.6	937.5	623.1	308.7
47.5°	1071.0	1121.3	1171.5	1276.3	1322.2	1276.3	1228.9	1154.3	1045.2	646.0	246.9
50°	1325.1	1336.6	1346.7	1477.3	1523.2	1452.9	1382.5	1286.4	1155.7	671.9	186.6
52.5°	1576.4	1554.8	1531.9	1672.5	1689.8	1596.5	1501.7	1401.2	1237.5	686.2	133.5
55°	1813.2	1783.1	1751.5	1852.0	1840.5	1717.1	1593.6	1471.6	1287.8	690.6	93.3
57.5°	1994.1	1975.5	1955.4	2001.3	1958.2	1813.2	1668.2	1546.2	1325.1	697.7	68.9
60°	2060.2	2101.8	2143.4	2137.7	2058.7	1905.1	1751.5	1622.3	1348.1	700.6	51.7
62.5°	2024.3	2159.2	2292.8	2238.2	2142.0	1979.8	1816.1	1691.2	1358.1	699.2	40.2
65°	1893.6	2153.5	2411.9	2321.5	2200.9	2038.6	1876.4	1764.4	1369.6	700.6	31.6
67.5°	1585.0	2015.7	2444.9	2387.5	2249.7	2077.4	1903.7	1813.2	1363.9	694.9	25.8
70°	992.0	1641.0	2289.9	2334.4	2249.7	2060.2	1870.7	1798.9	1312.2	666.1	20.1
72.5°	420.6	1158.6	1896.5	2090.3	2149.2	1965.4	1781.7	1692.6	1201.7	608.7	15.8
75°	166.5	666.1	1165.8	1473.0	1653.9	1576.4	1497.4	1378.2	788.2	400.6	11.5
77.5°	112.0	304.4	496.7	723.6	862.8	893.0	923.1	786.7	314.4	162.2	8.6
80°	74.7	122.0	169.4	259.9	310.1	292.9	274.2	225.4	96.2	51.7	7.2
82.5°	47.4	63.2	79.0	89.0	91.9	66.0	40.2	33.0	11.5	8.6	4.3
85°	31.6	37.3	43.1	44.5	44.5	31.6	17.2	8.6	4.3	4.3	2.9
87.5°	8.6	10.0	10.0	10.0	7.2	5.7	4.3	2.9	2.9	2.9	2.9
90°	4.3	5.7	5.7	5.7	4.3	4.3	2.9	2.9	2.9	2.9	2.9





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**CANDELA DISTRIBUTION (continued):**

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6	476.6
2.5°	469.5	469.5	468.0	466.6	466.6	465.2	450.8	435.0	420.6	404.9	403.4
5°	442.2	422.1	403.4	384.8	381.9	377.6	377.6	376.1	376.1	374.7	374.7
7.5°	379.0	376.1	373.3	370.4	369.0	366.1	364.7	361.8	360.4	357.5	341.7
10°	287.1	280.0	280.0	278.5	281.4	284.3	282.8	280.0	298.6	317.3	315.8
12.5°	255.5	269.9	257.0	242.6	246.9	249.8	254.1	258.4	257.0	254.1	232.6
15°	257.0	225.4	215.3	203.9	209.6	213.9	176.6	137.8	130.6	123.5	114.9
17.5°	239.8	229.7	222.5	213.9	163.7	112.0	100.5	89.0	79.0	67.5	66.0
20°	242.6	196.7	183.8	169.4	130.6	91.9	70.3	48.8	43.1	37.3	43.1
22.5°	236.9	229.7	168.0	106.2	79.0	51.7	43.1	33.0	35.9	38.8	38.8
25°	222.5	155.1	120.6	86.1	60.3	33.0	34.5	34.5	31.6	27.3	30.1
27.5°	241.2	170.8	109.1	45.9	40.2	33.0	30.1	25.8	25.8	25.8	24.4
30°	278.5	149.3	93.3	37.3	31.6	25.8	24.4	23.0	21.5	18.7	20.1
32.5°	264.2	126.3	79.0	31.6	27.3	23.0	20.1	17.2	17.2	17.2	17.2
35°	239.8	80.4	54.6	27.3	23.0	18.7	17.2	14.4	14.4	14.4	14.4
37.5°	224.0	51.7	37.3	21.5	18.7	15.8	14.4	11.5	11.5	11.5	12.9
40°	211.0	35.9	27.3	18.7	15.8	11.5	10.0	8.6	10.0	10.0	10.0
42.5°	192.4	30.1	23.0	15.8	12.9	10.0	8.6	7.2	8.6	8.6	8.6
45°	168.0	27.3	20.1	12.9	11.5	8.6	7.2	5.7	7.2	7.2	7.2
47.5°	135.0	23.0	17.2	11.5	10.0	7.2	7.2	5.7	5.7	5.7	5.7
50°	104.8	21.5	15.8	10.0	8.6	5.7	5.7	4.3	5.7	5.7	5.7
52.5°	76.1	18.7	14.4	8.6	7.2	4.3	4.3	4.3	4.3	4.3	4.3
55°	54.6	15.8	11.5	7.2	5.7	4.3	4.3	2.9	4.3	4.3	4.3
57.5°	41.6	14.4	10.0	5.7	4.3	2.9	2.9	2.9	2.9	2.9	2.9
60°	33.0	12.9	10.0	5.7	4.3	2.9	2.9	1.4	2.9	2.9	2.9
62.5°	25.8	10.0	8.6	5.7	4.3	2.9	2.9	1.4	2.9	2.9	2.9
65°	20.1	8.6	7.2	4.3	2.9	1.4	1.4	1.4	2.9	2.9	2.9
67.5°	17.2	7.2	5.7	4.3	2.9	1.4	2.9	2.9	2.9	2.9	2.9
70°	14.4	7.2	5.7	4.3	2.9	1.4	2.9	2.9	4.3	4.3	2.9
72.5°	11.5	5.7	4.3	2.9	2.9	1.4	2.9	2.9	4.3	4.3	2.9
75°	8.6	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	4.3	2.9
77.5°	7.2	4.3	4.3	2.9	2.9	1.4	2.9	4.3	4.3	4.3	4.3
80°	5.7	2.9	2.9	2.9	1.4	0.0	2.9	5.7	5.7	4.3	4.3
82.5°	4.3	2.9	2.9	2.9	1.4	0.0	2.9	5.7	5.7	4.3	4.3
85°	2.9	2.9	2.9	2.9	2.9	1.4	4.3	5.7	5.7	4.3	4.3
87.5°	2.9	2.9	2.9	2.9	2.9	1.4	2.9	4.3	4.3	4.3	4.3
90°	2.9	2.9	4.3	4.3	2.9	1.4	2.9	4.3	4.3	4.3	4.3



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**CANDELA DISTRIBUTION (continued):**

	165°	170°	175°	180°
0°	476.6	476.6	476.6	476.6
2.5°	400.6	403.4	404.9	402.0
5°	373.3	373.3	371.8	376.1
7.5°	324.5	315.8	305.8	298.6
10°	313.0	305.8	298.6	300.1
12.5°	209.6	188.1	166.5	173.7
15°	106.2	100.5	94.8	94.8
17.5°	63.2	57.4	50.2	51.7
20°	47.4	47.4	47.4	47.4
22.5°	37.3	35.9	33.0	31.6
25°	31.6	31.6	31.6	31.6
27.5°	23.0	23.0	21.5	20.1
30°	20.1	20.1	20.1	18.7
32.5°	15.8	17.2	17.2	17.2
35°	14.4	14.4	14.4	14.4
37.5°	12.9	12.9	11.5	11.5
40°	10.0	10.0	10.0	10.0
42.5°	8.6	8.6	8.6	8.6
45°	7.2	7.2	7.2	7.2
47.5°	5.7	5.7	5.7	5.7
50°	5.7	5.7	4.3	4.3
52.5°	4.3	4.3	2.9	2.9
55°	2.9	2.9	2.9	2.9
57.5°	2.9	2.9	1.4	1.4
60°	2.9	2.9	1.4	1.4
62.5°	1.4	1.4	1.4	1.4
65°	1.4	1.4	0.0	0.0
67.5°	1.4	1.4	0.0	0.0
70°	1.4	1.4	0.0	0.0
72.5°	1.4	1.4	0.0	0.0
75°	1.4	1.4	0.0	0.0
77.5°	2.9	1.4	0.0	0.0
80°	2.9	2.9	1.4	0.0
82.5°	2.9	2.9	1.4	0.0
85°	2.9	2.9	1.4	0.0
87.5°	2.9	2.9	1.4	0.0
90°	2.9	2.9	1.4	0.0

(END OF REPORT)