

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: P560831

Luminaire Tested: **SDL-PA1-60-830-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-830-U-T3
Description: Springdale
(1) 80 CRI, 3000K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5933.2 lumens
Efficiency: N/A
Efficacy: 95.1 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: B1 - U0 - G2

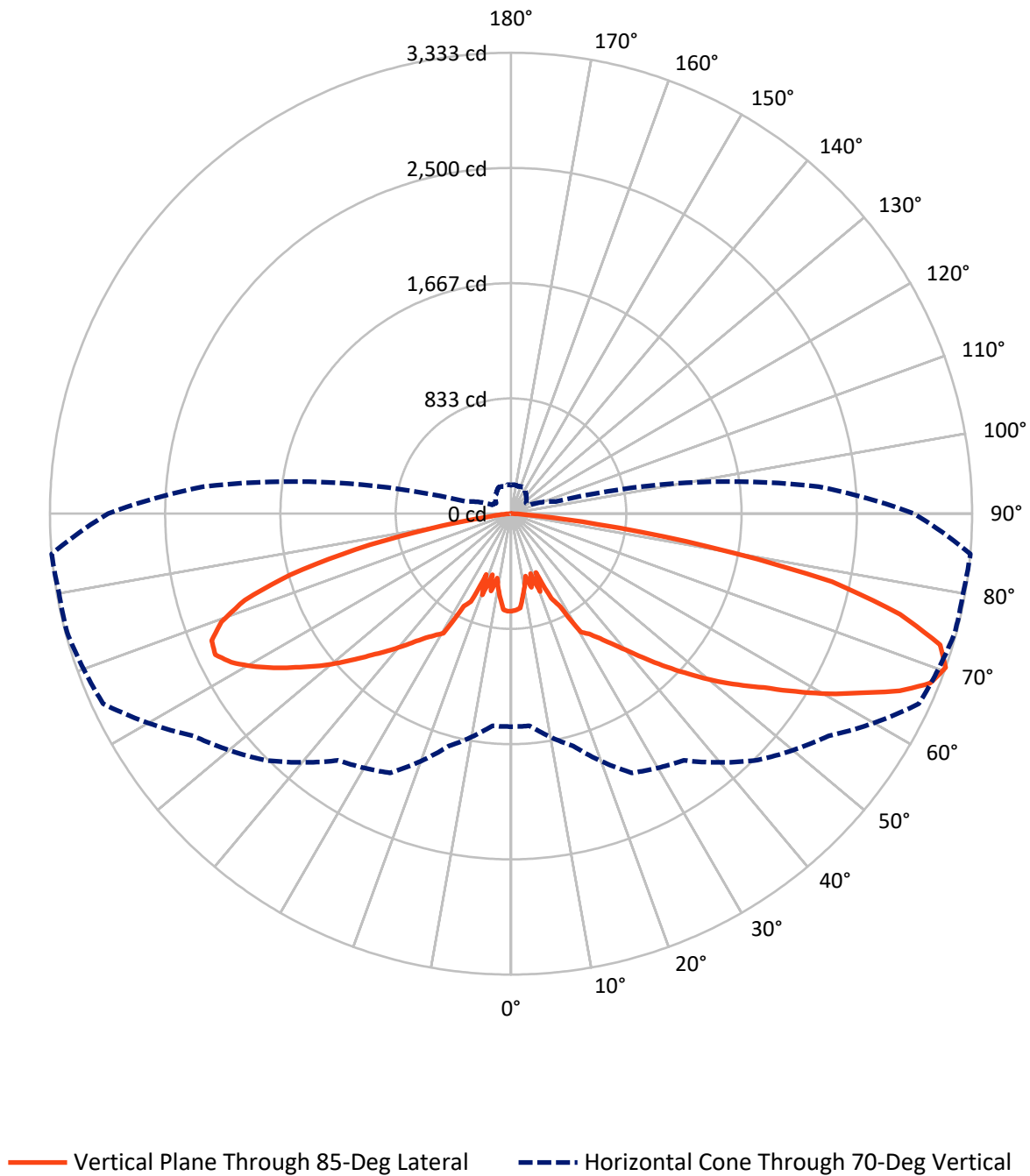
Input Watts (W): 62.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Luminous Intensity Polar Plot



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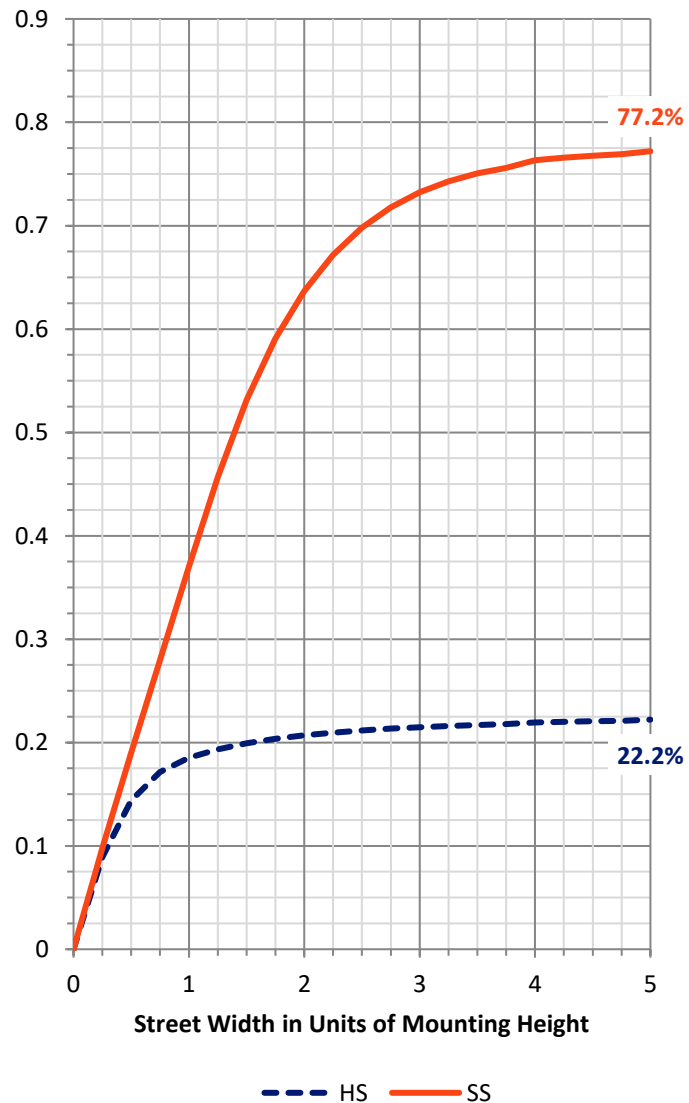
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1341.5	0.0	1341.5
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	4591.7	0.0	4591.7
	% Fixture	77.4	0.0	77.4
Total	Lumens	5933.2	0.0	5933.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.3	1.0
10°-20°	143.3	2.4
20°-30°	261.8	4.4
30°-40°	494.5	8.3
40°-50°	805.5	13.6
50°-60°	1242.6	20.9
60°-70°	1523.1	25.7
70°-80°	1192.8	20.1
80°-90°	212.4	3.6
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°	5933.2	100.0
0°-180°	5933.2	100.0

Coefficient of Utilization



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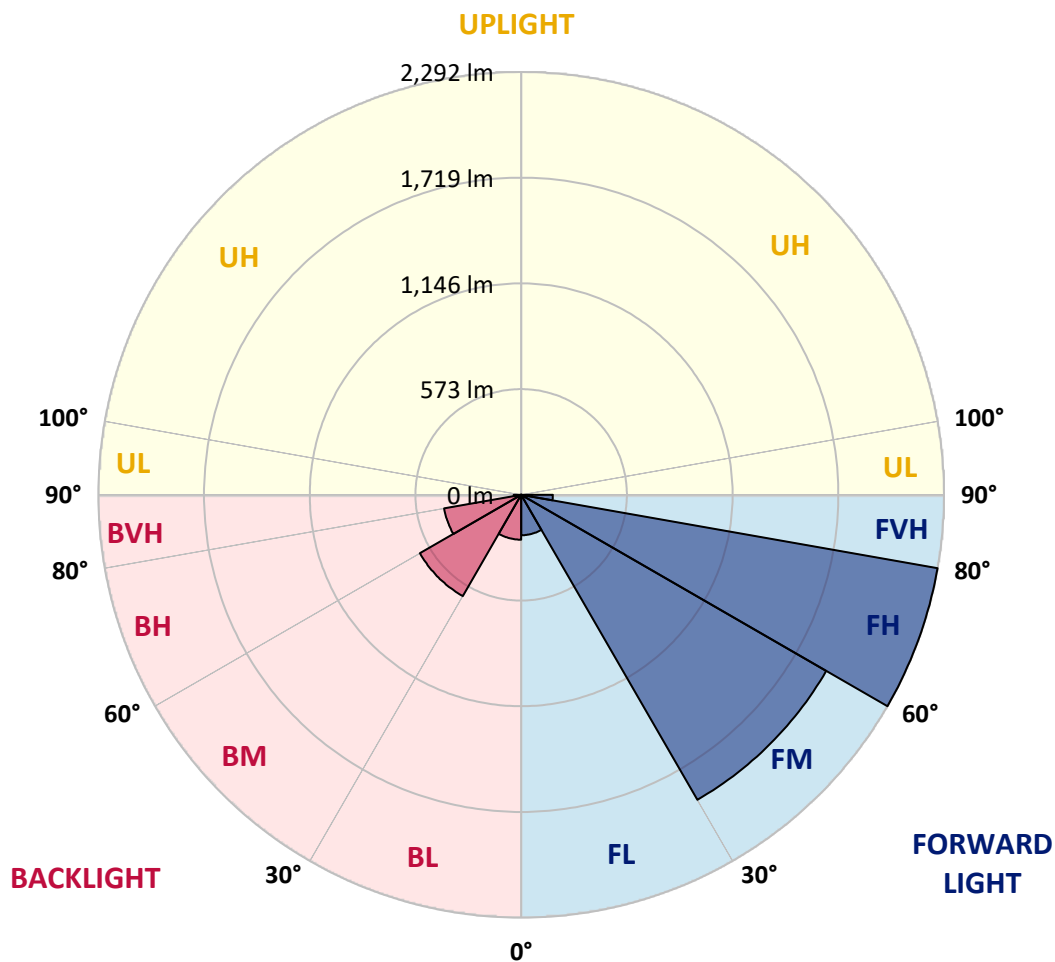
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.0	3.7			
FM	(30°-60°)	1908.9	32.2			
FH	(60°-80°)	2291.8	38.6			G2/5000
FVH	(80°-90°)	172.0	2.9			G2/225
BL	(0°-30°)	243.3	4.1	B1/500		
BM	(30°-60°)	633.7	10.7	B1/1000		
BH	(60°-80°)	424.1	7.1	B1/500		G1/500
BVH	(80°-90°)	40.4	0.7			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	581.2	633.2	633.2	633.2	644.1	652.7	657.1	659.2	667.9	674.4	678.8
5°	542.1	544.3	544.3	544.3	546.5	548.6	550.8	553.0	557.3	559.5	566.0
7.5°	455.4	464.1	481.4	496.6	507.4	518.3	527.0	533.5	537.8	542.1	544.3
10°	507.4	507.4	507.4	507.4	507.4	507.4	481.4	455.4	457.6	457.6	444.6
12.5°	425.0	438.0	457.6	474.9	490.1	503.1	485.8	468.4	435.9	403.4	403.4
15°	492.3	492.3	490.1	487.9	459.7	431.5	405.5	379.5	396.8	414.2	383.8
17.5°	422.9	425.0	451.1	474.9	470.6	464.1	440.2	414.2	373.0	329.6	373.0
20°	542.1	535.6	522.6	509.6	448.9	388.2	399.0	409.9	420.7	429.4	429.4
22.5°	498.8	503.1	511.8	520.5	513.9	505.3	442.4	379.5	416.4	453.2	420.7
25°	683.1	683.1	657.1	631.1	566.0	498.8	509.6	518.3	455.4	390.3	444.6
27.5°	631.1	626.7	615.9	602.9	615.9	626.7	570.3	511.8	529.1	546.5	500.9
30°	839.2	839.2	828.4	817.5	724.3	628.9	622.4	613.7	576.8	537.8	563.8
32.5°	1006.2	1004.0	954.2	904.3	852.2	798.0	741.6	683.1	678.8	674.4	670.1
35°	1205.7	1205.7	1177.5	1149.3	1034.4	917.3	850.1	782.9	763.3	743.8	759.0
37.5°	1318.5	1333.7	1322.8	1309.8	1184.0	1056.1	962.8	867.4	847.9	828.4	834.9
40°	1474.6	1470.3	1468.1	1463.8	1318.5	1173.2	1073.4	971.5	958.5	945.5	945.5
42.5°	1711.0	1687.1	1661.1	1632.9	1485.5	1338.0	1227.4	1114.6	1090.8	1064.8	1066.9
45°	2036.3	2010.3	1949.5	1886.6	1737.0	1587.4	1439.9	1292.5	1251.3	1207.9	1203.6
47.5°	2235.8	2207.6	2177.2	2144.7	1984.2	1823.8	1672.0	1518.0	1457.3	1396.6	1372.7
50°	2441.8	2415.8	2391.9	2368.1	2227.1	2086.2	1934.4	1782.6	1687.1	1591.7	1550.5
52.5°	2637.0	2589.3	2565.4	2541.6	2422.3	2300.8	2142.5	1984.2	1912.7	1841.1	1752.2
55°	2732.4	2673.8	2665.2	2654.3	2565.4	2474.3	2322.5	2170.7	2090.5	2008.1	1919.2
57.5°	2597.9	2602.3	2650.0	2697.7	2647.8	2597.9	2454.8	2311.7	2231.4	2151.2	2084.0
60°	2476.5	2509.0	2567.6	2626.1	2630.5	2632.6	2556.7	2480.8	2391.9	2303.0	2251.0
62.5°	2309.5	2333.4	2424.4	2513.4	2580.6	2645.6	2567.6	2489.5	2459.1	2426.6	2394.1
65°	2084.0	2090.5	2194.6	2296.5	2417.9	2537.2	2476.5	2415.8	2467.8	2517.7	2522.0
67.5°	1808.6	1828.1	1930.0	2031.9	2179.4	2324.7	2322.5	2320.4	2431.0	2539.4	2615.3
70°	1539.7	1539.7	1639.4	1739.2	1904.0	2068.8	2123.0	2177.2	2348.6	2519.9	2660.8
72.5°	1160.2	1214.4	1266.4	1318.5	1502.8	1685.0	1804.2	1923.5	2179.4	2433.1	2647.8
75°	639.7	644.1	689.6	735.1	919.5	1103.8	1283.8	1463.8	1806.4	2149.0	2487.3
77.5°	210.4	203.8	229.9	253.7	362.1	468.4	620.2	772.0	1149.3	1526.7	2071.0
80°	117.1	119.3	127.9	136.6	171.3	203.8	277.6	351.3	511.8	670.1	1316.3
82.5°	78.1	80.2	88.9	97.6	112.8	127.9	169.1	208.2	223.4	236.4	594.2
85°	49.9	52.0	56.4	60.7	65.1	67.2	95.4	123.6	112.8	101.9	177.8
87.5°	10.8	10.8	13.0	13.0	15.2	17.3	21.7	26.0	23.9	19.5	26.0
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°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	680.9	685.3	687.4	689.6	691.8	696.1	698.3	700.4	704.8	707.0	707.0
5°	572.5	611.5	648.4	661.4	674.4	680.9	685.3	691.8	696.1	700.4	704.8
7.5°	546.5	548.6	550.8	566.0	581.2	594.2	607.2	611.5	622.4	615.9	607.2
10°	429.4	431.5	431.5	446.7	461.9	507.4	537.8	544.3	550.8	524.8	496.6
12.5°	401.2	412.0	422.9	416.4	409.9	442.4	464.1	472.7	477.1	459.7	442.4
15°	351.3	362.1	370.8	420.7	470.6	513.9	553.0	563.8	576.8	548.6	518.3
17.5°	416.4	412.0	405.5	414.2	422.9	433.7	455.4	461.9	461.9	470.6	479.3
20°	429.4	381.7	334.0	422.9	511.8	550.8	600.7	618.0	622.4	598.5	574.7
22.5°	386.0	440.2	494.4	483.6	472.7	461.9	461.9	468.4	474.9	479.3	483.6
25°	496.6	451.1	405.5	509.6	613.7	654.9	678.8	689.6	698.3	667.9	635.4
27.5°	455.4	516.1	574.7	620.2	665.7	711.3	761.2	808.9	750.3	722.1	693.9
30°	587.7	637.6	687.4	795.9	904.3	962.8	993.2	993.2	993.2	952.0	908.6
32.5°	665.7	752.5	839.2	897.8	954.2	1012.7	1036.6	1036.6	1036.6	986.7	934.6
35°	772.0	841.4	910.8	978.0	1045.2	1090.8	1108.1	1101.6	1088.6	1021.4	954.2
37.5°	841.4	934.6	1027.9	1097.3	1164.5	1192.7	1199.2	1179.7	1160.2	1071.3	980.2
40°	945.5	1047.4	1147.2	1220.9	1294.6	1318.5	1305.5	1279.5	1244.8	1125.5	1006.2
42.5°	1066.9	1168.9	1270.8	1357.5	1442.1	1457.3	1437.8	1396.6	1335.8	1173.2	1008.4
45°	1199.2	1301.1	1400.9	1498.5	1596.1	1606.9	1580.9	1520.2	1431.2	1218.7	1006.2
47.5°	1346.7	1426.9	1507.1	1645.9	1784.7	1771.7	1732.7	1663.3	1546.2	1272.9	997.5
50°	1509.3	1572.2	1632.9	1806.4	1979.9	1940.9	1897.5	1821.6	1667.6	1335.8	1001.9
52.5°	1661.1	1721.8	1782.6	1962.5	2140.4	2103.5	2055.8	1988.6	1791.2	1403.1	1012.7
55°	1830.3	1895.3	1960.4	2151.2	2342.0	2279.2	2218.4	2175.1	1912.7	1459.4	1006.2
57.5°	2014.6	2097.0	2179.4	2355.1	2528.5	2461.3	2426.6	2370.2	2047.1	1526.7	1006.2
60°	2198.9	2298.7	2398.4	2552.4	2706.4	2652.1	2645.6	2567.6	2172.9	1576.5	978.0
62.5°	2361.6	2511.2	2660.8	2782.3	2901.5	2849.5	2851.7	2760.6	2290.0	1587.4	882.6
65°	2526.4	2719.4	2910.2	2999.1	3088.0	3051.2	3088.0	2925.4	2368.1	1544.0	720.0
67.5°	2689.0	2901.5	3114.1	3181.3	3248.5	3226.8	3270.2	2979.6	2350.7	1431.2	509.6
70°	2801.8	3027.3	3252.8	3287.5	3322.2	3317.9	3333.1	2912.4	2233.6	1286.0	336.1
72.5°	2862.5	3075.0	3285.4	3300.5	3313.6	3307.1	3244.2	2702.0	2023.3	1127.7	232.0
75°	2823.5	3029.5	3235.5	3205.1	3174.8	3114.1	2903.7	2326.9	1658.9	915.1	171.3
77.5°	2615.3	2838.6	3062.0	2983.9	2903.7	2725.9	2372.4	1743.5	1153.7	644.1	132.3
80°	1962.5	2238.0	2513.4	2420.1	2324.7	1949.5	1444.3	975.9	596.4	349.1	101.9
82.5°	949.8	1103.8	1257.8	1233.9	1210.1	895.6	624.5	351.3	171.3	125.8	80.2
85°	251.6	373.0	494.4	472.7	451.1	238.5	104.1	91.1	67.2	62.9	56.4
87.5°	30.4	34.7	36.9	26.0	13.0	10.8	10.8	6.5	6.5	8.7	8.7
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°	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8	704.8
2.5°	711.3	713.5	713.5	713.5	713.5	713.5	696.1	678.8	674.4	670.1	661.4
5°	685.3	663.6	648.4	633.2	633.2	631.1	637.6	644.1	648.4	650.6	652.7
7.5°	609.4	611.5	624.5	635.4	646.2	654.9	661.4	665.7	661.4	654.9	628.9
10°	498.8	500.9	511.8	520.5	535.6	548.6	585.5	620.2	661.4	702.6	713.5
12.5°	474.9	505.3	487.9	470.6	518.3	563.8	611.5	657.1	689.6	720.0	698.3
15°	483.6	448.9	455.4	461.9	520.5	579.0	544.3	507.4	594.2	680.9	700.4
17.5°	481.4	481.4	513.9	546.5	492.3	435.9	516.1	594.2	628.9	661.4	635.4
20°	513.9	451.1	474.9	496.6	540.0	581.2	546.5	511.8	524.8	537.8	622.4
22.5°	535.6	585.5	531.3	474.9	513.9	553.0	546.5	540.0	579.0	618.0	596.4
25°	559.5	481.4	520.5	557.3	513.9	468.4	503.1	535.6	524.8	513.9	581.2
27.5°	641.9	587.7	537.8	487.9	513.9	537.8	511.8	483.6	494.4	505.3	500.9
30°	776.3	641.9	579.0	516.1	483.6	448.9	451.1	453.2	466.2	479.3	516.1
32.5°	811.0	687.4	596.4	505.3	483.6	461.9	442.4	420.7	440.2	459.7	503.1
35°	819.7	683.1	585.5	487.9	453.2	418.5	405.5	392.5	425.0	457.6	496.6
37.5°	815.4	648.4	544.3	440.2	414.2	388.2	381.7	373.0	394.7	414.2	442.4
40°	804.5	602.9	498.8	394.7	373.0	351.3	347.0	342.6	357.8	373.0	390.3
42.5°	785.0	559.5	455.4	351.3	336.1	320.9	316.6	310.1	323.1	336.1	342.6
45°	761.2	516.1	418.5	318.8	307.9	294.9	288.4	279.7	292.8	303.6	305.8
47.5°	737.3	474.9	386.0	294.9	286.2	275.4	268.9	260.2	271.1	279.7	281.9
50°	717.8	431.5	351.3	271.1	262.4	253.7	247.2	240.7	251.6	260.2	260.2
52.5°	707.0	399.0	320.9	242.9	238.5	234.2	232.0	227.7	236.4	245.0	247.2
55°	680.9	353.5	286.2	216.9	219.0	219.0	216.9	212.5	229.9	245.0	251.6
57.5°	652.7	299.3	249.4	197.3	201.7	206.0	208.2	210.4	229.9	247.2	255.9
60°	615.9	253.7	216.9	180.0	186.5	190.8	201.7	210.4	227.7	245.0	249.4
62.5°	550.8	216.9	190.8	164.8	173.5	182.2	195.2	208.2	221.2	234.2	234.2
65°	455.4	188.7	171.3	151.8	164.8	175.7	190.8	206.0	216.9	225.5	223.4
67.5°	340.5	169.1	156.1	141.0	156.1	169.1	182.2	195.2	208.2	221.2	216.9
70°	245.0	151.8	143.1	132.3	145.3	158.3	171.3	184.3	197.3	210.4	208.2
72.5°	186.5	138.8	130.1	121.4	134.5	145.3	160.5	175.7	188.7	201.7	197.3
75°	149.6	125.8	119.3	110.6	123.6	136.6	151.8	164.8	177.8	190.8	186.5
77.5°	123.6	112.8	106.3	99.8	110.6	121.4	136.6	151.8	164.8	175.7	171.3
80°	99.8	95.4	91.1	84.6	97.6	108.4	123.6	136.6	147.5	158.3	151.8
82.5°	78.1	75.9	73.7	69.4	80.2	91.1	106.3	121.4	130.1	138.8	134.5
85°	58.6	58.6	56.4	54.2	62.9	69.4	78.1	84.6	93.2	99.8	95.4
87.5°	8.7	8.7	13.0	15.2	15.2	15.2	21.7	28.2	28.2	26.0	21.7
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):

	165°	170°	175°	180°
0°	704.8	704.8	704.8	704.8
2.5°	652.7	652.7	652.7	654.9
5°	654.9	657.1	657.1	661.4
7.5°	600.7	598.5	596.4	596.4
10°	722.1	726.5	728.6	733.0
12.5°	674.4	648.4	622.4	622.4
15°	720.0	724.3	726.5	730.8
17.5°	609.4	607.2	605.0	600.7
20°	704.8	709.1	711.3	711.3
22.5°	574.7	574.7	572.5	572.5
25°	648.4	648.4	648.4	652.7
27.5°	494.4	509.6	524.8	544.3
30°	553.0	555.2	557.3	557.3
32.5°	546.5	574.7	602.9	607.2
35°	535.6	535.6	533.5	535.6
37.5°	470.6	464.1	455.4	459.7
40°	405.5	390.3	375.2	373.0
42.5°	349.1	336.1	320.9	320.9
45°	307.9	299.3	288.4	284.1
47.5°	281.9	273.2	264.6	262.4
50°	258.1	249.4	240.7	240.7
52.5°	249.4	242.9	234.2	232.0
55°	258.1	245.0	232.0	227.7
57.5°	262.4	247.2	232.0	225.5
60°	251.6	242.9	232.0	223.4
62.5°	232.0	227.7	223.4	219.0
65°	219.0	219.0	216.9	212.5
67.5°	212.5	214.7	214.7	210.4
70°	203.8	208.2	210.4	206.0
72.5°	193.0	195.2	195.2	188.7
75°	180.0	177.8	175.7	171.3
77.5°	164.8	162.6	158.3	154.0
80°	145.3	143.1	141.0	134.5
82.5°	127.9	132.3	134.5	110.6
85°	88.9	80.2	71.6	58.6
87.5°	17.3	13.0	6.5	6.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)