

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: P560826

Luminaire Tested: **SDL-PA1-60-830-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560826
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-PA1-60-830-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 3000K, 800mA 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: 4303.5 lumens
Efficiency: N/A
Efficacy: 69.0 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): 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

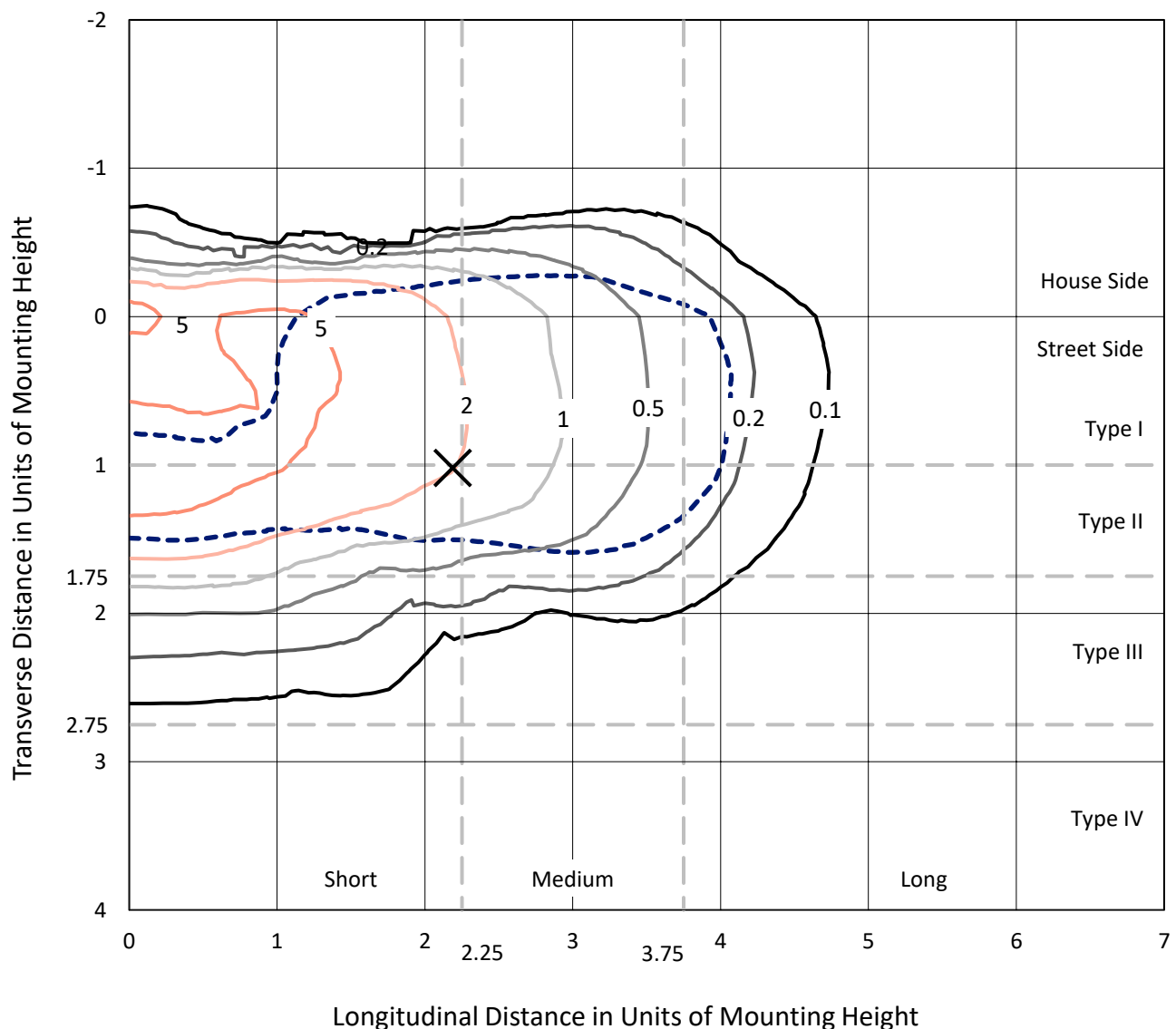


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

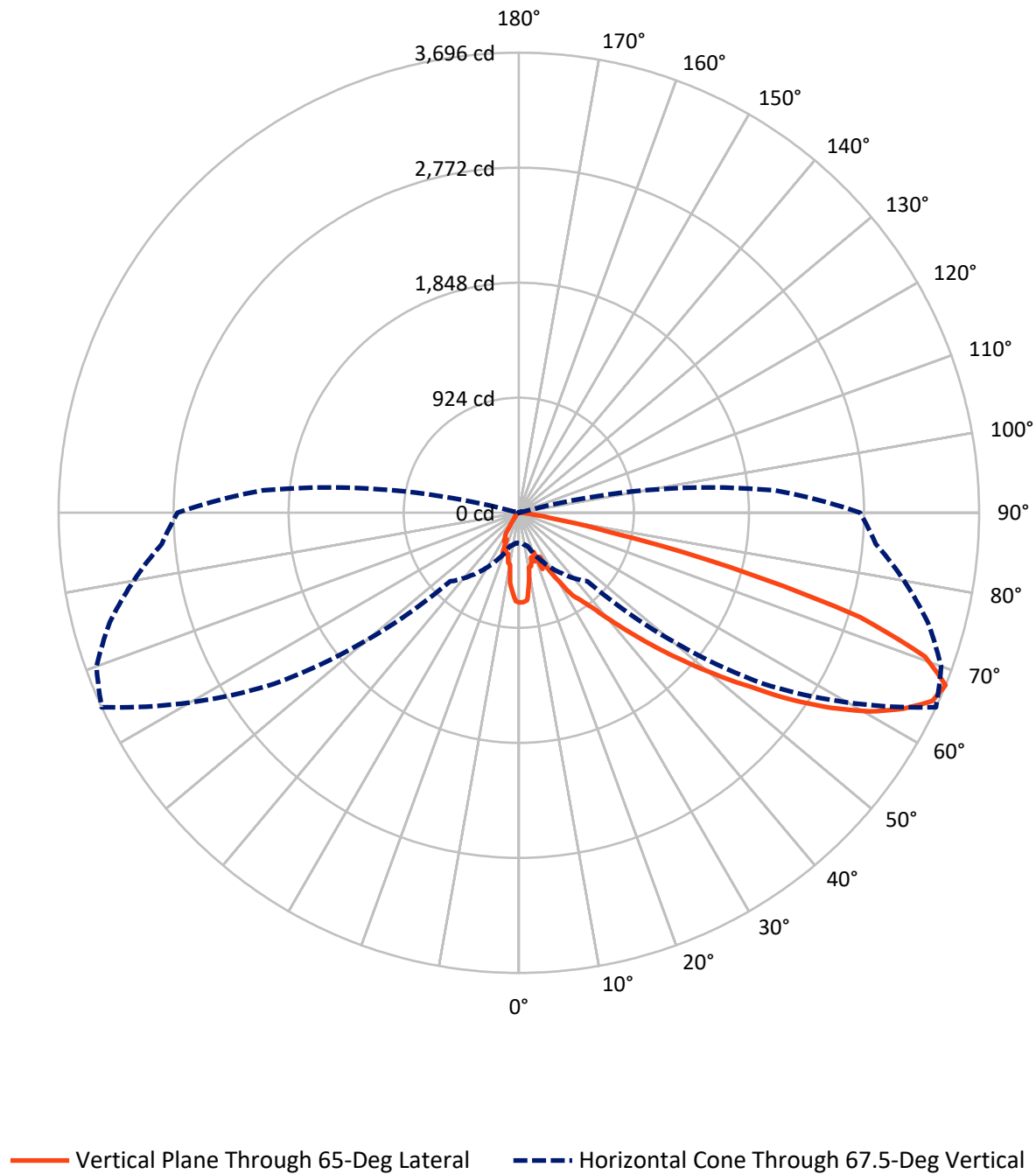


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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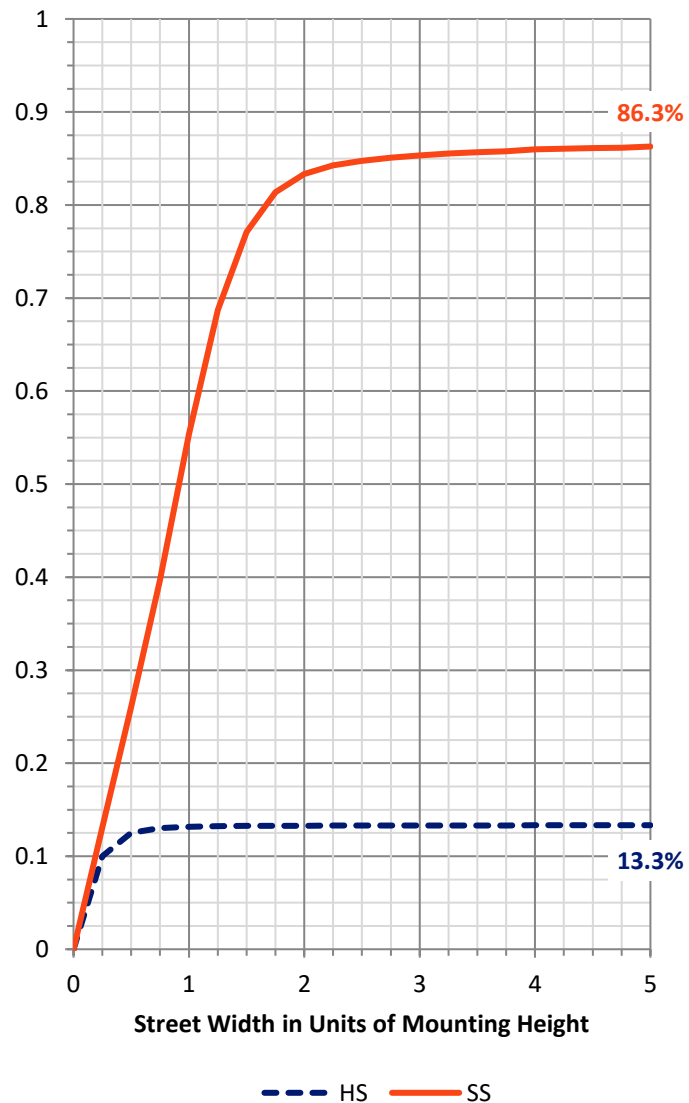
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	581.9	0.0	581.9
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3721.6	0.0	3721.6
	% Fixture	86.5	0.0	86.5
Total	Lumens	4303.5	0.0	4303.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.3	1.3
10°-20°	107.0	2.5
20°-30°	161.5	3.8
30°-40°	372.0	8.6
40°-50°	816.2	19.0
50°-60°	1198.1	27.8
60°-70°	1040.7	24.2
70°-80°	516.0	12.0
80°-90°	36.6	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°	4303.5	100.0
0°-180°	4303.5	100.0

Coefficient of Utilization



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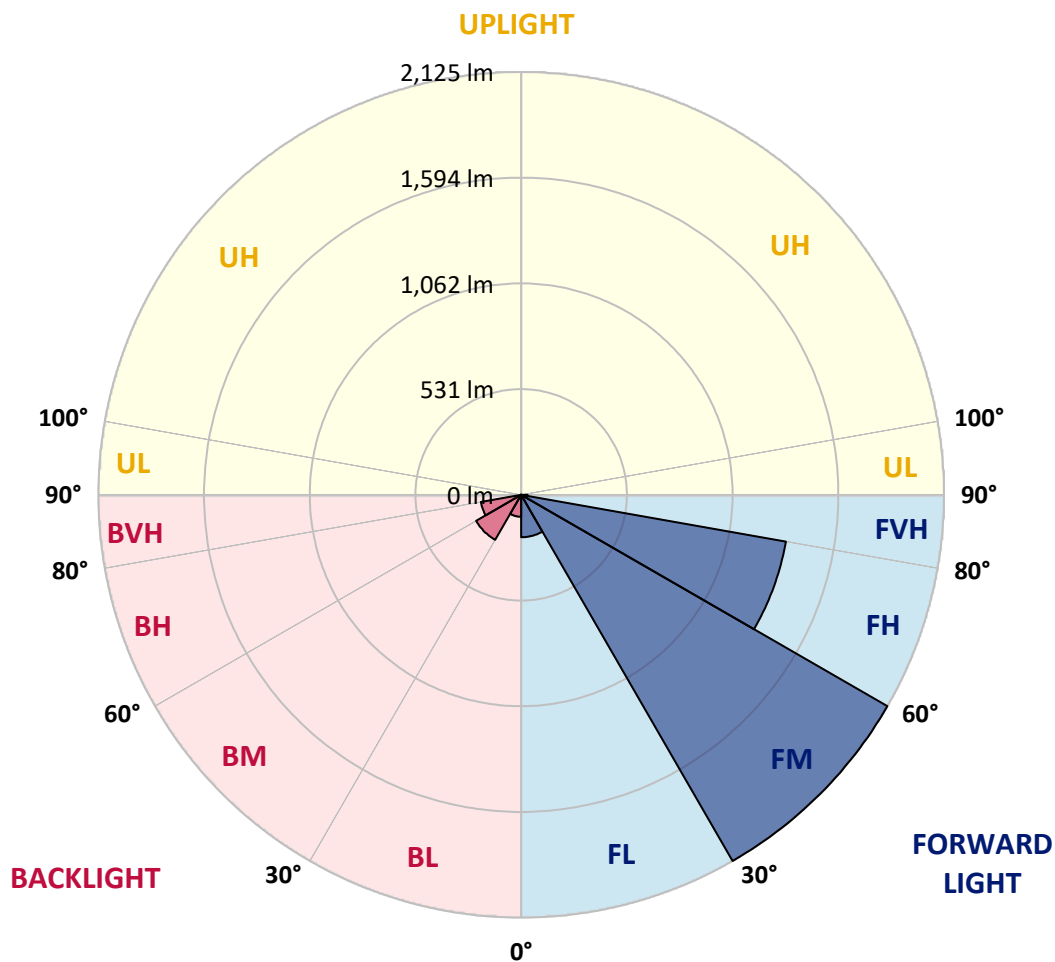
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.3	5.0			
FM	(30°-60°)	2125.0	49.4			
FH	(60°-80°)	1351.1	31.4			G1/1800
FVH	(80°-90°)	32.2	0.7			G1/100
BL	(0°-30°)	110.5	2.6	B1/500		
BM	(30°-60°)	261.4	6.1	B1/1000		
BH	(60°-80°)	205.6	4.8	B1/500		G1/500
BVH	(80°-90°)	4.4	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5
2.5°	603.3	653.2	668.4	683.6	696.6	709.6	711.8	714.0	718.3	720.5	722.7
5°	590.3	592.5	592.5	590.3	592.5	594.6	594.6	594.6	594.6	594.6	596.8
7.5°	473.1	529.5	546.9	562.1	570.8	577.3	581.6	583.8	585.9	588.1	590.3
10°	570.8	568.6	570.8	570.8	572.9	572.9	523.0	473.1	490.5	505.6	479.6
12.5°	453.6	499.1	518.7	538.2	551.2	562.1	540.4	516.5	470.9	423.2	425.4
15°	546.9	546.9	546.9	546.9	505.6	462.2	434.0	403.7	427.5	449.2	405.8
17.5°	440.5	440.5	479.6	518.7	518.7	516.5	488.3	457.9	397.1	336.4	390.6
20°	544.7	544.7	546.9	549.1	477.4	405.8	429.7	451.4	460.1	468.8	449.2
22.5°	444.9	444.9	451.4	455.7	481.8	507.8	438.4	368.9	425.4	481.8	442.7
25°	575.1	577.3	581.6	583.8	518.7	451.4	481.8	512.2	451.4	390.6	451.4
27.5°	520.8	512.2	512.2	510.0	531.7	551.2	507.8	464.4	503.5	542.5	497.0
30°	731.3	724.8	716.2	707.5	625.0	542.5	544.7	544.7	529.5	514.3	540.4
32.5°	1013.5	1002.6	928.8	855.0	794.3	733.5	670.6	607.6	629.3	648.9	635.9
35°	1360.7	1360.7	1291.3	1221.8	1085.1	948.4	842.0	733.5	724.8	716.2	729.2
37.5°	1773.0	1729.6	1647.2	1564.7	1395.4	1224.0	1061.2	898.5	878.9	857.2	835.5
40°	2079.0	2072.5	2009.6	1946.6	1738.3	1530.0	1339.0	1145.9	1082.9	1017.8	970.1
42.5°	2398.0	2374.2	2324.3	2272.2	2061.7	1849.0	1645.0	1438.8	1352.0	1265.2	1180.6
45°	2628.1	2621.6	2578.2	2534.8	2363.3	2189.7	1977.0	1762.2	1705.8	1649.3	1490.9
47.5°	2771.3	2734.4	2717.1	2697.5	2550.0	2402.4	2222.3	2040.0	2031.3	2020.4	1820.8
50°	2727.9	2695.4	2699.7	2704.0	2632.4	2560.8	2424.1	2285.2	2309.1	2332.9	2168.0
52.5°	2497.9	2469.7	2508.7	2545.6	2543.4	2541.3	2491.4	2439.3	2526.1	2610.7	2497.9
55°	2037.8	2057.3	2135.4	2213.6	2265.7	2315.6	2387.2	2456.6	2621.6	2784.3	2762.6
57.5°	1597.2	1640.6	1720.9	1799.1	1883.7	1966.2	2118.1	2270.0	2547.8	2823.4	2918.9
60°	1072.1	1100.3	1241.3	1380.2	1458.4	1536.5	1701.4	1864.2	2241.8	2617.2	2866.8
62.5°	666.2	681.4	761.7	842.0	1000.4	1158.9	1241.3	1321.6	1729.6	2135.4	2597.7
65°	410.2	405.8	438.4	468.8	625.0	779.1	833.3	885.4	1156.7	1425.8	2144.1
67.5°	245.2	243.1	260.4	277.8	349.4	421.0	505.6	590.3	685.8	779.1	1588.6
70°	199.7	204.0	210.5	217.0	236.5	256.1	334.2	412.3	410.2	408.0	954.9
72.5°	167.1	171.4	184.5	195.3	210.5	223.5	269.1	312.5	293.0	273.4	455.7
75°	123.7	125.9	143.2	158.4	182.3	204.0	214.8	223.5	214.8	206.2	230.0
77.5°	82.5	82.5	97.7	112.8	136.7	160.6	173.6	186.6	171.4	156.3	162.8
80°	52.1	52.1	60.8	67.3	91.1	115.0	130.2	145.4	132.4	117.2	115.0
82.5°	30.4	32.6	36.9	41.2	56.4	71.6	82.5	93.3	108.5	121.5	97.7
85°	13.0	15.2	19.5	21.7	30.4	36.9	43.4	49.9	62.9	76.0	62.9
87.5°	2.2	2.2	4.3	6.5	8.7	10.9	10.9	10.9	10.9	8.7	10.9
90°	0.0	0.0	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	4.3

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5
2.5°	722.7	720.5	718.3	718.3	718.3	716.2	714.0	714.0	714.0	711.8	709.6
5°	596.8	651.1	705.3	707.5	711.8	709.6	707.5	705.3	703.1	701.0	696.6
7.5°	590.3	585.9	581.6	566.4	618.5	618.5	616.3	616.3	612.0	594.6	577.3
10°	451.4	449.2	444.9	451.4	462.2	499.1	533.9	531.7	525.2	483.9	442.7
12.5°	427.5	434.0	440.5	418.8	377.6	412.3	447.1	442.7	438.4	401.5	362.4
15°	362.4	366.8	371.1	405.8	468.8	501.3	531.7	527.4	523.0	479.6	434.0
17.5°	444.9	427.5	410.2	434.0	412.3	427.5	442.7	425.4	412.3	395.0	377.6
20°	427.5	382.0	336.4	405.8	486.1	512.2	538.2	531.7	518.7	477.4	434.0
22.5°	401.5	447.1	490.5	468.8	429.7	405.8	382.0	371.1	362.4	364.6	366.8
25°	510.0	451.4	390.6	494.8	557.7	566.4	572.9	553.4	531.7	486.1	438.4
27.5°	449.2	492.6	533.9	575.1	596.8	603.3	607.6	635.9	590.3	529.5	468.8
30°	566.4	603.3	640.2	731.3	805.1	818.2	831.2	798.6	761.7	687.9	614.2
32.5°	622.8	707.5	789.9	833.3	863.7	874.6	885.4	842.0	800.8	705.3	607.6
35°	740.0	803.0	865.9	915.8	974.4	976.6	978.7	931.0	878.9	740.0	601.1
37.5°	811.6	894.1	974.4	1030.8	1122.0	1115.5	1109.0	1052.5	989.6	794.3	599.0
40°	920.2	1026.5	1130.7	1184.9	1295.6	1276.1	1256.5	1191.4	1122.0	852.9	583.8
42.5°	1095.9	1208.8	1321.6	1367.2	1488.7	1467.0	1443.2	1356.4	1267.4	900.6	533.9
45°	1330.3	1432.3	1534.3	1614.6	1710.1	1675.4	1640.6	1547.3	1417.1	941.9	466.6
47.5°	1618.9	1694.9	1770.9	1929.3	1998.7	1929.3	1857.7	1744.8	1579.9	976.6	373.3
50°	2003.1	2020.4	2035.6	2233.1	2302.6	2196.2	2089.9	1944.5	1747.0	1015.6	282.1
52.5°	2382.8	2350.3	2315.6	2528.2	2554.3	2413.2	2270.0	2118.1	1870.7	1037.3	201.8
55°	2740.9	2695.4	2647.6	2799.5	2782.2	2595.5	2408.9	2224.4	1946.6	1043.9	141.1
57.5°	3014.4	2986.2	2955.8	3025.2	2960.1	2740.9	2521.7	2337.3	2003.1	1054.7	104.2
60°	3114.2	3177.1	3240.1	3231.4	3112.0	2879.8	2647.6	2452.3	2037.8	1059.0	78.1
62.5°	3059.9	3263.9	3465.8	3383.3	3237.9	2992.7	2745.3	2556.5	2053.0	1056.9	60.8
65°	2862.5	3255.3	3645.9	3509.2	3326.9	3081.6	2836.4	2667.1	2070.3	1059.0	47.7
67.5°	2395.9	3046.9	3695.8	3609.0	3400.7	3140.2	2877.6	2740.9	2061.7	1050.4	39.1
70°	1499.6	2480.5	3461.4	3528.7	3400.7	3114.2	2827.7	2719.2	1983.5	1007.0	30.4
72.5°	635.9	1751.3	2866.8	3159.8	3248.7	2971.0	2693.2	2558.6	1816.4	920.2	23.9
75°	251.7	1007.0	1762.2	2226.6	2500.0	2382.8	2263.5	2083.4	1191.4	605.5	17.4
77.5°	169.3	460.1	750.9	1093.8	1304.3	1349.8	1395.4	1189.3	475.3	245.2	13.0
80°	112.8	184.5	256.1	392.8	468.8	442.7	414.5	340.7	145.4	78.1	10.9
82.5°	71.6	95.5	119.4	134.6	138.9	99.8	60.8	49.9	17.4	13.0	6.5
85°	47.7	56.4	65.1	67.3	67.3	47.7	26.0	13.0	6.5	6.5	4.3
87.5°	13.0	15.2	15.2	15.2	10.9	8.7	6.5	4.3	4.3	4.3	4.3
90°	6.5	8.7	8.7	8.7	6.5	6.5	4.3	4.3	4.3	4.3	4.3

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5	720.5
2.5°	709.6	709.6	707.5	705.3	705.3	703.1	681.4	657.6	635.9	612.0	609.8
5°	668.4	638.0	609.8	581.6	577.3	570.8	570.8	568.6	568.6	566.4	566.4
7.5°	572.9	568.6	564.2	559.9	557.7	553.4	551.2	546.9	544.7	540.4	516.5
10°	434.0	423.2	423.2	421.0	425.4	429.7	427.5	423.2	451.4	479.6	477.4
12.5°	386.3	408.0	388.5	366.8	373.3	377.6	384.1	390.6	388.5	384.1	351.6
15°	388.5	340.7	325.5	308.2	316.8	323.4	266.9	208.3	197.5	186.6	173.6
17.5°	362.4	347.2	336.4	323.4	247.4	169.3	151.9	134.6	119.4	102.0	99.8
20°	366.8	297.3	277.8	256.1	197.5	138.9	106.3	73.8	65.1	56.4	65.1
22.5°	358.1	347.2	253.9	160.6	119.4	78.1	65.1	49.9	54.3	58.6	58.6
25°	336.4	234.4	182.3	130.2	91.1	49.9	52.1	52.1	47.7	41.2	45.6
27.5°	364.6	258.3	164.9	69.4	60.8	49.9	45.6	39.1	39.1	39.1	36.9
30°	421.0	225.7	141.1	56.4	47.7	39.1	36.9	34.7	32.6	28.2	30.4
32.5°	399.3	191.0	119.4	47.7	41.2	34.7	30.4	26.0	26.0	26.0	26.0
35°	362.4	121.5	82.5	41.2	34.7	28.2	26.0	21.7	21.7	21.7	21.7
37.5°	338.5	78.1	56.4	32.6	28.2	23.9	21.7	17.4	17.4	17.4	19.5
40°	319.0	54.3	41.2	28.2	23.9	17.4	15.2	13.0	15.2	15.2	15.2
42.5°	290.8	45.6	34.7	23.9	19.5	15.2	13.0	10.9	13.0	13.0	13.0
45°	253.9	41.2	30.4	19.5	17.4	13.0	10.9	8.7	10.9	10.9	10.9
47.5°	204.0	34.7	26.0	17.4	15.2	10.9	10.9	8.7	8.7	8.7	8.7
50°	158.4	32.6	23.9	15.2	13.0	8.7	8.7	6.5	8.7	8.7	8.7
52.5°	115.0	28.2	21.7	13.0	10.9	6.5	6.5	6.5	6.5	6.5	6.5
55°	82.5	23.9	17.4	10.9	8.7	6.5	6.5	4.3	6.5	6.5	6.5
57.5°	62.9	21.7	15.2	8.7	6.5	4.3	4.3	4.3	4.3	4.3	4.3
60°	49.9	19.5	15.2	8.7	6.5	4.3	4.3	2.2	4.3	4.3	4.3
62.5°	39.1	15.2	13.0	8.7	6.5	4.3	4.3	2.2	4.3	4.3	4.3
65°	30.4	13.0	10.9	6.5	4.3	2.2	2.2	2.2	4.3	4.3	4.3
67.5°	26.0	10.9	8.7	6.5	4.3	2.2	4.3	4.3	4.3	4.3	4.3
70°	21.7	10.9	8.7	6.5	4.3	2.2	4.3	4.3	6.5	6.5	4.3
72.5°	17.4	8.7	6.5	4.3	4.3	2.2	4.3	4.3	6.5	6.5	4.3
75°	13.0	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	6.5	4.3
77.5°	10.9	6.5	6.5	4.3	4.3	2.2	4.3	6.5	6.5	6.5	6.5
80°	8.7	4.3	4.3	4.3	2.2	0.0	4.3	8.7	8.7	6.5	6.5
82.5°	6.5	4.3	4.3	4.3	2.2	0.0	4.3	8.7	8.7	6.5	6.5
85°	4.3	4.3	4.3	4.3	4.3	2.2	6.5	8.7	8.7	6.5	6.5
87.5°	4.3	4.3	4.3	4.3	4.3	2.2	4.3	6.5	6.5	6.5	6.5
90°	4.3	4.3	6.5	6.5	4.3	2.2	4.3	6.5	6.5	6.5	6.5

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	720.5	720.5	720.5	720.5
2.5°	605.5	609.8	612.0	607.6
5°	564.2	564.2	562.1	568.6
7.5°	490.5	477.4	462.2	451.4
10°	473.1	462.2	451.4	453.6
12.5°	316.8	284.3	251.7	262.6
15°	160.6	151.9	143.2	143.2
17.5°	95.5	86.8	76.0	78.1
20°	71.6	71.6	71.6	71.6
22.5°	56.4	54.3	49.9	47.7
25°	47.7	47.7	47.7	47.7
27.5°	34.7	34.7	32.6	30.4
30°	30.4	30.4	30.4	28.2
32.5°	23.9	26.0	26.0	26.0
35°	21.7	21.7	21.7	21.7
37.5°	19.5	19.5	17.4	17.4
40°	15.2	15.2	15.2	15.2
42.5°	13.0	13.0	13.0	13.0
45°	10.9	10.9	10.9	10.9
47.5°	8.7	8.7	8.7	8.7
50°	8.7	8.7	6.5	6.5
52.5°	6.5	6.5	4.3	4.3
55°	4.3	4.3	4.3	4.3
57.5°	4.3	4.3	2.2	2.2
60°	4.3	4.3	2.2	2.2
62.5°	2.2	2.2	2.2	2.2
65°	2.2	2.2	0.0	0.0
67.5°	2.2	2.2	0.0	0.0
70°	2.2	2.2	0.0	0.0
72.5°	2.2	2.2	0.0	0.0
75°	2.2	2.2	0.0	0.0
77.5°	4.3	2.2	0.0	0.0
80°	4.3	4.3	2.2	0.0
82.5°	4.3	4.3	2.2	0.0
85°	4.3	4.3	2.2	0.0
87.5°	4.3	4.3	2.2	0.0
90°	4.3	4.3	2.2	0.0

(END OF REPORT)