

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: P560804

Luminaire Tested: **SDL-PA1-60-827-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560804
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-PA1-60-827-U-T2U-HSS
Description: Springdale
(1) 80 CRI, 2700K, 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: 3981.1 lumens
Efficiency: N/A
Efficacy: 63.8 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

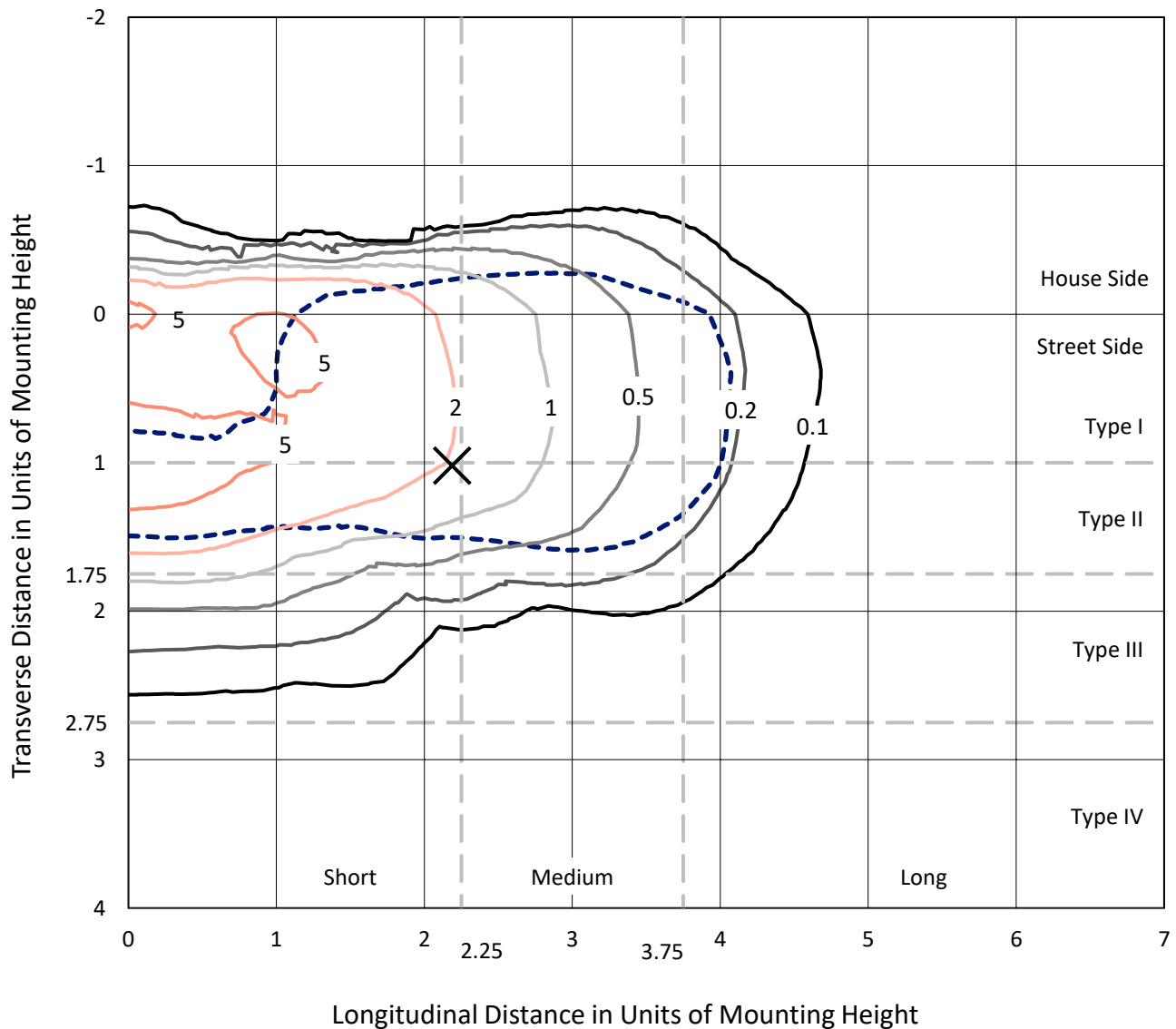


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

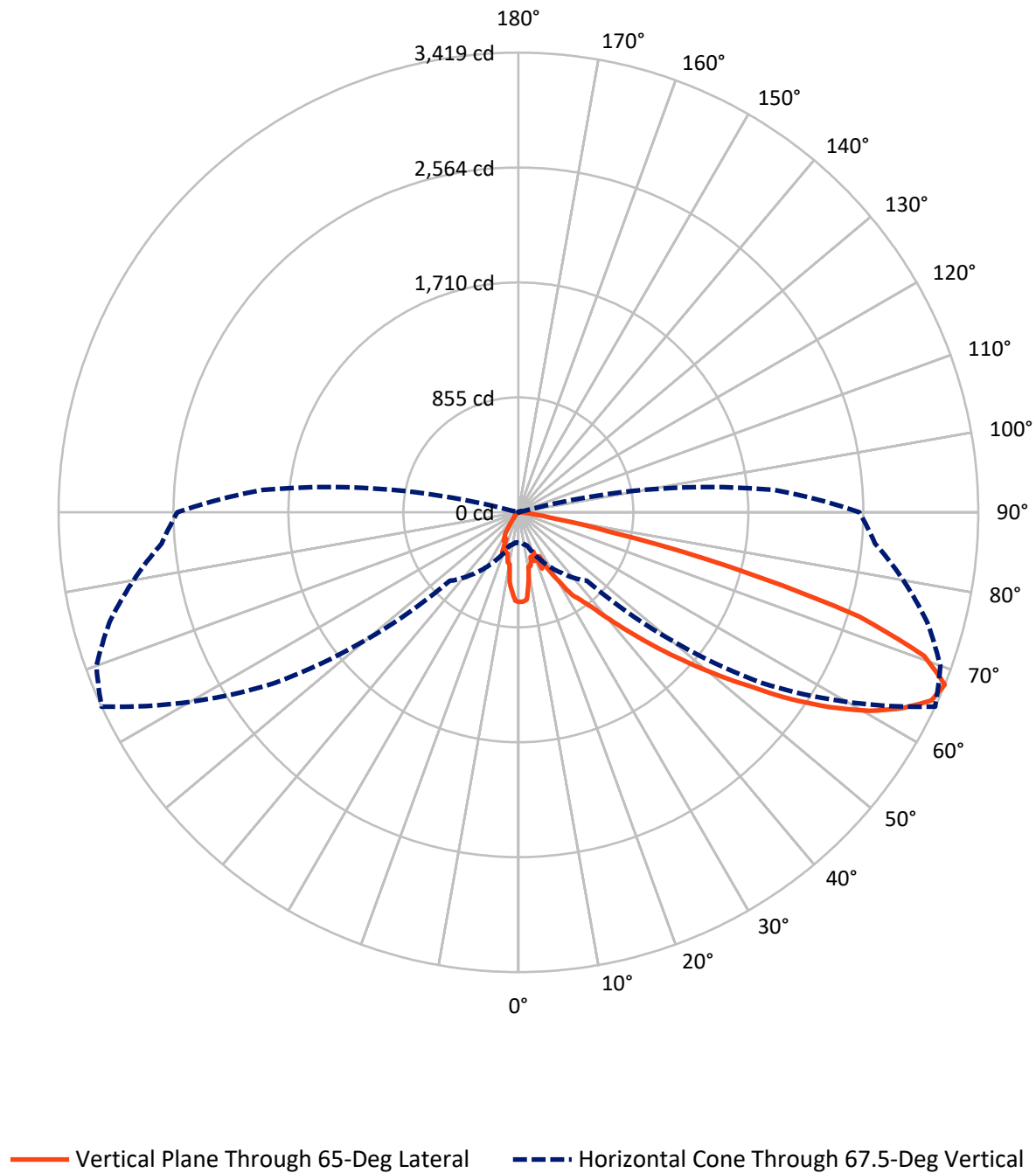


Based on 10 foot mounting height. Maximum calculated value = 8.8 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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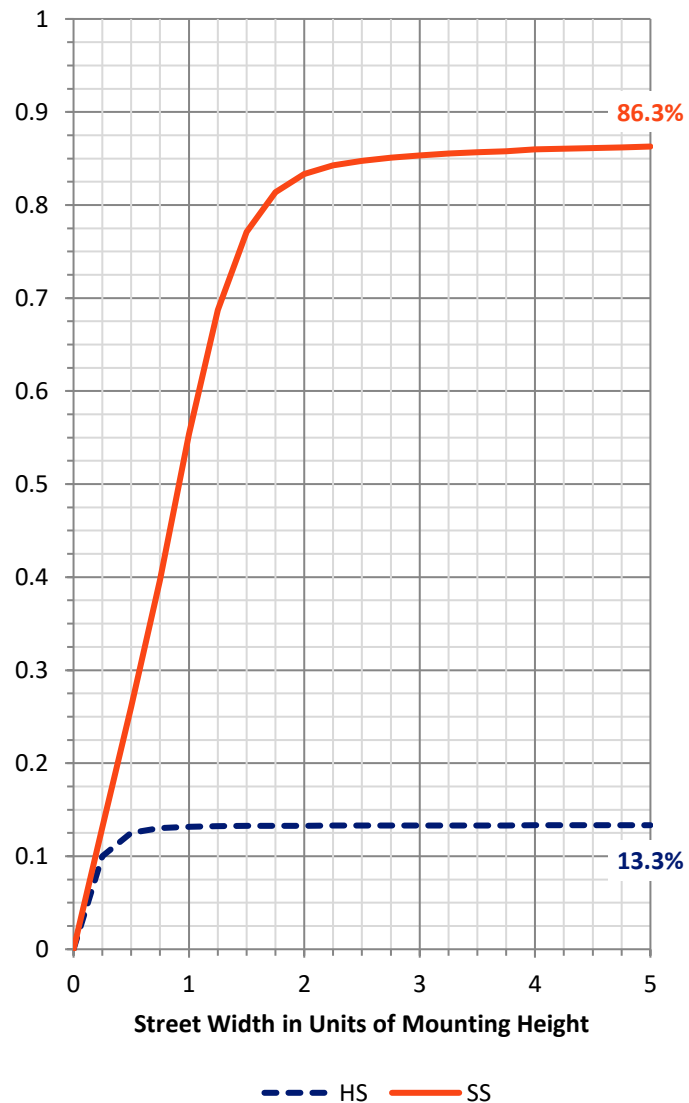
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	538.3	0.0	538.3
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	3442.8	0.0	3442.8
	% Fixture	86.5	0.0	86.5
Total	Lumens	3981.1	0.0	3981.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.3
10°-20°	99.0	2.5
20°-30°	149.4	3.8
30°-40°	344.2	8.6
40°-50°	755.0	19.0
50°-60°	1108.4	27.8
60°-70°	962.7	24.2
70°-80°	477.3	12.0
80°-90°	33.9	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°	3981.1	100.0
0°-180°	3981.1	100.0

Coefficient of Utilization



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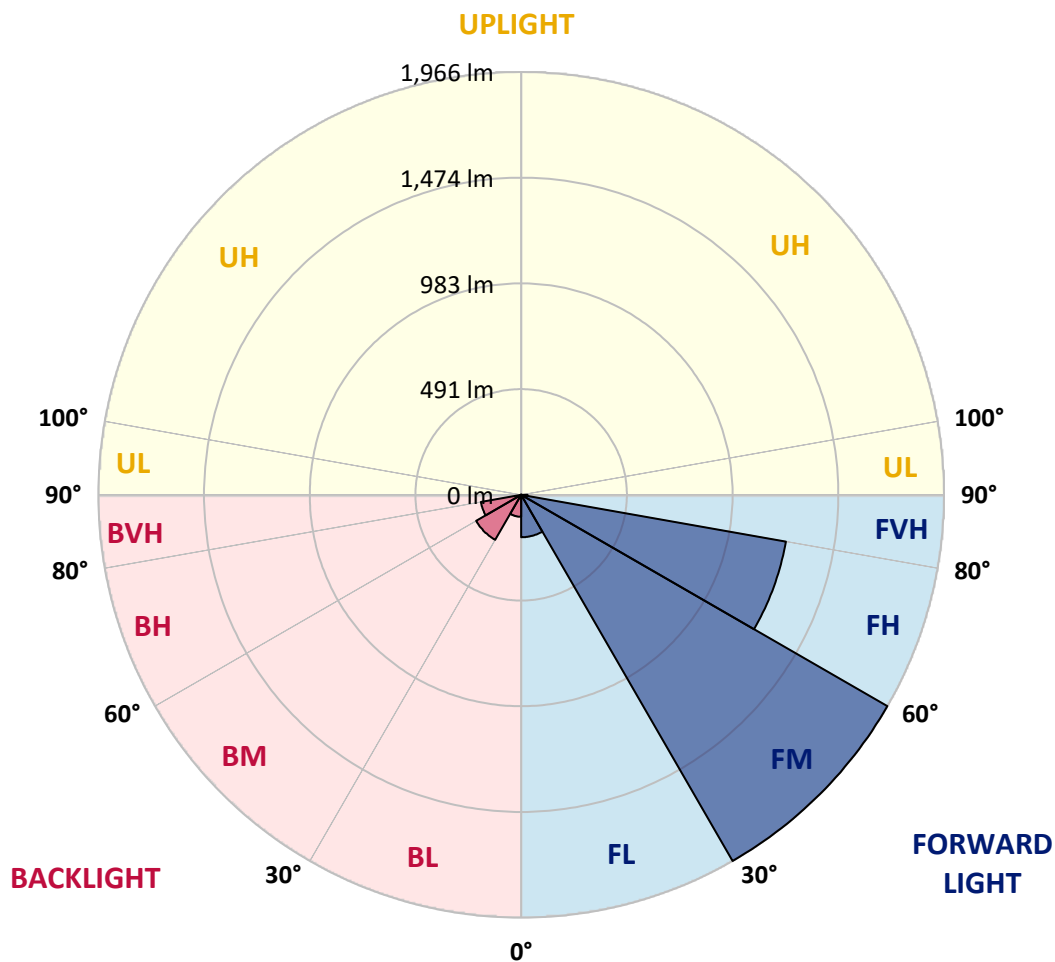
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.3	5.0			
FM	(30°-60°)	1965.8	49.4			
FH	(60°-80°)	1249.9	31.4			G1/1800
FVH	(80°-90°)	29.8	0.7			G1/100
BL	(0°-30°)	102.3	2.6	B0/110		
BM	(30°-60°)	241.8	6.1	B1/1000		
BH	(60°-80°)	190.2	4.8	B1/500		G1/500
BVH	(80°-90°)	4.1	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°	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
2.5°	558.1	604.3	618.3	632.4	644.4	656.5	658.5	660.5	664.5	666.5	668.5
5°	546.1	548.1	548.1	546.1	548.1	550.1	550.1	550.1	550.1	550.1	552.1
7.5°	437.7	489.9	505.9	520.0	528.0	534.0	538.0	540.0	542.1	544.1	546.1
10°	528.0	526.0	528.0	528.0	530.0	530.0	483.8	437.7	453.7	467.8	443.7
12.5°	419.6	461.8	479.8	497.9	509.9	520.0	499.9	477.8	435.7	391.5	393.5
15°	505.9	505.9	505.9	505.9	467.8	427.6	401.5	373.4	395.5	415.6	375.4
17.5°	407.5	407.5	443.7	479.8	479.8	477.8	451.7	423.6	367.4	311.2	361.4
20°	503.9	503.9	505.9	507.9	441.7	375.4	397.5	417.6	425.6	433.6	415.6
22.5°	411.6	411.6	417.6	421.6	445.7	469.8	405.5	341.3	393.5	445.7	409.6
25°	532.0	534.0	538.0	540.0	479.8	417.6	445.7	473.8	417.6	361.4	417.6
27.5°	481.8	473.8	473.8	471.8	491.9	509.9	469.8	429.6	465.8	501.9	459.7
30°	676.6	670.5	662.5	654.5	578.2	501.9	503.9	503.9	489.9	475.8	499.9
32.5°	937.6	927.5	859.3	791.0	734.8	678.6	620.4	562.1	582.2	600.3	588.2
35°	1258.8	1258.8	1194.5	1130.3	1003.8	877.3	779.0	678.6	670.5	662.5	674.6
37.5°	1640.2	1600.1	1523.8	1447.5	1290.9	1132.3	981.7	831.2	813.1	793.0	772.9
40°	1923.3	1917.3	1859.0	1800.8	1608.1	1415.4	1238.7	1060.0	1001.8	941.6	897.4
42.5°	2218.4	2196.3	2150.2	2102.0	1907.2	1710.5	1521.8	1331.0	1250.7	1170.4	1092.1
45°	2431.2	2425.2	2385.0	2344.9	2186.3	2025.7	1828.9	1630.2	1578.0	1525.8	1379.2
47.5°	2563.7	2529.6	2513.5	2495.5	2358.9	2222.4	2055.8	1887.2	1879.1	1869.1	1684.4
50°	2523.6	2493.5	2497.5	2501.5	2435.2	2369.0	2242.5	2114.0	2136.1	2158.2	2005.6
52.5°	2310.8	2284.7	2320.8	2354.9	2352.9	2350.9	2304.7	2256.6	2336.9	2415.2	2310.8
55°	1885.1	1903.2	1975.5	2047.8	2095.9	2142.1	2208.4	2272.6	2425.2	2575.8	2555.7
57.5°	1477.6	1517.8	1592.0	1664.3	1742.6	1818.9	1959.4	2100.0	2356.9	2611.9	2700.2
60°	991.8	1017.9	1148.4	1276.8	1349.1	1421.4	1574.0	1724.5	2073.9	2421.2	2652.1
62.5°	616.3	630.4	704.7	779.0	925.5	1072.1	1148.4	1222.6	1600.1	1975.5	2403.1
65°	379.4	375.4	405.5	433.6	578.2	720.7	770.9	819.1	1070.1	1319.0	1983.5
67.5°	226.9	224.9	240.9	257.0	323.2	389.5	467.8	546.1	634.4	720.7	1469.6
70°	184.7	188.7	194.7	200.8	218.8	236.9	309.2	381.4	379.4	377.4	883.3
72.5°	154.6	158.6	170.6	180.7	194.7	206.8	248.9	289.1	271.0	253.0	421.6
75°	114.4	116.4	132.5	146.6	168.6	188.7	198.8	206.8	198.8	190.7	212.8
77.5°	76.3	76.3	90.3	104.4	126.5	148.6	160.6	172.7	158.6	144.5	150.6
80°	48.2	48.2	56.2	62.2	84.3	106.4	120.5	134.5	122.5	108.4	106.4
82.5°	28.1	30.1	34.1	38.1	52.2	66.3	76.3	86.3	100.4	112.4	90.3
85°	12.0	14.1	18.1	20.1	28.1	34.1	40.2	46.2	58.2	70.3	58.2
87.5°	2.0	2.0	4.0	6.0	8.0	10.0	10.0	10.0	10.0	8.0	10.0
90°	0.0	0.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
2.5°	668.5	666.5	664.5	664.5	664.5	662.5	660.5	660.5	660.5	658.5	656.5
5°	552.1	602.3	652.5	654.5	658.5	656.5	654.5	652.5	650.5	648.5	644.4
7.5°	546.1	542.1	538.0	524.0	572.2	572.2	570.2	570.2	566.1	550.1	534.0
10°	417.6	415.6	411.6	417.6	427.6	461.8	493.9	491.9	485.8	447.7	409.6
12.5°	395.5	401.5	407.5	387.5	349.3	381.4	413.6	409.6	405.5	371.4	335.3
15°	335.3	339.3	343.3	375.4	433.6	463.8	491.9	487.8	483.8	443.7	401.5
17.5°	411.6	395.5	379.4	401.5	381.4	395.5	409.6	393.5	381.4	365.4	349.3
20°	395.5	353.3	311.2	375.4	449.7	473.8	497.9	491.9	479.8	441.7	401.5
22.5°	371.4	413.6	453.7	433.6	397.5	375.4	353.3	343.3	335.3	337.3	339.3
25°	471.8	417.6	361.4	457.7	516.0	524.0	530.0	511.9	491.9	449.7	405.5
27.5°	415.6	455.7	493.9	532.0	552.1	558.1	562.1	588.2	546.1	489.9	433.6
30°	524.0	558.1	592.2	676.6	744.8	756.9	768.9	738.8	704.7	636.4	568.2
32.5°	576.2	654.5	730.8	770.9	799.0	809.1	819.1	779.0	740.8	652.5	562.1
35°	684.6	742.8	801.0	847.2	901.4	903.4	905.4	861.3	813.1	684.6	556.1
37.5°	750.8	827.1	901.4	953.6	1037.9	1031.9	1025.9	973.7	915.5	734.8	554.1
40°	851.2	949.6	1046.0	1096.2	1198.5	1180.5	1162.4	1102.2	1037.9	789.0	540.0
42.5°	1013.8	1118.2	1222.6	1264.8	1377.2	1357.1	1335.1	1254.8	1172.4	833.2	493.9
45°	1230.7	1325.0	1419.4	1493.7	1582.0	1549.9	1517.8	1431.4	1311.0	871.3	431.6
47.5°	1497.7	1567.9	1638.2	1784.8	1849.0	1784.8	1718.5	1614.1	1461.5	903.4	345.3
50°	1853.0	1869.1	1883.1	2065.8	2130.1	2031.7	1933.3	1798.8	1616.1	939.6	261.0
52.5°	2204.4	2174.2	2142.1	2338.9	2363.0	2232.5	2100.0	1959.4	1730.6	959.6	186.7
55°	2535.6	2493.5	2449.3	2589.8	2573.8	2401.1	2228.4	2057.8	1800.8	965.7	130.5
57.5°	2788.6	2762.5	2734.4	2798.6	2738.4	2535.6	2332.8	2162.2	1853.0	975.7	96.4
60°	2880.9	2939.1	2997.4	2989.3	2878.9	2664.1	2449.3	2268.6	1885.1	979.7	72.3
62.5°	2830.7	3019.4	3206.2	3129.9	2995.4	2768.5	2539.6	2365.0	1899.2	977.7	56.2
65°	2648.0	3011.4	3372.8	3246.3	3077.7	2850.8	2623.9	2467.4	1915.3	979.7	44.2
67.5°	2216.4	2818.7	3419.0	3338.7	3145.9	2905.0	2662.1	2535.6	1907.2	971.7	36.1
70°	1387.3	2294.7	3202.1	3264.4	3145.9	2880.9	2615.9	2515.5	1835.0	931.5	28.1
72.5°	588.2	1620.1	2652.1	2923.1	3005.4	2748.4	2491.4	2367.0	1680.4	851.2	22.1
75°	232.9	931.5	1630.2	2059.8	2312.8	2204.4	2093.9	1927.3	1102.2	560.1	16.1
77.5°	156.6	425.6	694.6	1011.8	1206.6	1248.7	1290.9	1100.2	439.7	226.9	12.0
80°	104.4	170.6	236.9	363.4	433.6	409.6	383.5	315.2	134.5	72.3	10.0
82.5°	66.3	88.3	110.4	124.5	128.5	92.4	56.2	46.2	16.1	12.0	6.0
85°	44.2	52.2	60.2	62.2	62.2	44.2	24.1	12.0	6.0	6.0	4.0
87.5°	12.0	14.1	14.1	14.1	10.0	8.0	6.0	4.0	4.0	4.0	4.0
90°	6.0	8.0	8.0	8.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5	666.5
2.5°	656.5	656.5	654.5	652.5	652.5	650.5	630.4	608.3	588.2	566.1	564.1
5°	618.3	590.2	564.1	538.0	534.0	528.0	528.0	526.0	526.0	524.0	524.0
7.5°	530.0	526.0	522.0	518.0	516.0	511.9	509.9	505.9	503.9	499.9	477.8
10°	401.5	391.5	391.5	389.5	393.5	397.5	395.5	391.5	417.6	443.7	441.7
12.5°	357.4	377.4	359.4	339.3	345.3	349.3	355.3	361.4	359.4	355.3	325.2
15°	359.4	315.2	301.1	285.1	293.1	299.1	246.9	192.7	182.7	172.7	160.6
17.5°	335.3	321.2	311.2	299.1	228.9	156.6	140.5	124.5	110.4	94.4	92.4
20°	339.3	275.0	257.0	236.9	182.7	128.5	98.4	68.3	60.2	52.2	60.2
22.5°	331.3	321.2	234.9	148.6	110.4	72.3	60.2	46.2	50.2	54.2	54.2
25°	311.2	216.8	168.6	120.5	84.3	46.2	48.2	48.2	44.2	38.1	42.2
27.5°	337.3	238.9	152.6	64.2	56.2	46.2	42.2	36.1	36.1	36.1	34.1
30°	389.5	208.8	130.5	52.2	44.2	36.1	34.1	32.1	30.1	26.1	28.1
32.5°	369.4	176.7	110.4	44.2	38.1	32.1	28.1	24.1	24.1	24.1	24.1
35°	335.3	112.4	76.3	38.1	32.1	26.1	24.1	20.1	20.1	20.1	20.1
37.5°	313.2	72.3	52.2	30.1	26.1	22.1	20.1	16.1	16.1	16.1	18.1
40°	295.1	50.2	38.1	26.1	22.1	16.1	14.1	12.0	14.1	14.1	14.1
42.5°	269.0	42.2	32.1	22.1	18.1	14.1	12.0	10.0	12.0	12.0	12.0
45°	234.9	38.1	28.1	18.1	16.1	12.0	10.0	8.0	10.0	10.0	10.0
47.5°	188.7	32.1	24.1	16.1	14.1	10.0	10.0	8.0	8.0	8.0	8.0
50°	146.6	30.1	22.1	14.1	12.0	8.0	8.0	6.0	8.0	8.0	8.0
52.5°	106.4	26.1	20.1	12.0	10.0	6.0	6.0	6.0	6.0	6.0	6.0
55°	76.3	22.1	16.1	10.0	8.0	6.0	6.0	4.0	6.0	6.0	6.0
57.5°	58.2	20.1	14.1	8.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0
60°	46.2	18.1	14.1	8.0	6.0	4.0	4.0	2.0	4.0	4.0	4.0
62.5°	36.1	14.1	12.0	8.0	6.0	4.0	4.0	2.0	4.0	4.0	4.0
65°	28.1	12.0	10.0	6.0	4.0	2.0	2.0	2.0	4.0	4.0	4.0
67.5°	24.1	10.0	8.0	6.0	4.0	2.0	4.0	4.0	4.0	4.0	4.0
70°	20.1	10.0	8.0	6.0	4.0	2.0	4.0	4.0	6.0	6.0	4.0
72.5°	16.1	8.0	6.0	4.0	4.0	2.0	4.0	4.0	6.0	6.0	4.0
75°	12.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	4.0
77.5°	10.0	6.0	6.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0
80°	8.0	4.0	4.0	4.0	2.0	0.0	4.0	8.0	8.0	6.0	6.0
82.5°	6.0	4.0	4.0	4.0	2.0	0.0	4.0	8.0	8.0	6.0	6.0
85°	4.0	4.0	4.0	4.0	4.0	2.0	6.0	8.0	8.0	6.0	6.0
87.5°	4.0	4.0	4.0	4.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0
90°	4.0	4.0	6.0	6.0	4.0	2.0	4.0	6.0	6.0	6.0	6.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	666.5	666.5	666.5	666.5
2.5°	560.1	564.1	566.1	562.1
5°	522.0	522.0	520.0	526.0
7.5°	453.7	441.7	427.6	417.6
10°	437.7	427.6	417.6	419.6
12.5°	293.1	263.0	232.9	242.9
15°	148.6	140.5	132.5	132.5
17.5°	88.3	80.3	70.3	72.3
20°	66.3	66.3	66.3	66.3
22.5°	52.2	50.2	46.2	44.2
25°	44.2	44.2	44.2	44.2
27.5°	32.1	32.1	30.1	28.1
30°	28.1	28.1	28.1	26.1
32.5°	22.1	24.1	24.1	24.1
35°	20.1	20.1	20.1	20.1
37.5°	18.1	18.1	16.1	16.1
40°	14.1	14.1	14.1	14.1
42.5°	12.0	12.0	12.0	12.0
45°	10.0	10.0	10.0	10.0
47.5°	8.0	8.0	8.0	8.0
50°	8.0	8.0	6.0	6.0
52.5°	6.0	6.0	4.0	4.0
55°	4.0	4.0	4.0	4.0
57.5°	4.0	4.0	2.0	2.0
60°	4.0	4.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0
65°	2.0	2.0	0.0	0.0
67.5°	2.0	2.0	0.0	0.0
70°	2.0	2.0	0.0	0.0
72.5°	2.0	2.0	0.0	0.0
75°	2.0	2.0	0.0	0.0
77.5°	4.0	2.0	0.0	0.0
80°	4.0	4.0	2.0	0.0
82.5°	4.0	4.0	2.0	0.0
85°	4.0	4.0	2.0	0.0
87.5°	4.0	4.0	2.0	0.0
90°	4.0	4.0	2.0	0.0

(END OF REPORT)