

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: P561010

Luminaire Tested: **SDL-PA1-70-830-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561010
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-10)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-830-U-T4W-HSS
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4892 lumens
Efficiency: N/A
Efficacy: 67.8 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): 72.2
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

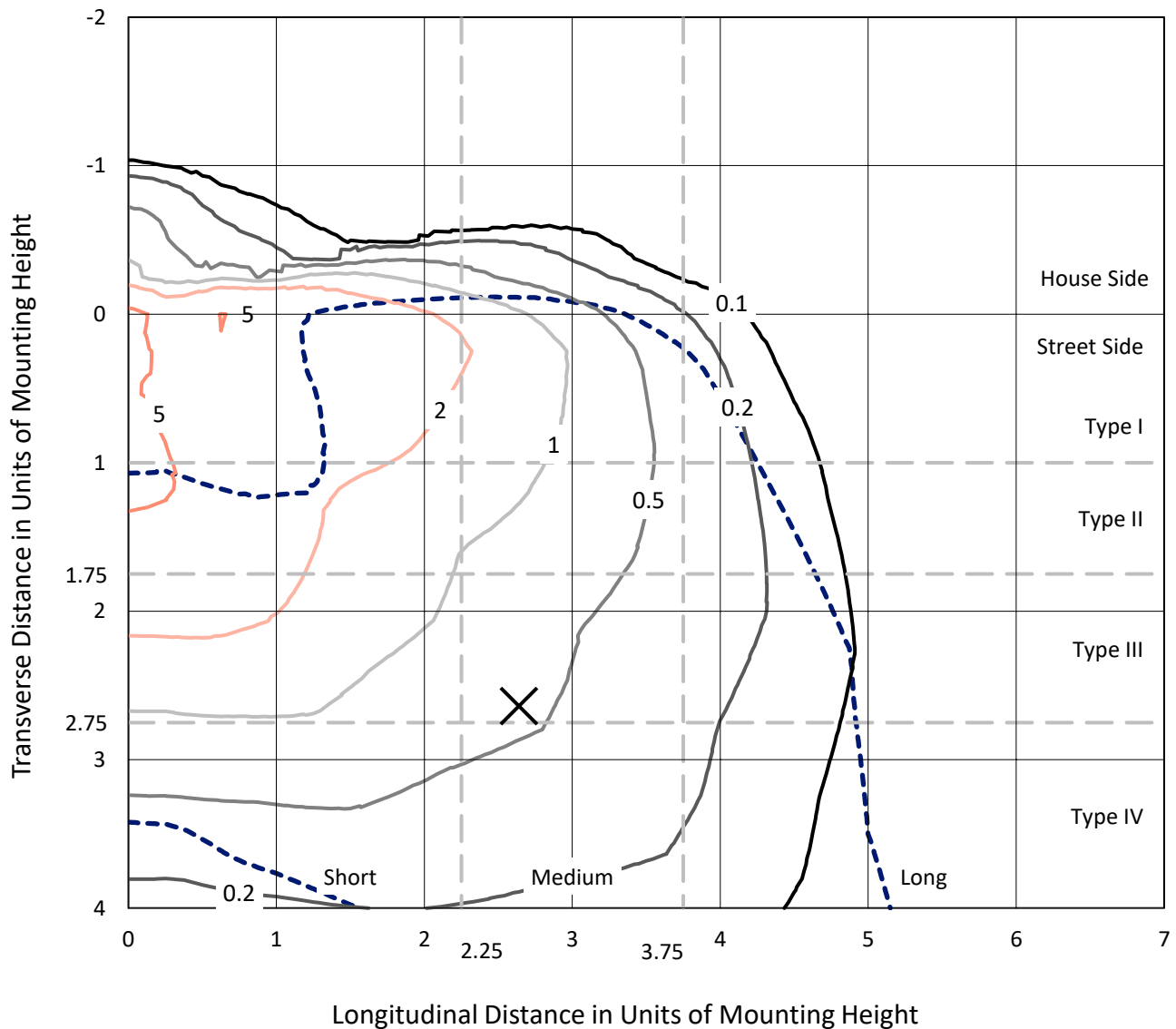


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

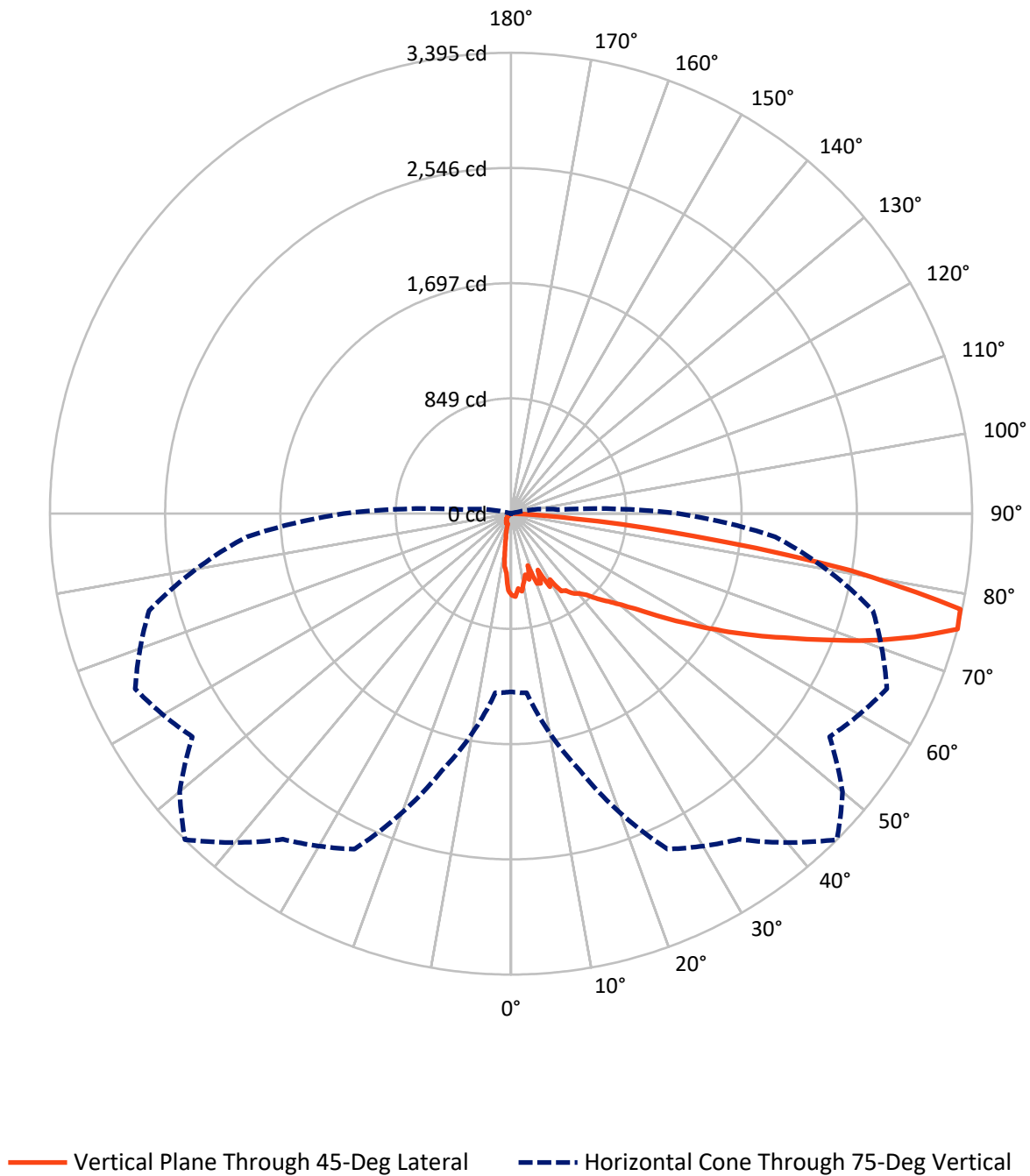


Based on 10 foot mounting height. Maximum calculated value = 6.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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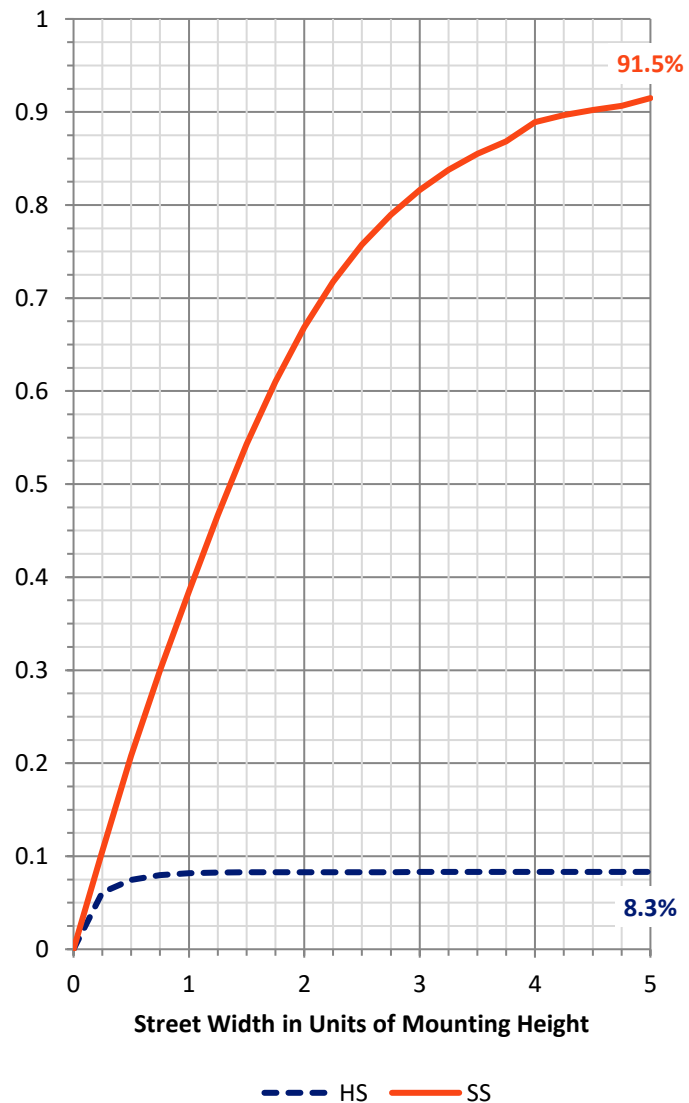
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	410.7	0.0	410.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4481.3	0.0	4481.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	4892.0	0.0	4892.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.6	1.0
10°-20°	102.4	2.1
20°-30°	173.2	3.5
30°-40°	318.9	6.5
40°-50°	523.3	10.7
50°-60°	931.4	19.0
60°-70°	1393.6	28.5
70°-80°	1240.7	25.4
80°-90°	162.1	3.3
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°	4892.0	100.0
0°-180°	4892.0	100.0

Coefficient of Utilization



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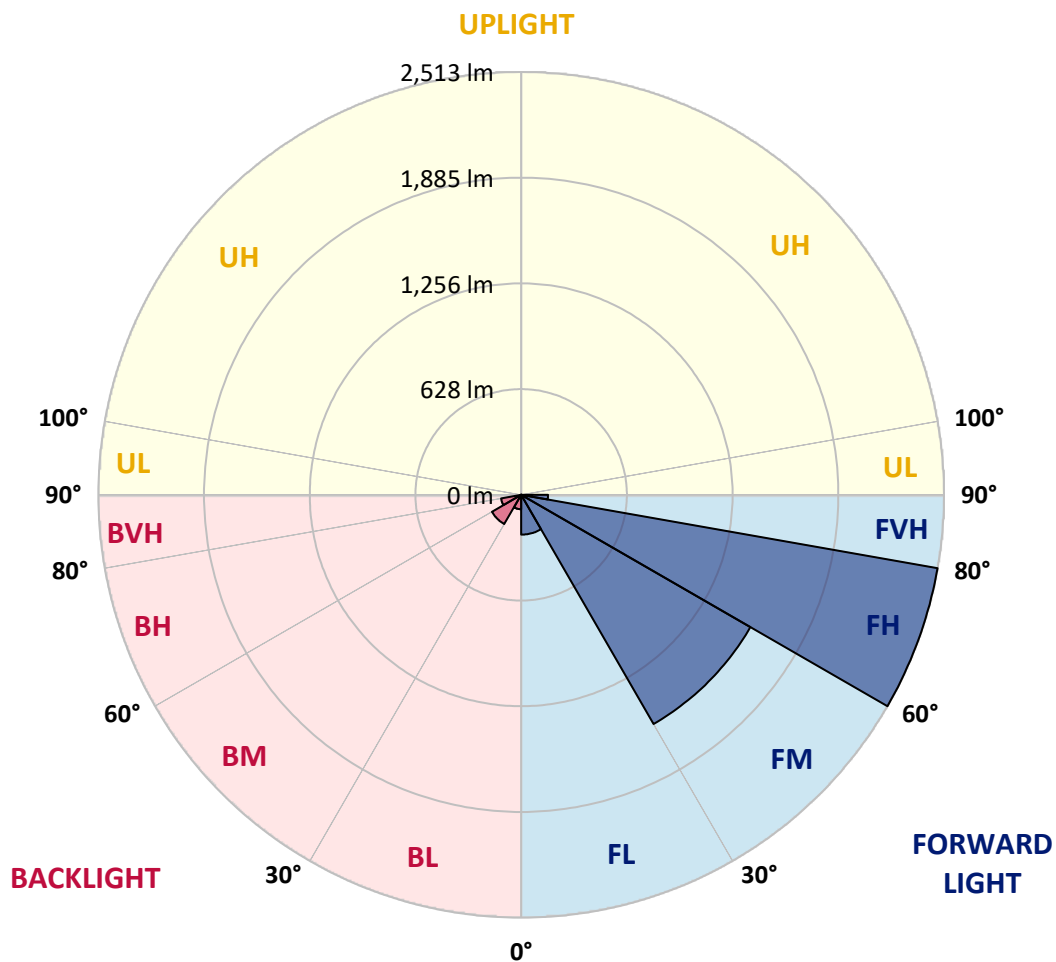
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	236.5	4.8			
FM	(30°-60°)	1572.6	32.1			
FH	(60°-80°)	2512.7	51.4			G2/5000
FVH	(80°-90°)	159.6	3.3			G2/225
BL	(0°-30°)	85.7	1.8	B0/110		
BM	(30°-60°)	200.9	4.1	B0/220		
BH	(60°-80°)	121.6	2.5	B1/500		G1/500
BVH	(80°-90°)	2.5	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-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	558.0	599.8	604.7	607.2	612.1	614.6	614.6	614.6	614.6	612.1	612.1
5°	590.0	587.5	585.1	582.6	580.2	575.2	570.3	563.0	558.0	553.1	548.2
7.5°	577.7	580.2	587.5	592.5	590.0	587.5	592.5	594.9	587.5	577.7	567.9
10°	673.6	668.7	663.7	658.8	651.5	644.1	585.1	526.1	521.2	513.8	508.9
12.5°	590.0	663.7	663.7	663.7	663.7	663.7	624.4	585.1	523.6	462.2	390.9
15°	737.5	735.0	725.2	715.4	649.0	580.2	543.3	506.4	506.4	504.0	474.5
17.5°	612.1	612.1	661.3	708.0	681.0	653.9	602.3	550.7	476.9	400.7	430.2
20°	774.4	774.4	764.5	754.7	641.6	528.5	533.5	538.4	543.3	548.2	454.8
22.5°	636.7	631.8	626.9	622.0	634.2	646.5	545.7	442.5	501.5	558.0	435.1
25°	776.8	784.2	779.3	771.9	671.1	570.3	592.5	612.1	535.9	459.7	533.5
27.5°	666.2	658.8	649.0	636.7	644.1	651.5	604.7	555.6	582.6	609.7	489.2
30°	816.2	818.6	813.7	808.8	712.9	617.0	614.6	609.7	587.5	563.0	550.7
32.5°	1010.4	990.7	921.9	853.0	794.0	735.0	688.3	641.6	661.3	678.5	612.1
35°	1103.8	1066.9	1037.4	1005.5	907.1	806.3	749.8	690.8	693.2	695.7	668.7
37.5°	1194.7	1140.7	1103.8	1066.9	948.9	830.9	769.5	708.0	727.7	744.9	715.4
40°	1226.7	1197.2	1175.1	1153.0	1027.6	899.7	828.5	754.7	764.5	771.9	762.1
42.5°	1307.8	1302.9	1290.6	1275.9	1125.9	973.5	887.5	801.4	811.2	818.6	813.7
45°	1502.0	1494.7	1494.7	1492.2	1298.0	1101.3	988.2	875.2	885.0	894.8	889.9
47.5°	1752.8	1740.5	1725.7	1708.5	1502.0	1293.1	1130.8	966.1	966.1	966.1	973.5
50°	2015.8	1998.6	1966.7	1932.2	1723.3	1514.3	1307.8	1101.3	1079.2	1054.6	1081.7
52.5°	2288.7	2259.2	2205.1	2148.6	1964.2	1779.8	1546.3	1310.3	1243.9	1175.1	1209.5
55°	2436.2	2404.2	2367.4	2328.0	2178.1	2025.7	1787.2	1548.7	1445.5	1339.8	1376.7
57.5°	2556.7	2549.3	2532.1	2514.9	2399.3	2283.8	2045.3	1804.4	1664.3	1524.2	1556.1
60°	2721.4	2711.5	2718.9	2726.3	2637.8	2549.3	2323.1	2094.5	1915.0	1733.1	1723.3
62.5°	2844.3	2841.8	2878.7	2915.6	2868.9	2819.7	2566.5	2310.8	2136.3	1959.3	1910.1
65°	2731.2	2763.1	2900.8	3038.5	3031.1	3021.3	2785.3	2546.8	2374.7	2200.2	2136.3
67.5°	2492.7	2507.5	2711.5	2913.1	3001.6	3087.6	2920.5	2750.9	2615.6	2478.0	2360.0
70°	2269.0	2301.0	2480.4	2659.9	2888.5	3117.1	2984.4	2851.6	2824.6	2795.1	2642.7
72.5°	2052.7	2109.2	2276.4	2443.6	2748.4	3050.8	2972.1	2893.4	2999.1	3104.9	2922.9
75°	1312.7	1325.0	1642.2	1956.8	2342.8	2726.3	2827.1	2927.9	3161.4	3394.9	3186.0
77.5°	383.5	425.3	663.7	902.2	1344.7	1784.7	2128.9	2473.1	2927.9	3382.6	3127.0
80°	130.3	140.1	174.5	206.5	442.5	678.5	1076.7	1472.5	2001.1	2529.6	2350.2
82.5°	63.9	66.4	83.6	98.3	150.0	201.6	405.6	607.2	980.9	1352.1	1384.0
85°	19.7	19.7	29.5	39.3	63.9	88.5	152.4	213.9	339.2	462.2	390.9
87.5°	4.9	4.9	7.4	9.8	14.7	19.7	19.7	19.7	14.7	9.8	12.3
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°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	614.6	614.6	614.6	612.1	607.2	604.7	599.8	594.9	590.0	587.5	582.6
5°	540.8	572.8	602.3	604.7	604.7	597.4	590.0	582.6	575.2	567.9	560.5
7.5°	555.6	538.4	521.2	523.6	526.1	523.6	518.7	506.4	496.6	476.9	454.8
10°	445.0	432.7	417.9	422.8	427.7	440.0	452.3	442.5	427.7	390.9	351.5
12.5°	437.6	435.1	430.2	393.3	354.0	373.7	390.9	381.0	366.3	329.4	290.1
15°	373.7	376.1	376.1	413.0	449.9	464.6	476.9	464.6	447.4	398.2	346.6
17.5°	481.8	457.2	432.7	417.9	400.7	405.6	410.5	356.5	373.7	341.7	307.3
20°	499.0	417.9	336.8	403.2	469.5	491.7	513.8	501.5	479.4	400.7	319.6
22.5°	454.8	484.3	513.8	472.0	430.2	403.2	373.7	361.4	346.6	312.2	277.8
25°	563.0	481.8	398.2	476.9	553.1	558.0	563.0	540.8	516.2	417.9	319.6
27.5°	504.0	531.0	555.6	572.8	590.0	612.1	634.2	609.7	550.7	435.1	317.1
30°	599.8	636.7	673.6	730.1	786.7	803.9	818.6	791.6	744.9	550.7	354.0
32.5°	626.9	700.6	774.4	796.5	816.2	838.3	860.4	838.3	781.7	545.7	307.3
35°	700.6	752.2	801.4	835.8	870.2	889.9	909.6	894.8	818.6	538.4	258.1
37.5°	722.7	791.6	858.0	897.3	934.2	951.4	966.1	966.1	858.0	533.5	206.5
40°	757.2	843.2	929.2	966.1	1000.5	1027.6	1052.2	1062.0	902.2	531.0	157.3
42.5°	826.0	902.2	978.4	1037.4	1094.0	1133.3	1172.6	1180.0	953.8	538.4	120.5
45°	899.7	980.9	1062.0	1140.7	1219.3	1275.9	1329.9	1325.0	1015.3	558.0	98.3
47.5°	1005.5	1081.7	1157.9	1290.6	1420.9	1475.0	1526.6	1492.2	1079.2	582.6	86.0
50°	1113.6	1207.0	1300.4	1470.1	1637.2	1686.4	1733.1	1661.8	1140.7	612.1	81.1
52.5°	1253.7	1364.4	1475.0	1669.2	1863.4	1907.7	1951.9	1806.9	1187.4	631.8	76.2
55°	1418.4	1561.0	1703.6	1888.0	2069.9	2121.5	2173.2	1949.4	1209.5	641.6	73.7
57.5°	1617.6	1782.3	1944.5	2114.2	2281.3	2352.6	2421.4	2089.6	1219.3	644.1	68.8
60°	1811.8	1993.7	2175.6	2320.7	2465.7	2576.3	2684.5	2227.2	1214.4	639.2	61.5
62.5°	1991.2	2192.8	2391.9	2527.2	2662.4	2795.1	2927.9	2337.9	1182.5	617.0	49.2
65°	2178.1	2391.9	2603.4	2721.4	2839.4	3011.4	3181.1	2433.7	1138.2	587.5	34.4
67.5°	2347.7	2551.7	2755.8	2888.5	3021.3	3190.9	3358.1	2458.3	1074.3	550.7	24.6
70°	2490.3	2711.5	2930.3	3065.5	3200.7	3286.8	3370.4	2350.2	946.5	481.8	17.2
72.5°	2686.9	2886.1	3082.7	3151.6	3217.9	3068.0	2915.6	1959.3	710.5	363.8	14.7
75°	2863.9	2959.8	3053.2	2905.7	2758.2	2355.1	1951.9	1234.1	346.6	181.9	14.7
77.5°	2684.5	2632.9	2581.2	2128.9	1674.1	1243.9	811.2	484.3	108.2	59.0	9.8
80°	1944.5	1708.5	1470.1	1017.7	563.0	376.1	186.8	108.2	27.0	17.2	7.4
82.5°	1047.2	808.8	567.9	366.3	164.7	110.6	54.1	36.9	12.3	9.8	4.9
85°	378.6	299.9	218.8	169.6	120.5	71.3	19.7	12.3	7.4	7.4	4.9
87.5°	34.4	39.3	44.2	34.4	22.1	14.7	4.9	4.9	4.9	4.9	2.5
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°	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8	599.8
2.5°	580.2	577.7	575.2	570.3	567.9	565.4	548.2	531.0	511.3	491.7	491.7
5°	528.5	496.6	479.4	462.2	449.9	437.6	435.1	430.2	425.3	420.4	417.9
7.5°	442.5	430.2	420.4	410.5	398.2	386.0	373.7	361.4	351.5	341.7	319.6
10°	331.9	312.2	297.5	282.7	275.3	265.5	250.7	233.5	233.5	233.5	231.1
12.5°	287.6	285.2	248.3	209.0	196.7	184.4	181.9	179.5	174.5	167.2	157.3
15°	285.2	221.2	189.3	154.9	147.5	137.7	122.9	105.7	103.2	98.3	110.6
17.5°	258.1	209.0	172.1	135.2	108.2	81.1	86.0	88.5	100.8	110.6	118.0
20°	233.5	147.5	122.9	95.9	88.5	78.7	83.6	88.5	86.0	81.1	93.4
22.5°	218.8	157.3	115.5	73.7	78.7	83.6	78.7	71.3	83.6	95.9	103.2
25°	211.4	100.8	91.0	78.7	73.7	68.8	78.7	86.0	81.1	76.2	91.0
27.5°	209.0	100.8	86.0	68.8	73.7	78.7	76.2	71.3	81.1	88.5	86.0
30°	223.7	91.0	81.1	71.3	68.8	66.4	71.3	76.2	76.2	73.7	86.0
32.5°	199.1	91.0	81.1	68.8	68.8	66.4	66.4	66.4	73.7	81.1	86.0
35°	172.1	83.6	76.2	66.4	63.9	61.5	63.9	63.9	71.3	76.2	86.0
37.5°	142.6	78.7	71.3	61.5	59.0	56.5	56.5	54.1	61.5	68.8	76.2
40°	115.5	73.7	66.4	56.5	54.1	51.6	51.6	51.6	56.5	59.0	63.9
42.5°	95.9	68.8	61.5	51.6	49.2	46.7	46.7	44.2	46.7	49.2	51.6
45°	83.6	66.4	59.0	49.2	46.7	41.8	39.3	36.9	36.9	36.9	36.9
47.5°	73.7	61.5	56.5	49.2	44.2	36.9	34.4	29.5	27.0	24.6	22.1
50°	68.8	56.5	51.6	44.2	39.3	32.0	27.0	22.1	19.7	14.7	14.7
52.5°	63.9	51.6	46.7	39.3	32.0	24.6	19.7	12.3	12.3	9.8	9.8
55°	61.5	49.2	41.8	34.4	27.0	17.2	12.3	7.4	7.4	4.9	4.9
57.5°	59.0	46.7	39.3	29.5	19.7	9.8	7.4	4.9	4.9	4.9	4.9
60°	51.6	41.8	32.0	19.7	12.3	4.9	4.9	2.5	4.9	4.9	4.9
62.5°	41.8	32.0	22.1	12.3	7.4	2.5	2.5	2.5	4.9	4.9	4.9
65°	29.5	22.1	14.7	7.4	4.9	2.5	2.5	2.5	2.5	2.5	2.5
67.5°	22.1	17.2	12.3	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
70°	14.7	12.3	9.8	4.9	4.9	2.5	2.5	2.5	2.5	2.5	2.5
72.5°	12.3	9.8	7.4	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
75°	12.3	9.8	7.4	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5
77.5°	9.8	7.4	4.9	2.5	2.5	0.0	2.5	4.9	4.9	4.9	4.9
80°	7.4	4.9	4.9	2.5	2.5	0.0	2.5	4.9	4.9	4.9	4.9
82.5°	4.9	4.9	4.9	2.5	2.5	0.0	4.9	7.4	7.4	4.9	4.9
85°	4.9	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4	7.4	4.9
87.5°	2.5	2.5	2.5	2.5	2.5	2.5	4.9	7.4	7.4	7.4	4.9
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°	599.8	599.8	599.8	599.8
2.5°	489.2	489.2	486.7	486.7
5°	413.0	413.0	410.5	410.5
7.5°	297.5	292.5	285.2	287.6
10°	228.6	223.7	218.8	223.7
12.5°	147.5	150.0	150.0	142.6
15°	120.5	130.3	137.7	137.7
17.5°	125.4	125.4	122.9	122.9
20°	105.7	115.5	125.4	125.4
22.5°	108.2	103.2	98.3	98.3
25°	103.2	110.6	115.5	115.5
27.5°	83.6	86.0	88.5	88.5
30°	95.9	100.8	103.2	103.2
32.5°	91.0	95.9	98.3	100.8
35°	93.4	98.3	100.8	100.8
37.5°	83.6	86.0	88.5	88.5
40°	66.4	68.8	71.3	71.3
42.5°	51.6	51.6	49.2	51.6
45°	34.4	34.4	32.0	34.4
47.5°	19.7	19.7	19.7	19.7
50°	12.3	12.3	12.3	12.3
52.5°	7.4	7.4	7.4	7.4
55°	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	2.5	2.5
60°	2.5	2.5	2.5	2.5
62.5°	2.5	2.5	0.0	0.0
65°	0.0	0.0	0.0	0.0
67.5°	0.0	0.0	0.0	0.0
70°	0.0	0.0	0.0	0.0
72.5°	0.0	0.0	0.0	0.0
75°	2.5	2.5	0.0	0.0
77.5°	2.5	2.5	0.0	0.0
80°	2.5	2.5	0.0	0.0
82.5°	2.5	2.5	0.0	0.0
85°	2.5	2.5	2.5	0.0
87.5°	2.5	2.5	2.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)