

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: P560695

Luminaire Tested: **SDL-PA1-60-727-U-T2U**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-8)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T2U
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6342.2 lumens
Efficiency: N/A
Efficacy: 101.6 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Medium
BUG Rating: B2 - 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

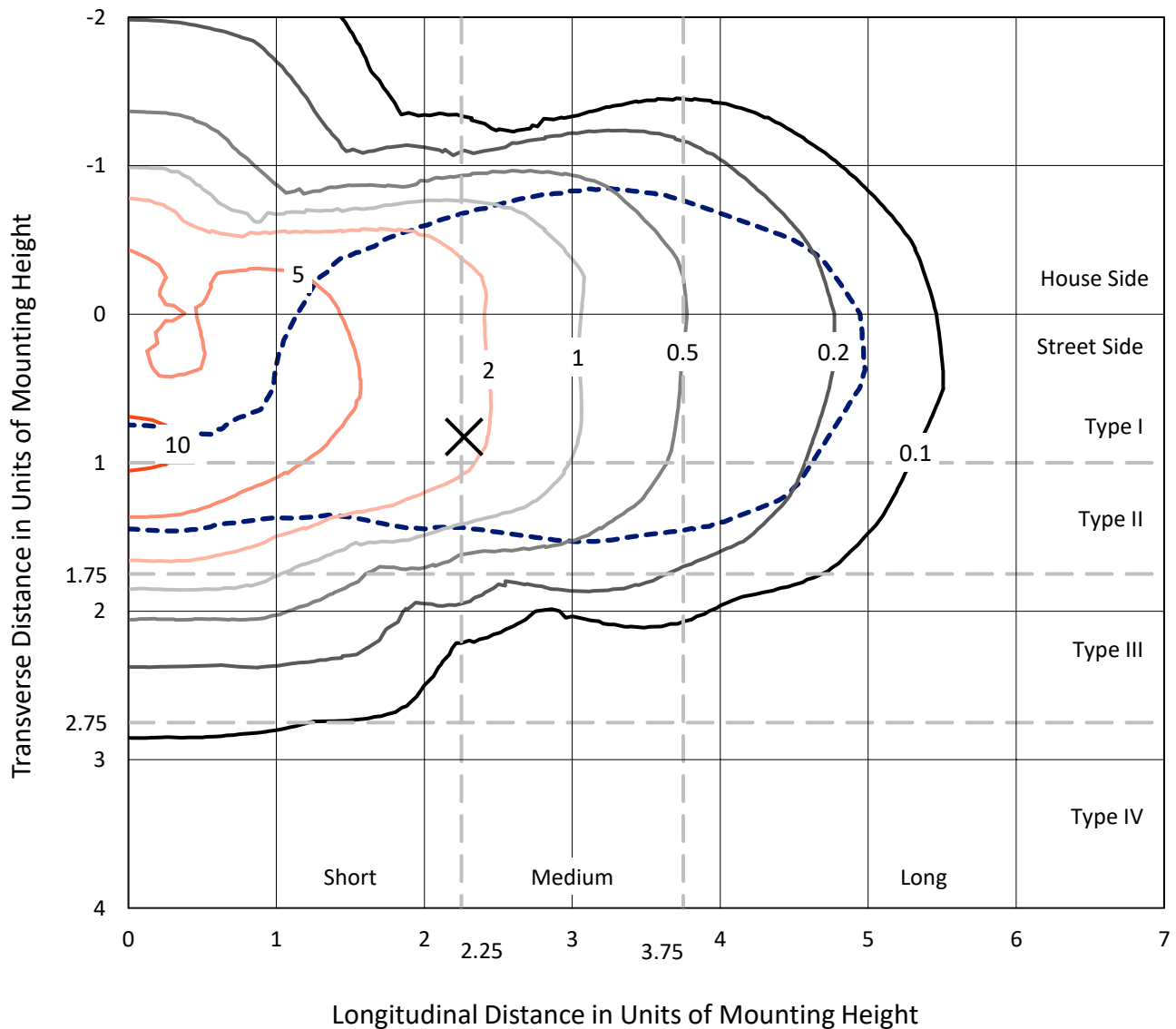


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

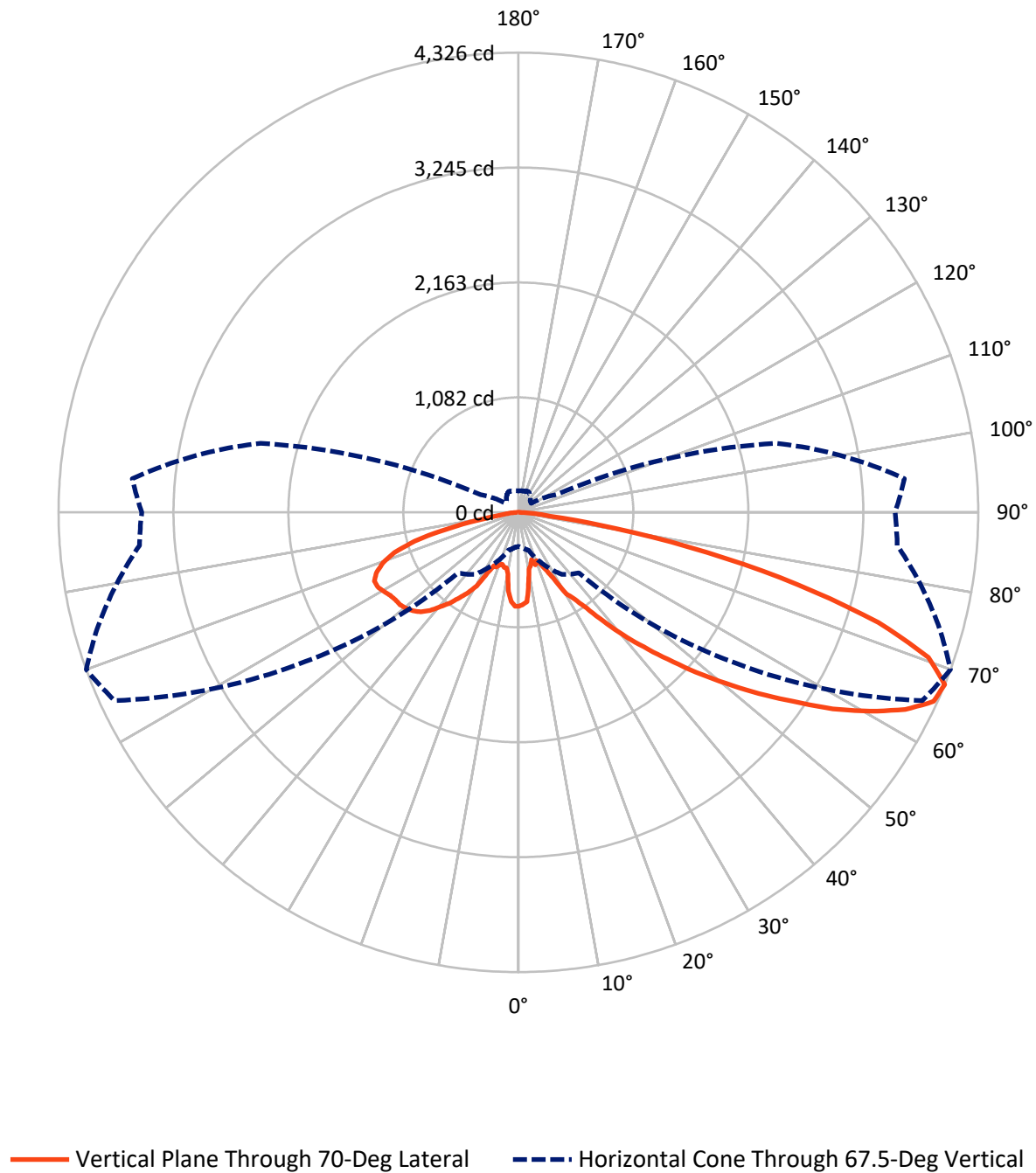


Based on 10 foot mounting height. Maximum calculated value = 11.5 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



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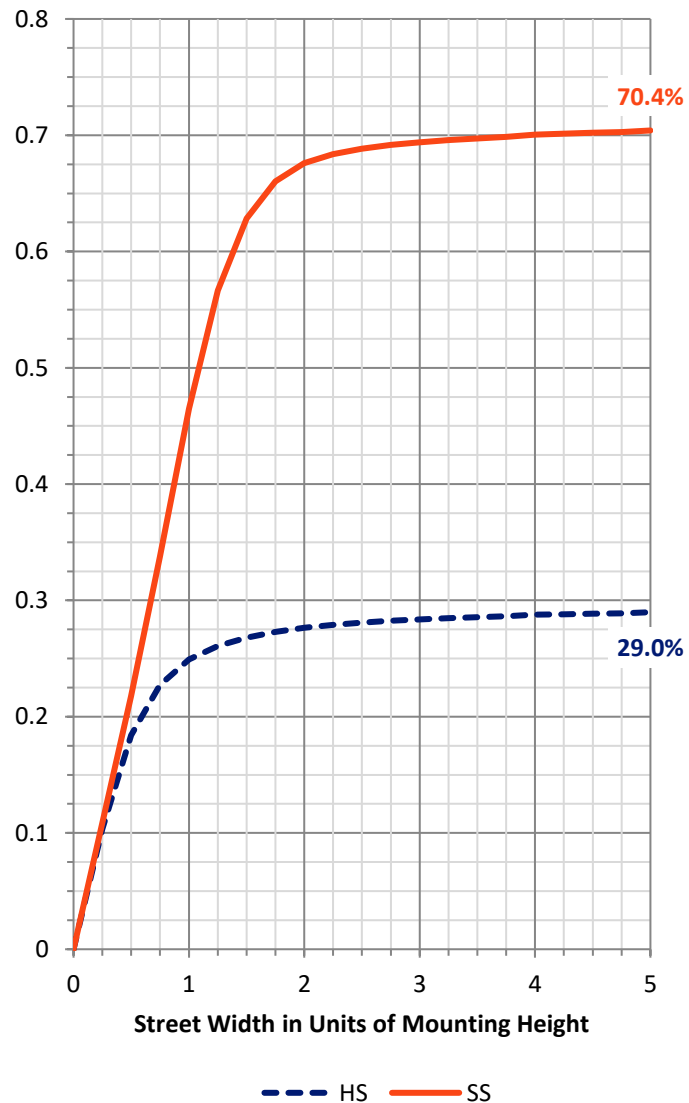
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1859.9	0.0	1859.9
	% Fixture	29.3	0.0	29.3
Street Side	Lumens	4482.3	0.0	4482.3
	% Fixture	70.7	0.0	70.7
Total	Lumens	6342.2	0.0	6342.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.8	1.1
10°-20°	166.1	2.6
20°-30°	295.0	4.7
30°-40°	623.6	9.8
40°-50°	1141.7	18.0
50°-60°	1557.5	24.6
60°-70°	1468.3	23.2
70°-80°	888.6	14.0
80°-90°	130.5	2.1
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°	6342.2	100.0
0°-180°	6342.2	100.0

Coefficient of Utilization



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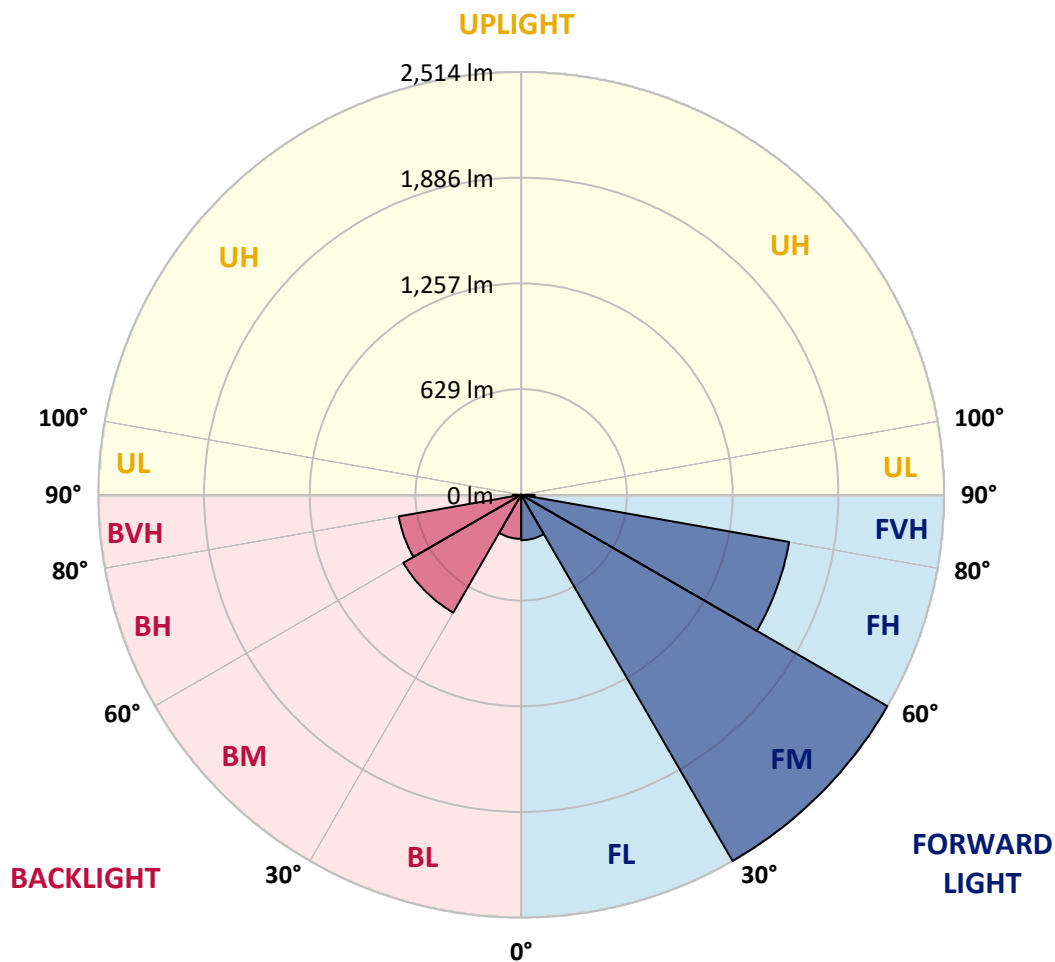
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	269.9	4.3			
FM	(30°-60°)	2514.3	39.6			
FH	(60°-80°)	1618.1	25.5			G1/1800
FVH	(80°-90°)	80.0	1.3			G1/100
BL	(0°-30°)	262.0	4.1	B1/500		
BM	(30°-60°)	808.5	12.7	B1/1000		
BH	(60°-80°)	738.9	11.7	B2/1000		G2/1000
BVH	(80°-90°)	50.5	0.8			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1
2.5°	741.6	748.4	794.1	839.7	842.0	842.0	844.3	846.6	853.4	858.0	862.5
5°	691.4	696.0	696.0	696.0	698.2	700.5	702.8	702.8	707.4	709.6	714.2
7.5°	579.6	625.2	641.2	654.9	664.0	670.9	675.4	680.0	684.5	689.1	693.7
10°	659.4	659.4	661.7	661.7	661.7	659.4	613.8	565.9	588.7	611.5	577.3
12.5°	543.1	552.2	593.3	632.1	643.5	652.6	629.8	604.7	563.6	522.5	518.0
15°	645.8	645.8	645.8	643.5	602.4	559.0	515.7	470.1	497.4	524.8	483.7
17.5°	559.0	559.0	593.3	625.2	622.9	618.4	579.6	538.5	474.6	408.4	460.9
20°	705.1	702.8	691.4	677.7	593.3	508.8	527.1	545.4	549.9	552.2	536.2
22.5°	629.8	632.1	645.8	659.4	661.7	664.0	565.9	465.5	522.5	579.6	524.8
25°	876.2	871.7	851.1	828.3	734.7	638.9	657.2	675.4	581.9	486.0	545.4
27.5°	832.9	819.2	810.0	800.9	816.9	832.9	746.2	657.2	677.7	698.2	622.9
30°	1191.1	1191.1	1168.3	1143.2	1001.7	858.0	835.1	812.3	757.6	700.5	714.2
32.5°	1508.3	1508.3	1423.9	1337.2	1252.7	1168.3	1056.5	944.7	921.9	896.8	873.9
35°	1898.5	1887.1	1839.2	1789.0	1606.4	1423.9	1280.1	1136.3	1090.7	1045.1	1022.3
37.5°	2263.6	2238.5	2172.3	2103.8	1912.2	1718.2	1528.8	1339.4	1289.2	1239.0	1188.8
40°	2564.8	2551.1	2505.4	2457.5	2240.8	2024.0	1809.5	1592.7	1526.5	1460.4	1387.4
42.5°	2840.9	2829.5	2788.4	2745.0	2530.5	2313.8	2110.7	1905.3	1807.2	1709.1	1622.4
45°	3044.0	3025.7	2998.3	2968.7	2797.5	2624.1	2418.7	2211.1	2172.3	2133.5	1964.7
47.5°	3107.8	3075.9	3071.3	3066.8	2929.9	2793.0	2628.7	2464.4	2471.2	2478.1	2281.8
50°	3014.3	2966.4	2986.9	3007.4	2952.7	2895.6	2767.9	2640.1	2697.1	2751.9	2596.7
52.5°	2674.3	2662.9	2715.4	2765.6	2779.3	2793.0	2765.6	2735.9	2840.9	2945.8	2888.8
55°	2206.5	2256.7	2329.7	2402.8	2459.8	2514.6	2594.4	2674.3	2854.6	3034.8	3075.9
57.5°	1738.8	1791.2	1875.7	1960.1	2026.3	2092.4	2256.7	2421.0	2692.6	2964.1	3148.9
60°	1170.6	1225.3	1364.5	1501.4	1595.0	1688.6	1836.9	1985.2	2327.5	2669.7	3044.0
62.5°	780.4	762.1	878.5	992.6	1143.2	1293.8	1360.0	1423.9	1782.1	2138.1	2742.8
65°	479.2	481.5	527.1	570.5	737.0	901.3	953.8	1004.0	1207.1	1410.2	2233.9
67.5°	321.7	328.6	349.1	369.7	449.5	529.4	620.7	711.9	759.8	805.5	1629.2
70°	285.2	287.5	296.6	305.8	328.6	351.4	435.8	520.3	492.9	463.2	924.1
72.5°	251.0	253.3	269.3	282.9	294.4	305.8	356.0	406.2	374.2	342.3	460.9
75°	205.4	212.2	228.2	241.9	264.7	285.2	296.6	308.0	292.1	273.8	296.6
77.5°	168.9	173.4	184.8	196.2	219.1	239.6	251.0	262.4	237.3	212.2	225.9
80°	132.3	134.6	143.8	152.9	171.1	187.1	200.8	212.2	189.4	164.3	171.1
82.5°	79.9	82.1	95.8	107.2	123.2	136.9	146.0	152.9	159.7	164.3	143.8
85°	43.4	43.4	52.5	61.6	63.9	66.2	75.3	82.1	102.7	120.9	105.0
87.5°	6.8	6.8	9.1	9.1	13.7	16.0	18.3	18.3	20.5	20.5	22.8
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°	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1
2.5°	864.8	867.1	867.1	867.1	869.4	871.7	873.9	873.9	876.2	878.5	880.8
5°	718.8	778.1	835.1	844.3	851.1	855.7	860.2	862.5	867.1	871.7	873.9
7.5°	698.2	698.2	698.2	682.3	741.6	748.4	755.3	759.8	764.4	759.8	753.0
10°	540.8	540.8	538.5	543.1	568.2	611.5	652.6	657.2	661.7	625.2	586.4
12.5°	511.1	518.0	524.8	513.4	467.8	506.6	545.4	552.2	554.5	522.5	488.3
15°	440.4	442.7	445.0	460.9	554.5	593.3	632.1	638.9	645.8	611.5	575.0
17.5°	511.1	495.2	476.9	520.3	483.7	508.8	531.7	476.9	527.1	518.0	508.8
20°	520.3	465.5	408.4	486.0	568.2	607.0	643.5	648.0	650.3	622.9	593.3
22.5°	470.1	522.5	575.0	522.5	490.6	486.0	481.5	479.2	481.5	497.4	511.1
25°	604.7	538.5	472.3	593.3	668.6	686.8	705.1	696.0	691.4	657.2	622.9
27.5°	547.6	600.1	650.3	700.5	723.3	748.4	771.3	778.1	741.6	705.1	668.6
30°	725.6	757.6	787.2	889.9	965.2	988.0	1010.8	988.0	974.3	928.7	880.8
32.5°	848.8	912.7	976.6	974.3	1045.1	1063.3	1079.3	1049.6	1024.5	974.3	921.9
35°	999.4	1040.5	1081.6	1104.4	1175.1	1182.0	1188.8	1150.0	1113.5	1054.2	994.9
37.5°	1138.6	1191.1	1241.3	1298.4	1360.0	1346.3	1330.3	1282.4	1223.1	1177.4	1131.8
40°	1312.1	1375.9	1439.8	1512.9	1549.4	1528.8	1506.0	1433.0	1375.9	1328.0	1280.1
42.5°	1533.4	1601.8	1668.0	1731.9	1745.6	1722.8	1697.7	1617.8	1531.1	1483.2	1433.0
45°	1793.5	1848.3	1903.0	1969.2	1996.6	1955.5	1912.2	1811.8	1709.1	1640.6	1572.2
47.5°	2083.3	2108.4	2133.5	2247.6	2284.1	2215.7	2144.9	2035.4	1891.6	1802.6	1711.4
50°	2441.6	2434.7	2425.6	2526.0	2610.4	2496.3	2379.9	2252.2	2110.7	1985.2	1857.4
52.5°	2831.7	2765.6	2697.1	2831.7	2872.8	2735.9	2599.0	2462.1	2320.6	2158.6	1994.3
55°	3117.0	3080.5	3044.0	3139.8	3135.2	2975.5	2813.5	2651.5	2535.1	2318.3	2101.6
57.5°	3331.5	3363.4	3393.1	3488.9	3379.4	3196.8	3014.3	2852.3	2751.9	2480.3	2208.8
60°	3415.9	3580.2	3742.2	3799.2	3632.7	3427.3	3219.7	3059.9	2975.5	2646.9	2318.3
62.5°	3347.4	3710.2	4073.1	4084.5	3865.4	3634.9	3404.5	3274.4	3231.1	2827.2	2421.0
65°	3057.6	3655.5	4251.0	4292.1	4045.7	3803.8	3559.6	3463.8	3491.2	2996.0	2498.6
67.5°	2450.7	3322.3	4191.7	4326.3	4089.0	3833.5	3577.9	3543.7	3646.4	3078.2	2510.0
70°	1385.1	2553.4	3719.4	4093.6	3968.1	3714.8	3459.2	3475.2	3628.1	3032.5	2437.0
72.5°	577.3	1766.1	2955.0	3541.4	3650.9	3436.4	3219.7	3279.0	3383.9	2818.1	2249.9
75°	319.5	1127.2	1935.0	2715.4	3053.1	2996.0	2936.7	3002.9	2952.7	2405.0	1857.4
77.5°	237.3	609.2	981.2	1818.6	2297.8	2427.9	2555.6	2587.6	2306.9	1757.0	1207.1
80°	178.0	289.8	399.3	928.7	1232.2	1464.9	1697.7	1553.9	1357.7	949.2	540.8
82.5°	123.2	166.6	209.9	298.9	479.2	552.2	622.9	593.3	445.0	312.6	178.0
85°	86.7	109.5	132.3	164.3	205.4	164.3	123.2	100.4	116.4	107.2	98.1
87.5°	22.8	22.8	20.5	22.8	16.0	13.7	11.4	9.1	9.1	9.1	9.1
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°	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1	883.1
2.5°	883.1	885.3	885.3	885.3	885.3	883.1	871.7	860.2	832.9	805.5	796.4
5°	844.3	814.6	791.8	769.0	769.0	769.0	773.5	778.1	780.4	782.7	784.9
7.5°	753.0	750.7	759.8	769.0	775.8	782.7	787.2	791.8	782.7	773.5	753.0
10°	588.7	588.7	600.1	609.2	625.2	641.2	686.8	732.5	771.3	810.0	816.9
12.5°	533.9	577.3	552.2	524.8	581.9	638.9	689.1	737.0	775.8	812.3	782.7
15°	536.2	495.2	504.3	513.4	575.0	636.6	591.0	543.1	634.3	723.3	743.9
17.5°	511.1	513.4	554.5	595.6	533.9	470.1	549.9	629.8	664.0	696.0	666.3
20°	524.8	454.1	502.0	549.9	593.3	634.3	593.3	549.9	561.3	572.7	650.3
22.5°	554.5	597.8	556.8	515.7	565.9	613.8	593.3	572.7	609.2	643.5	611.5
25°	552.2	479.2	547.6	616.1	570.5	522.5	547.6	572.7	554.5	533.9	593.3
27.5°	636.6	604.7	586.4	565.9	591.0	616.1	563.6	511.1	511.1	511.1	504.3
30°	796.4	711.9	675.4	636.6	575.0	513.4	495.2	476.9	479.2	481.5	515.7
32.5°	889.9	858.0	748.4	638.9	581.9	524.8	476.9	429.0	433.5	438.1	481.5
35°	972.1	947.0	800.9	652.6	559.0	463.2	422.1	378.8	399.3	417.6	454.1
37.5°	1065.6	997.2	798.6	597.8	497.4	397.0	371.9	346.8	360.5	371.9	394.8
40°	1150.0	1017.7	778.1	536.2	435.8	333.1	321.7	308.0	319.5	330.9	344.6
42.5°	1241.3	1047.4	748.4	447.2	367.4	287.5	282.9	278.4	289.8	301.2	310.3
45°	1312.1	1051.9	709.6	365.1	312.6	260.1	260.1	257.8	269.3	278.4	282.9
47.5°	1357.7	1001.7	648.0	292.1	269.3	246.4	248.7	248.7	257.8	264.7	267.0
50°	1389.6	919.6	588.7	257.8	246.4	235.0	235.0	235.0	244.2	251.0	255.6
52.5°	1412.5	828.3	533.9	237.3	232.7	225.9	225.9	223.6	235.0	246.4	248.7
55°	1419.3	734.7	479.2	221.3	216.8	212.2	216.8	219.1	232.7	244.2	246.4
57.5°	1435.3	661.7	433.5	205.4	203.1	200.8	207.6	214.5	228.2	241.9	241.9
60°	1467.2	613.8	401.6	189.4	189.4	189.4	200.8	209.9	223.6	237.3	235.0
62.5°	1496.9	570.5	371.9	173.4	175.7	178.0	191.7	205.4	219.1	232.7	230.5
65°	1501.4	502.0	330.9	159.7	164.3	166.6	182.5	198.5	212.2	225.9	221.3
67.5°	1451.2	392.5	269.3	146.0	152.9	157.4	175.7	191.7	205.4	216.8	212.2
70°	1360.0	280.7	207.6	134.6	141.5	146.0	164.3	180.3	191.7	203.1	198.5
72.5°	1225.3	200.8	162.0	123.2	127.8	132.3	148.3	164.3	178.0	189.4	184.8
75°	1010.8	162.0	136.9	111.8	116.4	118.7	134.6	148.3	162.0	173.4	166.6
77.5°	670.9	132.3	116.4	100.4	102.7	105.0	118.7	130.1	141.5	150.6	146.0
80°	324.0	107.2	98.1	86.7	89.0	89.0	100.4	111.8	120.9	127.8	125.5
82.5°	132.3	84.4	77.6	70.7	70.7	70.7	82.1	91.3	100.4	107.2	102.7
85°	82.1	66.2	61.6	54.8	52.5	50.2	54.8	59.3	63.9	66.2	63.9
87.5°	11.4	11.4	13.7	16.0	13.7	9.1	13.7	18.3	18.3	16.0	13.7
90°	0.0	0.0	6.8	6.8	4.6	0.0	0.0	0.0	0.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	883.1	883.1	883.1	883.1
2.5°	787.2	787.2	787.2	791.8
5°	784.9	784.9	784.9	789.5
7.5°	732.5	709.6	686.8	689.1
10°	821.5	823.7	823.7	826.0
12.5°	750.7	714.2	677.7	682.3
15°	764.4	764.4	762.1	764.4
17.5°	636.6	625.2	613.8	613.8
20°	727.9	727.9	727.9	727.9
22.5°	579.6	577.3	575.0	577.3
25°	652.6	654.9	654.9	652.6
27.5°	497.4	527.1	554.5	556.8
30°	547.6	547.6	547.6	547.6
32.5°	524.8	547.6	570.5	572.7
35°	488.3	486.0	483.7	490.6
37.5°	415.3	410.7	406.2	406.2
40°	358.2	349.1	340.0	340.0
42.5°	317.2	310.3	301.2	298.9
45°	287.5	280.7	271.5	271.5
47.5°	267.0	262.4	257.8	255.6
50°	257.8	253.3	248.7	248.7
52.5°	251.0	248.7	244.2	244.2
55°	246.4	244.2	239.6	239.6
57.5°	241.9	239.6	235.0	235.0
60°	232.7	230.5	228.2	228.2
62.5°	225.9	223.6	221.3	221.3
65°	216.8	216.8	214.5	212.2
67.5°	205.4	205.4	205.4	200.8
70°	191.7	191.7	191.7	187.1
72.5°	178.0	178.0	175.7	168.9
75°	159.7	157.4	155.2	150.6
77.5°	141.5	136.9	132.3	130.1
80°	120.9	116.4	111.8	107.2
82.5°	95.8	93.6	89.0	77.6
85°	59.3	52.5	43.4	38.8
87.5°	11.4	9.1	6.8	2.3
90°	0.0	0.0	0.0	0.0

(END OF REPORT)