

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: P560702

Luminaire Tested: **SDL-PA1-60-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560702
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-PA1-60-727-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 800mA 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: 4540.5 lumens
Efficiency: N/A
Efficacy: 72.8 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): 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

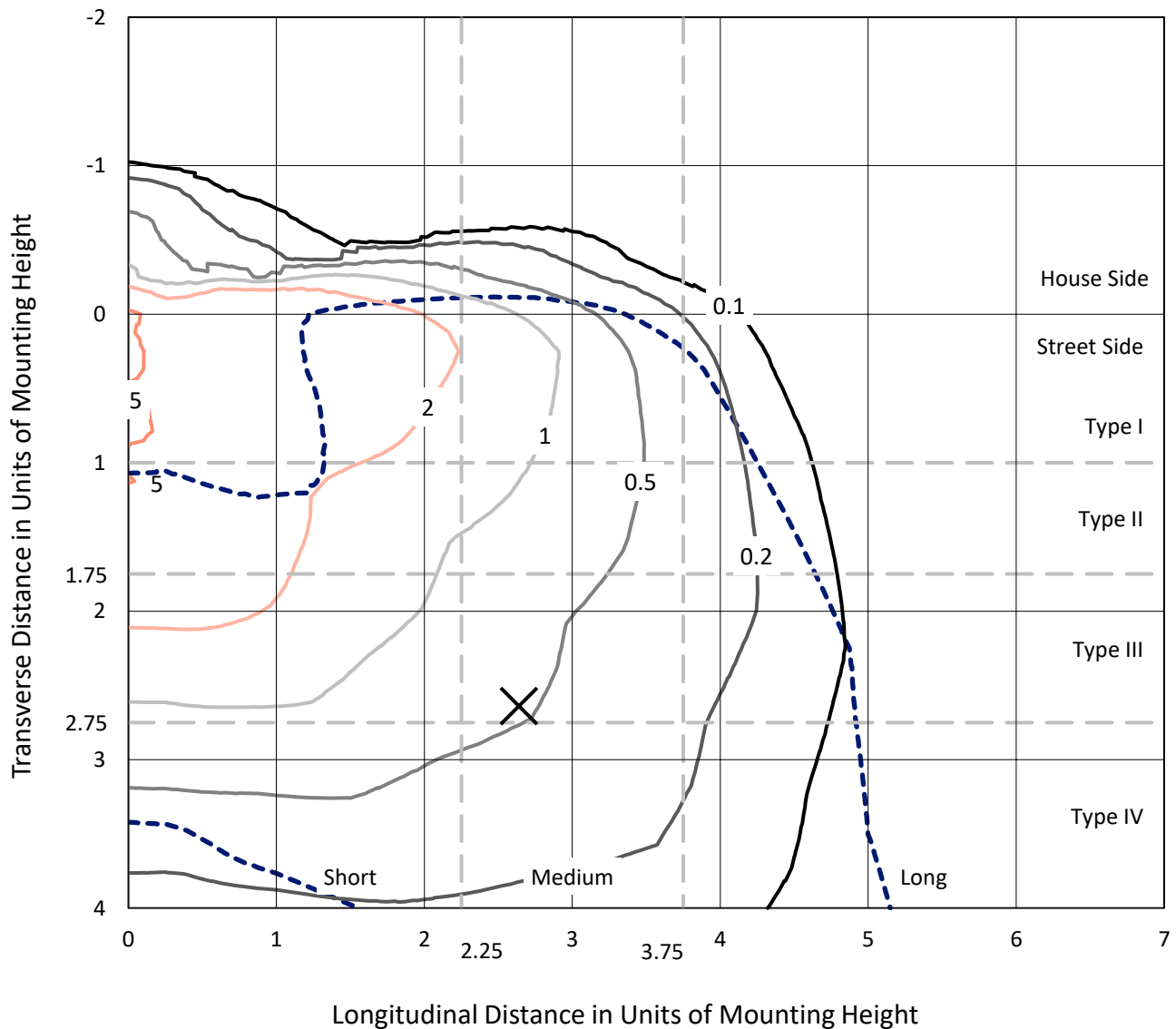


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

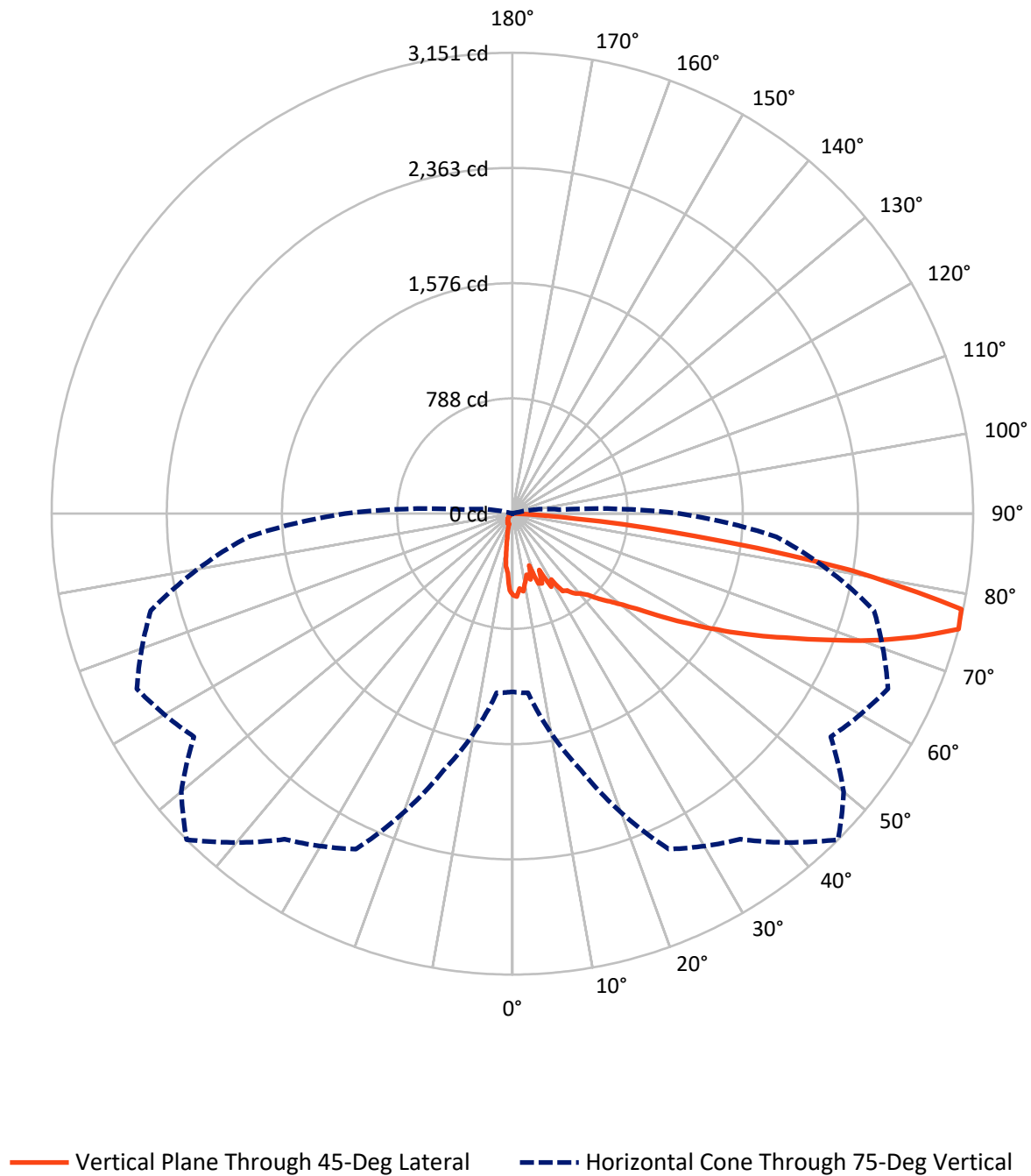


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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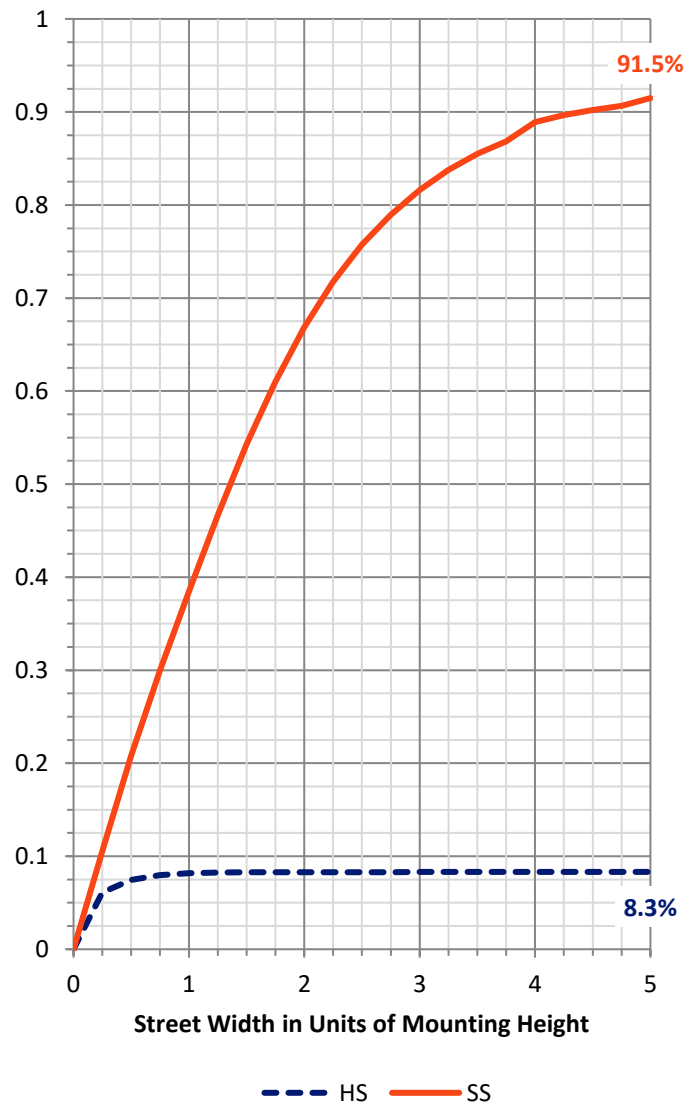
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	381.2	0.0	381.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	4159.3	0.0	4159.3
	% Fixture	91.6	0.0	91.6
Total	Lumens	4540.5	0.0	4540.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.0
10°-20°	95.0	2.1
20°-30°	160.7	3.5
30°-40°	295.9	6.5
40°-50°	485.7	10.7
50°-60°	864.4	19.0
60°-70°	1293.4	28.5
70°-80°	1151.6	25.4
80°-90°	150.4	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°	4540.5	100.0
0°-180°	4540.5	100.0

Coefficient of Utilization



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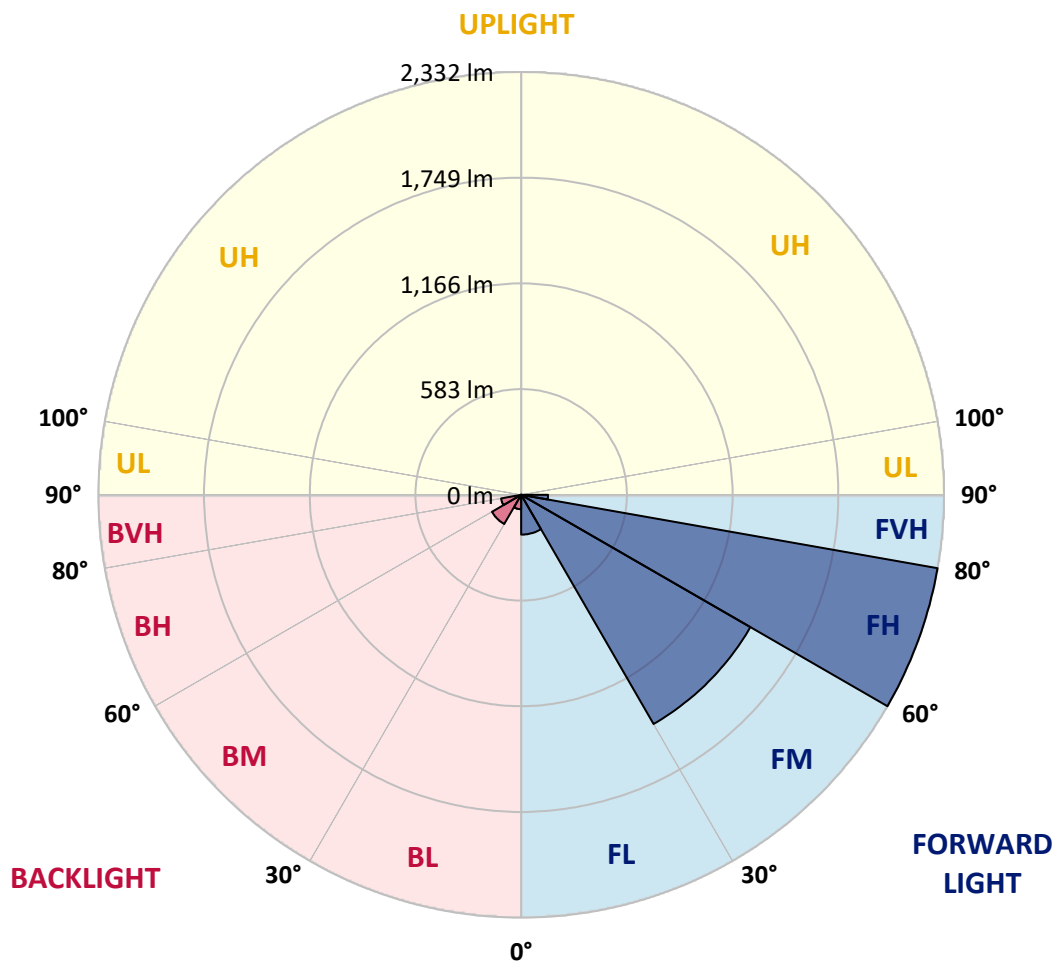
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	219.5	4.8			
FM	(30°-60°)	1459.6	32.1			
FH	(60°-80°)	2332.1	51.4			G2/5000
FVH	(80°-90°)	148.1	3.3			G2/225
BL	(0°-30°)	79.5	1.8	B0/110		
BM	(30°-60°)	186.5	4.1	B0/220		
BH	(60°-80°)	112.9	2.5	B1/500		G1/500
BVH	(80°-90°)	2.3	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°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	517.9	556.7	561.3	563.6	568.1	570.4	570.4	570.4	570.4	568.1	568.1
5°	547.6	545.3	543.0	540.8	538.5	533.9	529.3	522.5	517.9	513.4	508.8
7.5°	536.2	538.5	545.3	549.9	547.6	545.3	549.9	552.2	545.3	536.2	527.1
10°	625.2	620.6	616.1	611.5	604.6	597.8	543.0	488.3	483.7	476.9	472.3
12.5°	547.6	616.1	616.1	616.1	616.1	616.1	579.5	543.0	486.0	429.0	362.8
15°	684.5	682.2	673.1	664.0	602.4	538.5	504.3	470.0	470.0	467.7	440.4
17.5°	568.1	568.1	613.8	657.1	632.0	606.9	559.0	511.1	442.6	371.9	399.3
20°	718.7	718.7	709.6	700.5	595.5	490.6	495.1	499.7	504.3	508.8	422.1
22.5°	591.0	586.4	581.8	577.3	588.7	600.1	506.5	410.7	465.5	517.9	403.9
25°	721.0	727.9	723.3	716.4	622.9	529.3	549.9	568.1	497.4	426.7	495.1
27.5°	618.3	611.5	602.4	591.0	597.8	604.6	561.3	515.7	540.8	565.9	454.1
30°	757.5	759.8	755.2	750.7	661.7	572.7	570.4	565.9	545.3	522.5	511.1
32.5°	937.8	919.5	855.6	791.7	737.0	682.2	638.9	595.5	613.8	629.7	568.1
35°	1024.5	990.2	962.9	933.2	841.9	748.4	695.9	641.2	643.4	645.7	620.6
37.5°	1108.9	1058.7	1024.5	990.2	880.7	771.2	714.2	657.1	675.4	691.3	664.0
40°	1138.6	1111.2	1090.6	1070.1	953.7	835.1	768.9	700.5	709.6	716.4	707.3
42.5°	1213.9	1209.3	1197.9	1184.2	1045.0	903.5	823.7	743.8	753.0	759.8	755.2
45°	1394.1	1387.3	1387.3	1385.0	1204.7	1022.2	917.2	812.3	821.4	830.5	826.0
47.5°	1626.8	1615.4	1601.7	1585.8	1394.1	1200.2	1049.6	896.7	896.7	896.7	903.5
50°	1871.0	1855.0	1825.3	1793.4	1599.5	1405.5	1213.9	1022.2	1001.7	978.8	1003.9
52.5°	2124.2	2096.9	2046.7	1994.2	1823.1	1651.9	1435.2	1216.1	1154.5	1090.6	1122.6
55°	2261.1	2231.5	2197.3	2160.7	2021.6	1880.1	1658.8	1437.5	1341.6	1243.5	1277.7
57.5°	2372.9	2366.1	2350.1	2334.2	2226.9	2119.7	1898.4	1674.8	1544.7	1414.6	1444.3
60°	2525.8	2516.7	2523.5	2530.4	2448.2	2366.1	2156.2	1944.0	1777.4	1608.6	1599.5
62.5°	2639.9	2637.6	2671.8	2706.1	2662.7	2617.1	2382.1	2144.8	1982.8	1818.5	1772.9
65°	2534.9	2564.6	2692.4	2820.2	2813.3	2804.2	2585.1	2363.8	2204.1	2042.1	1982.8
67.5°	2313.6	2327.3	2516.7	2703.8	2785.9	2865.8	2710.6	2553.2	2427.7	2299.9	2190.4
70°	2106.0	2135.7	2302.2	2468.8	2681.0	2893.2	2770.0	2646.7	2621.6	2594.3	2452.8
72.5°	1905.2	1957.7	2112.8	2268.0	2550.9	2831.6	2758.5	2685.5	2783.6	2881.8	2712.9
75°	1218.4	1229.8	1524.2	1816.2	2174.4	2530.4	2623.9	2717.5	2934.2	3151.0	2957.1
77.5°	355.9	394.7	616.1	837.4	1248.1	1656.5	1975.9	2295.4	2717.5	3139.6	2902.3
80°	120.9	130.1	162.0	191.7	410.7	629.7	999.4	1366.7	1857.3	2347.8	2181.3
82.5°	59.3	61.6	77.6	91.3	139.2	187.1	376.5	563.6	910.4	1254.9	1284.6
85°	18.3	18.3	27.4	36.5	59.3	82.1	141.5	198.5	314.9	429.0	362.8
87.5°	4.6	4.6	6.8	9.1	13.7	18.3	18.3	18.3	13.7	9.1	11.4
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°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	570.4	570.4	570.4	568.1	563.6	561.3	556.7	552.2	547.6	545.3	540.8
5°	502.0	531.6	559.0	561.3	561.3	554.4	547.6	540.8	533.9	527.1	520.2
7.5°	515.7	499.7	483.7	486.0	488.3	486.0	481.4	470.0	460.9	442.6	422.1
10°	413.0	401.6	387.9	392.4	397.0	408.4	419.8	410.7	397.0	362.8	326.3
12.5°	406.1	403.9	399.3	365.1	328.6	346.8	362.8	353.7	340.0	305.7	269.2
15°	346.8	349.1	349.1	383.3	417.5	431.2	442.6	431.2	415.3	369.6	321.7
17.5°	447.2	424.4	401.6	387.9	371.9	376.5	381.0	330.8	346.8	317.2	285.2
20°	463.2	387.9	312.6	374.2	435.8	456.3	476.9	465.5	444.9	371.9	296.6
22.5°	422.1	449.5	476.9	438.1	399.3	374.2	346.8	335.4	321.7	289.8	257.8
25°	522.5	447.2	369.6	442.6	513.4	517.9	522.5	502.0	479.2	387.9	296.6
27.5°	467.7	492.8	515.7	531.6	547.6	568.1	588.7	565.9	511.1	403.9	294.3
30°	556.7	591.0	625.2	677.7	730.1	746.1	759.8	734.7	691.3	511.1	328.6
32.5°	581.8	650.3	718.7	739.3	757.5	778.1	798.6	778.1	725.6	506.5	285.2
35°	650.3	698.2	743.8	775.8	807.7	826.0	844.2	830.5	759.8	499.7	239.6
37.5°	670.8	734.7	796.3	832.8	867.0	883.0	896.7	896.7	796.3	495.1	191.7
40°	702.8	782.6	862.5	896.7	928.6	953.7	976.6	985.7	837.4	492.8	146.0
42.5°	766.6	837.4	908.1	962.9	1015.3	1051.9	1088.4	1095.2	885.3	499.7	111.8
45°	835.1	910.4	985.7	1058.7	1131.7	1184.2	1234.4	1229.8	942.3	517.9	91.3
47.5°	933.2	1003.9	1074.7	1197.9	1318.8	1369.0	1416.9	1385.0	1001.7	540.8	79.9
50°	1033.6	1120.3	1207.0	1364.4	1519.6	1565.2	1608.6	1542.4	1058.7	568.1	75.3
52.5°	1163.7	1266.3	1369.0	1549.3	1729.5	1770.6	1811.7	1677.0	1102.1	586.4	70.7
55°	1316.5	1448.9	1581.2	1752.3	1921.2	1969.1	2017.0	1809.4	1122.6	595.5	68.5
57.5°	1501.3	1654.2	1804.8	1962.2	2117.4	2183.6	2247.5	1939.4	1131.7	597.8	63.9
60°	1681.6	1850.4	2019.3	2153.9	2288.5	2391.2	2491.6	2067.2	1127.1	593.2	57.0
62.5°	1848.2	2035.3	2220.1	2345.6	2471.1	2594.3	2717.5	2169.9	1097.5	572.7	45.6
65°	2021.6	2220.1	2416.3	2525.8	2635.3	2795.1	2952.5	2258.9	1056.4	545.3	31.9
67.5°	2179.0	2368.4	2557.8	2681.0	2804.2	2961.6	3116.8	2281.7	997.1	511.1	22.8
70°	2311.3	2516.7	2719.8	2845.3	2970.7	3050.6	3128.2	2181.3	878.4	447.2	16.0
72.5°	2493.9	2678.7	2861.2	2925.1	2986.7	2847.5	2706.1	1818.5	659.4	337.7	13.7
75°	2658.2	2747.1	2833.8	2696.9	2560.0	2185.8	1811.7	1145.4	321.7	168.8	13.7
77.5°	2491.6	2443.7	2395.8	1975.9	1553.8	1154.5	753.0	449.5	100.4	54.8	9.1
80°	1804.8	1585.8	1364.4	944.6	522.5	349.1	173.4	100.4	25.1	16.0	6.8
82.5°	972.0	750.7	527.1	340.0	152.9	102.7	50.2	34.2	11.4	9.1	4.6
85°	351.4	278.4	203.1	157.4	111.8	66.2	18.3	11.4	6.8	6.8	4.6
87.5°	31.9	36.5	41.1	31.9	20.5	13.7	4.6	4.6	4.6	4.6	2.3
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7	556.7
2.5°	538.5	536.2	533.9	529.3	527.1	524.8	508.8	492.8	474.6	456.3	456.3
5°	490.6	460.9	444.9	429.0	417.5	406.1	403.9	399.3	394.7	390.2	387.9
7.5°	410.7	399.3	390.2	381.0	369.6	358.2	346.8	335.4	326.3	317.2	296.6
10°	308.0	289.8	276.1	262.4	255.5	246.4	232.7	216.8	216.8	216.8	214.5
12.5°	267.0	264.7	230.4	193.9	182.5	171.1	168.8	166.6	162.0	155.2	146.0
15°	264.7	205.4	175.7	143.7	136.9	127.8	114.1	98.1	95.8	91.3	102.7
17.5°	239.6	193.9	159.7	125.5	100.4	75.3	79.9	82.1	93.5	102.7	109.5
20°	216.8	136.9	114.1	89.0	82.1	73.0	77.6	82.1	79.9	75.3	86.7
22.5°	203.1	146.0	107.2	68.5	73.0	77.6	73.0	66.2	77.6	89.0	95.8
25°	196.2	93.5	84.4	73.0	68.5	63.9	73.0	79.9	75.3	70.7	84.4
27.5°	193.9	93.5	79.9	63.9	68.5	73.0	70.7	66.2	75.3	82.1	79.9
30°	207.6	84.4	75.3	66.2	63.9	61.6	66.2	70.7	70.7	68.5	79.9
32.5°	184.8	84.4	75.3	63.9	63.9	61.6	61.6	61.6	68.5	75.3	79.9
35°	159.7	77.6	70.7	61.6	59.3	57.0	59.3	59.3	66.2	70.7	79.9
37.5°	132.3	73.0	66.2	57.0	54.8	52.5	52.5	50.2	57.0	63.9	70.7
40°	107.2	68.5	61.6	52.5	50.2	47.9	47.9	47.9	52.5	54.8	59.3
42.5°	89.0	63.9	57.0	47.9	45.6	43.4	43.4	41.1	43.4	45.6	47.9
45°	77.6	61.6	54.8	45.6	43.4	38.8	36.5	34.2	34.2	34.2	34.2
47.5°	68.5	57.0	52.5	45.6	41.1	34.2	31.9	27.4	25.1	22.8	20.5
50°	63.9	52.5	47.9	41.1	36.5	29.7	25.1	20.5	18.3	13.7	13.7
52.5°	59.3	47.9	43.4	36.5	29.7	22.8	18.3	11.4	11.4	9.1	9.1
55°	57.0	45.6	38.8	31.9	25.1	16.0	11.4	6.8	6.8	4.6	4.6
57.5°	54.8	43.4	36.5	27.4	18.3	9.1	6.8	4.6	4.6	4.6	4.6
60°	47.9	38.8	29.7	18.3	11.4	4.6	4.6	2.3	4.6	4.6	4.6
62.5°	38.8	29.7	20.5	11.4	6.8	2.3	2.3	2.3	4.6	4.6	4.6
65°	27.4	20.5	13.7	6.8	4.6	2.3	2.3	2.3	2.3	2.3	2.3
67.5°	20.5	16.0	11.4	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
70°	13.7	11.4	9.1	4.6	4.6	2.3	2.3	2.3	2.3	2.3	2.3
72.5°	11.4	9.1	6.8	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
75°	11.4	9.1	6.8	2.3	2.3	0.0	2.3	2.3	2.3	2.3	2.3
77.5°	9.1	6.8	4.6	2.3	2.3	0.0	2.3	4.6	4.6	4.6	4.6
80°	6.8	4.6	4.6	2.3	2.3	0.0	2.3	4.6	4.6	4.6	4.6
82.5°	4.6	4.6	4.6	2.3	2.3	0.0	4.6	6.8	6.8	4.6	4.6
85°	4.6	2.3	2.3	2.3	2.3	2.3	4.6	6.8	6.8	6.8	4.6
87.5°	2.3	2.3	2.3	2.3	2.3	2.3	4.6	6.8	6.8	6.8	4.6
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°	556.7	556.7	556.7	556.7
2.5°	454.1	454.1	451.8	451.8
5°	383.3	383.3	381.0	381.0
7.5°	276.1	271.5	264.7	267.0
10°	212.2	207.6	203.1	207.6
12.5°	136.9	139.2	139.2	132.3
15°	111.8	120.9	127.8	127.8
17.5°	116.4	116.4	114.1	114.1
20°	98.1	107.2	116.4	116.4
22.5°	100.4	95.8	91.3	91.3
25°	95.8	102.7	107.2	107.2
27.5°	77.6	79.9	82.1	82.1
30°	89.0	93.5	95.8	95.8
32.5°	84.4	89.0	91.3	93.5
35°	86.7	91.3	93.5	93.5
37.5°	77.6	79.9	82.1	82.1
40°	61.6	63.9	66.2	66.2
42.5°	47.9	47.9	45.6	47.9
45°	31.9	31.9	29.7	31.9
47.5°	18.3	18.3	18.3	18.3
50°	11.4	11.4	11.4	11.4
52.5°	6.8	6.8	6.8	6.8
55°	4.6	4.6	4.6	4.6
57.5°	4.6	4.6	2.3	2.3
60°	2.3	2.3	2.3	2.3
62.5°	2.3	2.3	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°	2.3	2.3	0.0	0.0
77.5°	2.3	2.3	0.0	0.0
80°	2.3	2.3	0.0	0.0
82.5°	2.3	2.3	0.0	0.0
85°	2.3	2.3	2.3	0.0
87.5°	2.3	2.3	2.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)