

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: P560994

Luminaire Tested: **SDL-PA1-70-830-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560994
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-14)
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-SL3-HSS
Description: Springdale
(1) 80 CRI, 3000K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5639.5 lumens
Efficiency: N/A
Efficacy: 78.1 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

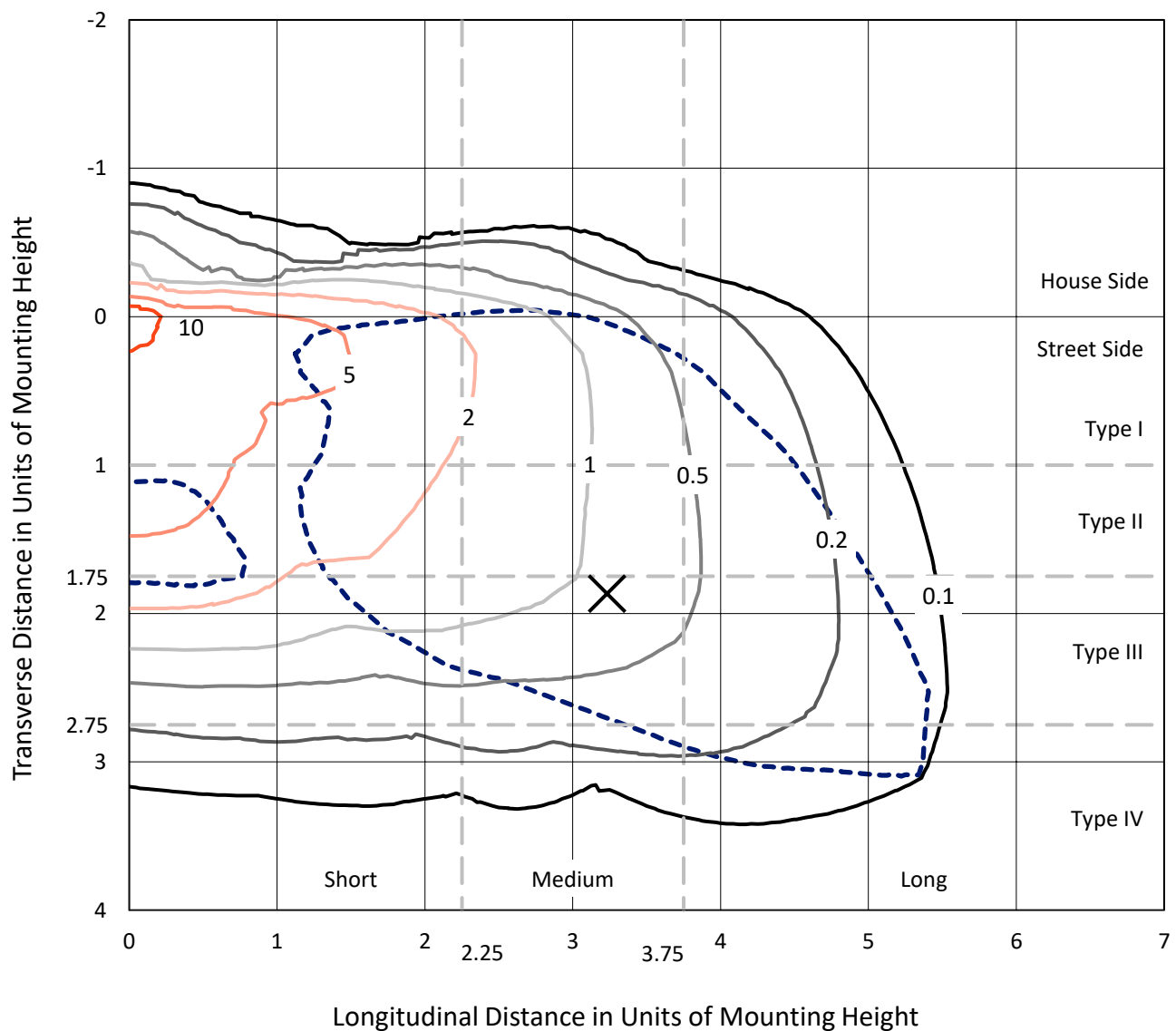


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

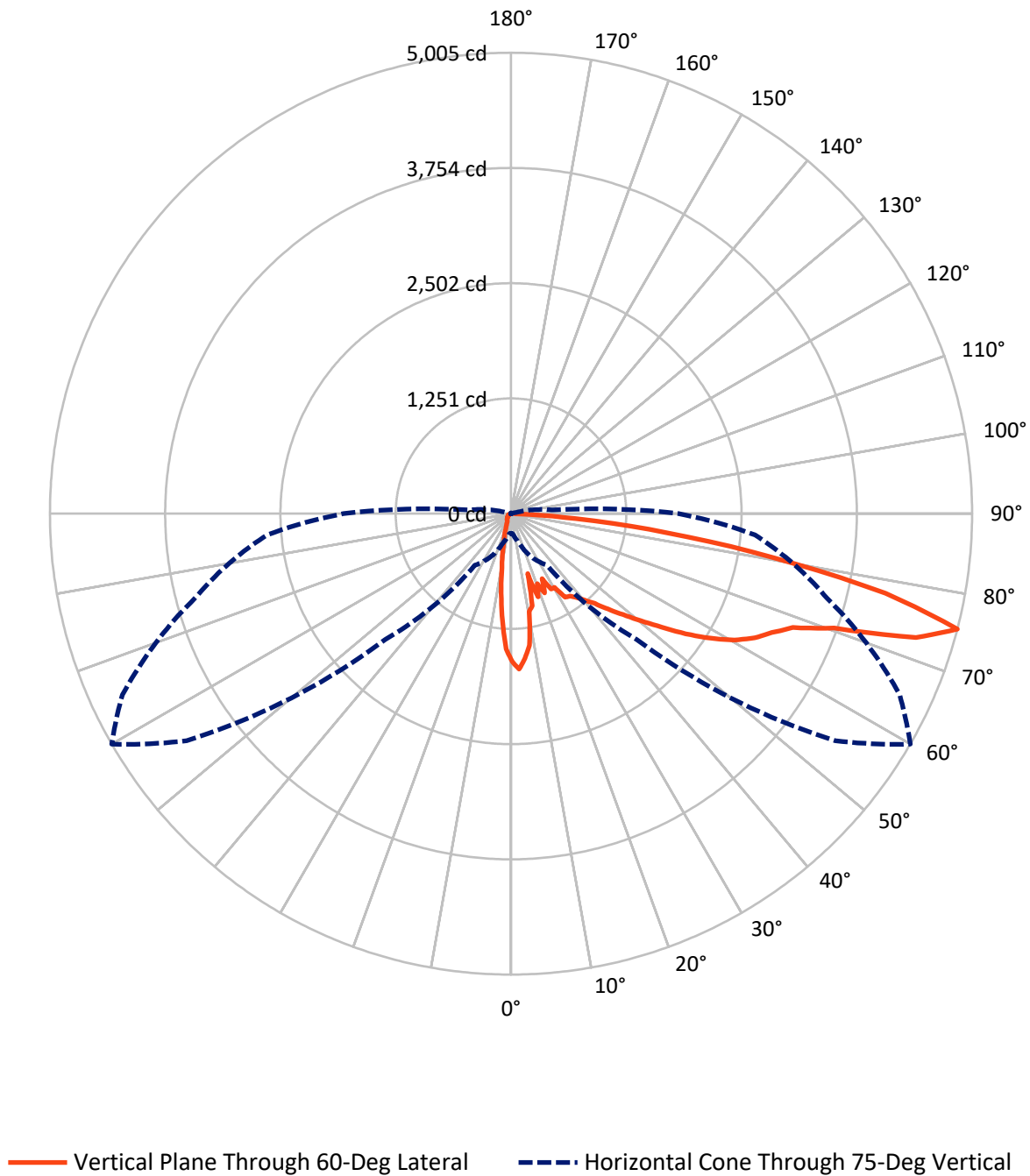


Based on 10 foot mounting height. Maximum calculated value = 16.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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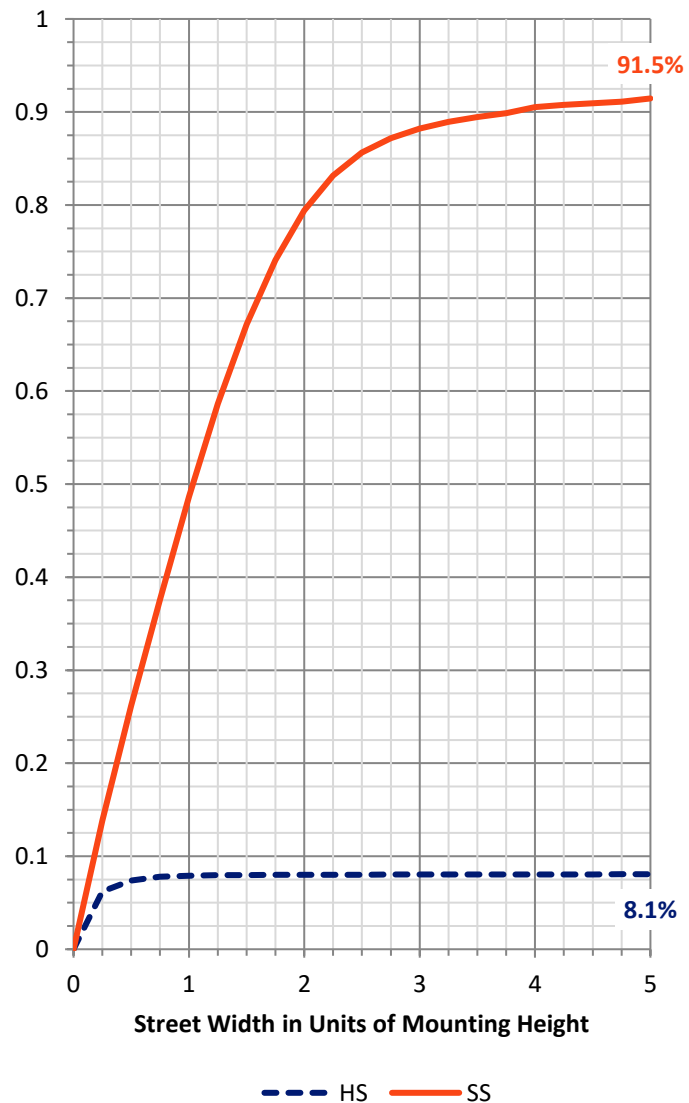
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	459.4	0.0	459.4
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	5180.1	0.0	5180.1
	% Fixture	91.9	0.0	91.9
Total	Lumens	5639.5	0.0	5639.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.2	2.0
10°-20°	184.5	3.3
20°-30°	264.4	4.7
30°-40°	470.7	8.3
40°-50°	774.7	13.7
50°-60°	1194.6	21.2
60°-70°	1392.2	24.7
70°-80°	1078.9	19.1
80°-90°	168.4	3.0
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°	5639.5	100.0
0°-180°	5639.5	100.0

Coefficient of Utilization



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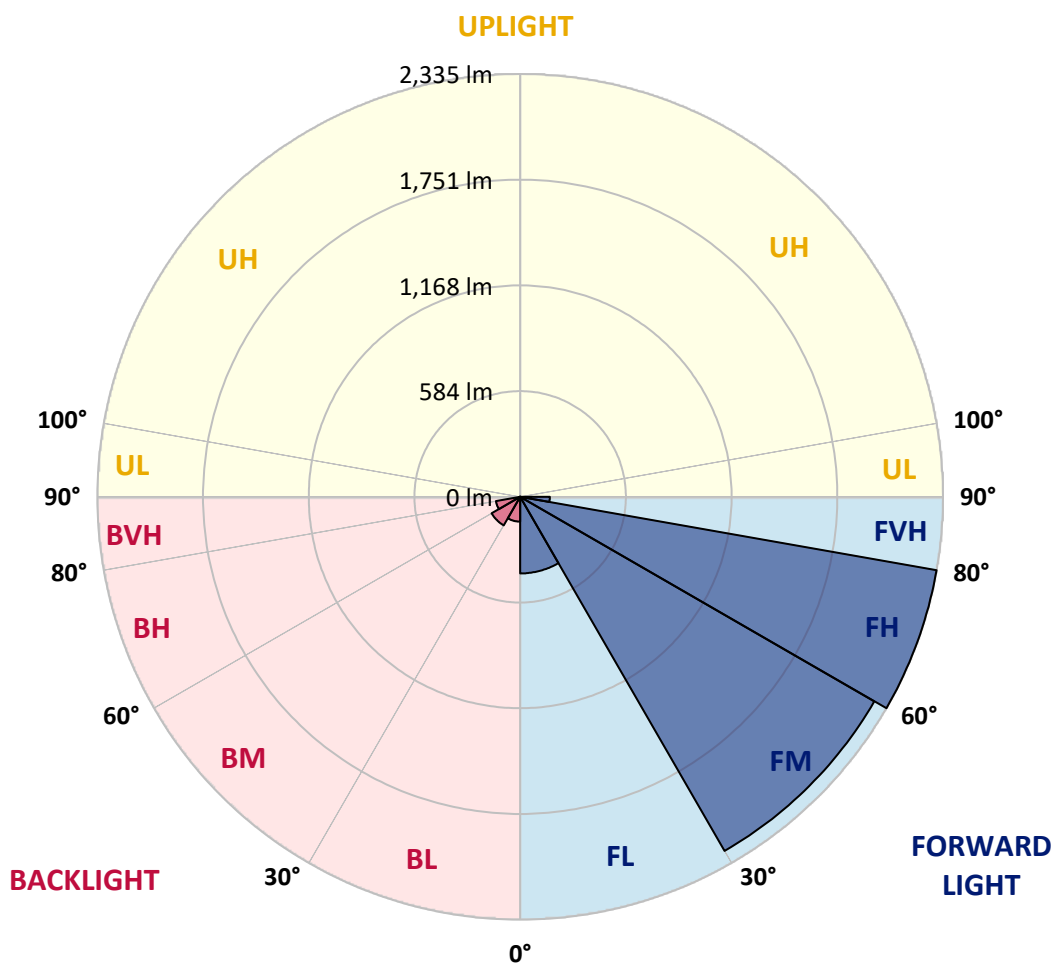
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	423.1	7.5			
FM	(30°-60°)	2258.1	40.0			
FH	(60°-80°)	2335.2	41.4			G2/5000
FVH	(80°-90°)	163.8	2.9			G2/225
BL	(0°-30°)	137.0	2.4	B1/500		
BM	(30°-60°)	181.9	3.2	B0/220		
BH	(60°-80°)	135.9	2.4	B1/500		G1/500
BVH	(80°-90°)	4.6	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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1501.7	1558.0	1592.3	1624.2	1665.8	1707.5	1709.9	1712.4	1712.4	1712.4	1709.9
5°	1450.3	1455.2	1455.2	1455.2	1462.5	1469.9	1474.8	1477.2	1479.7	1479.7	1477.2
7.5°	1134.2	1224.9	1281.2	1335.1	1349.8	1364.5	1384.1	1401.3	1416.0	1428.2	1438.0
10°	1256.7	1266.5	1266.5	1264.1	1276.3	1286.1	1190.6	1092.6	1131.8	1171.0	1122.0
12.5°	970.1	1019.1	1080.3	1139.1	1178.3	1217.5	1173.4	1129.3	1060.7	989.7	984.8
15°	1134.2	1141.6	1144.0	1146.5	1080.3	1011.7	930.9	847.6	904.0	960.3	879.5
17.5°	872.1	879.5	948.1	1016.6	1024.0	1031.3	979.9	926.0	808.4	690.8	801.1
20°	1043.6	1048.5	1048.5	1048.5	918.7	788.8	798.6	806.0	842.7	879.5	852.5
22.5°	840.3	830.5	835.4	837.8	877.0	913.8	837.8	759.4	815.8	869.7	823.1
25°	1050.9	1053.4	1038.7	1021.5	906.4	788.8	830.5	869.7	803.5	734.9	801.1
27.5°	950.5	940.7	906.4	872.1	889.3	906.4	828.0	747.2	810.9	872.1	842.7
30°	1251.8	1246.9	1202.8	1156.3	1019.1	879.5	864.8	847.6	810.9	771.7	823.1
32.5°	1670.7	1611.9	1447.8	1281.2	1195.5	1107.3	999.5	891.7	904.0	913.8	921.1
35°	1763.8	1736.9	1665.8	1594.8	1462.5	1327.8	1180.8	1031.3	997.1	962.8	982.4
37.5°	1788.3	1778.5	1768.7	1756.5	1599.7	1442.9	1295.9	1146.5	1119.5	1090.1	1068.1
40°	1812.8	1822.6	1852.0	1879.0	1732.0	1585.0	1447.8	1308.2	1276.3	1244.5	1188.1
42.5°	1910.8	1918.2	1962.3	2006.4	1864.3	1719.7	1599.7	1479.7	1433.1	1386.6	1335.1
45°	2119.0	2126.4	2150.9	2175.4	2043.1	1908.4	1776.1	1641.3	1604.6	1565.4	1506.6
47.5°	2408.1	2415.5	2403.2	2391.0	2239.1	2084.7	1928.0	1771.2	1758.9	1746.7	1685.4
50°	2738.8	2729.0	2662.9	2596.7	2430.2	2263.6	2079.8	1893.7	1903.5	1913.3	1869.2
52.5°	2890.7	2885.8	2809.9	2733.9	2562.4	2388.5	2197.4	2003.9	2038.2	2070.0	2045.5
55°	2880.9	2878.5	2827.0	2775.6	2613.9	2452.2	2273.4	2094.5	2172.9	2248.9	2234.2
57.5°	2773.1	2778.0	2770.7	2763.3	2621.2	2479.2	2334.6	2190.1	2307.7	2422.8	2442.4
60°	2604.1	2604.1	2640.8	2675.1	2591.8	2506.1	2386.1	2263.6	2425.3	2586.9	2635.9
62.5°	2251.3	2290.5	2368.9	2447.3	2474.3	2501.2	2403.2	2305.2	2528.1	2751.1	2822.1
65°	1734.4	1751.6	1893.7	2035.7	2168.0	2297.9	2305.2	2312.6	2653.1	2991.2	3015.7
67.5°	1006.8	1077.9	1234.7	1389.0	1648.7	1905.9	2038.2	2170.5	2707.0	3241.0	3268.0
70°	529.1	558.5	634.5	708.0	940.7	1171.0	1499.3	1825.1	2582.0	3336.6	3571.7
72.5°	362.6	389.5	431.2	472.8	561.0	646.7	881.9	1114.6	2055.3	2996.1	3726.1
75°	213.1	220.5	271.9	323.4	418.9	514.4	600.2	683.5	1308.2	1930.4	3113.6
77.5°	85.7	93.1	115.1	137.2	271.9	404.2	492.4	580.6	730.0	879.5	2138.6
80°	46.5	46.5	56.3	63.7	122.5	178.8	330.7	482.6	556.1	629.6	1386.6
82.5°	26.9	26.9	34.3	39.2	61.2	83.3	188.6	294.0	433.6	570.8	935.8
85°	9.8	9.8	12.2	14.7	29.4	41.6	68.6	93.1	269.5	443.4	538.9
87.5°	2.4	2.4	4.9	4.9	7.3	9.8	12.2	12.2	9.8	7.3	49.0
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°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1705.0	1690.3	1680.5	1663.4	1646.2	1631.5	1614.4	1592.3	1575.2	1553.1	1531.1
5°	1474.8	1577.6	1683.0	1673.2	1660.9	1626.6	1592.3	1553.1	1516.4	1472.3	1428.2
7.5°	1445.4	1442.9	1342.5	1393.9	1442.9	1403.7	1364.5	1320.4	1271.4	1185.7	1099.9
10°	1073.0	1080.3	1077.9	1090.1	1102.4	1134.2	1163.6	1099.9	1038.7	904.0	766.8
12.5°	979.9	1026.4	1038.7	955.4	872.1	906.4	940.7	877.0	815.8	690.8	565.9
15°	796.2	676.1	847.6	960.3	1070.5	1087.7	1102.4	1019.1	921.1	749.6	575.7
17.5°	908.9	950.5	901.5	904.0	904.0	906.4	908.9	832.9	734.9	605.1	475.3
20°	825.6	813.3	818.2	899.1	979.9	1033.8	1085.2	970.1	845.2	644.3	441.0
22.5°	776.6	935.8	1004.4	970.1	935.8	850.1	761.9	673.7	570.8	470.4	367.5
25°	864.8	781.5	835.4	967.7	1099.9	1099.9	1099.9	948.1	779.0	563.4	347.9
27.5°	813.3	928.5	982.4	1087.7	1190.6	1234.7	1276.3	1082.8	859.9	592.8	323.4
30°	874.6	928.5	1119.5	1330.2	1540.9	1504.2	1465.0	1217.5	935.8	622.2	308.7
32.5°	928.5	1080.3	1249.4	1408.6	1567.8	1526.2	1482.1	1207.7	891.7	561.0	230.3
35°	1002.0	1099.9	1256.7	1450.3	1643.8	1580.1	1513.9	1212.6	857.4	514.4	171.5
37.5°	1046.0	1153.8	1322.9	1526.2	1727.1	1648.7	1570.3	1234.7	828.0	480.2	132.3
40°	1129.3	1237.1	1406.2	1619.3	1832.4	1741.8	1648.7	1273.9	810.9	460.6	110.2
42.5°	1283.7	1332.7	1521.3	1746.7	1972.1	1876.5	1778.5	1357.2	806.0	450.8	95.5
45°	1445.4	1477.2	1643.8	1896.1	2146.0	2048.0	1947.6	1460.1	823.1	458.1	90.6
47.5°	1621.7	1638.9	1790.8	2104.3	2417.9	2283.2	2148.4	1602.1	859.9	472.8	85.7
50°	1825.1	1825.1	1972.1	2310.1	2648.2	2508.6	2368.9	1768.7	906.4	494.9	83.3
52.5°	2018.6	2045.5	2158.2	2503.7	2849.1	2719.2	2586.9	1952.5	967.7	524.2	78.4
55°	2217.0	2302.8	2344.4	2697.2	3049.9	2900.5	2751.1	2087.2	1004.4	538.9	73.5
57.5°	2462.0	2552.6	2574.7	2873.6	3172.4	3027.9	2880.9	2202.3	1031.3	551.2	71.0
60°	2684.9	2787.8	2831.9	3052.4	3270.4	3121.0	2971.6	2302.8	1055.8	561.0	63.7
62.5°	2890.7	2969.1	3037.7	3179.8	3321.9	3182.2	3040.1	2391.0	1070.5	563.4	56.3
65°	3040.1	3111.2	3209.2	3290.0	3370.9	3265.5	3160.2	2542.8	1112.2	578.1	41.6
67.5°	3292.5	3299.8	3356.2	3422.3	3488.5	3432.1	3375.8	2753.5	1161.2	597.7	31.8
70°	3804.5	3721.2	3647.7	3713.8	3777.5	3699.1	3620.7	2814.8	1048.5	536.5	24.5
72.5°	4456.1	4595.7	4240.5	4103.3	3963.7	3674.6	3383.1	2422.8	744.7	382.2	19.6
75°	4296.9	5004.9	4654.5	4103.3	3552.1	3106.3	2658.0	1817.7	458.1	237.6	14.7
77.5°	3395.4	4154.8	4029.8	3461.5	2890.7	2342.0	1793.2	1117.1	161.7	88.2	14.7
80°	2143.5	2873.6	2765.8	2248.9	1729.5	1229.8	730.0	340.5	61.2	39.2	17.1
82.5°	1300.8	1712.4	1344.9	842.7	340.5	240.1	139.6	73.5	19.6	17.1	14.7
85°	632.0	708.0	463.0	267.0	68.6	63.7	56.3	36.7	9.8	9.8	7.3
87.5°	88.2	63.7	39.2	26.9	12.2	12.2	12.2	7.3	7.3	7.3	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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0	1607.0
2.5°	1513.9	1494.4	1472.3	1450.3	1425.8	1401.3	1330.2	1256.7	1217.5	1175.9	1166.1
5°	1347.4	1266.5	1166.1	1063.2	1019.1	975.0	953.0	928.5	913.8	896.6	881.9
7.5°	987.3	872.1	872.1	869.7	832.9	796.2	754.5	710.4	683.5	656.5	585.5
10°	705.5	641.8	597.7	553.6	536.5	519.3	465.5	409.1	414.0	416.5	401.8
12.5°	546.3	524.2	443.4	362.6	335.6	308.7	291.5	274.4	249.9	225.4	208.2
15°	467.9	360.1	298.9	237.6	210.7	181.3	156.8	129.8	122.5	112.7	124.9
17.5°	384.6	291.5	232.7	173.9	134.7	95.5	100.4	105.3	115.1	124.9	129.8
20°	330.7	220.5	169.0	117.6	105.3	93.1	98.0	100.4	98.0	93.1	107.8
22.5°	269.5	171.5	129.8	85.7	88.2	90.6	83.3	75.9	90.6	105.3	105.3
25°	230.3	112.7	100.4	88.2	80.8	73.5	83.3	90.6	85.7	80.8	93.1
27.5°	210.7	98.0	85.7	73.5	75.9	78.4	75.9	71.0	78.4	85.7	83.3
30°	200.9	90.6	83.3	73.5	71.0	66.1	68.6	68.6	66.1	63.7	71.0
32.5°	161.7	93.1	80.8	66.1	63.7	58.8	56.3	53.9	56.3	58.8	61.2
35°	129.8	85.7	75.9	63.7	58.8	53.9	51.4	46.5	46.5	46.5	49.0
37.5°	105.3	78.4	68.6	56.3	51.4	46.5	44.1	39.2	39.2	39.2	39.2
40°	93.1	73.5	63.7	51.4	46.5	39.2	36.7	31.8	31.8	29.4	29.4
42.5°	80.8	66.1	56.3	44.1	39.2	34.3	29.4	24.5	24.5	22.0	22.0
45°	75.9	61.2	51.4	41.6	34.3	26.9	24.5	19.6	19.6	17.1	17.1
47.5°	73.5	58.8	49.0	36.7	29.4	22.0	19.6	14.7	14.7	14.7	14.7
50°	68.6	53.9	44.1	31.8	26.9	19.6	17.1	12.2	12.2	12.2	12.2
52.5°	66.1	51.4	39.2	26.9	22.0	14.7	12.2	9.8	9.8	9.8	9.8
55°	63.7	53.9	39.2	24.5	19.6	12.2	9.8	7.3	7.3	7.3	7.3
57.5°	61.2	51.4	36.7	19.6	14.7	9.8	7.3	4.9	4.9	4.9	4.9
60°	53.9	44.1	29.4	14.7	12.2	7.3	4.9	2.4	4.9	4.9	4.9
62.5°	46.5	34.3	24.5	12.2	9.8	4.9	4.9	2.4	4.9	4.9	4.9
65°	34.3	26.9	19.6	9.8	7.3	2.4	2.4	2.4	4.9	4.9	4.9
67.5°	26.9	19.6	14.7	7.3	4.9	2.4	2.4	2.4	4.9	4.9	4.9
70°	19.6	14.7	9.8	4.9	4.9	2.4	2.4	2.4	4.9	4.9	4.9
72.5°	14.7	9.8	7.3	4.9	4.9	2.4	4.9	4.9	4.9	4.9	4.9
75°	12.2	9.8	7.3	4.9	4.9	2.4	4.9	4.9	7.3	7.3	7.3
77.5°	12.2	7.3	7.3	4.9	4.9	2.4	4.9	7.3	7.3	7.3	7.3
80°	12.2	7.3	7.3	4.9	4.9	2.4	4.9	7.3	7.3	7.3	7.3
82.5°	12.2	7.3	7.3	4.9	4.9	2.4	4.9	7.3	7.3	7.3	7.3
85°	7.3	7.3	7.3	7.3	4.9	2.4	7.3	9.8	9.8	7.3	7.3
87.5°	4.9	4.9	7.3	7.3	4.9	2.4	7.3	9.8	9.8	7.3	7.3
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):

	165°	170°	175°	180°
0°	1607.0	1607.0	1607.0	1607.0
2.5°	1153.8	1141.6	1126.9	1156.3
5°	867.2	857.4	847.6	864.8
7.5°	514.4	516.9	516.9	490.0
10°	384.6	362.6	338.1	338.1
12.5°	191.1	176.4	161.7	159.2
15°	137.2	139.6	142.1	142.1
17.5°	134.7	129.8	122.5	117.6
20°	120.0	124.9	127.4	127.4
22.5°	105.3	102.9	98.0	98.0
25°	105.3	107.8	110.2	110.2
27.5°	80.8	80.8	78.4	78.4
30°	78.4	78.4	78.4	78.4
32.5°	61.2	63.7	63.7	63.7
35°	51.4	51.4	51.4	51.4
37.5°	39.2	39.2	39.2	36.7
40°	29.4	29.4	29.4	29.4
42.5°	22.0	22.0	22.0	22.0
45°	17.1	17.1	17.1	17.1
47.5°	14.7	14.7	12.2	12.2
50°	9.8	9.8	9.8	9.8
52.5°	7.3	7.3	7.3	7.3
55°	4.9	4.9	4.9	4.9
57.5°	4.9	4.9	4.9	4.9
60°	2.4	2.4	2.4	2.4
62.5°	2.4	2.4	2.4	2.4
65°	2.4	2.4	2.4	2.4
67.5°	2.4	2.4	2.4	2.4
70°	2.4	2.4	2.4	2.4
72.5°	4.9	4.9	2.4	2.4
75°	4.9	4.9	2.4	2.4
77.5°	4.9	4.9	2.4	2.4
80°	4.9	4.9	2.4	2.4
82.5°	4.9	4.9	2.4	2.4
85°	4.9	4.9	4.9	2.4
87.5°	4.9	4.9	4.9	2.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)