

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: P560510

Luminaire Tested: **SDL-PA1-50-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560510
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-PA1-50-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 670mA 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: 4492.9 lumens
Efficiency: N/A
Efficacy: 85.7 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: B0 - U0 - G2

Input Watts (W): 52.4
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

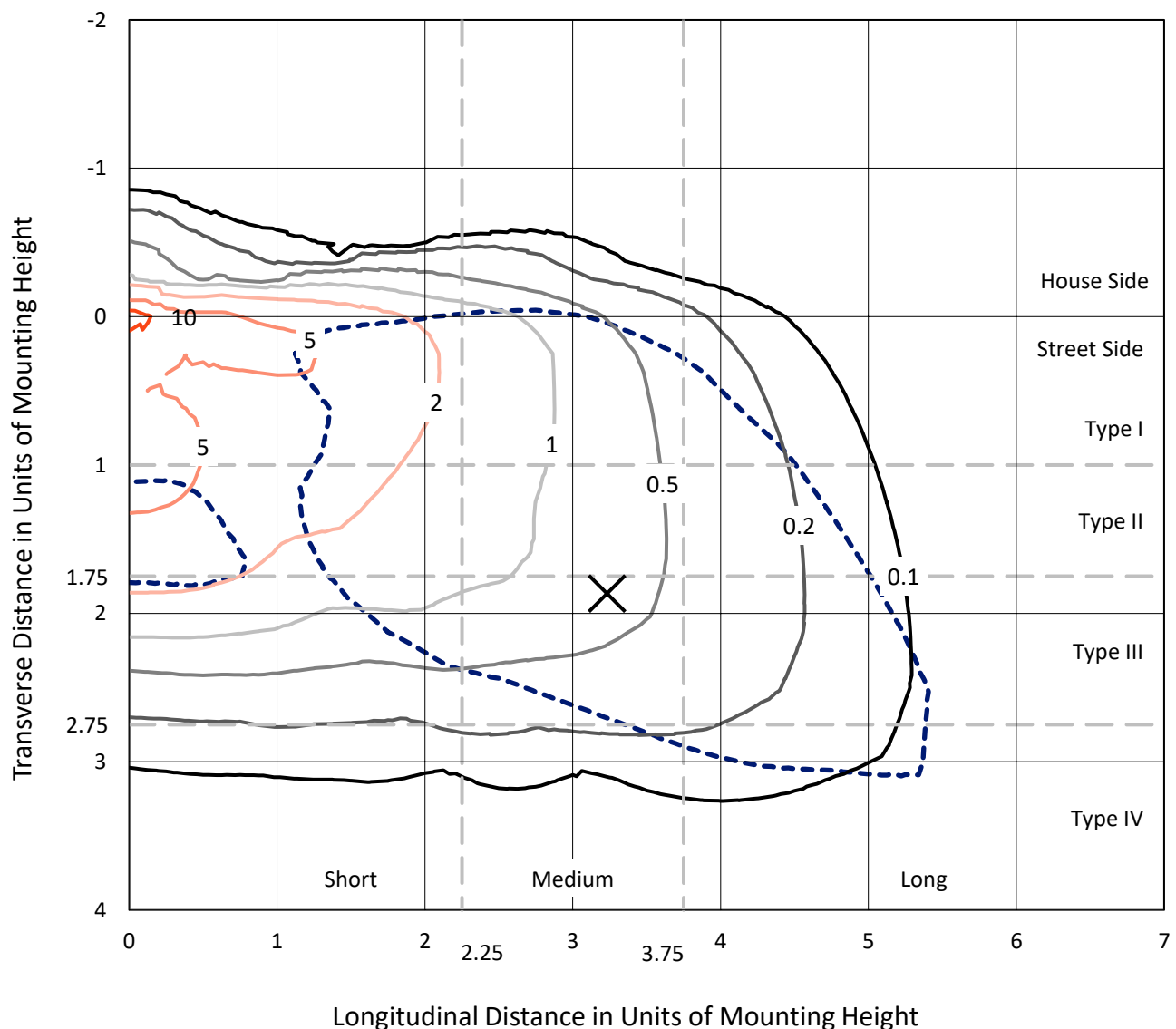


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

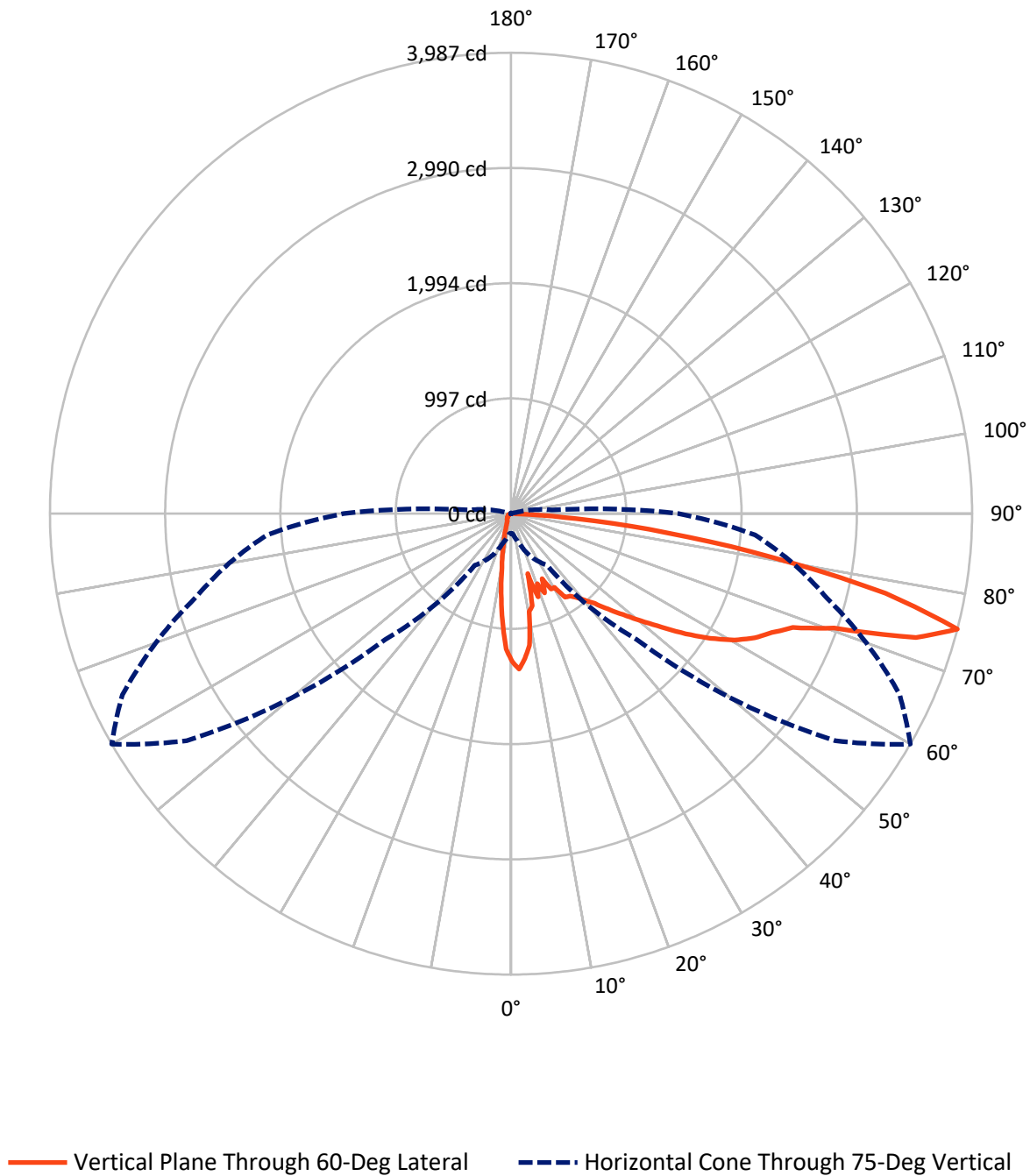


Based on 10 foot mounting height. Maximum calculated value = 12.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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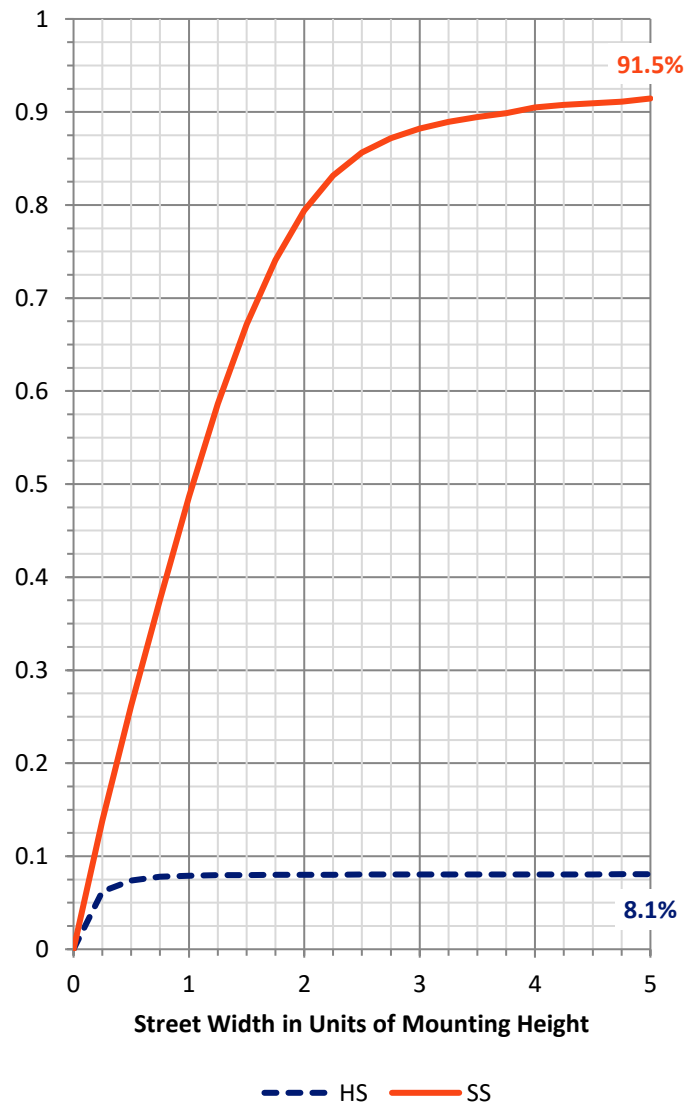
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	366.0	0.0	366.0
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	4126.8	0.0	4126.8
	% Fixture	91.9	0.0	91.9
Total	Lumens	4492.9	0.0	4492.9
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.6	2.0
10°-20°	147.0	3.3
20°-30°	210.6	4.7
30°-40°	375.0	8.3
40°-50°	617.2	13.7
50°-60°	951.7	21.2
60°-70°	1109.1	24.7
70°-80°	859.5	19.1
80°-90°	134.2	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°	4492.9	100.0
0°-180°	4492.9	100.0



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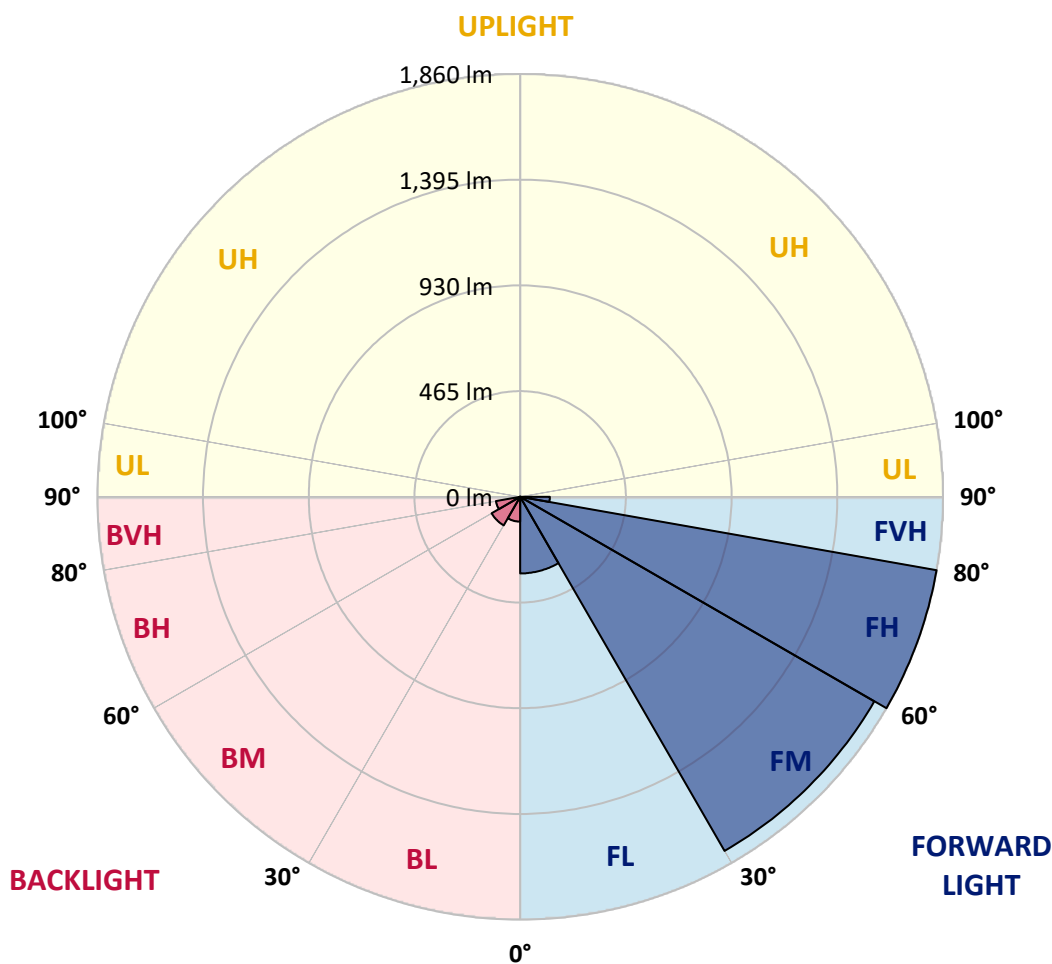
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	337.1	7.5			
FM	(30°-60°)	1798.9	40.0			
FH	(60°-80°)	1860.3	41.4			G2/5000
FVH	(80°-90°)	130.5	2.9			G2/225
BL	(0°-30°)	109.1	2.4	B0/110		
BM	(30°-60°)	144.9	3.2	B0/220		
BH	(60°-80°)	108.3	2.4	B0/110		G0/110
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B0-U0-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3
2.5°	1196.4	1241.2	1268.6	1293.9	1327.1	1360.3	1362.2	1364.2	1364.2	1364.2	1362.2
5°	1155.4	1159.3	1159.3	1159.3	1165.1	1171.0	1174.9	1176.8	1178.8	1178.8	1176.8
7.5°	903.6	975.8	1020.7	1063.6	1075.4	1087.1	1102.7	1116.3	1128.0	1137.8	1145.6
10°	1001.2	1009.0	1009.0	1007.0	1016.8	1024.6	948.5	870.4	901.7	932.9	893.9
12.5°	772.8	811.9	860.7	907.5	938.7	970.0	934.8	899.7	845.1	788.5	784.6
15°	903.6	909.5	911.4	913.4	860.7	806.0	741.6	675.3	720.2	765.0	700.6
17.5°	694.8	700.6	755.3	809.9	815.8	821.6	780.7	737.7	644.0	550.4	638.2
20°	831.4	835.3	835.3	835.3	731.9	628.4	636.2	642.1	671.4	700.6	679.2
22.5°	669.4	661.6	665.5	667.5	698.7	728.0	667.5	605.0	649.9	692.8	655.8
25°	837.3	839.2	827.5	813.8	722.1	628.4	661.6	692.8	640.1	585.5	638.2
27.5°	757.2	749.4	722.1	694.8	708.4	722.1	659.7	595.3	646.0	694.8	671.4
30°	997.3	993.4	958.3	921.2	811.9	700.6	688.9	675.3	646.0	614.8	655.8
32.5°	1331.0	1284.2	1153.4	1020.7	952.4	882.1	796.3	710.4	720.2	728.0	733.8
35°	1405.2	1383.7	1327.1	1270.5	1165.1	1057.8	940.7	821.6	794.3	767.0	782.6
37.5°	1424.7	1416.9	1409.1	1399.3	1274.4	1149.5	1032.4	913.4	891.9	868.5	850.9
40°	1444.2	1452.0	1475.4	1496.9	1379.8	1262.7	1153.4	1042.2	1016.8	991.4	946.5
42.5°	1522.3	1528.1	1563.3	1598.4	1485.2	1370.1	1274.4	1178.8	1141.7	1104.6	1063.6
45°	1688.2	1694.0	1713.5	1733.1	1627.7	1520.3	1414.9	1307.6	1278.3	1247.1	1200.3
47.5°	1918.5	1924.3	1914.6	1904.8	1783.8	1660.8	1535.9	1411.0	1401.3	1391.5	1342.7
50°	2181.9	2174.1	2121.4	2068.7	1936.0	1803.3	1656.9	1508.6	1516.4	1524.2	1489.1
52.5°	2302.9	2299.0	2238.5	2178.0	2041.4	1902.8	1750.6	1596.4	1623.8	1649.1	1629.6
55°	2295.1	2293.2	2252.2	2211.2	2082.4	1953.6	1811.1	1668.7	1731.1	1791.6	1779.9
57.5°	2209.3	2213.2	2207.3	2201.4	2088.3	1975.1	1859.9	1744.8	1838.4	1930.2	1945.8
60°	2074.6	2074.6	2103.9	2131.2	2064.8	1996.5	1900.9	1803.3	1932.1	2060.9	2100.0
62.5°	1793.6	1824.8	1887.2	1949.7	1971.2	1992.6	1914.6	1836.5	2014.1	2191.7	2248.3
65°	1381.8	1395.4	1508.6	1621.8	1727.2	1830.6	1836.5	1842.3	2113.6	2383.0	2402.5
67.5°	802.1	858.7	983.6	1106.6	1313.5	1518.4	1623.8	1729.2	2156.6	2582.0	2603.5
70°	421.6	445.0	505.5	564.0	749.4	932.9	1194.4	1454.0	2057.0	2658.1	2845.5
72.5°	288.8	310.3	343.5	376.7	446.9	515.2	702.6	888.0	1637.4	2386.9	2968.4
75°	169.8	175.6	216.6	257.6	333.7	409.8	478.2	544.5	1042.2	1537.9	2480.5
77.5°	68.3	74.2	91.7	109.3	216.6	322.0	392.3	462.5	581.6	700.6	1703.8
80°	37.1	37.1	44.9	50.7	97.6	142.5	263.5	384.5	443.0	501.6	1104.6
82.5°	21.5	21.5	27.3	31.2	48.8	66.4	150.3	234.2	345.4	454.7	745.5
85°	7.8	7.8	9.8	11.7	23.4	33.2	54.6	74.2	214.7	353.2	429.4
87.5°	2.0	2.0	3.9	3.9	5.9	7.8	9.8	9.8	7.8	5.9	39.0
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°	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3
2.5°	1358.3	1346.6	1338.8	1325.2	1311.5	1299.8	1286.1	1268.6	1254.9	1237.3	1219.8
5°	1174.9	1256.9	1340.8	1333.0	1323.2	1295.9	1268.6	1237.3	1208.1	1172.9	1137.8
7.5°	1151.5	1149.5	1069.5	1110.5	1149.5	1118.3	1087.1	1051.9	1012.9	944.6	876.3
10°	854.8	860.7	858.7	868.5	878.2	903.6	927.0	876.3	827.5	720.2	610.9
12.5°	780.7	817.7	827.5	761.1	694.8	722.1	749.4	698.7	649.9	550.4	450.8
15°	634.3	538.7	675.3	765.0	852.9	866.5	878.2	811.9	733.8	597.2	458.6
17.5°	724.1	757.2	718.2	720.2	720.2	722.1	724.1	663.6	585.5	482.1	378.6
20°	657.7	647.9	651.8	716.3	780.7	823.6	864.6	772.8	673.3	513.3	351.3
22.5°	618.7	745.5	800.2	772.8	745.5	677.2	607.0	536.7	454.7	374.7	292.7
25°	688.9	622.6	665.5	770.9	876.3	876.3	876.3	755.3	620.6	448.9	277.1
27.5°	647.9	739.7	782.6	866.5	948.5	983.6	1016.8	862.6	685.0	472.3	257.6
30°	696.7	739.7	891.9	1059.7	1227.6	1198.3	1167.1	970.0	745.5	495.7	245.9
32.5°	739.7	860.7	995.3	1122.2	1249.0	1215.9	1180.7	962.2	710.4	446.9	183.5
35°	798.2	876.3	1001.2	1155.4	1309.6	1258.8	1206.1	966.1	683.1	409.8	136.6
37.5°	833.4	919.2	1053.9	1215.9	1375.9	1313.5	1251.0	983.6	659.7	382.5	105.4
40°	899.7	985.6	1120.2	1290.0	1459.8	1387.6	1313.5	1014.9	646.0	366.9	87.8
42.5°	1022.7	1061.7	1212.0	1391.5	1571.1	1495.0	1416.9	1081.2	642.1	359.1	76.1
45°	1151.5	1176.8	1309.6	1510.6	1709.6	1631.6	1551.6	1163.2	655.8	365.0	72.2
47.5°	1292.0	1305.6	1426.6	1676.5	1926.3	1818.9	1711.6	1276.4	685.0	376.7	68.3
50°	1454.0	1454.0	1571.1	1840.4	2109.7	1998.5	1887.2	1409.1	722.1	394.2	66.4
52.5°	1608.2	1629.6	1719.4	1994.6	2269.8	2166.3	2060.9	1555.5	770.9	417.7	62.5
55°	1766.2	1834.5	1867.7	2148.8	2429.8	2310.7	2191.7	1662.8	800.2	429.4	58.5
57.5°	1961.4	2033.6	2051.2	2289.3	2527.4	2412.2	2295.1	1754.5	821.6	439.1	56.6
60°	2139.0	2221.0	2256.1	2431.7	2605.4	2486.4	2367.3	1834.5	841.2	446.9	50.7
62.5°	2302.9	2365.4	2420.0	2533.2	2646.4	2535.2	2422.0	1904.8	852.9	448.9	44.9
65°	2422.0	2478.6	2556.6	2621.1	2685.5	2601.5	2517.6	2025.8	886.0	460.6	33.2
67.5°	2623.0	2628.9	2673.7	2726.4	2779.1	2734.2	2689.4	2193.6	925.1	476.2	25.4
70°	3030.9	2964.5	2906.0	2958.7	3009.4	2947.0	2884.5	2242.4	835.3	427.4	19.5
72.5°	3550.0	3661.3	3378.3	3269.0	3157.8	2927.5	2695.2	1930.2	593.3	304.5	15.6
75°	3423.2	3987.2	3708.1	3269.0	2829.9	2474.7	2117.5	1448.1	365.0	189.3	11.7
77.5°	2705.0	3310.0	3210.4	2757.7	2302.9	1865.8	1428.6	889.9	128.8	70.3	11.7
80°	1707.7	2289.3	2203.4	1791.6	1377.9	979.7	581.6	271.3	48.8	31.2	13.7
82.5°	1036.3	1364.2	1071.5	671.4	271.3	191.3	111.2	58.5	15.6	13.7	11.7
85°	503.5	564.0	368.9	212.7	54.6	50.7	44.9	29.3	7.8	7.8	5.9
87.5°	70.3	50.7	31.2	21.5	9.8	9.8	9.8	5.9	5.9	5.9	3.9
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°	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3	1280.3
2.5°	1206.1	1190.5	1172.9	1155.4	1135.9	1116.3	1059.7	1001.2	970.0	936.8	929.0
5°	1073.4	1009.0	929.0	847.0	811.9	776.8	759.2	739.7	728.0	714.3	702.6
7.5°	786.5	694.8	694.8	692.8	663.6	634.3	601.1	566.0	544.5	523.0	466.4
10°	562.1	511.3	476.2	441.1	427.4	413.7	370.8	325.9	329.8	331.8	320.1
12.5°	435.2	417.7	353.2	288.8	267.4	245.9	232.2	218.6	199.1	179.6	165.9
15°	372.8	286.9	238.1	189.3	167.8	144.4	124.9	103.4	97.6	89.8	99.5
17.5°	306.4	232.2	185.4	138.6	107.3	76.1	80.0	83.9	91.7	99.5	103.4
20°	263.5	175.6	134.7	93.7	83.9	74.2	78.1	80.0	78.1	74.2	85.9
22.5°	214.7	136.6	103.4	68.3	70.3	72.2	66.4	60.5	72.2	83.9	83.9
25°	183.5	89.8	80.0	70.3	64.4	58.5	66.4	72.2	68.3	64.4	74.2
27.5°	167.8	78.1	68.3	58.5	60.5	62.5	60.5	56.6	62.5	68.3	66.4
30°	160.0	72.2	66.4	58.5	56.6	52.7	54.6	54.6	52.7	50.7	56.6
32.5°	128.8	74.2	64.4	52.7	50.7	46.8	44.9	42.9	44.9	46.8	48.8
35°	103.4	68.3	60.5	50.7	46.8	42.9	41.0	37.1	37.1	37.1	39.0
37.5°	83.9	62.5	54.6	44.9	41.0	37.1	35.1	31.2	31.2	31.2	31.2
40°	74.2	58.5	50.7	41.0	37.1	31.2	29.3	25.4	25.4	23.4	23.4
42.5°	64.4	52.7	44.9	35.1	31.2	27.3	23.4	19.5	19.5	17.6	17.6
45°	60.5	48.8	41.0	33.2	27.3	21.5	19.5	15.6	15.6	13.7	13.7
47.5°	58.5	46.8	39.0	29.3	23.4	17.6	15.6	11.7	11.7	11.7	11.7
50°	54.6	42.9	35.1	25.4	21.5	15.6	13.7	9.8	9.8	9.8	9.8
52.5°	52.7	41.0	31.2	21.5	17.6	11.7	9.8	7.8	7.8	7.8	7.8
55°	50.7	42.9	31.2	19.5	15.6	9.8	7.8	5.9	5.9	5.9	5.9
57.5°	48.8	41.0	29.3	15.6	11.7	7.8	5.9	3.9	3.9	3.9	3.9
60°	42.9	35.1	23.4	11.7	9.8	5.9	3.9	2.0	3.9	3.9	3.9
62.5°	37.1	27.3	19.5	9.8	7.8	3.9	3.9	2.0	3.9	3.9	3.9
65°	27.3	21.5	15.6	7.8	5.9	2.0	2.0	2.0	3.9	3.9	3.9
67.5°	21.5	15.6	11.7	5.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9
70°	15.6	11.7	7.8	3.9	3.9	2.0	2.0	2.0	3.9	3.9	3.9
72.5°	11.7	7.8	5.9	3.9	3.9	2.0	3.9	3.9	3.9	3.9	3.9
75°	9.8	7.8	5.9	3.9	3.9	2.0	3.9	3.9	5.9	5.9	5.9
77.5°	9.8	5.9	5.9	3.9	3.9	2.0	3.9	5.9	5.9	5.9	5.9
80°	9.8	5.9	5.9	3.9	3.9	2.0	3.9	5.9	5.9	5.9	5.9
82.5°	9.8	5.9	5.9	3.9	3.9	2.0	3.9	5.9	5.9	5.9	5.9
85°	5.9	5.9	5.9	5.9	3.9	2.0	5.9	7.8	7.8	5.9	5.9
87.5°	3.9	3.9	5.9	5.9	3.9	2.0	5.9	7.8	7.8	5.9	5.9
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°	1280.3	1280.3	1280.3	1280.3
2.5°	919.2	909.5	897.8	921.2
5°	690.9	683.1	675.3	688.9
7.5°	409.8	411.8	411.8	390.3
10°	306.4	288.8	269.3	269.3
12.5°	152.2	140.5	128.8	126.9
15°	109.3	111.2	113.2	113.2
17.5°	107.3	103.4	97.6	93.7
20°	95.6	99.5	101.5	101.5
22.5°	83.9	82.0	78.1	78.1
25°	83.9	85.9	87.8	87.8
27.5°	64.4	64.4	62.5	62.5
30°	62.5	62.5	62.5	62.5
32.5°	48.8	50.7	50.7	50.7
35°	41.0	41.0	41.0	41.0
37.5°	31.2	31.2	31.2	29.3
40°	23.4	23.4	23.4	23.4
42.5°	17.6	17.6	17.6	17.6
45°	13.7	13.7	13.7	13.7
47.5°	11.7	11.7	9.8	9.8
50°	7.8	7.8	7.8	7.8
52.5°	5.9	5.9	5.9	5.9
55°	3.9	3.9	3.9	3.9
57.5°	3.9	3.9	3.9	3.9
60°	2.0	2.0	2.0	2.0
62.5°	2.0	2.0	2.0	2.0
65°	2.0	2.0	2.0	2.0
67.5°	2.0	2.0	2.0	2.0
70°	2.0	2.0	2.0	2.0
72.5°	3.9	3.9	2.0	2.0
75°	3.9	3.9	2.0	2.0
77.5°	3.9	3.9	2.0	2.0
80°	3.9	3.9	2.0	2.0
82.5°	3.9	3.9	2.0	2.0
85°	3.9	3.9	3.9	2.0
87.5°	3.9	3.9	3.9	2.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)