

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: P560334

Luminaire Tested: **SDL-PA1-40-727-U-SL3-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560334
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-PA1-40-727-U-SL3-HSS
Description: Springdale
(1) 70 CRI, 2700K, 500mA 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: 3462.7 lumens
Efficiency: N/A
Efficacy: 87.9 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): 39.4
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

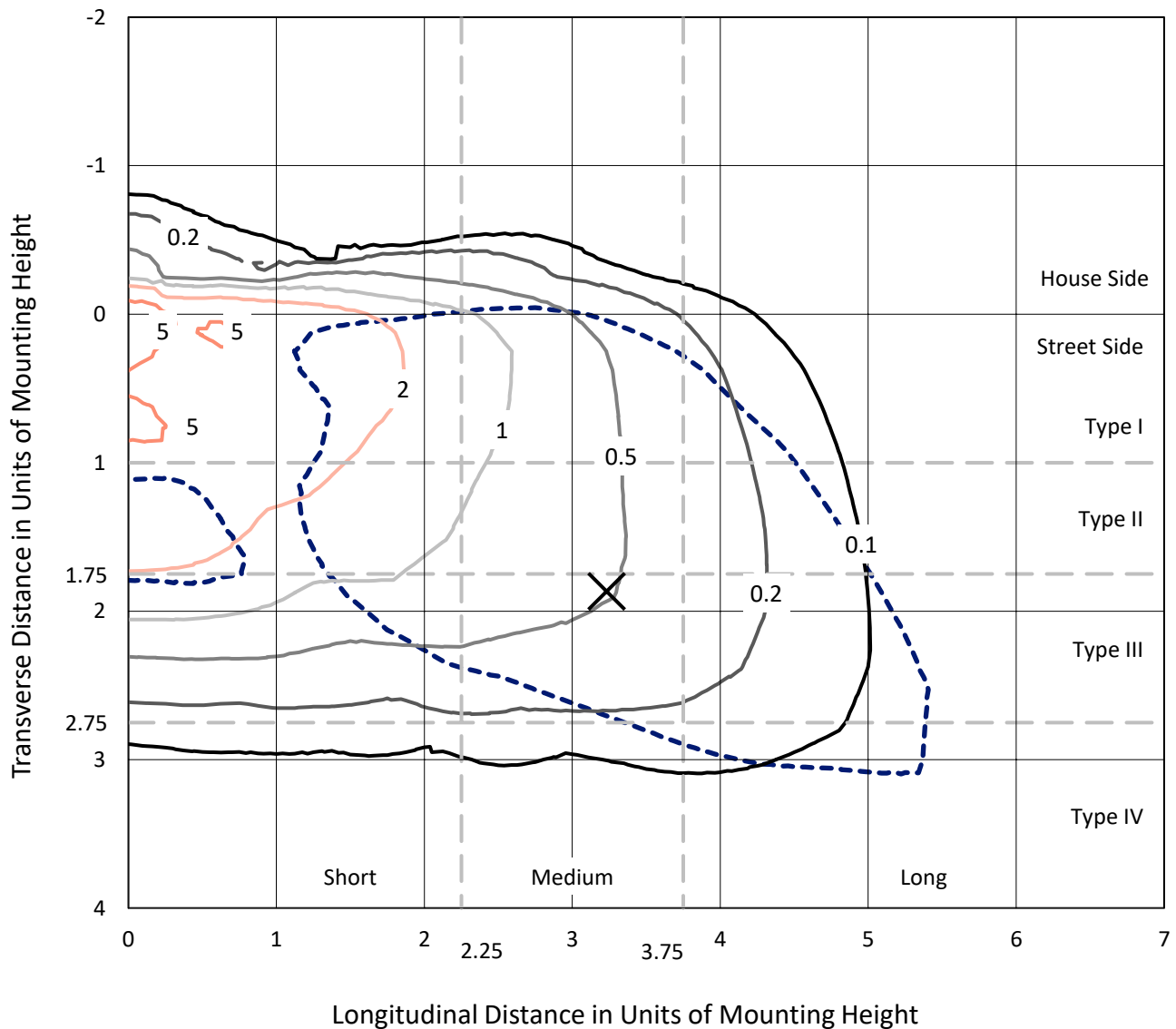


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

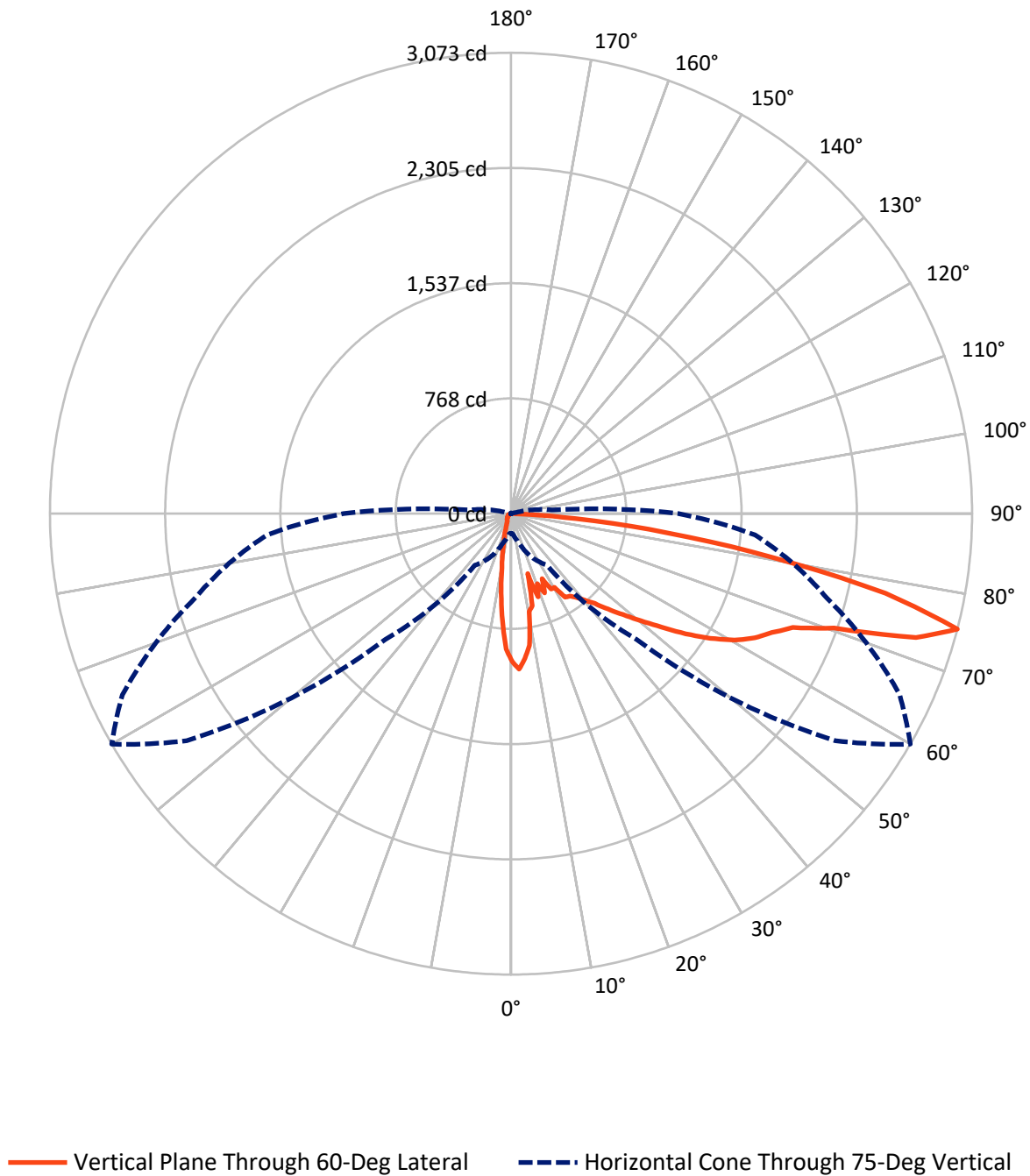


Based on 10 foot mounting height. Maximum calculated value = 9.9 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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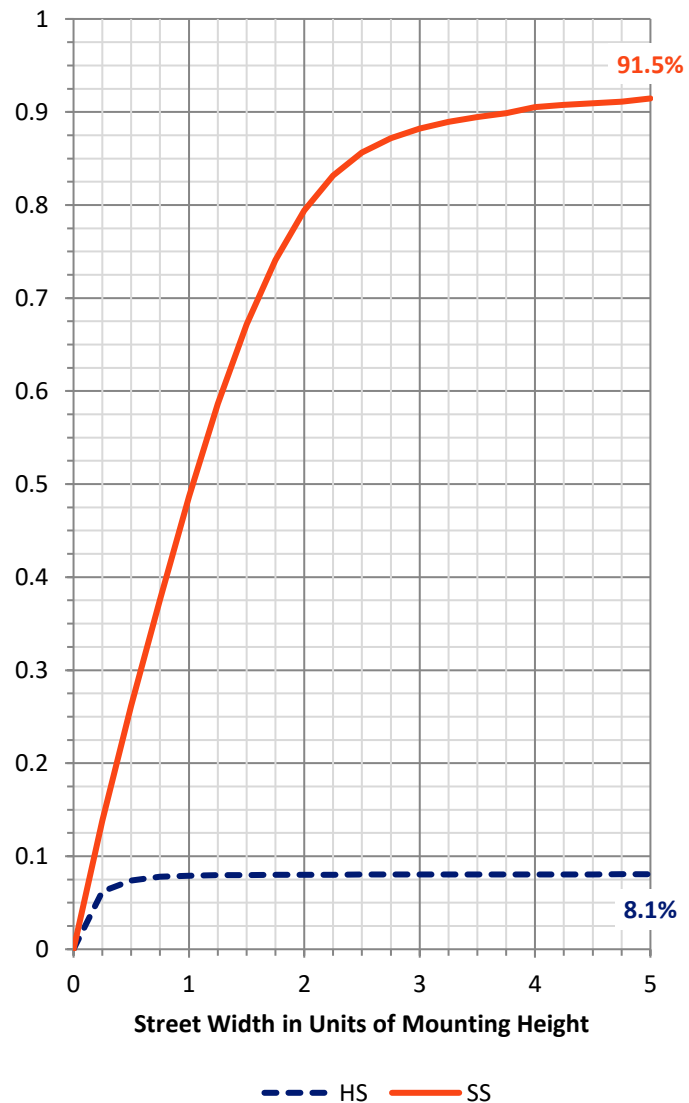
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	282.1	0.0	282.1
	% Fixture	8.1	0.0	8.1
Street Side	Lumens	3180.7	0.0	3180.7
	% Fixture	91.9	0.0	91.9
Total	Lumens	3462.7	0.0	3462.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.3	2.0
10°-20°	113.3	3.3
20°-30°	162.3	4.7
30°-40°	289.0	8.3
40°-50°	475.7	13.7
50°-60°	733.5	21.2
60°-70°	854.8	24.7
70°-80°	662.4	19.1
80°-90°	103.4	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°	3462.7	100.0
0°-180°	3462.7	100.0

Coefficient of Utilization



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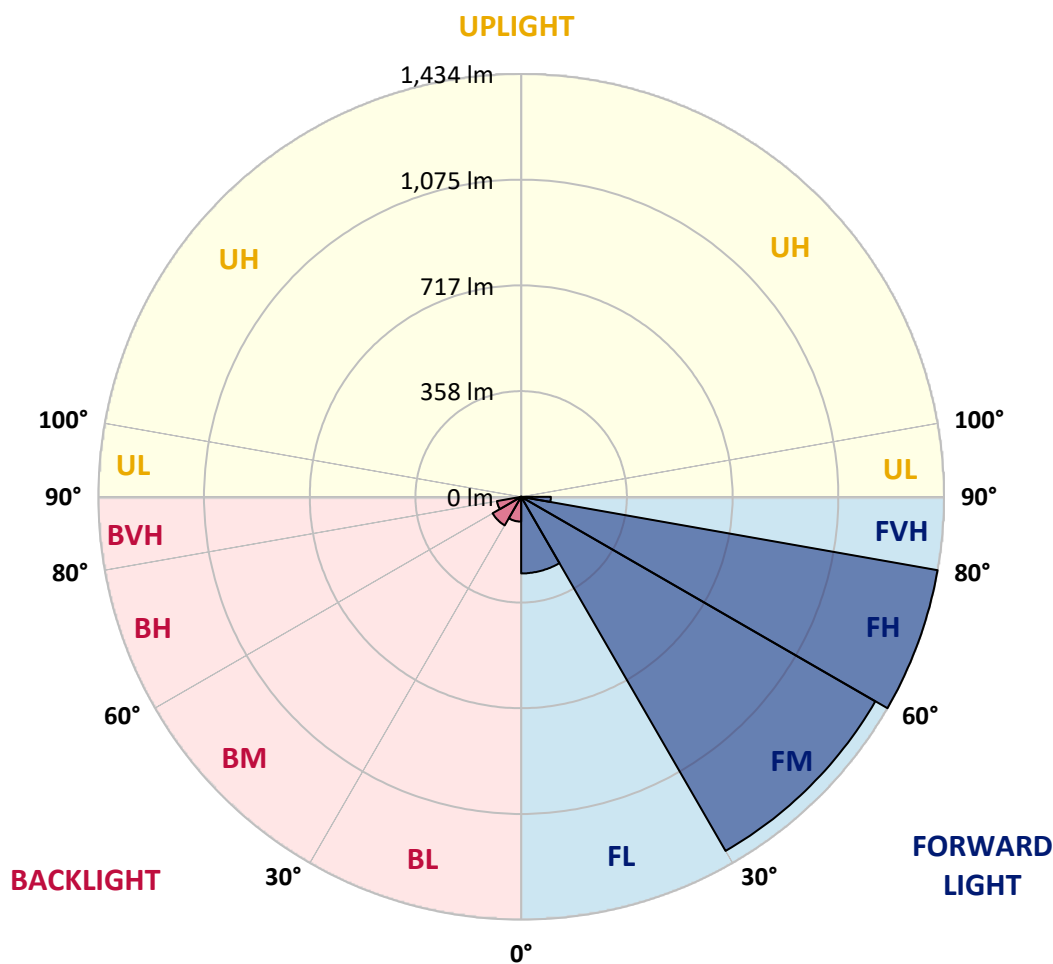
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	259.8	7.5			
FM	(30°-60°)	1386.5	40.0			
FH	(60°-80°)	1433.8	41.4			G1/1800
FVH	(80°-90°)	100.6	2.9			G2/225
BL	(0°-30°)	84.1	2.4	B0/110		
BM	(30°-60°)	111.7	3.2	B0/220		
BH	(60°-80°)	83.4	2.4	B0/110		G0/110
BVH	(80°-90°)	2.8	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°	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7
2.5°	922.1	956.7	977.7	997.3	1022.8	1048.4	1049.9	1051.4	1051.4	1051.4	1049.9
5°	890.5	893.5	893.5	893.5	898.0	902.5	905.5	907.0	908.5	908.5	907.0
7.5°	696.4	752.1	786.7	819.8	828.8	837.8	849.9	860.4	869.4	876.9	883.0
10°	771.6	777.7	777.7	776.2	783.7	789.7	731.0	670.9	694.9	719.0	688.9
12.5°	595.7	625.7	663.3	699.4	723.5	747.6	720.5	693.4	651.3	607.7	604.7
15°	696.4	700.9	702.4	704.0	663.3	621.2	571.6	520.4	555.0	589.6	540.0
17.5°	535.5	540.0	582.1	624.2	628.7	633.3	601.7	568.6	496.4	424.2	491.9
20°	640.8	643.8	643.8	643.8	564.1	484.3	490.4	494.9	517.4	540.0	523.5
22.5°	515.9	509.9	512.9	514.4	538.5	561.1	514.4	466.3	500.9	534.0	505.4
25°	645.3	646.8	637.8	627.2	556.5	484.3	509.9	534.0	493.4	451.3	491.9
27.5°	583.6	577.6	556.5	535.5	546.0	556.5	508.4	458.8	497.9	535.5	517.4
30°	768.6	765.6	738.5	710.0	625.7	540.0	531.0	520.4	497.9	473.8	505.4
32.5°	1025.8	989.7	889.0	786.7	734.0	679.9	613.7	547.5	555.0	561.1	565.6
35°	1083.0	1066.5	1022.8	979.2	898.0	815.3	725.0	633.3	612.2	591.1	603.2
37.5°	1098.0	1092.0	1086.0	1078.5	982.2	886.0	795.7	704.0	687.4	669.4	655.8
40°	1113.1	1119.1	1137.2	1153.7	1063.5	973.2	889.0	803.2	783.7	764.1	729.5
42.5°	1173.3	1177.8	1204.8	1231.9	1144.7	1055.9	982.2	908.5	879.9	851.4	819.8
45°	1301.1	1305.6	1320.7	1335.7	1254.5	1171.8	1090.5	1007.8	985.2	961.2	925.1
47.5°	1478.6	1483.1	1475.6	1468.1	1374.8	1280.1	1183.8	1087.5	1080.0	1072.5	1034.9
50°	1681.7	1675.7	1635.0	1594.4	1492.1	1389.9	1277.0	1162.7	1168.7	1174.8	1147.7
52.5°	1774.9	1771.9	1725.3	1678.7	1573.4	1466.6	1349.2	1230.4	1251.5	1271.0	1256.0
55°	1768.9	1767.4	1735.8	1704.2	1605.0	1505.7	1395.9	1286.1	1334.2	1380.8	1371.8
57.5°	1702.7	1705.7	1701.2	1696.7	1609.5	1522.2	1433.5	1344.7	1416.9	1487.6	1499.7
60°	1598.9	1598.9	1621.5	1642.6	1591.4	1538.8	1465.1	1389.9	1489.1	1588.4	1618.5
62.5°	1382.3	1406.4	1454.5	1502.7	1519.2	1535.8	1475.6	1415.4	1552.3	1689.2	1732.8
65°	1065.0	1075.5	1162.7	1250.0	1331.2	1410.9	1415.4	1419.9	1629.0	1836.6	1851.6
67.5°	618.2	661.8	758.1	852.9	1012.3	1170.2	1251.5	1332.7	1662.1	1990.0	2006.6
70°	324.9	343.0	389.6	434.7	577.6	719.0	920.6	1120.6	1585.4	2048.7	2193.1
72.5°	222.6	239.2	264.7	290.3	344.5	397.1	541.5	684.4	1262.0	1839.6	2287.9
75°	130.9	135.4	167.0	198.6	257.2	315.9	368.5	419.7	803.2	1185.3	1911.8
77.5°	52.6	57.2	70.7	84.2	167.0	248.2	302.3	356.5	448.2	540.0	1313.1
80°	28.6	28.6	34.6	39.1	75.2	109.8	203.1	296.3	341.4	386.6	851.4
82.5°	16.5	16.5	21.1	24.1	37.6	51.1	115.8	180.5	266.2	350.5	574.6
85°	6.0	6.0	7.5	9.0	18.1	25.6	42.1	57.2	165.5	272.3	330.9
87.5°	1.5	1.5	3.0	3.0	4.5	6.0	7.5	7.5	6.0	4.5	30.1
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7
2.5°	1046.9	1037.9	1031.9	1021.3	1010.8	1001.8	991.3	977.7	967.2	953.6	940.1
5°	905.5	968.7	1033.4	1027.4	1019.8	998.8	977.7	953.6	931.1	904.0	876.9
7.5°	887.5	886.0	824.3	855.9	886.0	861.9	837.8	810.8	780.7	728.0	675.4
10°	658.8	663.3	661.8	669.4	676.9	696.4	714.5	675.4	637.8	555.0	470.8
12.5°	601.7	630.2	637.8	586.6	535.5	556.5	577.6	538.5	500.9	424.2	347.5
15°	488.9	415.2	520.4	589.6	657.3	667.9	676.9	625.7	565.6	460.3	353.5
17.5°	558.0	583.6	553.5	555.0	555.0	556.5	558.0	511.4	451.3	371.5	291.8
20°	506.9	499.4	502.4	552.0	601.7	634.8	666.3	595.7	518.9	395.6	270.8
22.5°	476.8	574.6	616.7	595.7	574.6	521.9	467.8	413.6	350.5	288.8	225.6
25°	531.0	479.8	512.9	594.1	675.4	675.4	675.4	582.1	478.3	346.0	213.6
27.5°	499.4	570.1	603.2	667.9	731.0	758.1	783.7	664.8	528.0	364.0	198.6
30°	537.0	570.1	687.4	816.8	946.1	923.6	899.5	747.6	574.6	382.1	189.5
32.5°	570.1	663.3	767.1	864.9	962.7	937.1	910.0	741.6	547.5	344.5	141.4
35°	615.2	675.4	771.6	890.5	1009.3	970.2	929.6	744.6	526.5	315.9	105.3
37.5°	642.3	708.5	812.3	937.1	1060.4	1012.3	964.2	758.1	508.4	294.8	81.2
40°	693.4	759.6	863.4	994.3	1125.1	1069.5	1012.3	782.2	497.9	282.8	67.7
42.5°	788.2	818.3	934.1	1072.5	1210.9	1152.2	1092.0	833.3	494.9	276.8	58.7
45°	887.5	907.0	1009.3	1164.2	1317.7	1257.5	1195.8	896.5	505.4	281.3	55.7
47.5°	995.8	1006.3	1099.6	1292.1	1484.6	1401.9	1319.2	983.7	528.0	290.3	52.6
50°	1120.6	1120.6	1210.9	1418.4	1626.0	1540.3	1454.5	1086.0	556.5	303.8	51.1
52.5°	1239.4	1256.0	1325.2	1537.3	1749.4	1669.6	1588.4	1198.8	594.1	321.9	48.1
55°	1361.3	1413.9	1439.5	1656.1	1872.7	1780.9	1689.2	1281.6	616.7	330.9	45.1
57.5°	1511.7	1567.4	1580.9	1764.4	1947.9	1859.2	1768.9	1352.3	633.3	338.4	43.6
60°	1648.6	1711.8	1738.8	1874.2	2008.1	1916.3	1824.6	1413.9	648.3	344.5	39.1
62.5°	1774.9	1823.1	1865.2	1952.4	2039.7	1953.9	1866.7	1468.1	657.3	346.0	34.6
65°	1866.7	1910.3	1970.5	2020.1	2069.7	2005.1	1940.4	1561.3	682.9	355.0	25.6
67.5°	2021.6	2026.1	2060.7	2101.3	2141.9	2107.3	2072.8	1690.7	713.0	367.0	19.6
70°	2336.0	2284.8	2239.7	2280.3	2319.4	2271.3	2223.2	1728.3	643.8	329.4	15.0
72.5°	2736.1	2821.8	2603.7	2519.5	2433.8	2256.3	2077.3	1487.6	457.3	234.7	12.0
75°	2638.3	3073.0	2857.9	2519.5	2181.1	1907.3	1632.0	1116.1	281.3	145.9	9.0
77.5°	2084.8	2551.1	2474.4	2125.4	1774.9	1438.0	1101.1	685.9	99.3	54.2	9.0
80°	1316.2	1764.4	1698.2	1380.8	1061.9	755.1	448.2	209.1	37.6	24.1	10.5
82.5°	798.7	1051.4	825.8	517.4	209.1	147.4	85.7	45.1	12.0	10.5	9.0
85°	388.1	434.7	284.3	164.0	42.1	39.1	34.6	22.6	6.0	6.0	4.5
87.5°	54.2	39.1	24.1	16.5	7.5	7.5	7.5	4.5	4.5	4.5	3.0
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7	986.7
2.5°	929.6	917.5	904.0	890.5	875.4	860.4	816.8	771.6	747.6	722.0	716.0
5°	827.3	777.7	716.0	652.8	625.7	598.7	585.1	570.1	561.1	550.5	541.5
7.5°	606.2	535.5	535.5	534.0	511.4	488.9	463.3	436.2	419.7	403.1	359.5
10°	433.2	394.1	367.0	339.9	329.4	318.9	285.8	251.2	254.2	255.7	246.7
12.5°	335.4	321.9	272.3	222.6	206.1	189.5	179.0	168.5	153.4	138.4	127.9
15°	287.3	221.1	183.5	145.9	129.4	111.3	96.3	79.7	75.2	69.2	76.7
17.5°	236.2	179.0	142.9	106.8	82.7	58.7	61.7	64.7	70.7	76.7	79.7
20°	203.1	135.4	103.8	72.2	64.7	57.2	60.2	61.7	60.2	57.2	66.2
22.5°	165.5	105.3	79.7	52.6	54.2	55.7	51.1	46.6	55.7	64.7	64.7
25°	141.4	69.2	61.7	54.2	49.6	45.1	51.1	55.7	52.6	49.6	57.2
27.5°	129.4	60.2	52.6	45.1	46.6	48.1	46.6	43.6	48.1	52.6	51.1
30°	123.3	55.7	51.1	45.1	43.6	40.6	42.1	42.1	40.6	39.1	43.6
32.5°	99.3	57.2	49.6	40.6	39.1	36.1	34.6	33.1	34.6	36.1	37.6
35°	79.7	52.6	46.6	39.1	36.1	33.1	31.6	28.6	28.6	28.6	30.1
37.5°	64.7	48.1	42.1	34.6	31.6	28.6	27.1	24.1	24.1	24.1	24.1
40°	57.2	45.1	39.1	31.6	28.6	24.1	22.6	19.6	19.6	18.1	18.1
42.5°	49.6	40.6	34.6	27.1	24.1	21.1	18.1	15.0	15.0	13.5	13.5
45°	46.6	37.6	31.6	25.6	21.1	16.5	15.0	12.0	12.0	10.5	10.5
47.5°	45.1	36.1	30.1	22.6	18.1	13.5	12.0	9.0	9.0	9.0	9.0
50°	42.1	33.1	27.1	19.6	16.5	12.0	10.5	7.5	7.5	7.5	7.5
52.5°	40.6	31.6	24.1	16.5	13.5	9.0	7.5	6.0	6.0	6.0	6.0
55°	39.1	33.1	24.1	15.0	12.0	7.5	6.0	4.5	4.5	4.5	4.5
57.5°	37.6	31.6	22.6	12.0	9.0	6.0	4.5	3.0	3.0	3.0	3.0
60°	33.1	27.1	18.1	9.0	7.5	4.5	3.0	1.5	3.0	3.0	3.0
62.5°	28.6	21.1	15.0	7.5	6.0	3.0	3.0	1.5	3.0	3.0	3.0
65°	21.1	16.5	12.0	6.0	4.5	1.5	1.5	1.5	3.0	3.0	3.0
67.5°	16.5	12.0	9.0	4.5	3.0	1.5	1.5	1.5	3.0	3.0	3.0
70°	12.0	9.0	6.0	3.0	3.0	1.5	1.5	1.5	3.0	3.0	3.0
72.5°	9.0	6.0	4.5	3.0	3.0	1.5	3.0	3.0	3.0	3.0	3.0
75°	7.5	6.0	4.5	3.0	3.0	1.5	3.0	3.0	4.5	4.5	4.5
77.5°	7.5	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	4.5	4.5
80°	7.5	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	4.5	4.5
82.5°	7.5	4.5	4.5	3.0	3.0	1.5	3.0	4.5	4.5	4.5	4.5
85°	4.5	4.5	4.5	4.5	3.0	1.5	4.5	6.0	6.0	4.5	4.5
87.5°	3.0	3.0	4.5	4.5	3.0	1.5	4.5	6.0	6.0	4.5	4.5
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):

	165°	170°	175°	180°
0°	986.7	986.7	986.7	986.7
2.5°	708.5	700.9	691.9	710.0
5°	532.5	526.5	520.4	531.0
7.5°	315.9	317.4	317.4	300.8
10°	236.2	222.6	207.6	207.6
12.5°	117.3	108.3	99.3	97.8
15°	84.2	85.7	87.2	87.2
17.5°	82.7	79.7	75.2	72.2
20°	73.7	76.7	78.2	78.2
22.5°	64.7	63.2	60.2	60.2
25°	64.7	66.2	67.7	67.7
27.5°	49.6	49.6	48.1	48.1
30°	48.1	48.1	48.1	48.1
32.5°	37.6	39.1	39.1	39.1
35°	31.6	31.6	31.6	31.6
37.5°	24.1	24.1	24.1	22.6
40°	18.1	18.1	18.1	18.1
42.5°	13.5	13.5	13.5	13.5
45°	10.5	10.5	10.5	10.5
47.5°	9.0	9.0	7.5	7.5
50°	6.0	6.0	6.0	6.0
52.5°	4.5	4.5	4.5	4.5
55°	3.0	3.0	3.0	3.0
57.5°	3.0	3.0	3.0	3.0
60°	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	1.5	1.5
65°	1.5	1.5	1.5	1.5
67.5°	1.5	1.5	1.5	1.5
70°	1.5	1.5	1.5	1.5
72.5°	3.0	3.0	1.5	1.5
75°	3.0	3.0	1.5	1.5
77.5°	3.0	3.0	1.5	1.5
80°	3.0	3.0	1.5	1.5
82.5°	3.0	3.0	1.5	1.5
85°	3.0	3.0	3.0	1.5
87.5°	3.0	3.0	3.0	1.5
90°	0.0	0.0	0.0	0.0

(END OF REPORT)