

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: P560350

Luminaire Tested: **SDL-PA1-40-727-U-T4W-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560350
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-PA1-40-727-U-T4W-HSS
Description: Springdale
(1) 70 CRI, 2700K, 500mA 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: 3003.7 lumens
Efficiency: N/A
Efficacy: 76.2 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 - G1

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

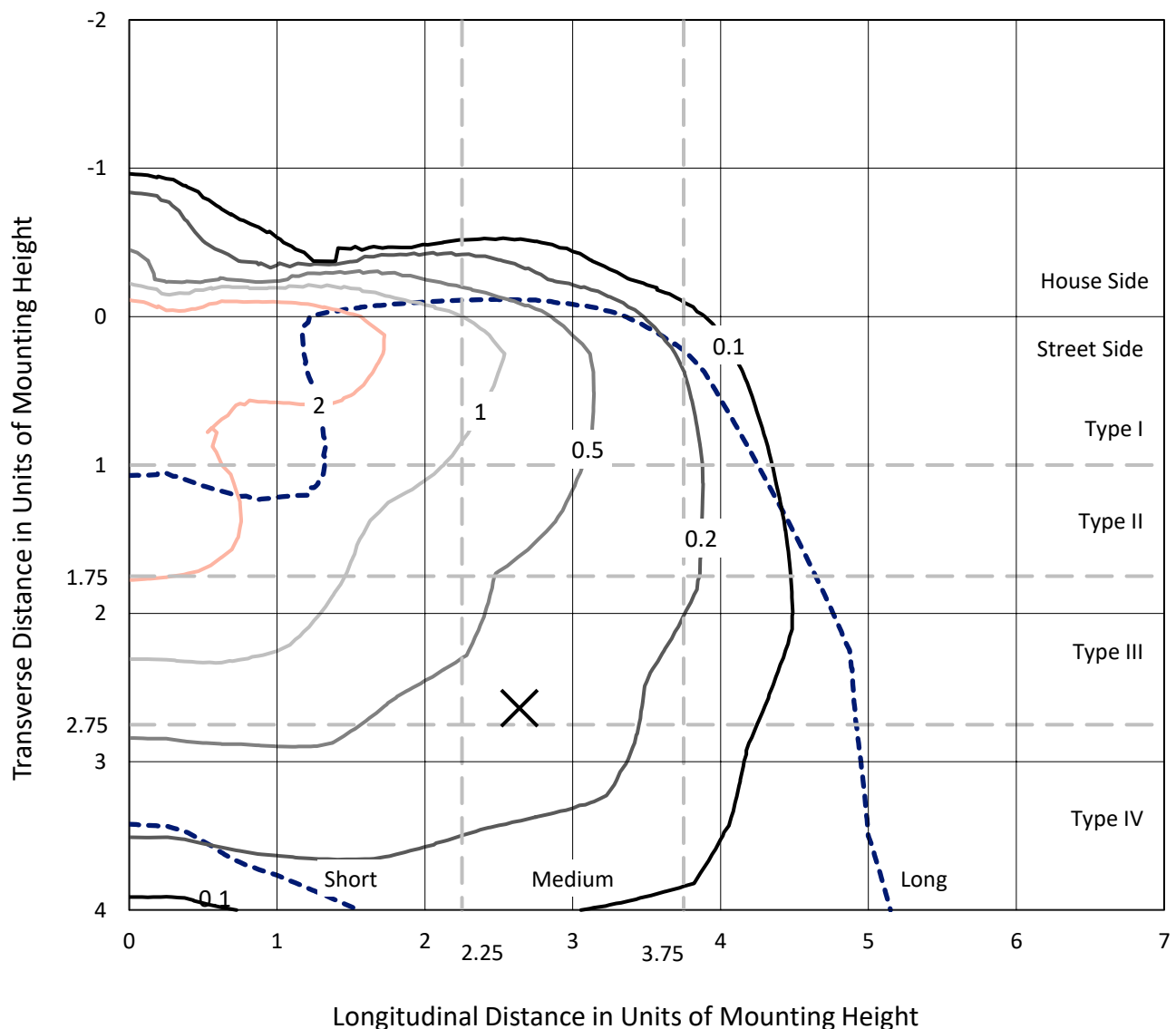


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Iso-Footcandle Lines of Horizontal Illumination

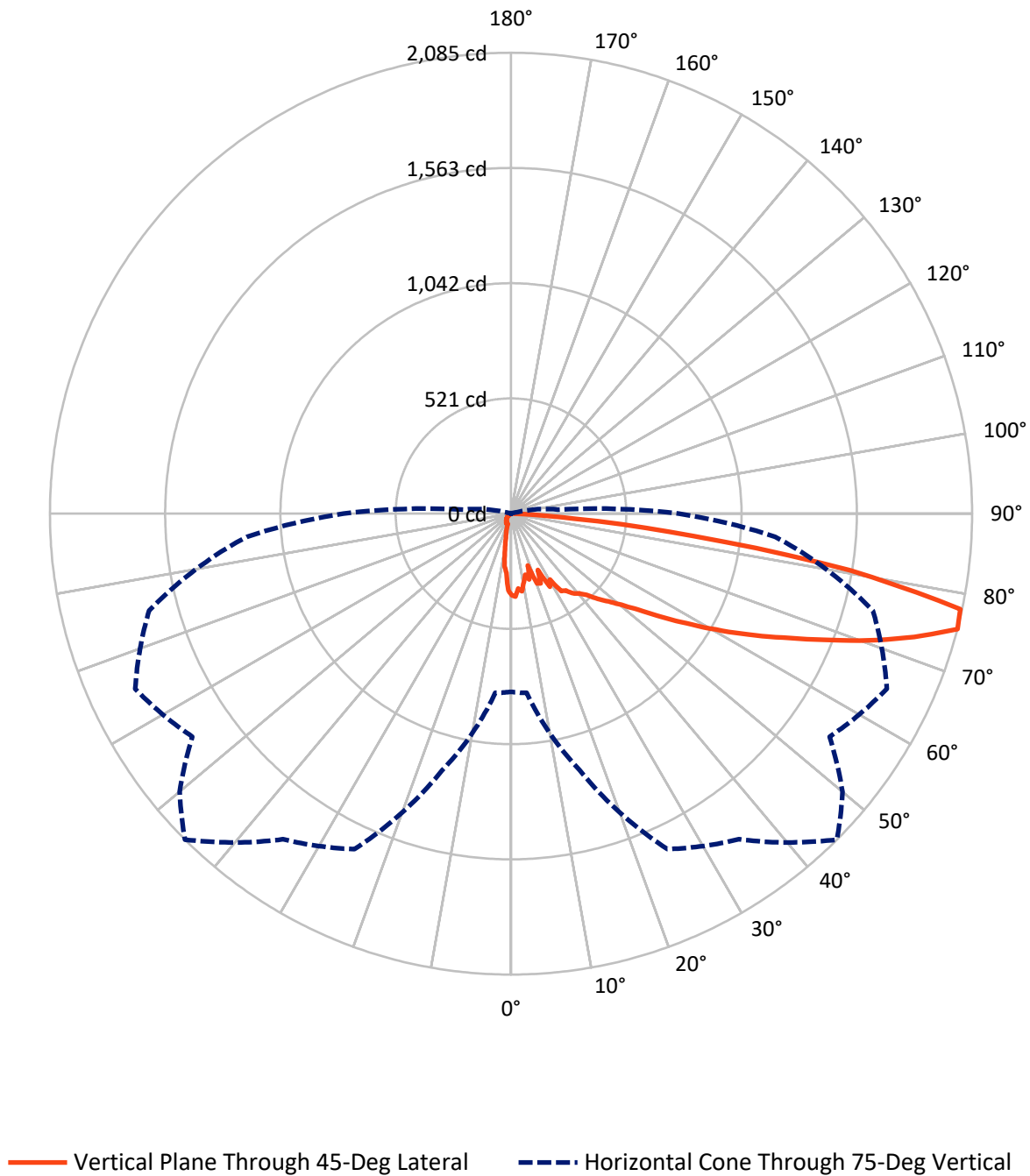
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.8 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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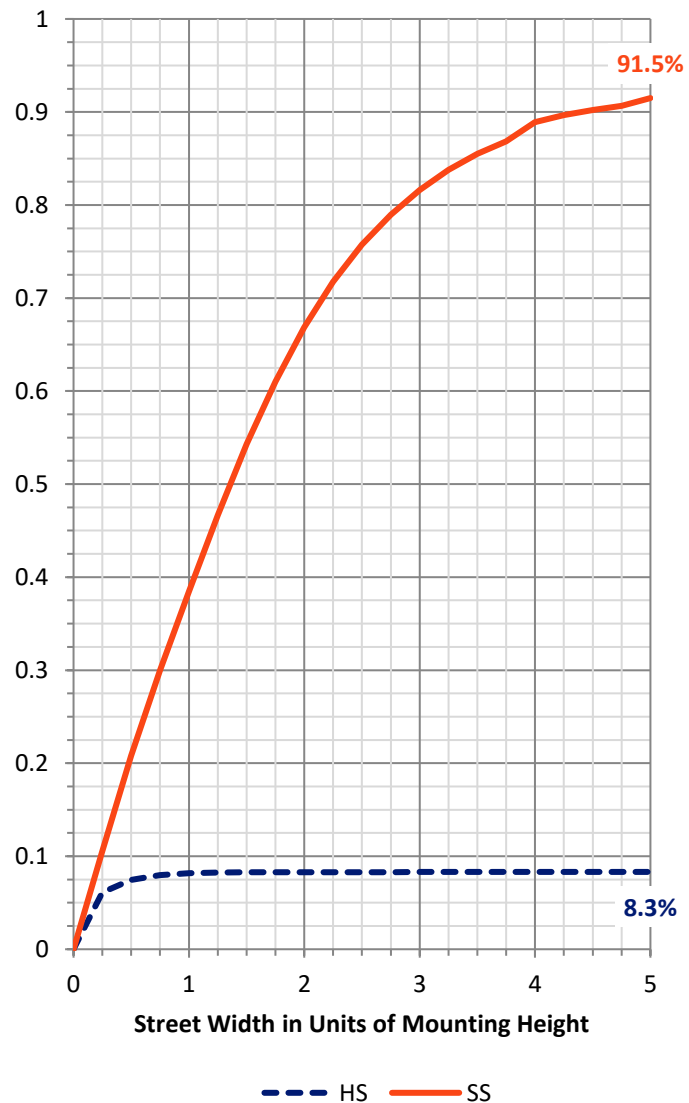
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	252.2	0.0	252.2
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2751.6	0.0	2751.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	3003.7	0.0	3003.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	28.6	1.0
10°-20°	62.9	2.1
20°-30°	106.3	3.5
30°-40°	195.8	6.5
40°-50°	321.3	10.7
50°-60°	571.9	19.0
60°-70°	855.7	28.5
70°-80°	761.8	25.4
80°-90°	99.5	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°	3003.7	100.0
0°-180°	3003.7	100.0

Coefficient of Utilization



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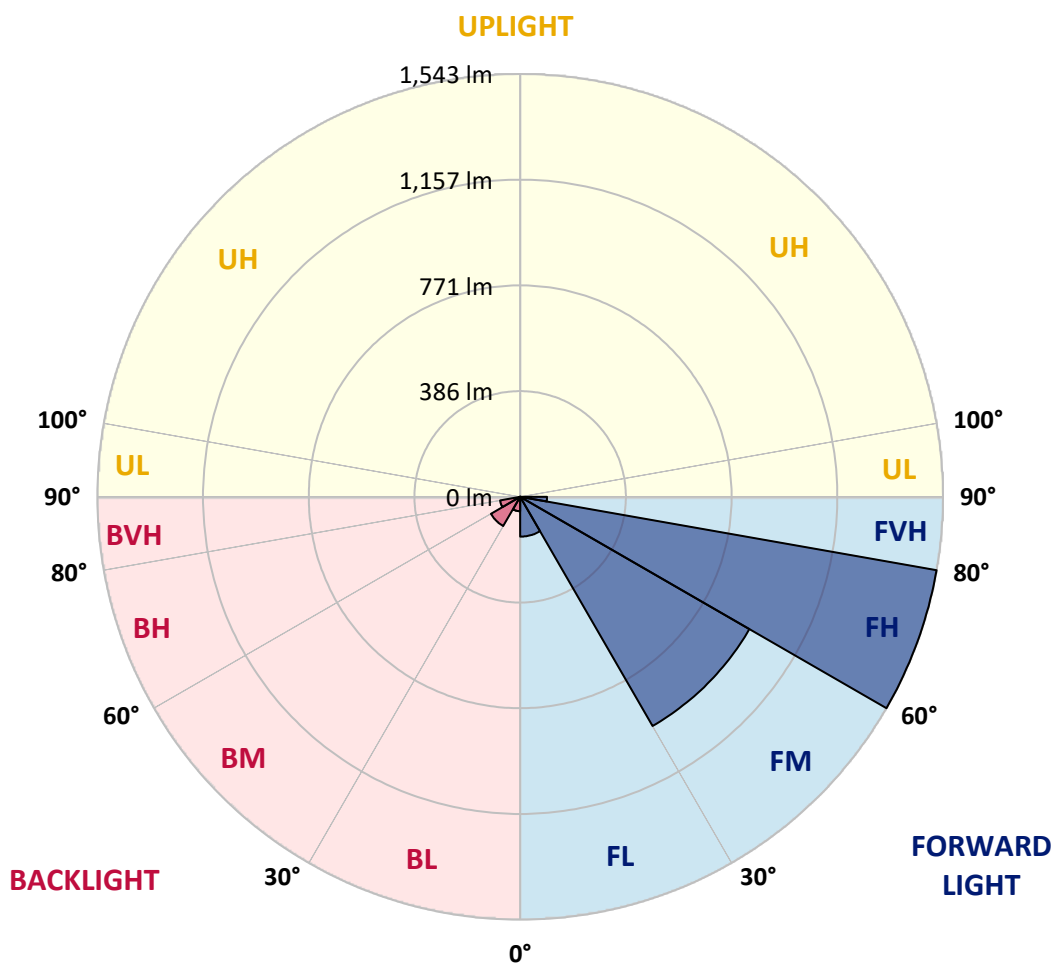
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	145.2	4.8			
FM	(30°-60°)	965.6	32.1			
FH	(60°-80°)	1542.8	51.4			G1/1800
FVH	(80°-90°)	98.0	3.3			G1/100
BL	(0°-30°)	52.6	1.8	B0/110		
BM	(30°-60°)	123.4	4.1	B0/220		
BH	(60°-80°)	74.7	2.5	B0/110		G0/110
BVH	(80°-90°)	1.5	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-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3
2.5°	342.6	368.3	371.3	372.8	375.8	377.4	377.4	377.4	377.4	375.8	375.8
5°	362.3	360.8	359.2	357.7	356.2	353.2	350.2	345.7	342.6	339.6	336.6
7.5°	354.7	356.2	360.8	363.8	362.3	360.8	363.8	365.3	360.8	354.7	348.7
10°	413.6	410.6	407.5	404.5	400.0	395.5	359.2	323.0	320.0	315.5	312.5
12.5°	362.3	407.5	407.5	407.5	407.5	407.5	383.4	359.2	321.5	283.8	240.0
15°	452.8	451.3	445.3	439.2	398.5	356.2	333.6	310.9	310.9	309.4	291.3
17.5°	375.8	375.8	406.0	434.7	418.1	401.5	369.8	338.1	292.8	246.0	264.2
20°	475.5	475.5	469.4	463.4	394.0	324.5	327.5	330.6	333.6	336.6	279.2
22.5°	390.9	387.9	384.9	381.9	389.4	397.0	335.1	271.7	307.9	342.6	267.2
25°	477.0	481.5	478.5	474.0	412.1	350.2	363.8	375.8	329.1	282.3	327.5
27.5°	409.1	404.5	398.5	390.9	395.5	400.0	371.3	341.1	357.7	374.3	300.4
30°	501.1	502.6	499.6	496.6	437.7	378.9	377.4	374.3	360.8	345.7	338.1
32.5°	620.4	608.3	566.0	523.8	487.5	451.3	422.6	394.0	406.0	416.6	375.8
35°	677.7	655.1	637.0	617.4	557.0	495.1	460.4	424.2	425.7	427.2	410.6
37.5°	733.6	700.4	677.7	655.1	582.6	510.2	472.5	434.7	446.8	457.4	439.2
40°	753.2	735.1	721.5	707.9	630.9	552.5	508.7	463.4	469.4	474.0	467.9
42.5°	803.0	800.0	792.5	783.4	691.3	597.7	544.9	492.1	498.1	502.6	499.6
45°	922.3	917.7	917.7	916.2	797.0	676.2	606.8	537.4	543.4	549.4	546.4
47.5°	1076.2	1068.7	1059.6	1049.1	922.3	794.0	694.3	593.2	593.2	593.2	597.7
50°	1237.7	1227.2	1207.5	1186.4	1058.1	929.8	803.0	676.2	662.6	647.5	664.1
52.5°	1405.3	1387.2	1354.0	1319.2	1206.0	1092.8	949.4	804.5	763.8	721.5	742.6
55°	1495.8	1476.2	1453.6	1429.4	1337.4	1243.8	1097.4	950.9	887.5	822.6	845.3
57.5°	1569.8	1565.3	1554.7	1544.1	1473.2	1402.3	1255.8	1107.9	1021.9	935.8	955.5
60°	1670.9	1664.9	1669.4	1674.0	1619.6	1565.3	1426.4	1286.0	1175.8	1064.1	1058.1
62.5°	1746.4	1744.9	1767.5	1790.2	1761.5	1731.3	1575.8	1418.9	1311.7	1203.0	1172.8
65°	1677.0	1696.6	1781.1	1865.7	1861.1	1855.1	1710.2	1563.8	1458.1	1350.9	1311.7
67.5°	1530.6	1539.6	1664.9	1788.7	1843.0	1895.8	1793.2	1689.1	1606.0	1521.5	1449.1
70°	1393.2	1412.8	1523.0	1633.2	1773.6	1914.0	1832.4	1750.9	1734.3	1716.2	1622.6
72.5°	1260.4	1295.1	1397.7	1500.4	1687.5	1873.2	1824.9	1776.6	1841.5	1906.4	1794.7
75°	806.0	813.6	1008.3	1201.5	1438.5	1674.0	1735.8	1797.7	1941.1	2084.5	1956.2
77.5°	235.5	261.1	407.5	554.0	825.7	1095.8	1307.2	1518.5	1797.7	2077.0	1920.0
80°	80.0	86.0	107.2	126.8	271.7	416.6	661.1	904.1	1228.7	1553.2	1443.0
82.5°	39.2	40.8	51.3	60.4	92.1	123.8	249.1	372.8	602.3	830.2	849.8
85°	12.1	12.1	18.1	24.2	39.2	54.3	93.6	131.3	208.3	283.8	240.0
87.5°	3.0	3.0	4.5	6.0	9.1	12.1	12.1	12.1	9.1	6.0	7.5
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3
2.5°	377.4	377.4	377.4	375.8	372.8	371.3	368.3	365.3	362.3	360.8	357.7
5°	332.1	351.7	369.8	371.3	371.3	366.8	362.3	357.7	353.2	348.7	344.2
7.5°	341.1	330.6	320.0	321.5	323.0	321.5	318.5	310.9	304.9	292.8	279.2
10°	273.2	265.7	256.6	259.6	262.6	270.2	277.7	271.7	262.6	240.0	215.8
12.5°	268.7	267.2	264.2	241.5	217.4	229.4	240.0	234.0	224.9	202.3	178.1
15°	229.4	230.9	230.9	253.6	276.2	285.3	292.8	285.3	274.7	244.5	212.8
17.5°	295.8	280.8	265.7	256.6	246.0	249.1	252.1	218.9	229.4	209.8	188.7
20°	306.4	256.6	206.8	247.5	288.3	301.9	315.5	307.9	294.3	246.0	196.2
22.5°	279.2	297.4	315.5	289.8	264.2	247.5	229.4	221.9	212.8	191.7	170.6
25°	345.7	295.8	244.5	292.8	339.6	342.6	345.7	332.1	317.0	256.6	196.2
27.5°	309.4	326.0	341.1	351.7	362.3	375.8	389.4	374.3	338.1	267.2	194.7
30°	368.3	390.9	413.6	448.3	483.0	493.6	502.6	486.0	457.4	338.1	217.4
32.5°	384.9	430.2	475.5	489.1	501.1	514.7	528.3	514.7	480.0	335.1	188.7
35°	430.2	461.9	492.1	513.2	534.3	546.4	558.5	549.4	502.6	330.6	158.5
37.5°	443.8	486.0	526.8	550.9	573.6	584.1	593.2	593.2	526.8	327.5	126.8
40°	464.9	517.7	570.6	593.2	614.3	630.9	646.0	652.1	554.0	326.0	96.6
42.5°	507.2	554.0	600.8	637.0	671.7	695.8	720.0	724.5	585.7	330.6	74.0
45°	552.5	602.3	652.1	700.4	748.7	783.4	816.6	813.6	623.4	342.6	60.4
47.5°	617.4	664.1	710.9	792.5	872.5	905.7	937.4	916.2	662.6	357.7	52.8
50°	683.8	741.1	798.5	902.6	1005.3	1035.5	1064.1	1020.4	700.4	375.8	49.8
52.5°	769.8	837.7	905.7	1024.9	1144.1	1171.3	1198.5	1109.4	729.1	387.9	46.8
55°	870.9	958.5	1046.0	1159.2	1270.9	1302.6	1334.3	1197.0	742.6	394.0	45.3
57.5°	993.2	1094.3	1194.0	1298.1	1400.8	1444.5	1486.8	1283.0	748.7	395.5	42.3
60°	1112.5	1224.1	1335.8	1424.9	1514.0	1581.9	1648.3	1367.5	745.7	392.5	37.7
62.5°	1222.6	1346.4	1468.7	1551.7	1634.7	1716.2	1797.7	1435.5	726.0	378.9	30.2
65°	1337.4	1468.7	1598.5	1670.9	1743.4	1849.1	1953.2	1494.3	698.9	360.8	21.1
67.5°	1441.5	1566.8	1692.1	1773.6	1855.1	1959.2	2061.9	1509.4	659.6	338.1	15.1
70°	1529.1	1664.9	1799.2	1882.3	1965.3	2018.1	2069.4	1443.0	581.1	295.8	10.6
72.5°	1649.8	1772.1	1892.8	1935.1	1975.8	1883.8	1790.2	1203.0	436.2	223.4	9.1
75°	1758.5	1817.4	1874.7	1784.1	1693.6	1446.0	1198.5	757.7	212.8	111.7	9.1
77.5°	1648.3	1616.6	1584.9	1307.2	1027.9	763.8	498.1	297.4	66.4	36.2	6.0
80°	1194.0	1049.1	902.6	624.9	345.7	230.9	114.7	66.4	16.6	10.6	4.5
82.5°	643.0	496.6	348.7	224.9	101.1	67.9	33.2	22.6	7.5	6.0	3.0
85°	232.5	184.2	134.3	104.2	74.0	43.8	12.1	7.5	4.5	4.5	3.0
87.5°	21.1	24.2	27.2	21.1	13.6	9.1	3.0	3.0	3.0	3.0	1.5
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):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3	368.3
2.5°	356.2	354.7	353.2	350.2	348.7	347.2	336.6	326.0	314.0	301.9	301.9
5°	324.5	304.9	294.3	283.8	276.2	268.7	267.2	264.2	261.1	258.1	256.6
7.5°	271.7	264.2	258.1	252.1	244.5	237.0	229.4	221.9	215.8	209.8	196.2
10°	203.8	191.7	182.6	173.6	169.1	163.0	154.0	143.4	143.4	143.4	141.9
12.5°	176.6	175.1	152.5	128.3	120.8	113.2	111.7	110.2	107.2	102.6	96.6
15°	175.1	135.8	116.2	95.1	90.6	84.5	75.5	64.9	63.4	60.4	67.9
17.5°	158.5	128.3	105.7	83.0	66.4	49.8	52.8	54.3	61.9	67.9	72.5
20°	143.4	90.6	75.5	58.9	54.3	48.3	51.3	54.3	52.8	49.8	57.4
22.5°	134.3	96.6	70.9	45.3	48.3	51.3	48.3	43.8	51.3	58.9	63.4
25°	129.8	61.9	55.8	48.3	45.3	42.3	48.3	52.8	49.8	46.8	55.8
27.5°	128.3	61.9	52.8	42.3	45.3	48.3	46.8	43.8	49.8	54.3	52.8
30°	137.4	55.8	49.8	43.8	42.3	40.8	43.8	46.8	46.8	45.3	52.8
32.5°	122.3	55.8	49.8	42.3	42.3	40.8	40.8	40.8	45.3	49.8	52.8
35°	105.7	51.3	46.8	40.8	39.2	37.7	39.2	39.2	43.8	46.8	52.8
37.5°	87.5	48.3	43.8	37.7	36.2	34.7	34.7	33.2	37.7	42.3	46.8
40°	70.9	45.3	40.8	34.7	33.2	31.7	31.7	31.7	34.7	36.2	39.2
42.5°	58.9	42.3	37.7	31.7	30.2	28.7	28.7	27.2	28.7	30.2	31.7
45°	51.3	40.8	36.2	30.2	28.7	25.7	24.2	22.6	22.6	22.6	22.6
47.5°	45.3	37.7	34.7	30.2	27.2	22.6	21.1	18.1	16.6	15.1	13.6
50°	42.3	34.7	31.7	27.2	24.2	19.6	16.6	13.6	12.1	9.1	9.1
52.5°	39.2	31.7	28.7	24.2	19.6	15.1	12.1	7.5	7.5	6.0	6.0
55°	37.7	30.2	25.7	21.1	16.6	10.6	7.5	4.5	4.5	3.0	3.0
57.5°	36.2	28.7	24.2	18.1	12.1	6.0	4.5	3.0	3.0	3.0	3.0
60°	31.7	25.7	19.6	12.1	7.5	3.0	3.0	1.5	3.0	3.0	3.0
62.5°	25.7	19.6	13.6	7.5	4.5	1.5	1.5	1.5	3.0	3.0	3.0
65°	18.1	13.6	9.1	4.5	3.0	1.5	1.5	1.5	1.5	1.5	1.5
67.5°	13.6	10.6	7.5	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
70°	9.1	7.5	6.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	1.5
72.5°	7.5	6.0	4.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5
75°	7.5	6.0	4.5	1.5	1.5	0.0	1.5	1.5	1.5	1.5	1.5
77.5°	6.0	4.5	3.0	1.5	1.5	0.0	1.5	3.0	3.0	3.0	3.0
80°	4.5	3.0	3.0	1.5	1.5	0.0	1.5	3.0	3.0	3.0	3.0
82.5°	3.0	3.0	3.0	1.5	1.5	0.0	3.0	4.5	4.5	3.0	3.0
85°	3.0	1.5	1.5	1.5	1.5	1.5	3.0	4.5	4.5	4.5	3.0
87.5°	1.5	1.5	1.5	1.5	1.5	1.5	3.0	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):

	165°	170°	175°	180°
0°	368.3	368.3	368.3	368.3
2.5°	300.4	300.4	298.9	298.9
5°	253.6	253.6	252.1	252.1
7.5°	182.6	179.6	175.1	176.6
10°	140.4	137.4	134.3	137.4
12.5°	90.6	92.1	92.1	87.5
15°	74.0	80.0	84.5	84.5
17.5°	77.0	77.0	75.5	75.5
20°	64.9	70.9	77.0	77.0
22.5°	66.4	63.4	60.4	60.4
25°	63.4	67.9	70.9	70.9
27.5°	51.3	52.8	54.3	54.3
30°	58.9	61.9	63.4	63.4
32.5°	55.8	58.9	60.4	61.9
35°	57.4	60.4	61.9	61.9
37.5°	51.3	52.8	54.3	54.3
40°	40.8	42.3	43.8	43.8
42.5°	31.7	31.7	30.2	31.7
45°	21.1	21.1	19.6	21.1
47.5°	12.1	12.1	12.1	12.1
50°	7.5	7.5	7.5	7.5
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	1.5	1.5
60°	1.5	1.5	1.5	1.5
62.5°	1.5	1.5	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°	1.5	1.5	0.0	0.0
77.5°	1.5	1.5	0.0	0.0
80°	1.5	1.5	0.0	0.0
82.5°	1.5	1.5	0.0	0.0
85°	1.5	1.5	1.5	0.0
87.5°	1.5	1.5	1.5	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)