

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: P560457

Luminaire Tested: **SDL-PA1-40-827-U-T3**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560457
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-4)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-40-827-U-T3
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3631.1 lumens
Efficiency: N/A
Efficacy: 92.2 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: B1 - 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

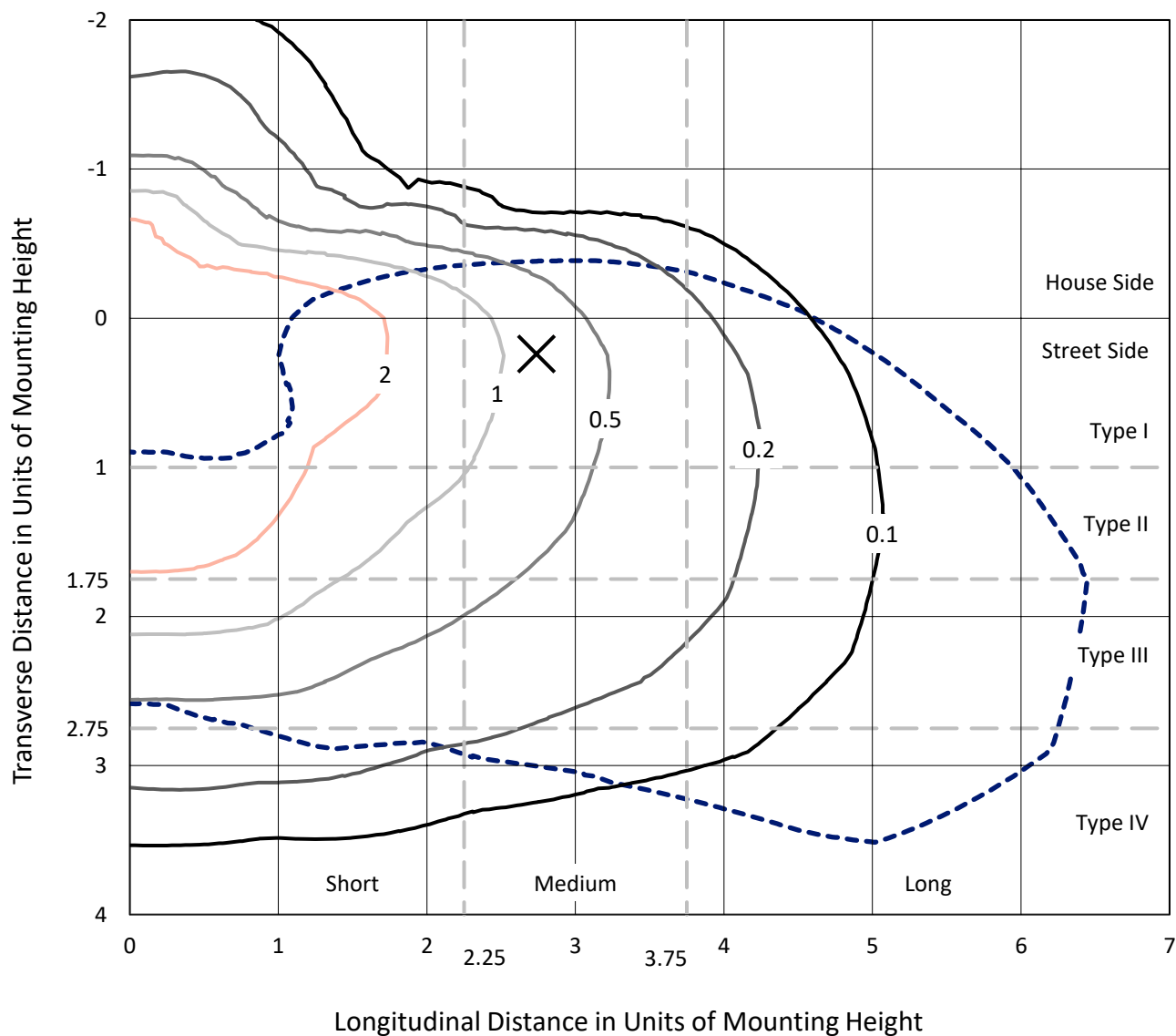


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

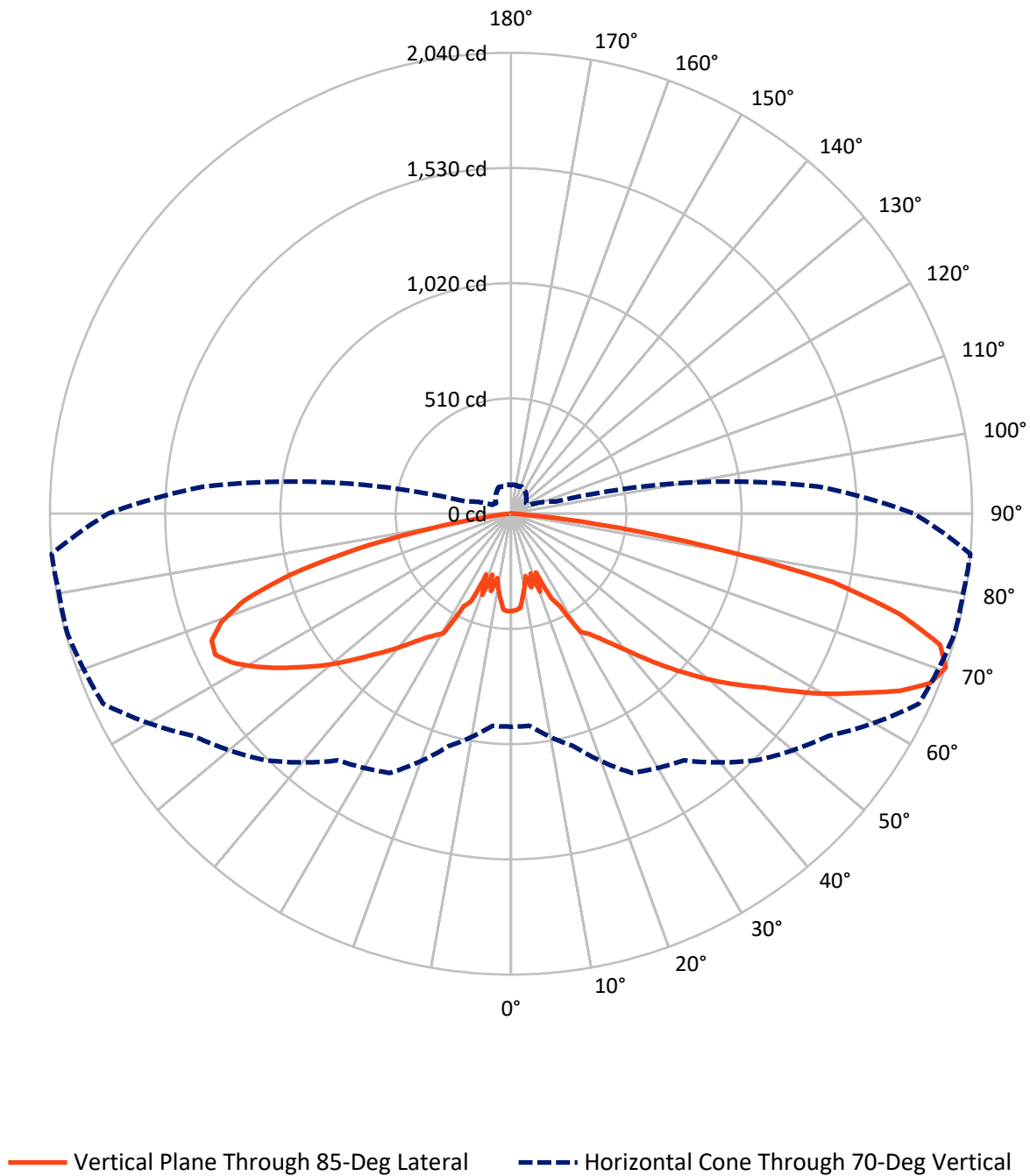


Based on 10 foot mounting height. Maximum calculated value = 4.4 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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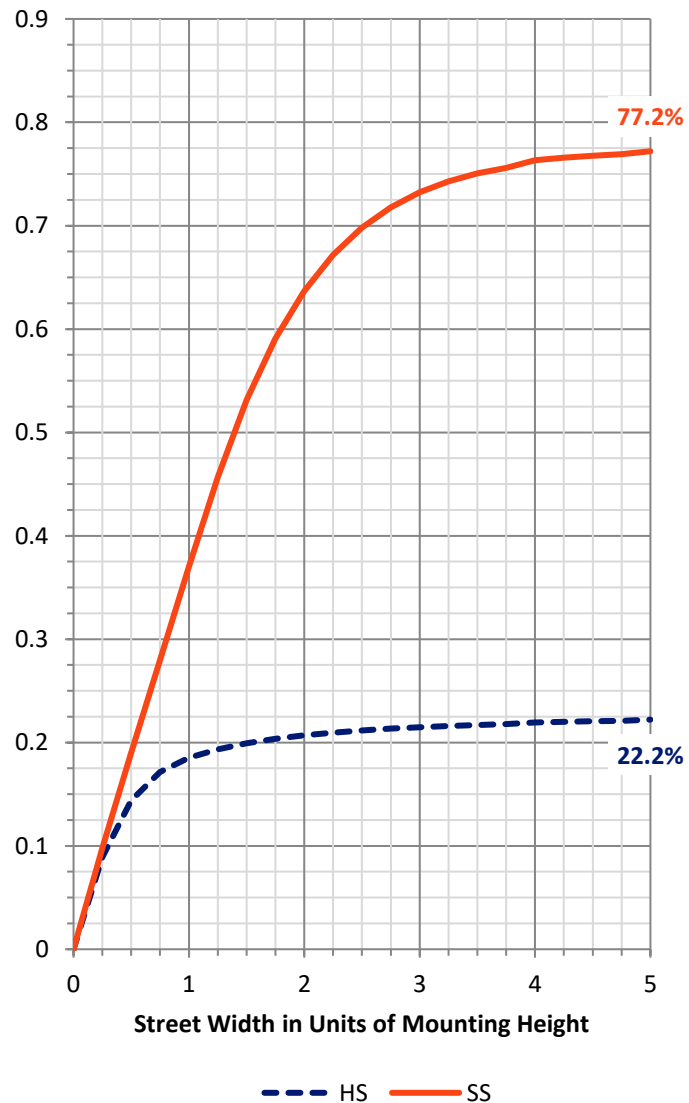
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	821.0	0.0	821.0
	% Fixture	22.6	0.0	22.6
Street Side	Lumens	2810.1	0.0	2810.1
	% Fixture	77.4	0.0	77.4
Total	Lumens	3631.1	0.0	3631.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	1.0
10°-20°	87.7	2.4
20°-30°	160.2	4.4
30°-40°	302.6	8.3
40°-50°	492.9	13.6
50°-60°	760.5	20.9
60°-70°	932.1	25.7
70°-80°	730.0	20.1
80°-90°	130.0	3.6
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°	3631.1	100.0
0°-180°	3631.1	100.0

Coefficient of Utilization



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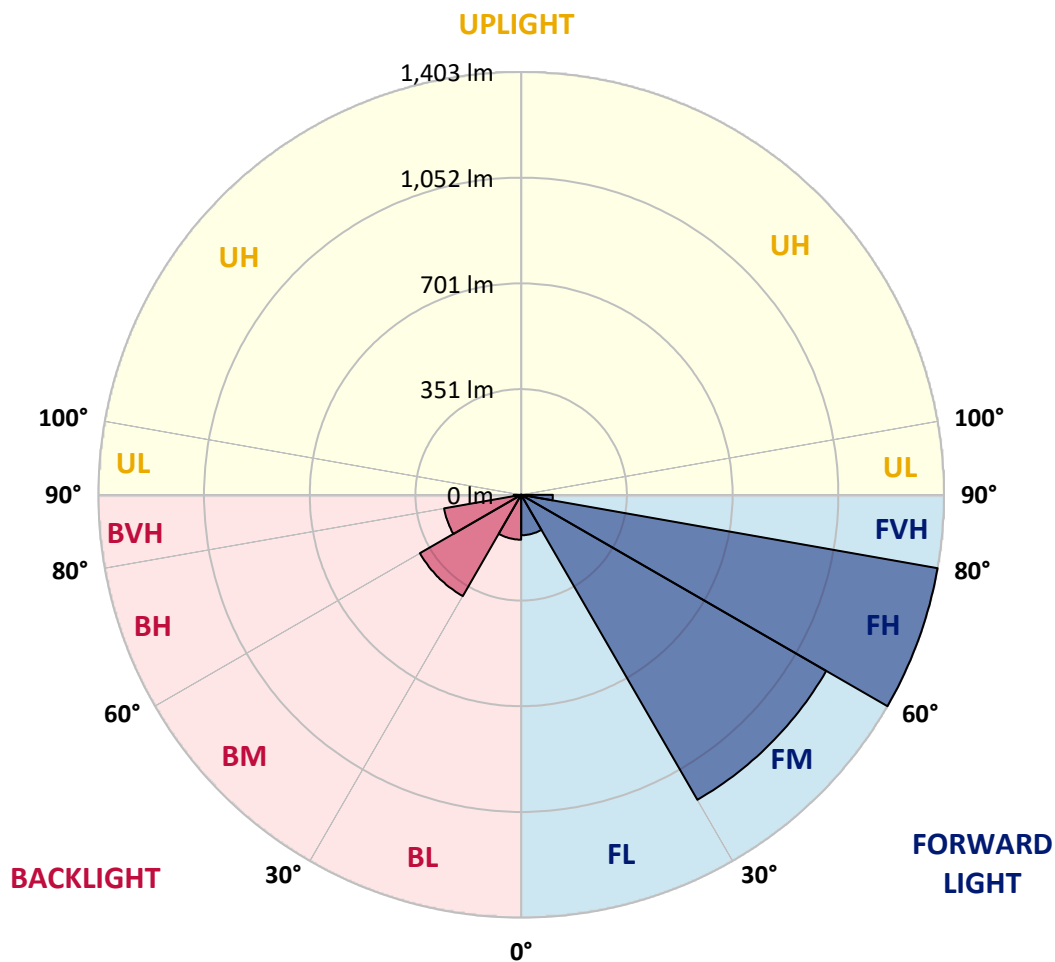
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	134.1	3.7			
FM	(30°-60°)	1168.2	32.2			
FH	(60°-80°)	1402.6	38.6			G1/1800
FVH	(80°-90°)	105.3	2.9			G2/225
BL	(0°-30°)	148.9	4.1	B1/500		
BM	(30°-60°)	387.8	10.7	B1/1000		
BH	(60°-80°)	259.6	7.1	B1/500		G1/500
BVH	(80°-90°)	24.7	0.7			G1/100
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°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	355.7	387.5	387.5	387.5	394.2	399.5	402.1	403.4	408.8	412.7	415.4
5°	331.8	333.1	333.1	333.1	334.4	335.8	337.1	338.4	341.1	342.4	346.4
7.5°	278.7	284.0	294.6	303.9	310.6	317.2	322.5	326.5	329.1	331.8	333.1
10°	310.6	310.6	310.6	310.6	310.6	310.6	294.6	278.7	280.0	280.0	272.1
12.5°	260.1	268.1	280.0	290.6	299.9	307.9	297.3	286.7	266.8	246.8	246.8
15°	301.3	301.3	299.9	298.6	281.4	264.1	248.2	232.2	242.9	253.5	234.9
17.5°	258.8	260.1	276.0	290.6	288.0	284.0	269.4	253.5	228.3	201.7	228.3
20°	331.8	327.8	319.8	311.9	274.7	237.6	244.2	250.8	257.5	262.8	262.8
22.5°	305.2	307.9	313.2	318.5	314.5	309.2	270.7	232.2	254.8	277.4	257.5
25°	418.0	418.0	402.1	386.2	346.4	305.2	311.9	317.2	278.7	238.9	272.1
27.5°	386.2	383.5	376.9	368.9	376.9	383.5	349.0	313.2	323.8	334.4	306.6
30°	513.6	513.6	507.0	500.3	443.3	384.9	380.9	375.6	353.0	329.1	345.1
32.5°	615.8	614.5	583.9	553.4	521.6	488.4	453.9	418.0	415.4	412.7	410.1
35°	737.9	737.9	720.6	703.4	633.0	561.4	520.2	479.1	467.2	455.2	464.5
37.5°	806.9	816.2	809.6	801.6	724.6	646.3	589.2	530.9	518.9	507.0	510.9
40°	902.5	899.8	898.5	895.8	806.9	718.0	656.9	594.6	586.6	578.6	578.6
42.5°	1047.1	1032.5	1016.6	999.3	909.1	818.8	751.2	682.1	667.6	651.6	653.0
45°	1246.2	1230.3	1193.1	1154.6	1063.0	971.5	881.2	791.0	765.8	739.2	736.6
47.5°	1368.3	1351.0	1332.4	1312.5	1214.3	1116.1	1023.2	929.0	891.8	854.7	840.1
50°	1494.4	1478.4	1463.8	1449.2	1363.0	1276.7	1183.8	1090.9	1032.5	974.1	948.9
52.5°	1613.8	1584.6	1570.0	1555.4	1482.4	1408.1	1311.2	1214.3	1170.5	1126.7	1072.3
55°	1672.2	1636.4	1631.1	1624.4	1570.0	1514.3	1421.4	1328.5	1279.4	1228.9	1174.5
57.5°	1589.9	1592.6	1621.8	1651.0	1620.4	1589.9	1502.3	1414.7	1365.6	1316.5	1275.4
60°	1515.6	1535.5	1571.3	1607.2	1609.8	1611.1	1564.7	1518.2	1463.8	1409.4	1377.6
62.5°	1413.4	1428.0	1483.7	1538.2	1579.3	1619.1	1571.3	1523.6	1505.0	1485.1	1465.2
65°	1275.4	1279.4	1343.1	1405.4	1479.8	1552.8	1515.6	1478.4	1510.3	1540.8	1543.5
67.5°	1106.8	1118.8	1181.2	1243.5	1333.8	1422.7	1421.4	1420.0	1487.7	1554.1	1600.5
70°	942.3	942.3	1003.3	1064.4	1165.2	1266.1	1299.3	1332.4	1437.3	1542.1	1628.4
72.5°	710.0	743.2	775.0	806.9	919.7	1031.2	1104.2	1177.2	1333.8	1489.0	1620.4
75°	391.5	394.2	422.0	449.9	562.7	675.5	785.7	895.8	1105.5	1315.2	1522.2
77.5°	128.7	124.8	140.7	155.3	221.6	286.7	379.6	472.5	703.4	934.3	1267.4
80°	71.7	73.0	78.3	83.6	104.8	124.8	169.9	215.0	313.2	410.1	805.6
82.5°	47.8	49.1	54.4	59.7	69.0	78.3	103.5	127.4	136.7	144.7	363.6
85°	30.5	31.9	34.5	37.2	39.8	41.1	58.4	75.6	69.0	62.4	108.8
87.5°	6.6	6.6	8.0	8.0	9.3	10.6	13.3	15.9	14.6	11.9	15.9
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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	416.7	419.4	420.7	422.0	423.4	426.0	427.3	428.7	431.3	432.6	432.6
5°	350.4	374.3	396.8	404.8	412.7	416.7	419.4	423.4	426.0	428.7	431.3
7.5°	334.4	335.8	337.1	346.4	355.7	363.6	371.6	374.3	380.9	376.9	371.6
10°	262.8	264.1	264.1	273.4	282.7	310.6	329.1	333.1	337.1	321.2	303.9
12.5°	245.5	252.2	258.8	254.8	250.8	270.7	284.0	289.3	292.0	281.4	270.7
15°	215.0	221.6	226.9	257.5	288.0	314.5	338.4	345.1	353.0	335.8	317.2
17.5°	254.8	252.2	248.2	253.5	258.8	265.4	278.7	282.7	282.7	288.0	293.3
20°	262.8	233.6	204.4	258.8	313.2	337.1	367.6	378.2	380.9	366.3	351.7
22.5°	236.2	269.4	302.6	296.0	289.3	282.7	282.7	286.7	290.6	293.3	296.0
25°	303.9	276.0	248.2	311.9	375.6	400.8	415.4	422.0	427.3	408.8	388.9
27.5°	278.7	315.9	351.7	379.6	407.4	435.3	465.8	495.0	459.2	441.9	424.7
30°	359.7	390.2	420.7	487.1	553.4	589.2	607.8	607.8	607.8	582.6	556.1
32.5°	407.4	460.5	513.6	549.4	583.9	619.8	634.4	634.4	634.4	603.8	572.0
35°	472.5	514.9	557.4	598.5	639.7	667.6	678.2	674.2	666.2	625.1	583.9
37.5°	514.9	572.0	629.1	671.5	712.7	729.9	733.9	722.0	710.0	655.6	599.9
40°	578.6	641.0	702.1	747.2	792.3	806.9	798.9	783.0	761.8	688.8	615.8
42.5°	653.0	715.3	777.7	830.8	882.5	891.8	879.9	854.7	817.5	718.0	617.1
45°	733.9	796.3	857.3	917.1	976.8	983.4	967.5	930.3	875.9	745.9	615.8
47.5°	824.2	873.3	922.4	1007.3	1092.2	1084.3	1060.4	1017.9	946.2	779.0	610.5
50°	923.7	962.2	999.3	1105.5	1211.7	1187.8	1161.2	1114.8	1020.6	817.5	613.1
52.5°	1016.6	1053.7	1090.9	1201.1	1309.9	1287.3	1258.1	1217.0	1096.2	858.7	619.8
55°	1120.1	1159.9	1199.7	1316.5	1433.3	1394.8	1357.7	1331.1	1170.5	893.2	615.8
57.5°	1232.9	1283.3	1333.8	1441.3	1547.4	1506.3	1485.1	1450.6	1252.8	934.3	615.8
60°	1345.7	1406.8	1467.8	1562.0	1656.3	1623.1	1619.1	1571.3	1329.8	964.8	598.5
62.5°	1445.3	1536.8	1628.4	1702.7	1775.7	1743.9	1745.2	1689.4	1401.5	971.5	540.1
65°	1546.1	1664.2	1781.0	1835.4	1889.8	1867.3	1889.8	1790.3	1449.2	944.9	440.6
67.5°	1645.7	1775.7	1905.8	1946.9	1988.1	1974.8	2001.3	1823.5	1438.6	875.9	311.9
70°	1714.7	1852.7	1990.7	2011.9	2033.2	2030.5	2039.8	1782.3	1367.0	787.0	205.7
72.5°	1751.8	1881.9	2010.6	2019.9	2027.9	2023.9	1985.4	1653.6	1238.2	690.1	142.0
75°	1727.9	1854.0	1980.1	1961.5	1942.9	1905.8	1777.0	1424.0	1015.3	560.1	104.8
77.5°	1600.5	1737.2	1873.9	1826.1	1777.0	1668.2	1451.9	1067.0	706.0	394.2	81.0
80°	1201.1	1369.6	1538.2	1481.1	1422.7	1193.1	883.9	597.2	365.0	213.7	62.4
82.5°	581.3	675.5	769.7	755.1	740.5	548.1	382.2	215.0	104.8	77.0	49.1
85°	153.9	228.3	302.6	289.3	276.0	146.0	63.7	55.7	41.1	38.5	34.5
87.5°	18.6	21.2	22.6	15.9	8.0	6.6	6.6	4.0	4.0	5.3	5.3
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°	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3	431.3
2.5°	435.3	436.6	436.6	436.6	436.6	436.6	426.0	415.4	412.7	410.1	404.8
5°	419.4	406.1	396.8	387.5	387.5	386.2	390.2	394.2	396.8	398.1	399.5
7.5°	372.9	374.3	382.2	388.9	395.5	400.8	404.8	407.4	404.8	400.8	384.9
10°	305.2	306.6	313.2	318.5	327.8	335.8	358.3	379.6	404.8	430.0	436.6
12.5°	290.6	309.2	298.6	288.0	317.2	345.1	374.3	402.1	422.0	440.6	427.3
15°	296.0	274.7	278.7	282.7	318.5	354.3	333.1	310.6	363.6	416.7	428.7
17.5°	294.6	294.6	314.5	334.4	301.3	266.8	315.9	363.6	384.9	404.8	388.9
20°	314.5	276.0	290.6	303.9	330.5	355.7	334.4	313.2	321.2	329.1	380.9
22.5°	327.8	358.3	325.1	290.6	314.5	338.4	334.4	330.5	354.3	378.2	365.0
25°	342.4	294.6	318.5	341.1	314.5	286.7	307.9	327.8	321.2	314.5	355.7
27.5°	392.8	359.7	329.1	298.6	314.5	329.1	313.2	296.0	302.6	309.2	306.6
30°	475.1	392.8	354.3	315.9	296.0	274.7	276.0	277.4	285.3	293.3	315.9
32.5°	496.3	420.7	365.0	309.2	296.0	282.7	270.7	257.5	269.4	281.4	307.9
35°	501.7	418.0	358.3	298.6	277.4	256.1	248.2	240.2	260.1	280.0	303.9
37.5°	499.0	396.8	333.1	269.4	253.5	237.6	233.6	228.3	241.5	253.5	270.7
40°	492.4	368.9	305.2	241.5	228.3	215.0	212.3	209.7	219.0	228.3	238.9
42.5°	480.4	342.4	278.7	215.0	205.7	196.4	193.8	189.8	197.7	205.7	209.7
45°	465.8	315.9	256.1	195.1	188.5	180.5	176.5	171.2	179.2	185.8	187.1
47.5°	451.2	290.6	236.2	180.5	175.2	168.5	164.6	159.3	165.9	171.2	172.5
50°	439.3	264.1	215.0	165.9	160.6	155.3	151.3	147.3	153.9	159.3	159.3
52.5°	432.6	244.2	196.4	148.6	146.0	143.3	142.0	139.3	144.7	150.0	151.3
55°	416.7	216.3	175.2	132.7	134.0	134.0	132.7	130.1	140.7	150.0	153.9
57.5°	399.5	183.1	152.6	120.8	123.4	126.1	127.4	128.7	140.7	151.3	156.6
60°	376.9	155.3	132.7	110.2	114.1	116.8	123.4	128.7	139.3	150.0	152.6
62.5°	337.1	132.7	116.8	100.9	106.2	111.5	119.4	127.4	135.4	143.3	143.3
65°	278.7	115.5	104.8	92.9	100.9	107.5	116.8	126.1	132.7	138.0	136.7
67.5°	208.4	103.5	95.6	86.3	95.6	103.5	111.5	119.4	127.4	135.4	132.7
70°	150.0	92.9	87.6	81.0	88.9	96.9	104.8	112.8	120.8	128.7	127.4
72.5°	114.1	84.9	79.6	74.3	82.3	88.9	98.2	107.5	115.5	123.4	120.8
75°	91.6	77.0	73.0	67.7	75.6	83.6	92.9	100.9	108.8	116.8	114.1
77.5°	75.6	69.0	65.0	61.0	67.7	74.3	83.6	92.9	100.9	107.5	104.8
80°	61.0	58.4	55.7	51.8	59.7	66.4	75.6	83.6	90.2	96.9	92.9
82.5°	47.8	46.4	45.1	42.5	49.1	55.7	65.0	74.3	79.6	84.9	82.3
85°	35.8	35.8	34.5	33.2	38.5	42.5	47.8	51.8	57.1	61.0	58.4
87.5°	5.3	5.3	8.0	9.3	9.3	9.3	13.3	17.3	17.3	15.9	13.3
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°	431.3	431.3	431.3	431.3
2.5°	399.5	399.5	399.5	400.8
5°	400.8	402.1	402.1	404.8
7.5°	367.6	366.3	365.0	365.0
10°	441.9	444.6	445.9	448.6
12.5°	412.7	396.8	380.9	380.9
15°	440.6	443.3	444.6	447.2
17.5°	372.9	371.6	370.3	367.6
20°	431.3	434.0	435.3	435.3
22.5°	351.7	351.7	350.4	350.4
25°	396.8	396.8	396.8	399.5
27.5°	302.6	311.9	321.2	333.1
30°	338.4	339.7	341.1	341.1
32.5°	334.4	351.7	368.9	371.6
35°	327.8	327.8	326.5	327.8
37.5°	288.0	284.0	278.7	281.4
40°	248.2	238.9	229.6	228.3
42.5°	213.7	205.7	196.4	196.4
45°	188.5	183.1	176.5	173.9
47.5°	172.5	167.2	161.9	160.6
50°	157.9	152.6	147.3	147.3
52.5°	152.6	148.6	143.3	142.0
55°	157.9	150.0	142.0	139.3
57.5°	160.6	151.3	142.0	138.0
60°	153.9	148.6	142.0	136.7
62.5°	142.0	139.3	136.7	134.0
65°	134.0	134.0	132.7	130.1
67.5°	130.1	131.4	131.4	128.7
70°	124.8	127.4	128.7	126.1
72.5°	118.1	119.4	119.4	115.5
75°	110.2	108.8	107.5	104.8
77.5°	100.9	99.5	96.9	94.2
80°	88.9	87.6	86.3	82.3
82.5°	78.3	81.0	82.3	67.7
85°	54.4	49.1	43.8	35.8
87.5°	10.6	8.0	4.0	4.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)