

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: P560461

Luminaire Tested: **SDL-PA1-40-827-U-T4W**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560461
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-12)
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-T4W
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3625.8 lumens
Efficiency: N/A
Efficacy: 92.0 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

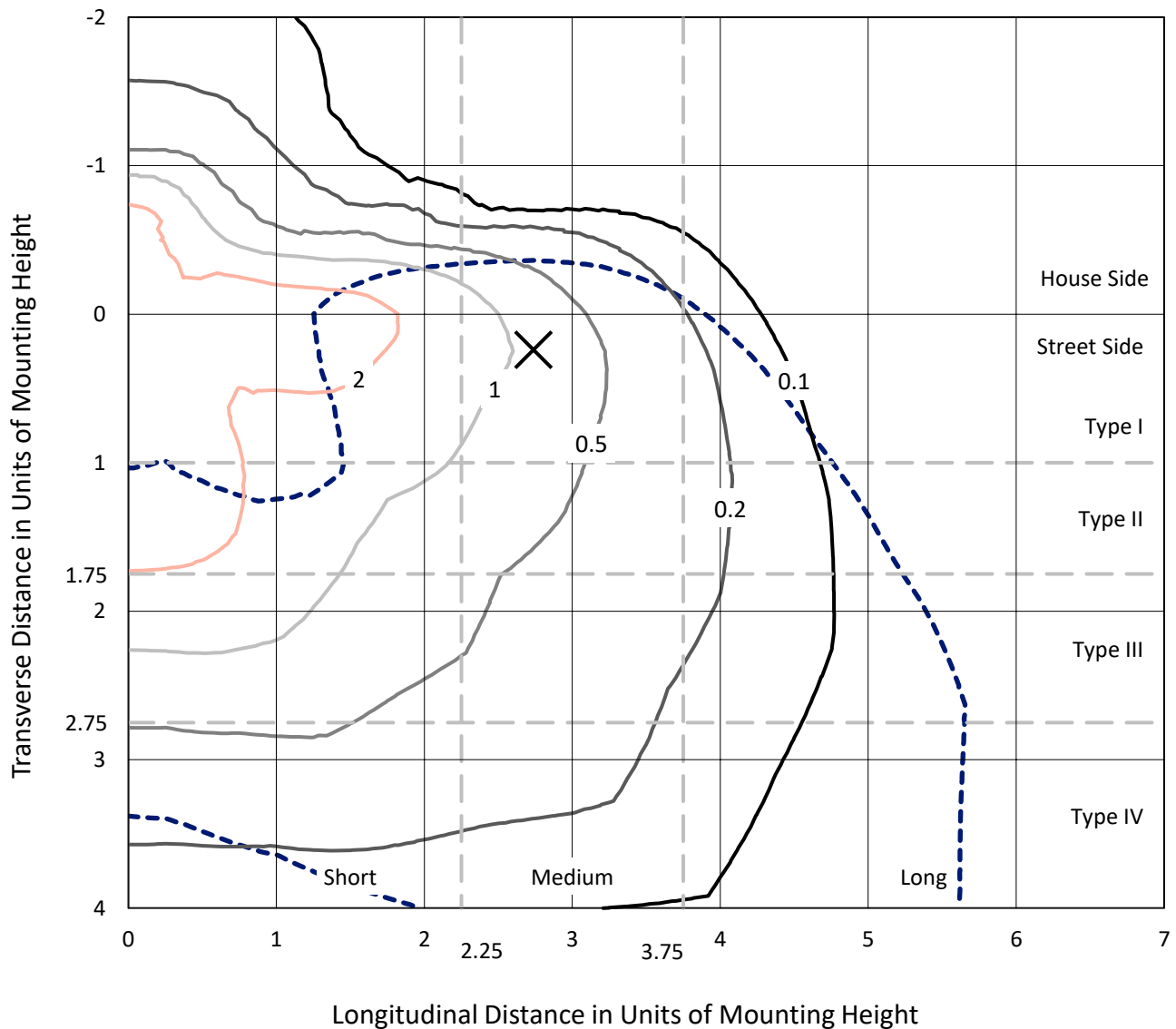


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

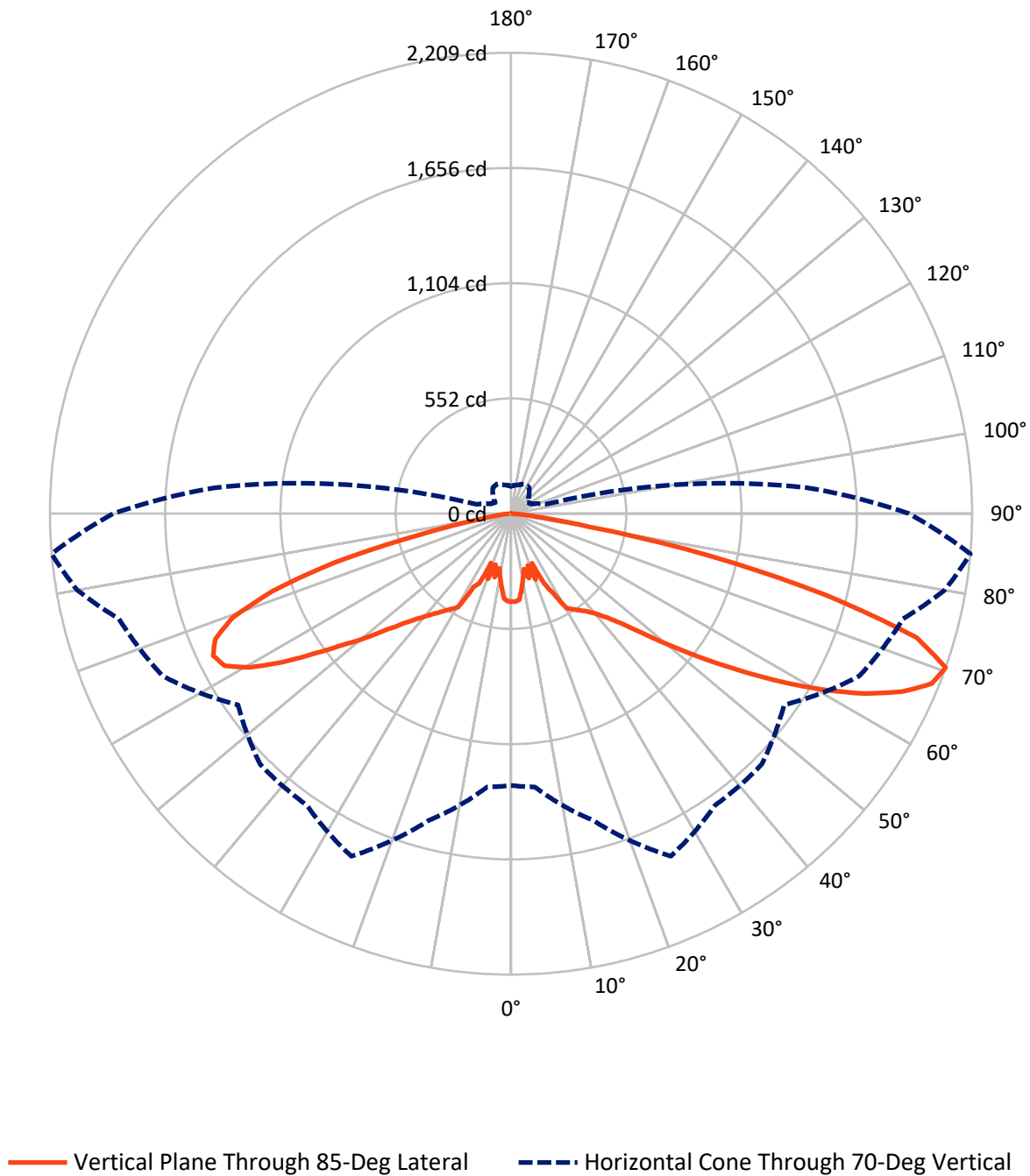


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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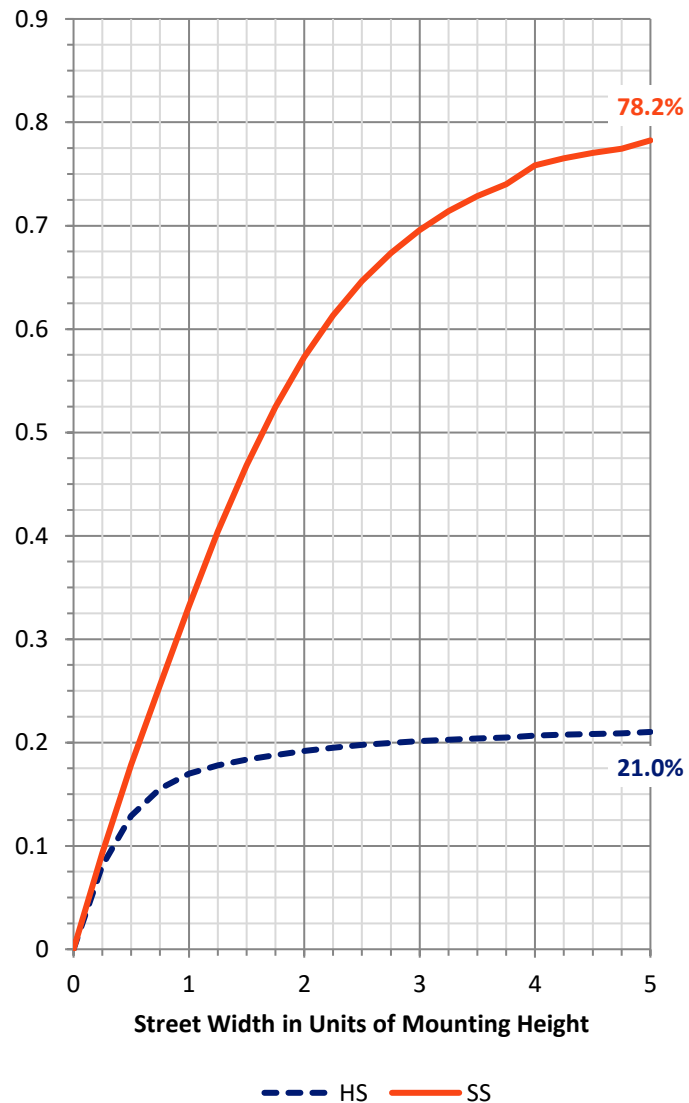
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	779.6	0.0	779.6
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	2846.2	0.0	2846.2
	% Fixture	78.5	0.0	78.5
Total	Lumens	3625.8	0.0	3625.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	35.0	1.0
10°-20°	88.2	2.4
20°-30°	154.3	4.3
30°-40°	271.7	7.5
40°-50°	409.9	11.3
50°-60°	652.0	18.0
60°-70°	956.1	26.4
70°-80°	896.6	24.7
80°-90°	161.9	4.5
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°	3625.8	100.0
0°-180°	3625.8	100.0

Coefficient of Utilization



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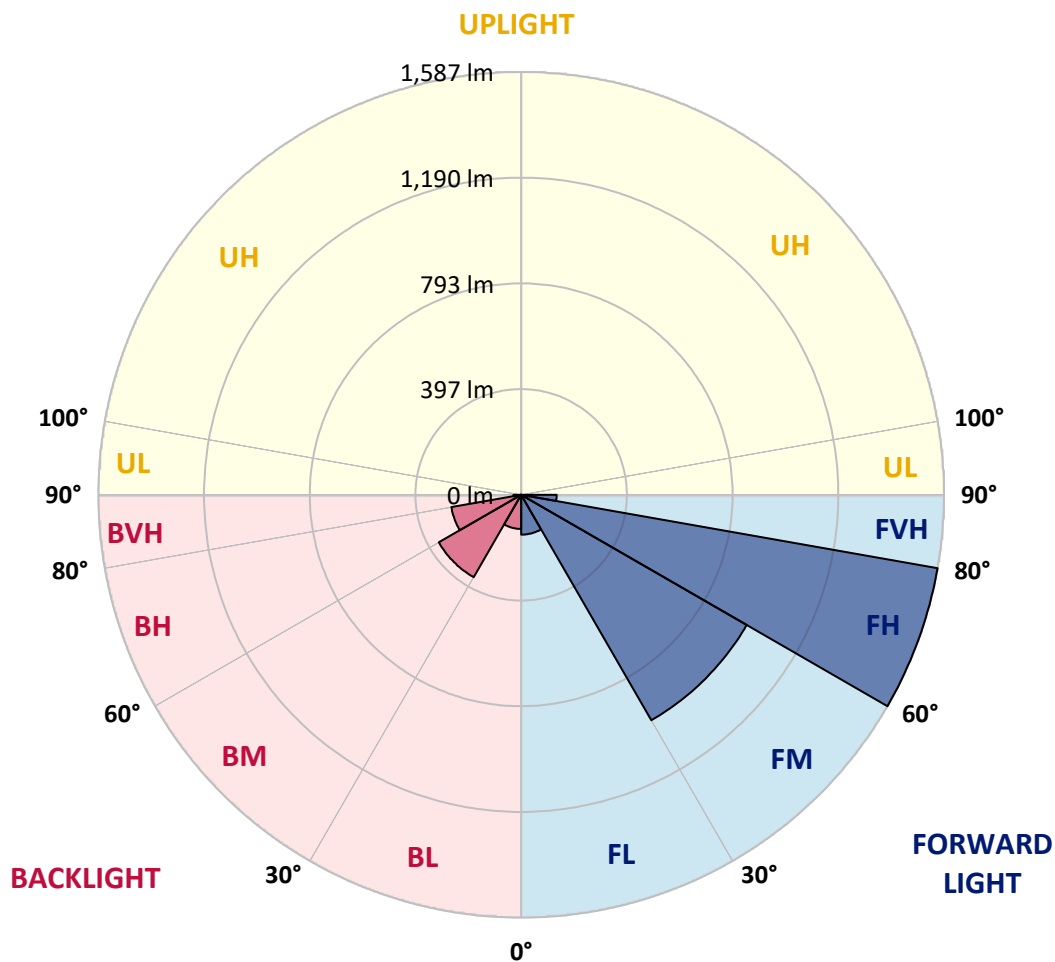
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	149.5	4.1			
FM	(30°-60°)	976.8	26.9			
FH	(60°-80°)	1586.6	43.8			G1/1800
FVH	(80°-90°)	133.3	3.7			G2/225
BL	(0°-30°)	128.0	3.5	B1/500		
BM	(30°-60°)	356.9	9.8	B1/1000		
BH	(60°-80°)	266.1	7.3	B1/500		G1/500
BVH	(80°-90°)	28.6	0.8			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°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6
2.5°	382.8	398.9	406.9	414.9	417.6	420.3	420.3	418.9	418.9	418.9	421.6
5°	389.5	388.2	388.2	388.2	386.8	385.5	384.1	381.5	380.1	377.5	376.1
7.5°	357.4	384.1	385.5	386.8	386.8	385.5	388.2	390.8	388.2	384.1	378.8
10°	424.3	423.0	420.3	417.6	413.6	409.6	378.8	346.7	349.3	352.0	326.6
12.5°	368.1	393.5	404.2	414.9	416.3	416.3	394.9	372.1	342.6	313.2	301.2
15°	449.7	447.1	441.7	436.3	400.2	362.7	341.3	319.9	319.9	319.9	283.8
17.5°	378.8	377.5	401.5	425.6	412.3	398.9	368.1	337.3	291.8	244.9	274.4
20°	464.5	464.5	457.8	451.1	389.5	326.6	330.6	333.3	334.6	334.6	321.2
22.5°	389.5	386.8	389.5	390.8	390.8	390.8	334.6	278.4	309.2	338.6	307.8
25°	464.5	465.8	464.5	463.1	406.9	349.3	358.7	368.1	325.2	281.1	310.5
27.5°	405.6	404.2	397.5	390.8	392.2	393.5	364.1	333.3	350.7	368.1	337.3
30°	496.6	497.9	493.9	488.5	432.3	376.1	373.4	369.4	357.4	345.3	356.0
32.5°	599.6	599.6	558.1	516.7	481.9	445.7	416.3	386.8	398.9	410.9	397.5
35°	654.5	651.8	638.5	623.7	559.5	493.9	453.7	412.3	416.3	418.9	418.9
37.5°	752.2	750.9	732.1	713.4	626.4	538.1	485.9	432.3	440.4	447.1	437.7
40°	874.0	874.0	859.3	843.2	732.1	619.7	546.1	472.5	471.1	468.5	457.8
42.5°	991.8	995.8	986.5	977.1	847.3	717.4	621.1	524.7	512.6	500.6	489.9
45°	1069.4	1074.8	1082.8	1090.9	962.4	833.9	721.4	607.7	584.9	560.8	542.1
47.5°	1148.4	1140.4	1151.1	1161.8	1052.0	942.3	819.1	696.0	658.5	621.1	601.0
50°	1222.0	1219.4	1223.4	1227.4	1137.7	1048.0	920.9	793.7	748.2	701.4	678.6
52.5°	1318.4	1309.0	1303.7	1298.3	1222.0	1145.7	1025.3	903.5	849.9	795.1	768.3
55°	1410.8	1406.7	1398.7	1389.3	1323.8	1258.2	1131.0	1003.9	947.6	891.4	860.6
57.5°	1505.8	1503.1	1501.8	1500.4	1442.9	1385.3	1255.5	1124.3	1060.1	994.5	969.1
60°	1595.5	1596.8	1607.5	1616.9	1572.7	1528.5	1397.4	1266.2	1184.6	1101.6	1076.1
62.5°	1649.0	1653.0	1679.8	1705.2	1681.1	1657.0	1521.8	1385.3	1299.7	1212.7	1195.3
65°	1580.7	1600.8	1678.4	1756.1	1756.1	1756.1	1632.9	1508.5	1433.5	1358.6	1343.8
67.5°	1428.2	1448.2	1559.3	1669.1	1726.6	1784.2	1703.9	1623.6	1572.7	1520.5	1501.8
70°	1302.3	1314.4	1418.8	1521.8	1666.4	1811.0	1758.8	1705.2	1702.5	1698.5	1647.7
72.5°	1196.6	1223.4	1309.0	1393.4	1592.8	1792.2	1790.9	1789.5	1844.4	1899.3	1801.6
75°	957.0	954.3	1034.6	1115.0	1339.8	1563.3	1689.2	1813.6	1971.6	2128.2	1978.3
77.5°	427.0	456.4	532.7	609.0	811.1	1011.9	1254.2	1496.4	1844.4	2191.1	2038.5
80°	121.8	128.5	149.9	170.0	265.0	358.7	613.0	866.0	1303.7	1740.0	1637.0
82.5°	64.2	66.9	80.3	92.4	119.1	144.6	240.9	336.0	712.1	1086.8	993.1
85°	30.8	28.1	36.1	42.8	57.6	72.3	111.1	149.9	275.7	401.5	346.7
87.5°	6.7	6.7	8.0	8.0	12.0	16.1	24.1	32.1	30.8	28.1	33.5
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°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6
2.5°	423.0	424.3	425.6	424.3	423.0	421.6	421.6	420.3	420.3	418.9	416.3
5°	374.8	393.5	412.3	413.6	414.9	414.9	413.6	412.3	409.6	408.2	405.6
7.5°	373.4	366.7	360.0	361.4	362.7	364.1	364.1	360.0	358.7	348.0	337.3
10°	299.8	293.1	286.4	290.4	294.5	309.2	317.2	314.5	311.9	293.1	273.0
12.5°	289.1	286.4	283.8	263.7	243.6	261.0	273.0	271.7	267.7	250.3	232.9
15°	247.6	249.0	249.0	271.7	294.5	309.2	319.9	317.2	314.5	293.1	271.7
17.5°	302.5	287.8	271.7	267.7	263.7	270.4	261.0	246.3	255.6	253.0	250.3
20°	306.5	270.4	232.9	270.4	307.8	317.2	337.3	336.0	331.9	313.2	294.5
22.5°	277.1	298.5	318.6	298.5	278.4	265.0	258.3	255.6	254.3	259.7	263.7
25°	340.0	299.8	258.3	307.8	356.0	366.7	372.1	368.1	366.7	342.6	318.6
27.5°	305.2	326.6	348.0	364.1	380.1	393.5	433.7	394.9	393.5	370.8	346.7
30°	365.4	388.2	410.9	452.4	493.9	516.7	524.7	522.0	515.3	479.2	443.0
32.5°	384.1	429.7	473.8	492.6	510.0	534.1	546.1	544.8	538.1	495.2	451.1
35°	418.9	452.4	485.9	511.3	535.4	558.1	568.9	572.9	564.8	511.3	456.4
37.5°	428.3	471.1	514.0	540.7	567.5	584.9	594.3	606.3	597.0	532.7	467.1
40°	447.1	497.9	547.4	574.2	599.6	615.7	631.8	646.5	634.4	556.8	477.8
42.5°	477.8	530.0	580.9	611.7	641.1	663.9	682.6	702.7	679.9	579.6	477.8
45°	523.3	571.5	619.7	661.2	701.4	729.5	756.2	784.3	738.8	609.0	477.8
47.5°	580.9	627.7	673.3	738.8	804.4	829.9	862.0	888.7	815.1	646.5	477.8
50°	654.5	706.7	758.9	845.9	931.6	955.7	995.8	1015.9	916.9	704.0	489.9
52.5°	740.2	797.7	853.9	955.7	1057.4	1097.6	1151.1	1164.5	1019.9	761.6	501.9
55°	829.9	907.5	983.8	1096.2	1207.3	1246.1	1322.4	1333.1	1152.4	832.5	511.3
57.5°	943.6	1034.6	1124.3	1234.1	1342.5	1397.4	1516.5	1520.5	1306.4	919.5	531.4
60°	1050.7	1164.5	1276.9	1381.3	1485.7	1571.4	1709.2	1710.6	1450.9	985.1	518.0
62.5°	1177.9	1313.0	1446.9	1536.6	1626.2	1732.0	1898.0	1873.9	1552.6	993.1	433.7
65°	1327.8	1467.0	1606.2	1682.5	1757.4	1877.9	2057.2	1964.9	1580.7	947.6	313.2
67.5°	1481.7	1611.5	1741.4	1801.6	1861.8	2014.4	2173.7	1975.6	1539.2	879.4	218.2
70°	1596.8	1718.6	1840.4	1892.6	1944.8	2109.4	2208.5	1906.0	1422.8	796.4	170.0
72.5°	1702.5	1817.7	1931.4	1958.2	1983.6	2067.9	2031.8	1679.8	1199.3	670.6	140.5
75°	1828.4	1902.0	1974.3	1926.1	1877.9	1764.1	1559.3	1224.7	878.0	499.3	120.5
77.5°	1885.9	1868.5	1849.8	1685.1	1520.5	1215.3	969.1	708.1	445.7	274.4	103.1
80°	1533.9	1464.3	1393.4	1117.6	841.9	575.5	377.5	239.6	163.3	123.1	83.0
82.5°	898.1	736.2	574.2	421.6	269.0	188.7	123.1	97.7	76.3	72.3	66.9
85°	290.4	257.0	223.5	176.7	129.8	80.3	46.8	42.8	40.2	44.2	46.8
87.5°	38.8	38.8	37.5	28.1	17.4	9.4	5.4	4.0	4.0	5.4	5.4
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°	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6	421.6
2.5°	416.3	414.9	413.6	412.3	410.9	408.2	397.5	386.8	382.8	377.5	373.4
5°	392.2	378.8	369.4	360.0	356.0	350.7	352.0	353.4	354.7	354.7	354.7
7.5°	340.0	342.6	344.0	344.0	348.0	350.7	353.4	354.7	349.3	344.0	337.3
10°	270.4	266.4	271.7	275.7	282.4	287.8	305.2	322.6	338.6	354.7	361.4
12.5°	246.3	259.7	249.0	238.2	259.7	279.7	303.8	327.9	342.6	356.0	344.0
15°	250.3	227.5	230.2	231.6	258.3	283.8	269.0	254.3	295.8	336.0	348.0
17.5°	246.3	242.3	257.0	270.4	244.9	219.5	255.6	290.4	309.2	327.9	322.6
20°	266.4	236.9	236.9	236.9	259.7	282.4	265.0	247.6	267.7	287.8	321.2
22.5°	275.7	286.4	265.0	242.3	257.0	271.7	271.7	270.4	293.1	314.5	309.2
25°	278.4	238.2	257.0	274.4	265.0	254.3	266.4	277.1	283.8	290.4	319.9
27.5°	318.6	290.4	269.0	246.3	263.7	281.1	277.1	273.0	278.4	283.8	290.4
30°	377.5	311.9	287.8	262.3	253.0	242.3	254.3	265.0	285.1	305.2	331.9
32.5°	394.9	337.3	298.5	258.3	257.0	254.3	258.3	261.0	283.8	305.2	342.6
35°	392.2	326.6	289.1	250.3	242.3	234.2	240.9	246.3	279.7	313.2	349.3
37.5°	389.5	310.5	271.7	232.9	227.5	220.8	227.5	234.2	259.7	285.1	318.6
40°	385.5	291.8	254.3	215.5	208.8	202.1	208.8	214.2	234.2	254.3	281.1
42.5°	376.1	273.0	235.6	196.8	191.4	184.7	190.1	195.4	212.8	230.2	246.3
45°	365.4	251.6	215.5	179.4	174.0	168.6	172.7	175.3	191.4	206.1	214.2
47.5°	353.4	228.9	195.4	162.0	156.6	151.2	155.3	157.9	170.0	182.0	184.7
50°	350.7	210.1	179.4	147.2	143.2	137.9	140.5	143.2	152.6	160.6	160.6
52.5°	345.3	187.4	162.0	135.2	132.5	128.5	129.8	131.2	137.9	144.6	143.2
55°	341.3	171.3	148.6	125.8	123.1	119.1	120.5	121.8	128.5	133.8	132.5
57.5°	345.3	157.9	137.9	116.4	113.8	111.1	113.8	116.4	123.1	129.8	129.8
60°	331.9	144.6	125.8	107.1	105.7	103.1	109.8	115.1	125.8	135.2	137.9
62.5°	283.8	132.5	116.4	100.4	101.7	101.7	113.8	124.5	139.2	152.6	155.3
65°	218.2	123.1	109.8	95.0	101.7	108.4	124.5	140.5	153.9	167.3	163.3
67.5°	167.3	116.4	105.7	93.7	108.4	121.8	136.5	151.2	157.9	163.3	156.6
70°	140.5	109.8	101.7	92.4	107.1	121.8	136.5	151.2	153.9	156.6	149.9
72.5°	123.1	104.4	96.4	88.3	100.4	112.4	129.8	145.9	148.6	149.9	143.2
75°	109.8	97.7	88.3	79.0	91.0	101.7	119.1	136.5	139.2	140.5	135.2
77.5°	96.4	89.7	79.0	68.3	80.3	92.4	108.4	124.5	128.5	132.5	125.8
80°	80.3	76.3	68.3	60.2	73.6	85.7	100.4	115.1	119.1	123.1	116.4
82.5°	64.2	61.6	56.2	50.9	64.2	77.6	92.4	105.7	109.8	112.4	104.4
85°	46.8	46.8	44.2	41.5	54.9	66.9	76.3	85.7	84.3	83.0	77.6
87.5°	6.7	6.7	9.4	12.0	16.1	18.7	24.1	28.1	29.4	29.4	22.8
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°	421.6	421.6	421.6	421.6
2.5°	369.4	369.4	368.1	370.8
5°	354.7	356.0	356.0	357.4
7.5°	330.6	323.9	315.9	317.2
10°	368.1	369.4	370.8	370.8
12.5°	330.6	325.2	318.6	319.9
15°	358.7	362.7	366.7	368.1
17.5°	315.9	314.5	313.2	311.9
20°	353.4	360.0	366.7	366.7
22.5°	303.8	303.8	303.8	305.2
25°	349.3	357.4	364.1	364.1
27.5°	295.8	314.5	333.3	348.0
30°	357.4	361.4	365.4	366.7
32.5°	378.8	398.9	417.6	421.6
35°	384.1	393.5	401.5	405.6
37.5°	352.0	360.0	368.1	373.4
40°	306.5	313.2	319.9	323.9
42.5°	261.0	262.3	263.7	270.4
45°	222.2	215.5	208.8	207.5
47.5°	186.0	176.7	167.3	166.0
50°	159.3	151.2	143.2	143.2
52.5°	140.5	135.2	129.8	129.8
55°	131.2	128.5	124.5	124.5
57.5°	129.8	128.5	127.2	127.2
60°	139.2	140.5	140.5	140.5
62.5°	156.6	157.9	157.9	157.9
65°	157.9	155.3	152.6	152.6
67.5°	149.9	145.9	141.9	139.2
70°	141.9	139.2	135.2	131.2
72.5°	135.2	132.5	128.5	124.5
75°	128.5	124.5	119.1	116.4
77.5°	119.1	116.4	112.4	109.8
80°	108.4	105.7	101.7	96.4
82.5°	96.4	97.7	97.7	84.3
85°	70.9	66.9	61.6	50.9
87.5°	14.7	13.4	10.7	9.4
90°	0.0	0.0	0.0	0.0

(END OF REPORT)