

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: P560456

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-2)
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-HSS
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS
WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2702.5 lumens
Efficiency: N/A
Efficacy: 68.6 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

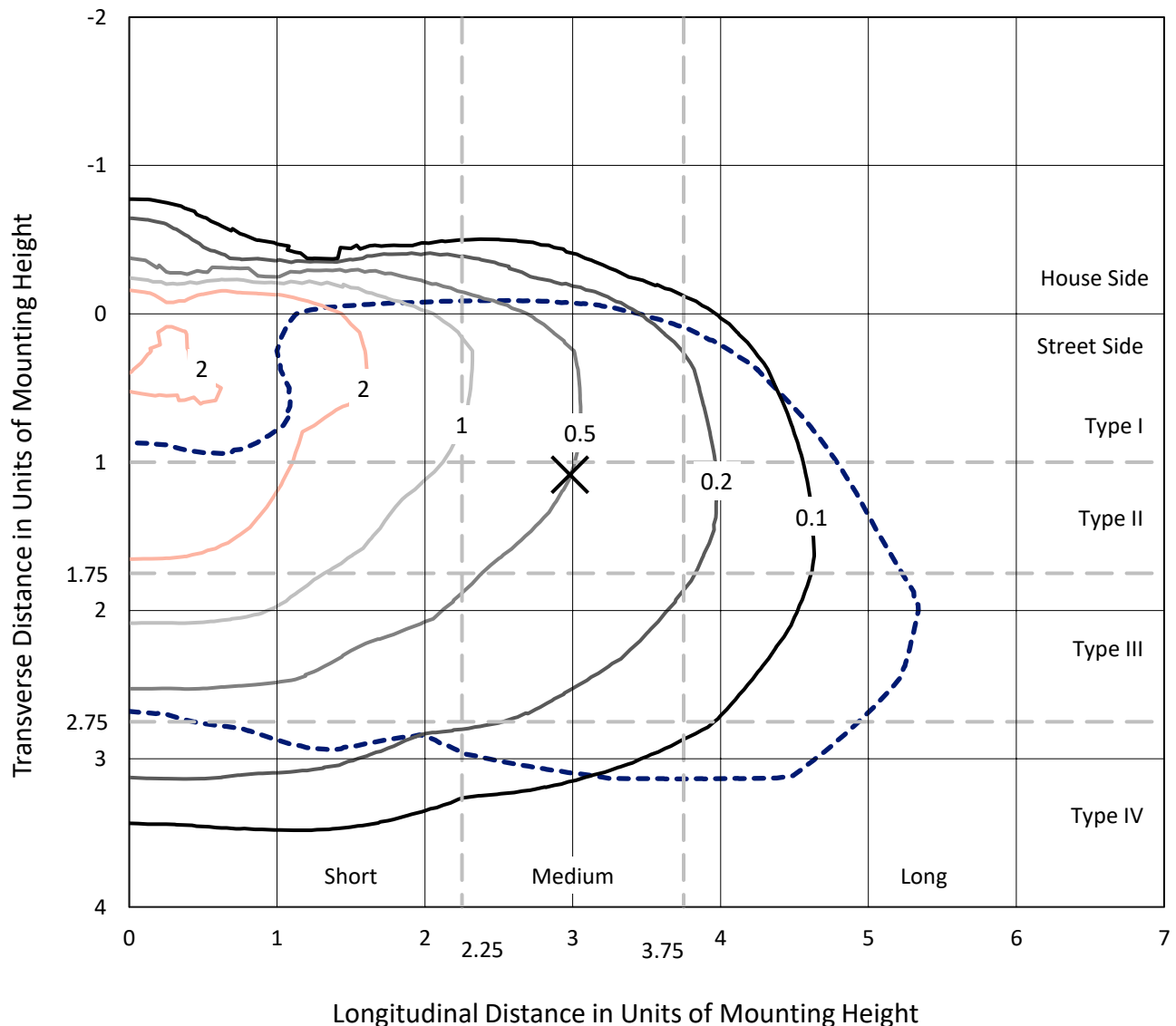


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

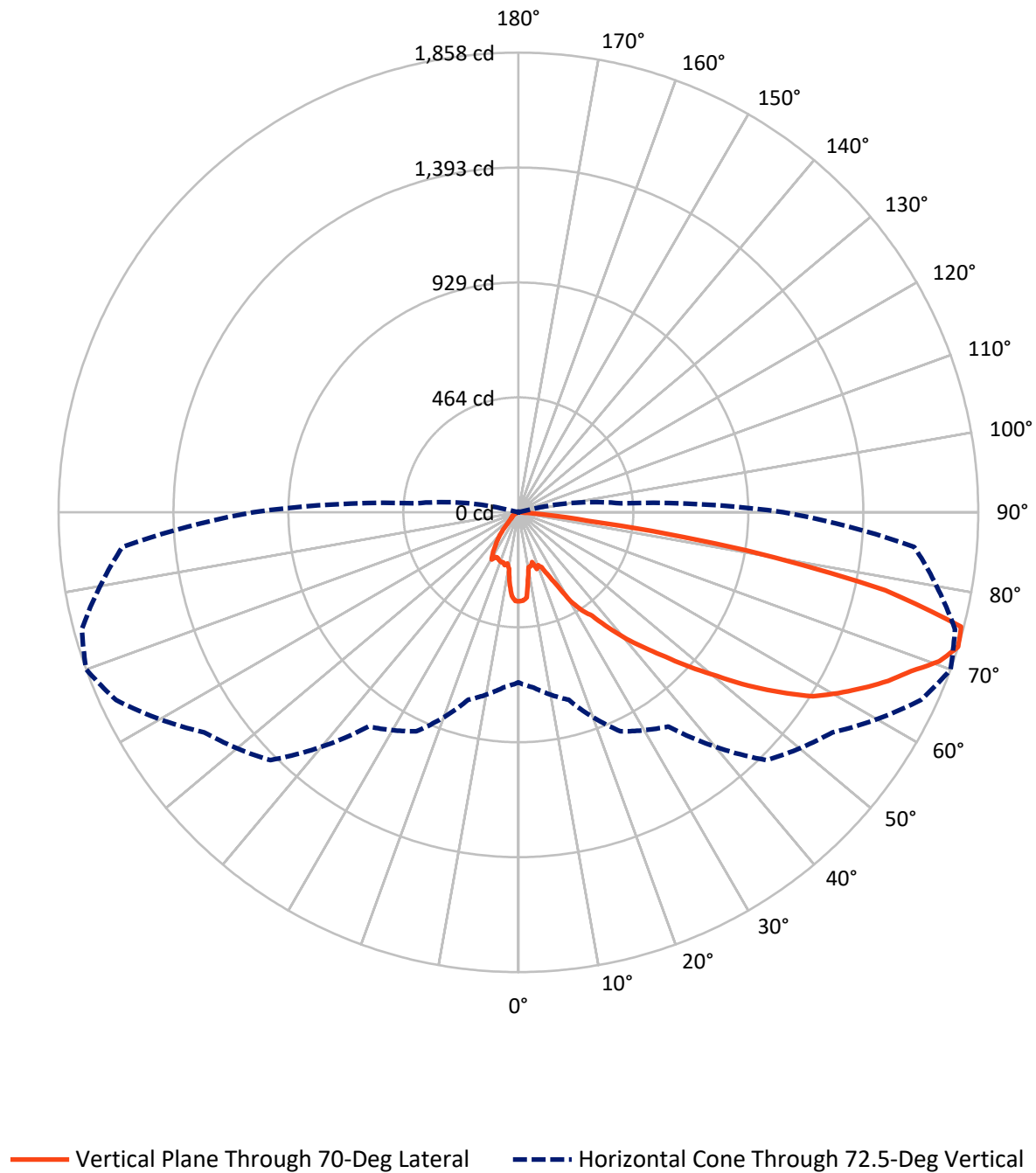


Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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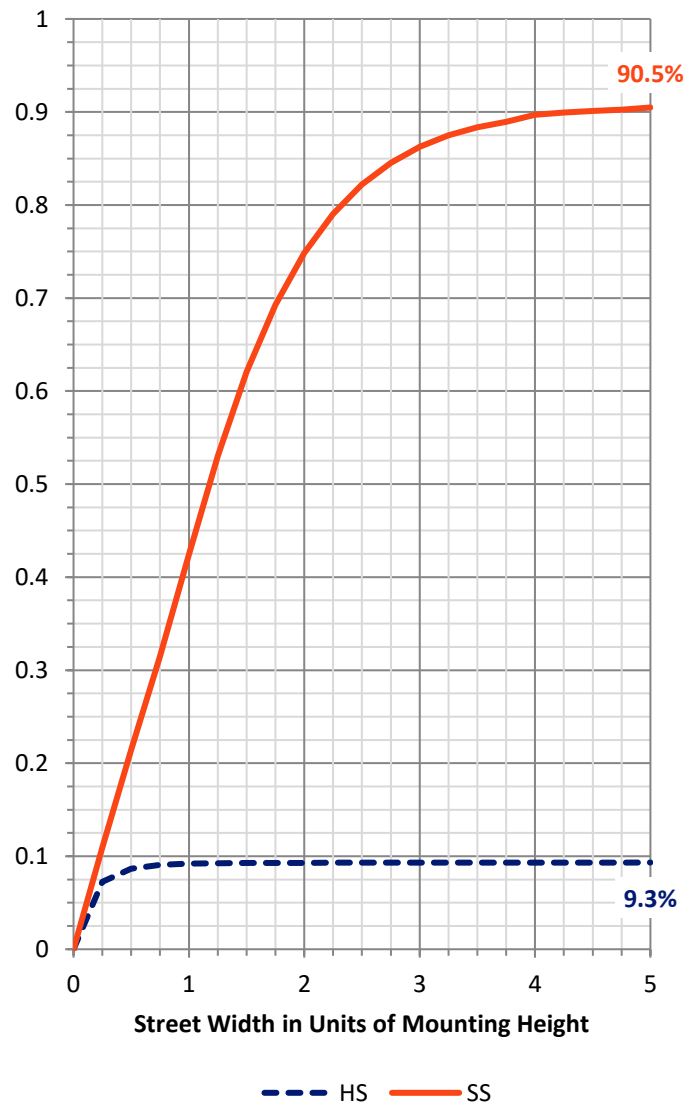
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	254.8	0.0	254.8
	% Fixture	9.4	0.0	9.4
Street Side	Lumens	2447.7	0.0	2447.7
	% Fixture	90.6	0.0	90.6
Total	Lumens	2702.5	0.0	2702.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	27.7	1.0
10°-20°	55.3	2.0
20°-30°	90.2	3.3
30°-40°	192.4	7.1
40°-50°	370.7	13.7
50°-60°	613.1	22.7
60°-70°	750.5	27.8
70°-80°	549.8	20.3
80°-90°	52.8	2.0
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°	2702.5	100.0
0°-180°	2702.5	100.0

Coefficient of Utilization



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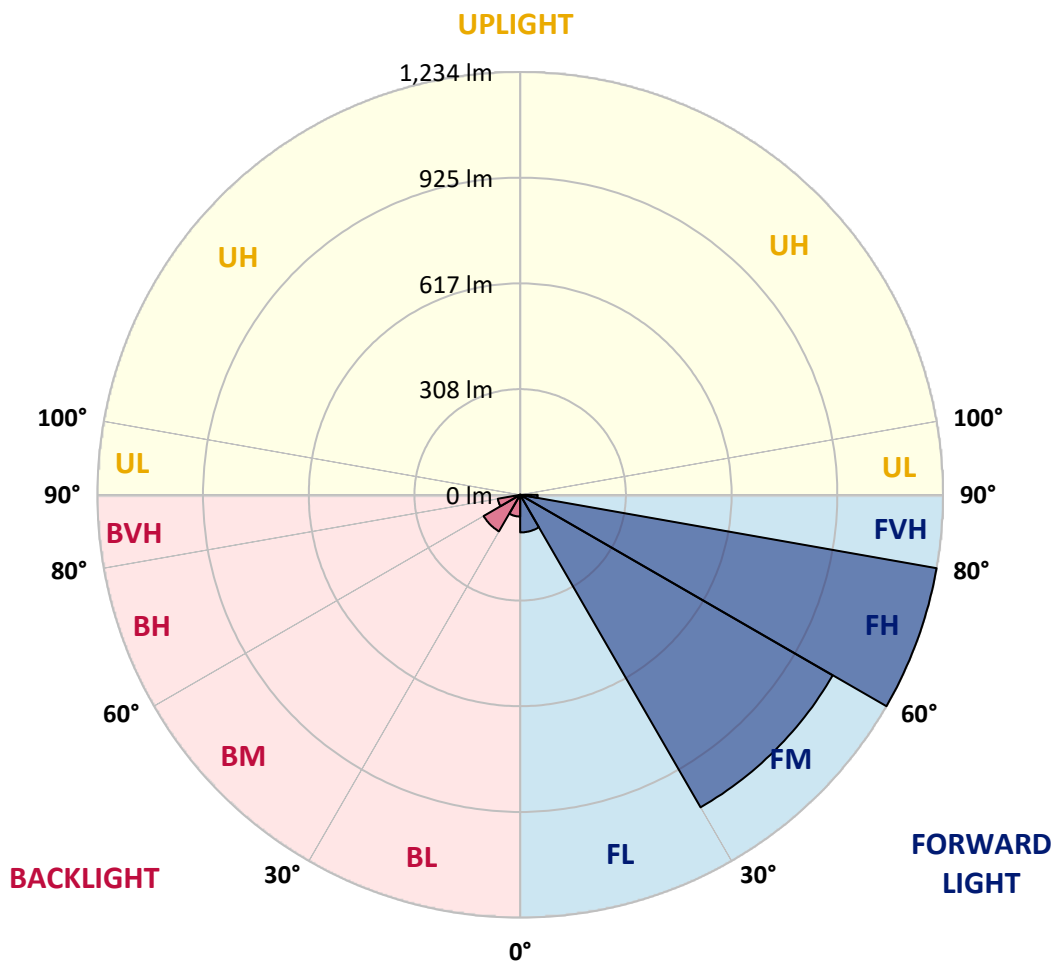
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.7	4.1			
FM	(30°-60°)	1053.1	39.0			
FH	(60°-80°)	1233.9	45.7			G1/1800
FVH	(80°-90°)	50.9	1.9			G1/100
BL	(0°-30°)	63.4	2.3	B0/110		
BM	(30°-60°)	123.1	4.6	B0/220		
BH	(60°-80°)	66.4	2.5	B0/110		G0/110
BVH	(80°-90°)	1.9	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°	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6
2.5°	319.8	329.1	334.4	339.7	338.4	337.1	339.7	342.4	347.7	351.7	354.3
5°	288.0	288.0	288.0	288.0	289.3	289.3	289.3	289.3	290.6	292.0	293.3
7.5°	249.5	254.8	257.5	260.1	266.7	272.1	277.4	282.7	285.3	286.7	288.0
10°	270.7	270.7	270.7	270.7	272.1	272.1	254.8	236.2	237.5	238.9	230.9
12.5°	224.3	223.0	237.5	250.8	260.1	268.1	258.8	248.2	232.2	215.0	212.3
15°	264.1	264.1	264.1	264.1	245.5	226.9	213.7	200.4	211.0	220.3	199.1
17.5°	208.4	213.7	229.6	245.5	245.5	245.5	233.6	221.6	199.1	175.2	200.4
20°	258.8	258.8	258.8	257.5	226.9	196.4	207.0	216.3	225.6	234.9	230.9
22.5°	215.0	212.3	216.3	220.3	229.6	237.5	211.0	183.1	213.7	242.9	228.3
25°	272.1	272.1	273.4	273.4	244.2	215.0	232.2	248.2	225.6	203.0	238.9
27.5°	245.5	237.5	236.2	233.6	242.9	250.8	238.9	226.9	252.1	277.4	265.4
30°	341.1	341.1	331.8	322.5	286.7	249.5	253.5	256.1	256.1	256.1	282.7
32.5°	473.8	475.1	439.3	402.1	370.3	337.1	307.9	277.4	293.3	309.2	326.5
35°	638.3	642.3	617.1	590.6	512.3	434.0	384.9	335.8	334.4	331.8	357.0
37.5°	756.4	764.4	744.5	724.6	631.7	538.8	468.5	398.1	391.5	383.5	392.8
40°	867.9	862.6	850.7	837.4	739.2	639.7	562.7	484.4	467.1	448.6	449.9
42.5°	1012.6	996.6	966.1	935.6	841.4	747.1	664.9	582.6	554.7	526.9	521.5
45°	1199.7	1173.1	1129.3	1084.2	991.3	898.4	797.6	695.4	660.9	625.1	617.1
47.5°	1295.2	1276.7	1248.8	1219.6	1124.0	1028.5	931.6	833.4	785.6	736.5	723.3
50°	1408.0	1384.2	1365.6	1345.7	1263.4	1179.8	1089.5	998.0	934.3	870.6	848.0
52.5°	1515.5	1475.7	1458.5	1439.9	1374.9	1308.5	1214.3	1120.1	1078.9	1036.5	982.0
55°	1554.0	1515.5	1507.6	1499.6	1453.2	1406.7	1320.5	1234.2	1186.4	1137.3	1093.5
57.5°	1470.4	1475.7	1499.6	1523.5	1497.0	1470.4	1400.1	1328.4	1275.3	1222.2	1197.0
60°	1413.3	1425.3	1461.1	1497.0	1497.0	1497.0	1458.5	1420.0	1369.6	1319.1	1301.9
62.5°	1321.8	1336.4	1390.8	1445.2	1479.7	1514.2	1473.1	1431.9	1414.7	1396.1	1380.2
65°	1201.0	1205.0	1266.0	1327.1	1398.7	1469.1	1430.6	1390.8	1424.0	1457.1	1441.2
67.5°	1061.7	1068.3	1125.4	1181.1	1266.0	1351.0	1340.4	1328.4	1401.4	1474.4	1473.1
70°	895.8	907.7	956.8	1004.6	1100.2	1194.4	1205.0	1215.6	1341.7	1466.4	1490.3
72.5°	687.4	711.3	748.5	784.3	881.2	976.7	1016.5	1056.4	1236.8	1416.0	1483.7
75°	228.3	244.2	347.7	449.9	548.1	646.3	733.9	820.1	1045.7	1270.0	1410.7
77.5°	66.4	69.0	88.9	107.5	184.5	260.1	350.4	439.3	659.6	878.5	1112.1
80°	34.5	35.8	39.8	43.8	63.7	83.6	120.8	156.6	257.5	358.3	603.8
82.5°	23.9	23.9	27.9	30.5	38.5	46.4	66.4	86.3	94.2	102.2	242.9
85°	8.0	8.0	10.6	13.3	18.6	23.9	35.8	46.4	46.4	45.1	65.0
87.5°	1.3	1.3	2.7	4.0	6.6	8.0	6.6	5.3	4.0	2.7	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):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6
2.5°	355.7	357.0	357.0	357.0	358.3	358.3	358.3	358.3	357.0	358.3	358.3
5°	293.3	317.2	339.7	346.4	350.4	351.7	351.7	351.7	350.4	350.4	350.4
7.5°	289.3	288.0	286.7	276.0	301.2	306.6	310.5	309.2	309.2	302.6	294.6
10°	223.0	223.0	223.0	225.6	240.2	257.5	274.7	274.7	274.7	254.8	234.9
12.5°	208.4	216.3	223.0	223.0	199.1	219.0	238.9	238.9	238.9	219.0	197.7
15°	177.8	187.1	195.1	208.4	248.2	272.1	295.9	295.9	294.6	272.1	248.2
17.5°	224.3	221.6	217.6	241.5	226.9	230.9	234.9	223.0	240.2	233.6	226.9
20°	226.9	203.0	177.8	228.3	280.0	302.6	325.1	326.5	322.5	297.3	270.7
22.5°	213.7	244.2	273.4	241.5	249.5	244.2	237.5	234.9	234.9	233.6	232.2
25°	273.4	244.2	215.0	282.7	330.4	346.4	362.3	358.3	353.0	317.2	281.3
27.5°	252.1	281.3	309.2	335.8	359.6	374.2	388.8	430.0	374.2	333.1	290.6
30°	307.9	343.7	378.2	416.7	489.7	510.9	532.2	521.5	508.3	428.6	349.0
32.5°	342.4	399.5	455.2	472.4	516.2	536.1	554.7	545.4	529.5	424.7	319.8
35°	380.9	434.0	485.7	513.6	566.7	582.6	597.2	582.6	565.3	420.7	276.0
37.5°	402.1	473.8	544.1	591.9	637.0	641.0	643.6	630.4	607.8	420.7	233.6
40°	451.2	528.2	603.8	672.8	708.7	710.0	711.3	690.1	648.9	416.7	183.1
42.5°	516.2	594.5	671.5	747.1	794.9	790.9	785.6	756.4	688.8	410.1	131.4
45°	609.1	678.1	747.1	832.1	890.5	879.9	867.9	824.1	716.6	403.4	88.9
47.5°	708.7	763.1	816.2	932.9	1007.3	984.7	960.8	897.1	736.5	400.8	63.7
50°	824.1	867.9	911.7	1039.1	1128.0	1085.6	1043.1	970.1	744.5	398.1	50.4
52.5°	926.3	971.4	1015.2	1163.9	1231.5	1183.8	1136.0	1027.2	740.5	392.8	43.8
55°	1048.4	1088.2	1128.0	1283.3	1337.7	1274.0	1209.0	1068.3	720.6	380.9	39.8
57.5°	1170.5	1211.6	1251.4	1402.7	1418.7	1356.3	1292.6	1108.1	700.7	368.9	35.8
60°	1284.6	1331.1	1377.5	1483.7	1495.6	1439.9	1384.2	1146.6	668.9	350.4	31.9
62.5°	1364.2	1427.9	1491.6	1563.3	1568.6	1518.2	1466.4	1175.8	627.7	329.1	29.2
65°	1424.0	1511.6	1597.8	1641.6	1639.0	1603.1	1567.3	1201.0	594.5	309.2	23.9
67.5°	1470.4	1576.6	1682.7	1711.9	1718.6	1685.4	1652.2	1205.0	553.4	286.7	18.6
70°	1514.2	1631.0	1747.8	1803.5	1790.2	1738.5	1686.7	1174.5	497.7	256.1	13.3
72.5°	1550.0	1672.1	1794.2	1857.9	1826.1	1715.9	1605.8	1071.0	416.7	213.7	9.3
75°	1550.0	1672.1	1792.9	1847.3	1738.5	1519.5	1299.2	797.6	244.2	126.1	8.0
77.5°	1345.7	1434.6	1523.5	1515.5	1324.4	1052.4	779.0	459.2	82.3	45.1	6.6
80°	849.3	907.7	966.1	936.9	676.8	485.7	293.3	153.9	29.2	17.3	5.3
82.5°	383.5	376.9	370.3	285.3	132.7	88.9	43.8	26.5	8.0	5.3	2.7
85°	84.9	82.3	79.6	58.4	39.8	26.5	13.3	8.0	4.0	4.0	2.7
87.5°	8.0	9.3	9.3	6.6	6.6	5.3	2.7	2.7	2.7	2.7	2.7
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°	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6	359.6
2.5°	358.3	358.3	358.3	357.0	357.0	357.0	347.7	337.1	330.4	322.5	318.5
5°	338.4	326.5	311.9	297.3	294.6	290.6	292.0	292.0	293.3	293.3	293.3
7.5°	288.0	281.3	284.0	286.7	286.7	286.7	286.7	285.3	284.0	282.7	269.4
10°	229.6	224.3	224.3	224.3	228.3	230.9	224.3	216.3	228.3	238.9	236.2
12.5°	211.0	224.3	207.0	188.4	191.1	192.4	192.4	191.1	185.8	180.5	161.9
15°	220.3	192.4	176.5	159.3	159.3	159.3	128.7	98.2	91.6	84.9	86.3
17.5°	211.0	195.1	176.5	156.6	118.1	78.3	74.3	69.0	69.0	69.0	70.3
20°	212.3	153.9	130.1	106.2	84.9	62.4	58.4	53.1	50.4	46.4	54.4
22.5°	208.4	183.1	124.7	66.4	58.4	50.4	46.4	41.1	47.8	54.4	54.4
25°	201.7	120.8	90.2	58.4	49.1	39.8	45.1	49.1	46.4	42.5	49.1
27.5°	203.0	114.1	78.3	42.5	45.1	46.4	43.8	39.8	43.8	46.4	43.8
30°	219.0	88.9	66.4	42.5	41.1	38.5	39.8	41.1	39.8	37.2	39.8
32.5°	195.1	70.3	55.7	39.8	38.5	37.2	35.8	34.5	35.8	35.8	35.8
35°	164.6	53.1	45.1	37.2	34.5	31.9	31.9	30.5	30.5	30.5	30.5
37.5°	139.3	45.1	39.8	33.2	30.5	27.9	26.5	23.9	23.9	22.6	22.6
40°	112.8	41.1	35.8	29.2	26.5	22.6	21.2	18.6	18.6	17.3	17.3
42.5°	84.9	37.2	31.9	25.2	22.6	18.6	15.9	13.3	13.3	11.9	11.9
45°	61.0	33.2	27.9	21.2	18.6	14.6	11.9	9.3	9.3	8.0	8.0
47.5°	47.8	30.5	25.2	18.6	14.6	10.6	9.3	6.6	6.6	6.6	6.6
50°	38.5	26.5	21.2	14.6	10.6	6.6	5.3	4.0	4.0	4.0	4.0
52.5°	34.5	23.9	18.6	11.9	9.3	5.3	4.0	2.7	4.0	4.0	4.0
55°	30.5	21.2	15.9	9.3	6.6	4.0	4.0	2.7	4.0	4.0	4.0
57.5°	27.9	18.6	13.3	6.6	5.3	2.7	2.7	1.3	2.7	2.7	2.7
60°	23.9	15.9	10.6	5.3	4.0	1.3	1.3	1.3	2.7	2.7	2.7
62.5°	21.2	13.3	9.3	4.0	2.7	1.3	1.3	1.3	2.7	2.7	2.7
65°	17.3	9.3	6.6	2.7	2.7	1.3	1.3	1.3	2.7	2.7	2.7
67.5°	13.3	6.6	5.3	2.7	2.7	1.3	1.3	1.3	2.7	2.7	1.3
70°	9.3	5.3	4.0	1.3	1.3	1.3	1.3	1.3	2.7	2.7	1.3
72.5°	6.6	4.0	2.7	1.3	1.3	0.0	1.3	1.3	2.7	2.7	2.7
75°	6.6	4.0	2.7	1.3	1.3	0.0	1.3	2.7	2.7	2.7	2.7
77.5°	5.3	2.7	2.7	1.3	1.3	0.0	1.3	2.7	2.7	2.7	2.7
80°	4.0	2.7	2.7	1.3	1.3	0.0	2.7	4.0	4.0	4.0	2.7
82.5°	2.7	2.7	2.7	1.3	1.3	0.0	2.7	4.0	4.0	4.0	2.7
85°	2.7	2.7	2.7	2.7	1.3	0.0	2.7	4.0	4.0	4.0	4.0
87.5°	2.7	2.7	2.7	2.7	2.7	1.3	4.0	5.3	5.3	4.0	4.0
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°	359.6	359.6	359.6	359.6
2.5°	313.2	313.2	311.9	315.8
5°	293.3	293.3	293.3	294.6
7.5°	254.8	245.5	236.2	237.5
10°	232.2	229.6	225.6	228.3
12.5°	143.3	135.4	126.1	122.1
15°	87.6	87.6	87.6	86.3
17.5°	71.7	66.4	59.7	61.0
20°	62.4	63.7	65.0	65.0
22.5°	54.4	51.8	49.1	49.1
25°	54.4	54.4	54.4	54.4
27.5°	41.1	41.1	39.8	39.8
30°	42.5	42.5	41.1	39.8
32.5°	34.5	34.5	34.5	34.5
35°	29.2	27.9	26.5	26.5
37.5°	22.6	21.2	19.9	19.9
40°	15.9	15.9	14.6	14.6
42.5°	11.9	11.9	10.6	10.6
45°	8.0	8.0	8.0	8.0
47.5°	5.3	5.3	5.3	5.3
50°	4.0	4.0	4.0	4.0
52.5°	4.0	4.0	2.7	2.7
55°	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	2.7	2.7
60°	2.7	2.7	1.3	1.3
62.5°	1.3	1.3	1.3	1.3
65°	1.3	1.3	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°	1.3	1.3	0.0	0.0
75°	1.3	1.3	0.0	0.0
77.5°	1.3	1.3	0.0	0.0
80°	1.3	1.3	0.0	0.0
82.5°	1.3	1.3	1.3	0.0
85°	2.7	2.7	1.3	0.0
87.5°	2.7	2.7	1.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)