

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: P560460

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

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560460
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-PA1-40-827-U-T4W-HSS
Description: Springdale
(1) 80 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: 2640.3 lumens
Efficiency: N/A
Efficacy: 67.0 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: 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

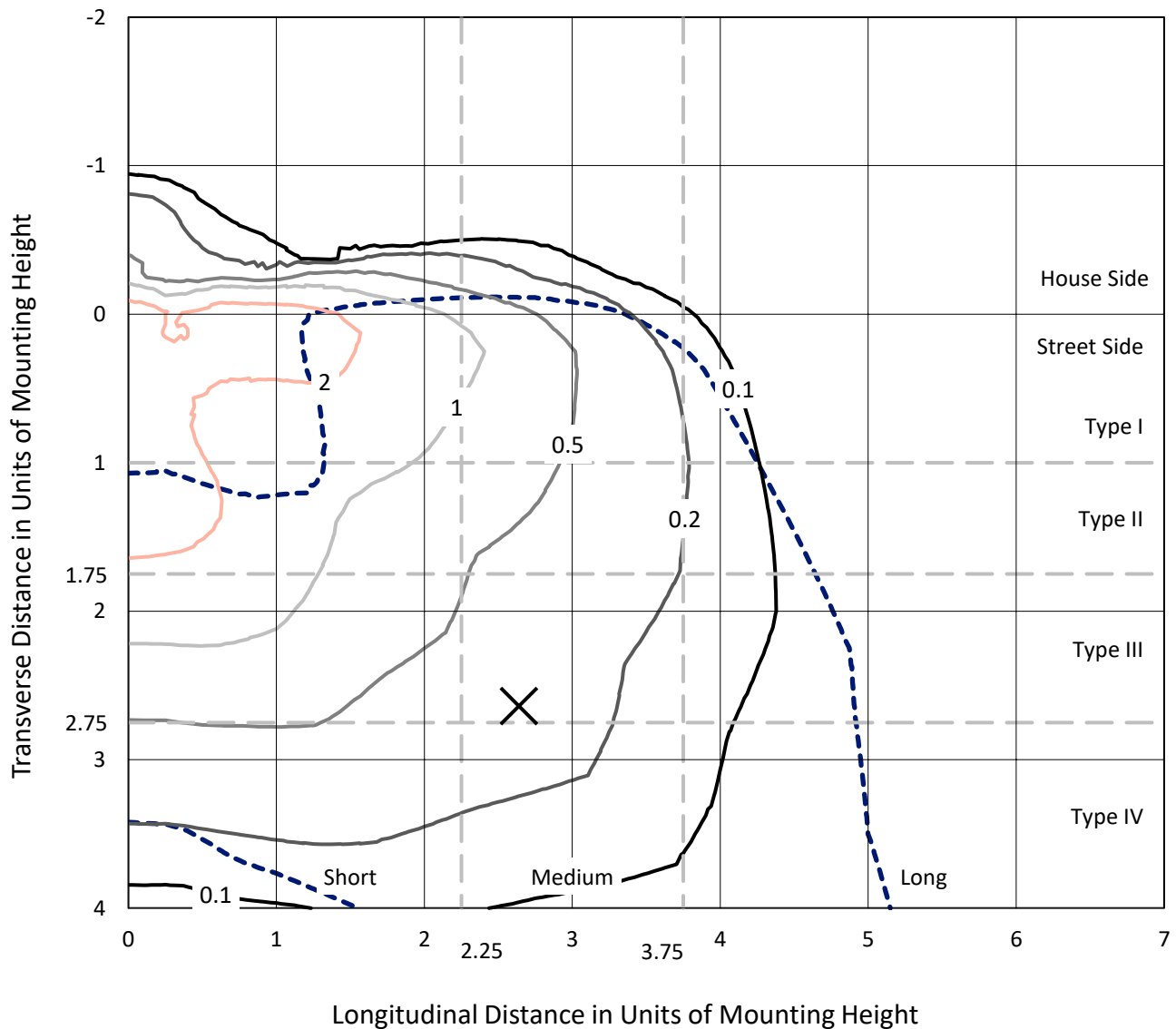


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

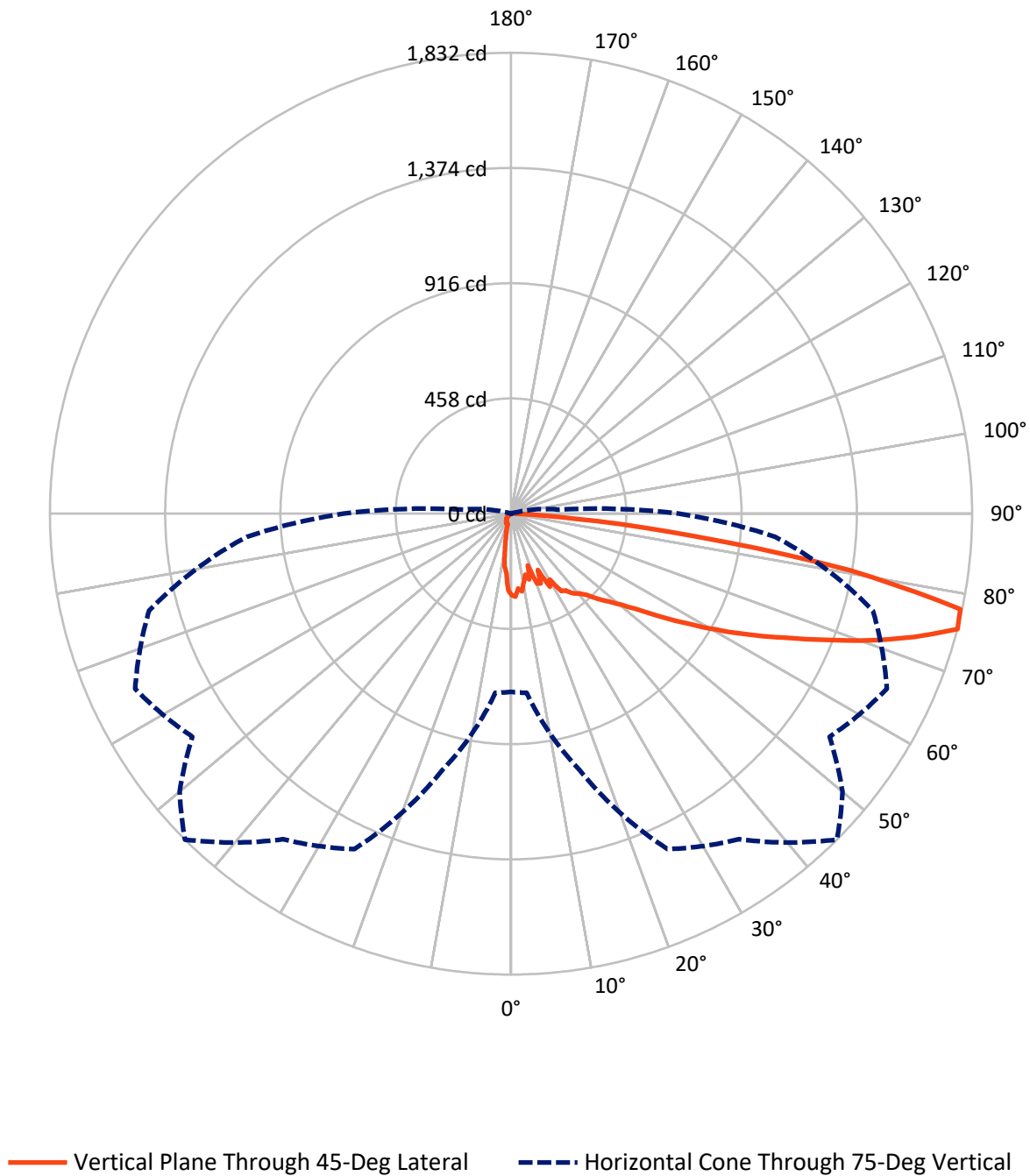


Based on 10 foot mounting height. Maximum calculated value = 3.4 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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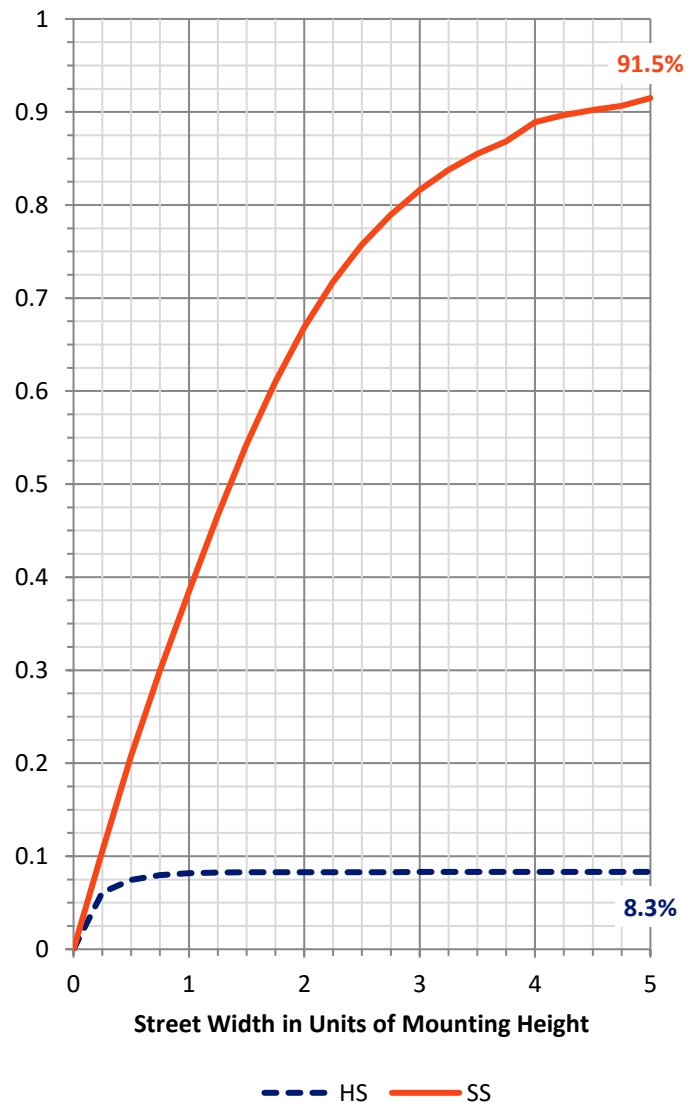
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	221.7	0.0	221.7
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	2418.6	0.0	2418.6
	% Fixture	91.6	0.0	91.6
Total	Lumens	2640.3	0.0	2640.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.1	1.0
10°-20°	55.3	2.1
20°-30°	93.5	3.5
30°-40°	172.1	6.5
40°-50°	282.4	10.7
50°-60°	502.7	19.0
60°-70°	752.1	28.5
70°-80°	669.6	25.4
80°-90°	87.5	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°	2640.3	100.0
0°-180°	2640.3	100.0

Coefficient of Utilization



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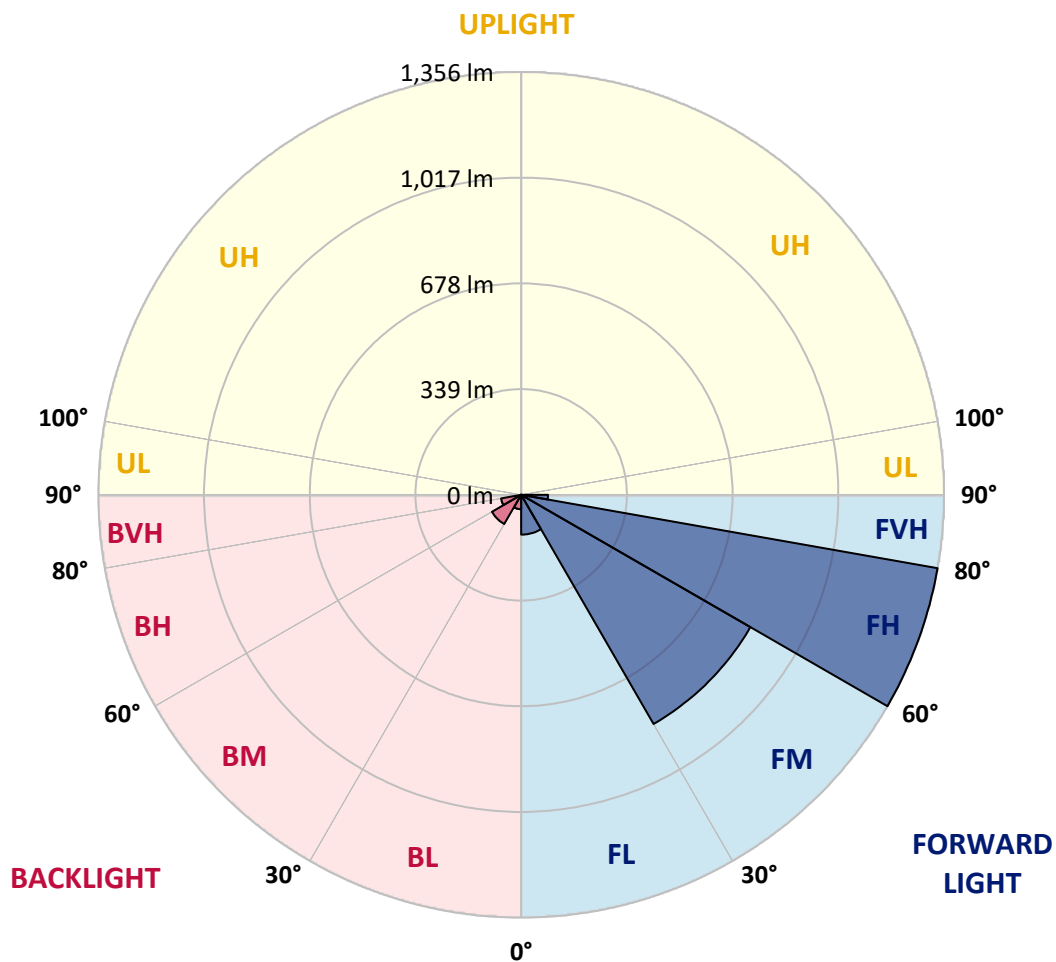
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	127.6	4.8			
FM	(30°-60°)	848.7	32.1			
FH	(60°-80°)	1356.1	51.4			G1/1800
FVH	(80°-90°)	86.1	3.3			G1/100
BL	(0°-30°)	46.2	1.8	B0/110		
BM	(30°-60°)	108.5	4.1	B0/220		
BH	(60°-80°)	65.6	2.5	B0/110		G0/110
BVH	(80°-90°)	1.3	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°	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7
2.5°	301.2	323.7	326.4	327.7	330.4	331.7	331.7	331.7	331.7	330.4	330.4
5°	318.4	317.1	315.8	314.5	313.1	310.5	307.8	303.8	301.2	298.5	295.9
7.5°	311.8	313.1	317.1	319.8	318.4	317.1	319.8	321.1	317.1	311.8	306.5
10°	363.5	360.9	358.2	355.6	351.6	347.6	315.8	283.9	281.3	277.3	274.6
12.5°	318.4	358.2	358.2	358.2	358.2	358.2	337.0	315.8	282.6	249.4	211.0
15°	398.0	396.7	391.4	386.1	350.3	313.1	293.2	273.3	273.3	272.0	256.1
17.5°	330.4	330.4	356.9	382.1	367.5	352.9	325.1	297.2	257.4	216.3	232.2
20°	417.9	417.9	412.6	407.3	346.3	285.3	287.9	290.6	293.2	295.9	245.5
22.5°	343.6	341.0	338.3	335.7	342.3	348.9	294.5	238.8	270.7	301.2	234.8
25°	419.3	423.2	420.6	416.6	362.2	307.8	319.8	330.4	289.2	248.1	287.9
27.5°	359.6	355.6	350.3	343.6	347.6	351.6	326.4	299.9	314.5	329.0	264.0
30°	440.5	441.8	439.2	436.5	384.8	333.0	331.7	329.0	317.1	303.8	297.2
32.5°	545.3	534.7	497.5	460.4	428.6	396.7	371.5	346.3	356.9	366.2	330.4
35°	595.7	575.8	559.9	542.7	489.6	435.2	404.7	372.8	374.2	375.5	360.9
37.5°	644.8	615.6	595.7	575.8	512.1	448.5	415.3	382.1	392.7	402.0	386.1
40°	662.1	646.1	634.2	622.3	554.6	485.6	447.1	407.3	412.6	416.6	411.3
42.5°	705.9	703.2	696.6	688.6	607.7	525.4	479.0	432.5	437.8	441.8	439.2
45°	810.7	806.7	806.7	805.4	700.5	594.4	533.4	472.3	477.6	483.0	480.3
47.5°	946.0	939.4	931.4	922.1	810.7	697.9	610.3	521.4	521.4	521.4	525.4
50°	1088.0	1078.7	1061.4	1042.9	930.1	817.3	705.9	594.4	582.5	569.2	583.8
52.5°	1235.2	1219.3	1190.1	1159.6	1060.1	960.6	834.6	707.2	671.4	634.2	652.8
55°	1314.9	1297.6	1277.7	1256.5	1175.5	1093.3	964.6	835.9	780.2	723.1	743.0
57.5°	1379.9	1375.9	1366.6	1357.3	1295.0	1232.6	1103.9	973.9	898.2	822.6	839.9
60°	1468.8	1463.5	1467.4	1471.4	1423.7	1375.9	1253.8	1130.4	1033.6	935.4	930.1
62.5°	1535.1	1533.8	1553.7	1573.6	1548.4	1521.8	1385.2	1247.2	1153.0	1057.5	1030.9
65°	1474.1	1491.3	1565.6	1639.9	1635.9	1630.6	1503.3	1374.6	1281.7	1187.5	1153.0
67.5°	1345.4	1353.3	1463.5	1572.3	1620.0	1666.5	1576.2	1484.7	1411.7	1337.4	1273.7
70°	1224.6	1241.9	1338.7	1435.6	1559.0	1682.4	1610.7	1539.1	1524.5	1508.6	1426.3
72.5°	1107.9	1138.4	1228.6	1318.8	1483.4	1646.6	1604.1	1561.6	1618.7	1675.7	1577.6
75°	708.5	715.1	886.3	1056.1	1264.4	1471.4	1525.8	1580.2	1706.3	1832.3	1719.5
77.5°	207.0	229.5	358.2	486.9	725.8	963.3	1149.0	1334.8	1580.2	1825.7	1687.7
80°	70.3	75.6	94.2	111.5	238.8	366.2	581.1	794.8	1080.0	1365.3	1268.4
82.5°	34.5	35.8	45.1	53.1	80.9	108.8	218.9	327.7	529.4	729.7	747.0
85°	10.6	10.6	15.9	21.2	34.5	47.8	82.3	115.4	183.1	249.4	211.0
87.5°	2.7	2.7	4.0	5.3	8.0	10.6	10.6	10.6	8.0	5.3	6.6
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°	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7
2.5°	331.7	331.7	331.7	330.4	327.7	326.4	323.7	321.1	318.4	317.1	314.5
5°	291.9	309.1	325.1	326.4	326.4	322.4	318.4	314.5	310.5	306.5	302.5
7.5°	299.9	290.6	281.3	282.6	283.9	282.6	280.0	273.3	268.0	257.4	245.5
10°	240.1	233.5	225.6	228.2	230.9	237.5	244.1	238.8	230.9	211.0	189.7
12.5°	236.2	234.8	232.2	212.3	191.1	201.7	211.0	205.7	197.7	177.8	156.6
15°	201.7	203.0	203.0	222.9	242.8	250.8	257.4	250.8	241.5	214.9	187.1
17.5°	260.1	246.8	233.5	225.6	216.3	218.9	221.6	192.4	201.7	184.4	165.8
20°	269.3	225.6	181.8	217.6	253.4	265.4	277.3	270.7	258.7	216.3	172.5
22.5°	245.5	261.4	277.3	254.7	232.2	217.6	201.7	195.0	187.1	168.5	149.9
25°	303.8	260.1	214.9	257.4	298.5	301.2	303.8	291.9	278.6	225.6	172.5
27.5°	272.0	286.6	299.9	309.1	318.4	330.4	342.3	329.0	297.2	234.8	171.2
30°	323.7	343.6	363.5	394.1	424.6	433.9	441.8	427.2	402.0	297.2	191.1
32.5°	338.3	378.1	417.9	429.9	440.5	452.4	464.4	452.4	421.9	294.5	165.8
35°	378.1	406.0	432.5	451.1	469.7	480.3	490.9	483.0	441.8	290.6	139.3
37.5°	390.1	427.2	463.1	484.3	504.2	513.5	521.4	521.4	463.1	287.9	111.5
40°	408.7	455.1	501.5	521.4	540.0	554.6	567.9	573.2	486.9	286.6	84.9
42.5°	445.8	486.9	528.1	559.9	590.4	611.7	632.9	636.9	514.8	290.6	65.0
45°	485.6	529.4	573.2	615.6	658.1	688.6	717.8	715.1	548.0	301.2	53.1
47.5°	542.7	583.8	624.9	696.6	766.9	796.1	823.9	805.4	582.5	314.5	46.4
50°	601.0	651.5	701.9	793.4	883.6	910.2	935.4	896.9	615.6	330.4	43.8
52.5°	676.7	736.4	796.1	900.9	1005.7	1029.6	1053.5	975.2	640.8	341.0	41.1
55°	765.6	842.5	919.5	1019.0	1117.2	1145.0	1172.9	1052.1	652.8	346.3	39.8
57.5°	873.0	961.9	1049.5	1141.0	1231.3	1269.7	1306.9	1127.8	658.1	347.6	37.2
60°	977.8	1076.0	1174.2	1252.5	1330.8	1390.5	1448.9	1202.1	655.4	345.0	33.2
62.5°	1074.7	1183.5	1291.0	1363.9	1436.9	1508.6	1580.2	1261.8	638.2	333.0	26.5
65°	1175.5	1291.0	1405.1	1468.8	1532.4	1625.3	1716.9	1313.5	614.3	317.1	18.6
67.5°	1267.1	1377.2	1487.3	1559.0	1630.6	1722.2	1812.4	1326.8	579.8	297.2	13.3
70°	1344.0	1463.5	1581.5	1654.5	1727.5	1773.9	1819.0	1268.4	510.8	260.1	9.3
72.5°	1450.2	1557.7	1663.8	1701.0	1736.8	1655.8	1573.6	1057.5	383.4	196.4	8.0
75°	1545.7	1597.5	1647.9	1568.3	1488.7	1271.1	1053.5	666.1	187.1	98.2	8.0
77.5°	1448.9	1421.0	1393.1	1149.0	903.5	671.4	437.8	261.4	58.4	31.8	5.3
80°	1049.5	922.1	793.4	549.3	303.8	203.0	100.8	58.4	14.6	9.3	4.0
82.5°	565.2	436.5	306.5	197.7	88.9	59.7	29.2	19.9	6.6	5.3	2.7
85°	204.3	161.9	118.1	91.5	65.0	38.5	10.6	6.6	4.0	4.0	2.7
87.5°	18.6	21.2	23.9	18.6	11.9	8.0	2.7	2.7	2.7	2.7	1.3
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°	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7	323.7
2.5°	313.1	311.8	310.5	307.8	306.5	305.2	295.9	286.6	276.0	265.4	265.4
5°	285.3	268.0	258.7	249.4	242.8	236.2	234.8	232.2	229.5	226.9	225.6
7.5°	238.8	232.2	226.9	221.6	214.9	208.3	201.7	195.0	189.7	184.4	172.5
10°	179.1	168.5	160.5	152.6	148.6	143.3	135.3	126.0	126.0	126.0	124.7
12.5°	155.2	153.9	134.0	112.8	106.1	99.5	98.2	96.9	94.2	90.2	84.9
15°	153.9	119.4	102.2	83.6	79.6	74.3	66.3	57.1	55.7	53.1	59.7
17.5°	139.3	112.8	92.9	73.0	58.4	43.8	46.4	47.8	54.4	59.7	63.7
20°	126.0	79.6	66.3	51.7	47.8	42.5	45.1	47.8	46.4	43.8	50.4
22.5°	118.1	84.9	62.4	39.8	42.5	45.1	42.5	38.5	45.1	51.7	55.7
25°	114.1	54.4	49.1	42.5	39.8	37.2	42.5	46.4	43.8	41.1	49.1
27.5°	112.8	54.4	46.4	37.2	39.8	42.5	41.1	38.5	43.8	47.8	46.4
30°	120.7	49.1	43.8	38.5	37.2	35.8	38.5	41.1	41.1	39.8	46.4
32.5°	107.5	49.1	43.8	37.2	37.2	35.8	35.8	35.8	39.8	43.8	46.4
35°	92.9	45.1	41.1	35.8	34.5	33.2	34.5	34.5	38.5	41.1	46.4
37.5°	77.0	42.5	38.5	33.2	31.8	30.5	30.5	29.2	33.2	37.2	41.1
40°	62.4	39.8	35.8	30.5	29.2	27.9	27.9	27.9	30.5	31.8	34.5
42.5°	51.7	37.2	33.2	27.9	26.5	25.2	25.2	23.9	25.2	26.5	27.9
45°	45.1	35.8	31.8	26.5	25.2	22.6	21.2	19.9	19.9	19.9	19.9
47.5°	39.8	33.2	30.5	26.5	23.9	19.9	18.6	15.9	14.6	13.3	11.9
50°	37.2	30.5	27.9	23.9	21.2	17.2	14.6	11.9	10.6	8.0	8.0
52.5°	34.5	27.9	25.2	21.2	17.2	13.3	10.6	6.6	6.6	5.3	5.3
55°	33.2	26.5	22.6	18.6	14.6	9.3	6.6	4.0	4.0	2.7	2.7
57.5°	31.8	25.2	21.2	15.9	10.6	5.3	4.0	2.7	2.7	2.7	2.7
60°	27.9	22.6	17.2	10.6	6.6	2.7	2.7	1.3	2.7	2.7	2.7
62.5°	22.6	17.2	11.9	6.6	4.0	1.3	1.3	1.3	2.7	2.7	2.7
65°	15.9	11.9	8.0	4.0	2.7	1.3	1.3	1.3	1.3	1.3	1.3
67.5°	11.9	9.3	6.6	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3
70°	8.0	6.6	5.3	2.7	2.7	1.3	1.3	1.3	1.3	1.3	1.3
72.5°	6.6	5.3	4.0	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
75°	6.6	5.3	4.0	1.3	1.3	0.0	1.3	1.3	1.3	1.3	1.3
77.5°	5.3	4.0	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	1.3	2.7	2.7	2.7	2.7
82.5°	2.7	2.7	2.7	1.3	1.3	0.0	2.7	4.0	4.0	2.7	2.7
85°	2.7	1.3	1.3	1.3	1.3	1.3	2.7	4.0	4.0	4.0	2.7
87.5°	1.3	1.3	1.3	1.3	1.3	1.3	2.7	4.0	4.0	4.0	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):

	165°	170°	175°	180°
0°	323.7	323.7	323.7	323.7
2.5°	264.0	264.0	262.7	262.7
5°	222.9	222.9	221.6	221.6
7.5°	160.5	157.9	153.9	155.2
10°	123.4	120.7	118.1	120.7
12.5°	79.6	80.9	80.9	77.0
15°	65.0	70.3	74.3	74.3
17.5°	67.7	67.7	66.3	66.3
20°	57.1	62.4	67.7	67.7
22.5°	58.4	55.7	53.1	53.1
25°	55.7	59.7	62.4	62.4
27.5°	45.1	46.4	47.8	47.8
30°	51.7	54.4	55.7	55.7
32.5°	49.1	51.7	53.1	54.4
35°	50.4	53.1	54.4	54.4
37.5°	45.1	46.4	47.8	47.8
40°	35.8	37.2	38.5	38.5
42.5°	27.9	27.9	26.5	27.9
45°	18.6	18.6	17.2	18.6
47.5°	10.6	10.6	10.6	10.6
50°	6.6	6.6	6.6	6.6
52.5°	4.0	4.0	4.0	4.0
55°	2.7	2.7	2.7	2.7
57.5°	2.7	2.7	1.3	1.3
60°	1.3	1.3	1.3	1.3
62.5°	1.3	1.3	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°	1.3	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	0.0	0.0
85°	1.3	1.3	1.3	0.0
87.5°	1.3	1.3	1.3	0.0
90°	0.0	0.0	0.0	0.0

(END OF REPORT)