

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: P560452

Luminaire Tested: **SDL-PA1-40-827-U-T2U-HSS**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-6)
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-T2U-HSS
Description: Springdale
(1) 80 CRI, 2700K, 500mA LIGHT ENGINE WITH 24 LEDS AND TYPE II U OPTICS
AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2633.7 lumens
Efficiency: N/A
Efficacy: 66.8 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type II - Short
BUG Rating: B1 - 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

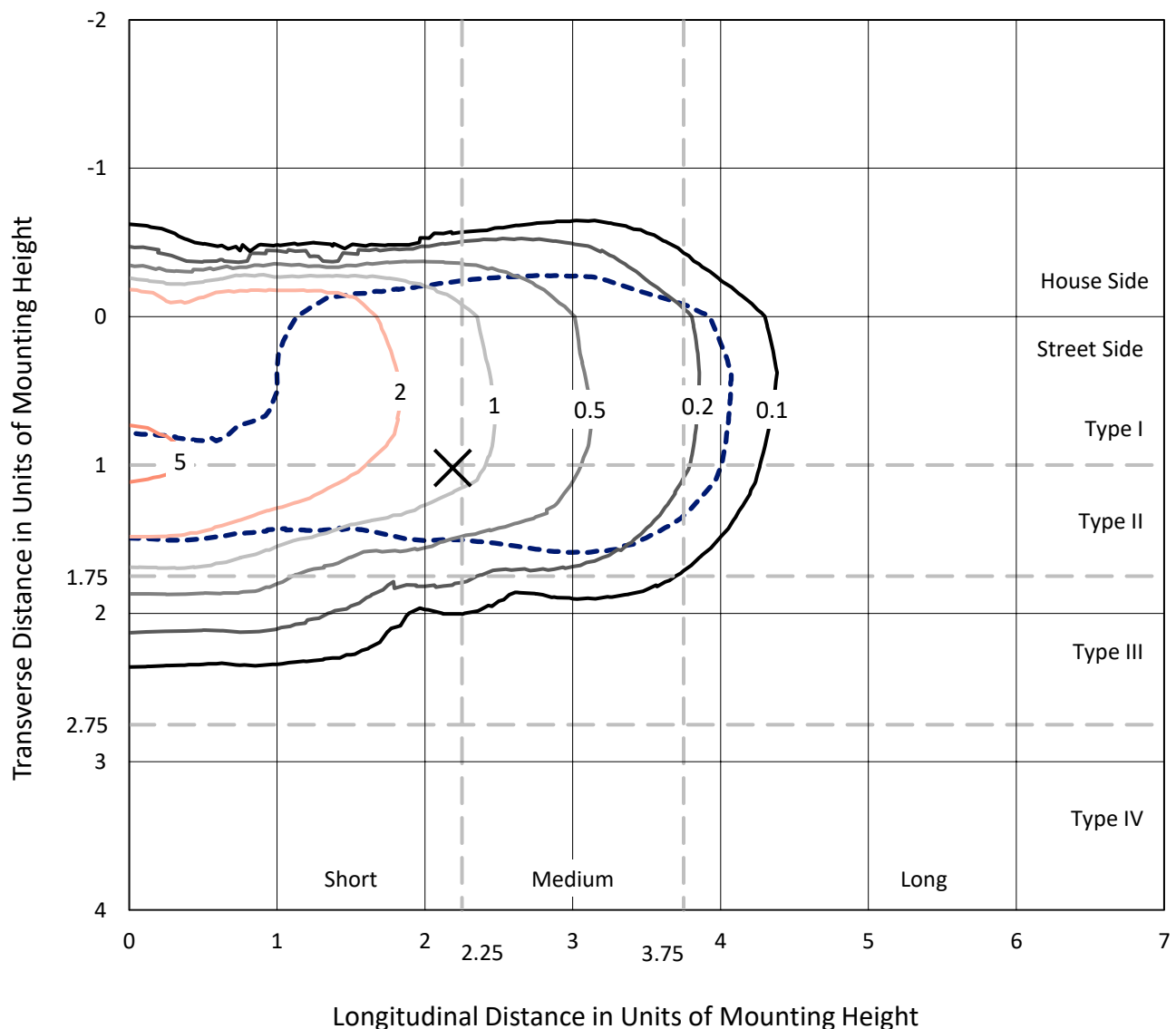


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

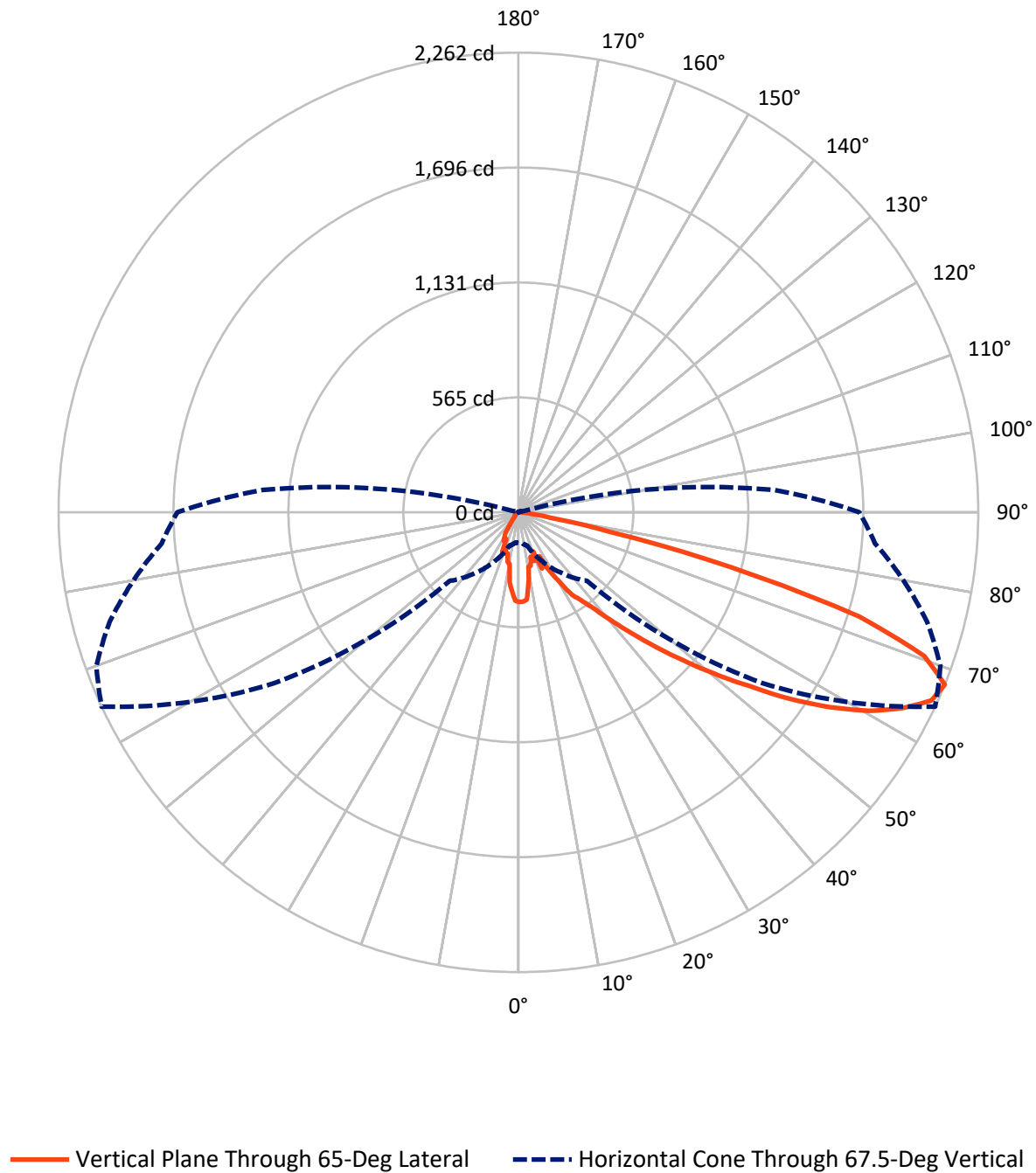


Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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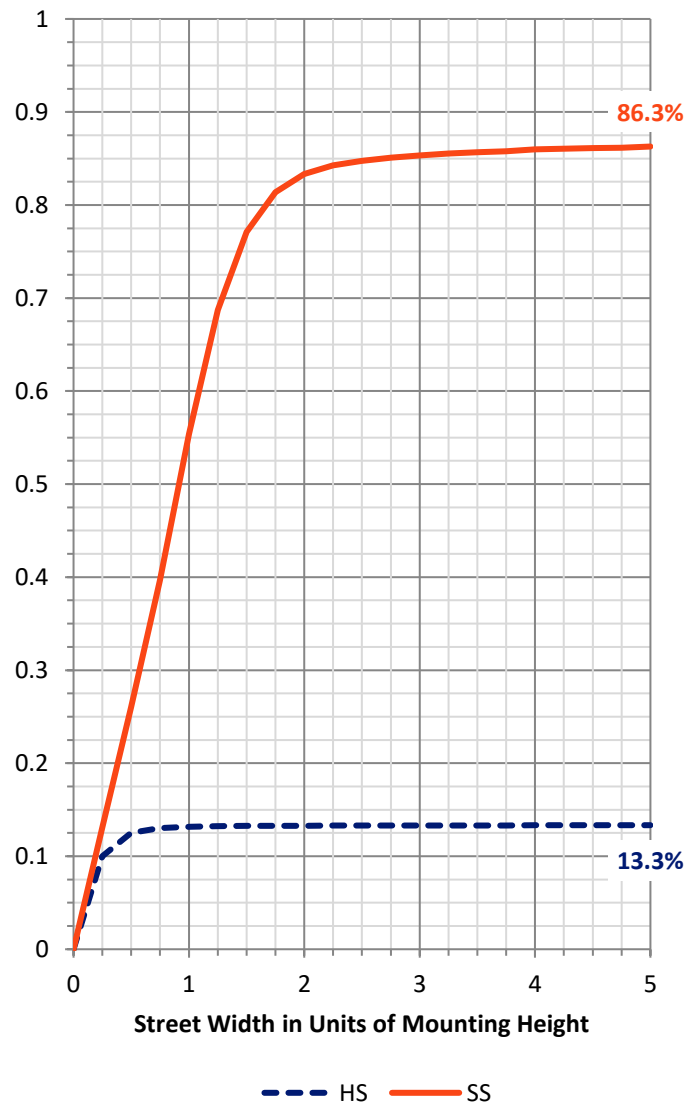
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	356.1	0.0	356.1
	% Fixture	13.5	0.0	13.5
Street Side	Lumens	2277.6	0.0	2277.6
	% Fixture	86.5	0.0	86.5
Total	Lumens	2633.7	0.0	2633.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	1.3
10°-20°	65.5	2.5
20°-30°	98.8	3.8
30°-40°	227.7	8.6
40°-50°	499.5	19.0
50°-60°	733.3	27.8
60°-70°	636.9	24.2
70°-80°	315.8	12.0
80°-90°	22.4	0.9
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°	2633.7	100.0
0°-180°	2633.7	100.0

Coefficient of Utilization



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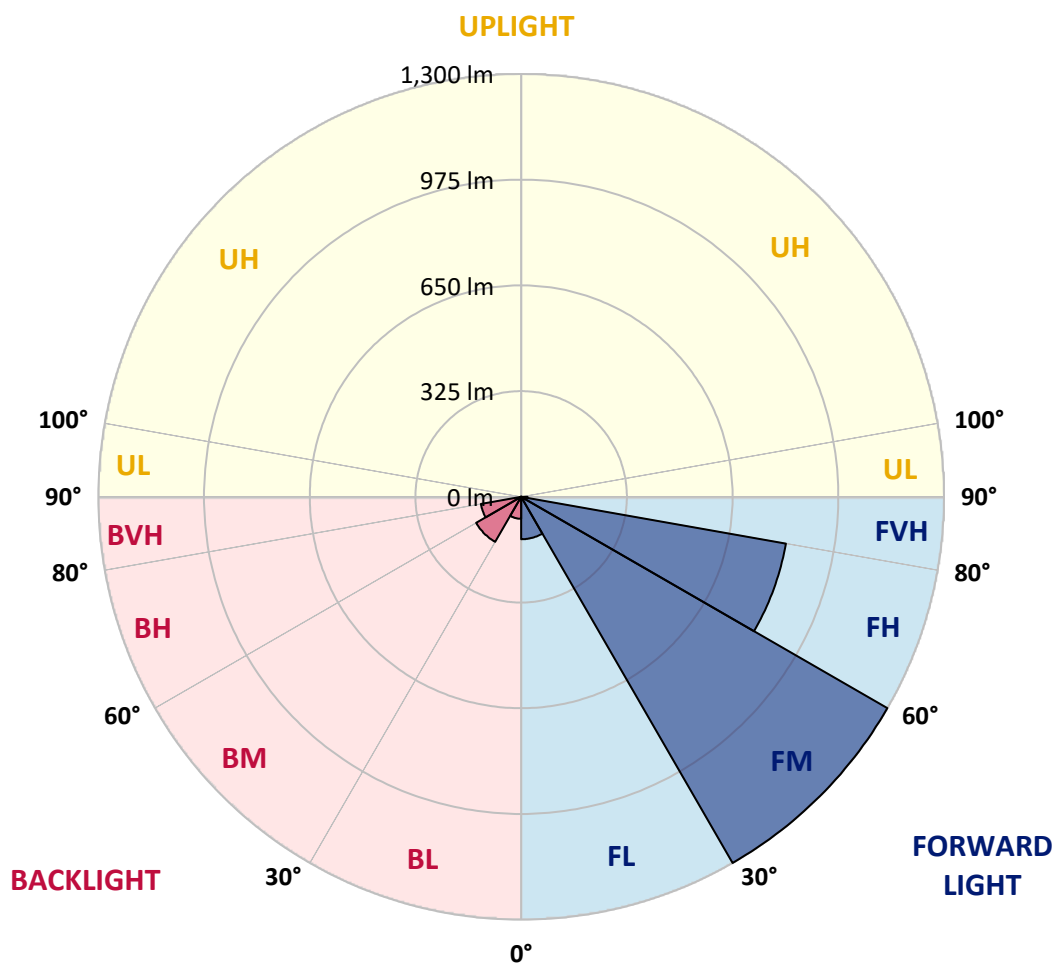
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	130.5	5.0			
FM	(30°-60°)	1300.5	49.4			
FH	(60°-80°)	826.9	31.4			G1/1800
FVH	(80°-90°)	19.7	0.7			G1/100
BL	(0°-30°)	67.6	2.6	B0/110		
BM	(30°-60°)	160.0	6.1	B0/220		
BH	(60°-80°)	125.8	4.8	B1/500		G1/500
BVH	(80°-90°)	2.7	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	10°	15°	20°	25°	30°	35°	40°	45°	50°
0°	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9
2.5°	369.2	399.8	409.1	418.4	426.3	434.3	435.6	437.0	439.6	440.9	442.3
5°	361.2	362.6	362.6	361.2	362.6	363.9	363.9	363.9	363.9	363.9	365.2
7.5°	289.5	324.1	334.7	344.0	349.3	353.3	355.9	357.3	358.6	359.9	361.2
10°	349.3	348.0	349.3	349.3	350.6	350.6	320.1	289.5	300.2	309.5	293.5
12.5°	277.6	305.5	317.4	329.4	337.3	344.0	330.7	316.1	288.2	259.0	260.3
15°	334.7	334.7	334.7	334.7	309.5	282.9	265.6	247.0	261.6	274.9	248.4
17.5°	269.6	269.6	293.5	317.4	317.4	316.1	298.8	280.2	243.0	205.9	239.1
20°	333.4	333.4	334.7	336.0	292.2	248.4	263.0	276.2	281.6	286.9	274.9
22.5°	272.3	272.3	276.2	278.9	294.8	310.8	268.3	225.8	260.3	294.8	270.9
25°	352.0	353.3	355.9	357.3	317.4	276.2	294.8	313.4	276.2	239.1	276.2
27.5°	318.7	313.4	313.4	312.1	325.4	337.3	310.8	284.2	308.1	332.0	304.1
30°	447.6	443.6	438.3	433.0	382.5	332.0	333.4	333.4	324.1	314.8	330.7
32.5°	620.2	613.6	568.4	523.3	486.1	448.9	410.4	371.9	385.2	397.1	389.1
35°	832.7	832.7	790.2	747.7	664.1	580.4	515.3	448.9	443.6	438.3	446.2
37.5°	1085.1	1058.5	1008.0	957.6	854.0	749.1	649.5	549.8	537.9	524.6	511.3
40°	1272.3	1268.4	1229.8	1191.3	1063.8	936.3	819.5	701.2	662.7	622.9	593.7
42.5°	1467.6	1453.0	1422.4	1390.5	1261.7	1131.6	1006.7	880.5	827.4	774.3	722.5
45°	1608.4	1604.4	1577.8	1551.2	1446.3	1340.1	1209.9	1078.4	1043.9	1009.4	912.4
47.5°	1696.0	1673.4	1662.8	1650.9	1560.5	1470.2	1360.0	1248.4	1243.1	1236.5	1114.3
50°	1669.5	1649.5	1652.2	1654.8	1611.0	1567.2	1483.5	1398.5	1413.1	1427.7	1326.8
52.5°	1528.7	1511.4	1535.3	1557.9	1556.6	1555.2	1524.7	1492.8	1545.9	1597.7	1528.7
55°	1247.1	1259.1	1306.9	1354.7	1386.6	1417.1	1460.9	1503.4	1604.4	1704.0	1690.7
57.5°	977.5	1004.1	1053.2	1101.0	1152.8	1203.3	1296.2	1389.2	1559.2	1727.9	1786.3
60°	656.1	673.4	759.7	844.7	892.5	940.3	1041.2	1140.9	1372.0	1601.7	1754.5
62.5°	407.7	417.0	466.2	515.3	612.3	709.2	759.7	808.8	1058.5	1306.9	1589.8
65°	251.0	248.4	268.3	286.9	382.5	476.8	510.0	541.9	707.9	872.6	1312.2
67.5°	150.1	148.7	159.4	170.0	213.8	257.7	309.5	361.2	419.7	476.8	972.2
70°	122.2	124.8	128.8	132.8	144.8	156.7	204.5	252.3	251.0	249.7	584.4
72.5°	102.3	104.9	112.9	119.5	128.8	136.8	164.7	191.2	179.3	167.3	278.9
75°	75.7	77.0	87.7	97.0	111.6	124.8	131.5	136.8	131.5	126.2	140.8
77.5°	50.5	50.5	59.8	69.1	83.7	98.3	106.2	114.2	104.9	95.6	99.6
80°	31.9	31.9	37.2	41.2	55.8	70.4	79.7	89.0	81.0	71.7	70.4
82.5°	18.6	19.9	22.6	25.2	34.5	43.8	50.5	57.1	66.4	74.4	59.8
85°	8.0	9.3	12.0	13.3	18.6	22.6	26.6	30.5	38.5	46.5	38.5
87.5°	1.3	1.3	2.7	4.0	5.3	6.6	6.6	6.6	6.6	5.3	6.6
90°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	2.7

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CANDELA DISTRIBUTION (continued):

	55°	60°	65°	70°	75°	80°	85°	90°	95°	100°	105°
0°	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9
2.5°	442.3	440.9	439.6	439.6	439.6	438.3	437.0	437.0	437.0	435.6	434.3
5°	365.2	398.4	431.6	433.0	435.6	434.3	433.0	431.6	430.3	429.0	426.3
7.5°	361.2	358.6	355.9	346.6	378.5	378.5	377.2	377.2	374.5	363.9	353.3
10°	276.2	274.9	272.3	276.2	282.9	305.5	326.7	325.4	321.4	296.2	270.9
12.5°	261.6	265.6	269.6	256.3	231.1	252.3	273.6	270.9	268.3	245.7	221.8
15°	221.8	224.5	227.1	248.4	286.9	306.8	325.4	322.7	320.1	293.5	265.6
17.5°	272.3	261.6	251.0	265.6	252.3	261.6	270.9	260.3	252.3	241.7	231.1
20°	261.6	233.7	205.9	248.4	297.5	313.4	329.4	325.4	317.4	292.2	265.6
22.5°	245.7	273.6	300.2	286.9	263.0	248.4	233.7	227.1	221.8	223.1	224.5
25°	312.1	276.2	239.1	302.8	341.3	346.6	350.6	338.7	325.4	297.5	268.3
27.5°	274.9	301.5	326.7	352.0	365.2	369.2	371.9	389.1	361.2	324.1	286.9
30°	346.6	369.2	391.8	447.6	492.7	500.7	508.7	488.7	466.2	421.0	375.9
32.5°	381.2	433.0	483.4	510.0	528.6	535.2	541.9	515.3	490.1	431.6	371.9
35°	452.9	491.4	529.9	560.5	596.3	597.7	599.0	569.8	537.9	452.9	367.9
37.5°	496.7	547.2	596.3	630.9	686.6	682.7	678.7	644.1	605.6	486.1	366.6
40°	563.1	628.2	692.0	725.2	792.9	780.9	769.0	729.1	686.6	522.0	357.3
42.5°	670.7	739.8	808.8	836.7	911.1	897.8	883.2	830.1	775.6	551.2	326.7
45°	814.1	876.6	939.0	988.1	1046.6	1025.3	1004.1	947.0	867.3	576.4	285.5
47.5°	990.8	1037.3	1083.7	1180.7	1223.2	1180.7	1136.9	1067.8	966.9	597.7	228.4
50°	1225.9	1236.5	1245.8	1366.6	1409.1	1344.1	1279.0	1190.0	1069.1	621.6	172.7
52.5°	1458.3	1438.4	1417.1	1547.3	1563.2	1476.9	1389.2	1296.2	1144.8	634.8	123.5
55°	1677.4	1649.5	1620.3	1713.3	1702.7	1588.4	1474.2	1361.3	1191.3	638.8	86.3
57.5°	1844.8	1827.5	1808.9	1851.4	1811.6	1677.4	1543.3	1430.4	1225.9	645.5	63.7
60°	1905.9	1944.4	1982.9	1977.6	1904.5	1762.4	1620.3	1500.8	1247.1	648.1	47.8
62.5°	1872.7	1997.5	2121.0	2070.5	1981.6	1831.5	1680.1	1564.5	1256.4	646.8	37.2
65°	1751.8	1992.2	2231.2	2147.6	2036.0	1885.9	1735.9	1632.3	1267.0	648.1	29.2
67.5°	1466.2	1864.7	2261.8	2208.7	2081.2	1921.8	1761.1	1677.4	1261.7	642.8	23.9
70°	917.7	1518.0	2118.4	2159.5	2081.2	1905.9	1730.5	1664.1	1213.9	616.2	18.6
72.5°	389.1	1071.8	1754.5	1933.7	1988.2	1818.2	1648.2	1565.9	1111.6	563.1	14.6
75°	154.1	616.2	1078.4	1362.7	1530.0	1458.3	1385.2	1275.0	729.1	370.5	10.6
77.5°	103.6	281.6	459.5	669.4	798.2	826.1	854.0	727.8	290.9	150.1	8.0
80°	69.1	112.9	156.7	240.4	286.9	270.9	253.7	208.5	89.0	47.8	6.6
82.5°	43.8	58.4	73.0	82.3	85.0	61.1	37.2	30.5	10.6	8.0	4.0
85°	29.2	34.5	39.8	41.2	41.2	29.2	15.9	8.0	4.0	4.0	2.7
87.5°	8.0	9.3	9.3	9.3	6.6	5.3	4.0	2.7	2.7	2.7	2.7
90°	4.0	5.3	5.3	5.3	4.0	4.0	2.7	2.7	2.7	2.7	2.7

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CANDELA DISTRIBUTION (continued):

	110°	115°	120°	125°	130°	135°	140°	145°	150°	155°	160°
0°	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9
2.5°	434.3	434.3	433.0	431.6	431.6	430.3	417.0	402.4	389.1	374.5	373.2
5°	409.1	390.5	373.2	355.9	353.3	349.3	349.3	348.0	348.0	346.6	346.6
7.5°	350.6	348.0	345.3	342.7	341.3	338.7	337.3	334.7	333.4	330.7	316.1
10°	265.6	259.0	259.0	257.7	260.3	263.0	261.6	259.0	276.2	293.5	292.2
12.5°	236.4	249.7	237.7	224.5	228.4	231.1	235.1	239.1	237.7	235.1	215.2
15°	237.7	208.5	199.2	188.6	193.9	197.9	163.4	127.5	120.9	114.2	106.2
17.5°	221.8	212.5	205.9	197.9	151.4	103.6	93.0	82.3	73.0	62.4	61.1
20°	224.5	182.0	170.0	156.7	120.9	85.0	65.1	45.2	39.8	34.5	39.8
22.5°	219.1	212.5	155.4	98.3	73.0	47.8	39.8	30.5	33.2	35.9	35.9
25°	205.9	143.4	111.6	79.7	55.8	30.5	31.9	31.9	29.2	25.2	27.9
27.5°	223.1	158.0	100.9	42.5	37.2	30.5	27.9	23.9	23.9	23.9	22.6
30°	257.7	138.1	86.3	34.5	29.2	23.9	22.6	21.2	19.9	17.3	18.6
32.5°	244.4	116.9	73.0	29.2	25.2	21.2	18.6	15.9	15.9	15.9	15.9
35°	221.8	74.4	50.5	25.2	21.2	17.3	15.9	13.3	13.3	13.3	13.3
37.5°	207.2	47.8	34.5	19.9	17.3	14.6	13.3	10.6	10.6	10.6	12.0
40°	195.2	33.2	25.2	17.3	14.6	10.6	9.3	8.0	9.3	9.3	9.3
42.5°	178.0	27.9	21.2	14.6	12.0	9.3	8.0	6.6	8.0	8.0	8.0
45°	155.4	25.2	18.6	12.0	10.6	8.0	6.6	5.3	6.6	6.6	6.6
47.5°	124.8	21.2	15.9	10.6	9.3	6.6	6.6	5.3	5.3	5.3	5.3
50°	97.0	19.9	14.6	9.3	8.0	5.3	5.3	4.0	5.3	5.3	5.3
52.5°	70.4	17.3	13.3	8.0	6.6	4.0	4.0	4.0	4.0	4.0	4.0
55°	50.5	14.6	10.6	6.6	5.3	4.0	4.0	2.7	4.0	4.0	4.0
57.5°	38.5	13.3	9.3	5.3	4.0	2.7	2.7	2.7	2.7	2.7	2.7
60°	30.5	12.0	9.3	5.3	4.0	2.7	2.7	1.3	2.7	2.7	2.7
62.5°	23.9	9.3	8.0	5.3	4.0	2.7	2.7	1.3	2.7	2.7	2.7
65°	18.6	8.0	6.6	4.0	2.7	1.3	1.3	1.3	2.7	2.7	2.7
67.5°	15.9	6.6	5.3	4.0	2.7	1.3	2.7	2.7	2.7	2.7	2.7
70°	13.3	6.6	5.3	4.0	2.7	1.3	2.7	2.7	4.0	4.0	2.7
72.5°	10.6	5.3	4.0	2.7	2.7	1.3	2.7	2.7	4.0	4.0	2.7
75°	8.0	4.0	4.0	2.7	2.7	1.3	2.7	4.0	4.0	4.0	2.7
77.5°	6.6	4.0	4.0	2.7	2.7	1.3	2.7	4.0	4.0	4.0	4.0
80°	5.3	2.7	2.7	2.7	1.3	0.0	2.7	5.3	5.3	4.0	4.0
82.5°	4.0	2.7	2.7	2.7	1.3	0.0	2.7	5.3	5.3	4.0	4.0
85°	2.7	2.7	2.7	2.7	2.7	1.3	4.0	5.3	5.3	4.0	4.0
87.5°	2.7	2.7	2.7	2.7	2.7	1.3	2.7	4.0	4.0	4.0	4.0
90°	2.7	2.7	4.0	4.0	2.7	1.3	2.7	4.0	4.0	4.0	4.0

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CANDELA DISTRIBUTION (continued):

	165°	170°	175°	180°
0°	440.9	440.9	440.9	440.9
2.5°	370.5	373.2	374.5	371.9
5°	345.3	345.3	344.0	348.0
7.5°	300.2	292.2	282.9	276.2
10°	289.5	282.9	276.2	277.6
12.5°	193.9	174.0	154.1	160.7
15°	98.3	93.0	87.7	87.7
17.5°	58.4	53.1	46.5	47.8
20°	43.8	43.8	43.8	43.8
22.5°	34.5	33.2	30.5	29.2
25°	29.2	29.2	29.2	29.2
27.5°	21.2	21.2	19.9	18.6
30°	18.6	18.6	18.6	17.3
32.5°	14.6	15.9	15.9	15.9
35°	13.3	13.3	13.3	13.3
37.5°	12.0	12.0	10.6	10.6
40°	9.3	9.3	9.3	9.3
42.5°	8.0	8.0	8.0	8.0
45°	6.6	6.6	6.6	6.6
47.5°	5.3	5.3	5.3	5.3
50°	5.3	5.3	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	1.3	1.3
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°	1.3	1.3	0.0	0.0
70°	1.3	1.3	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°	2.7	1.3	0.0	0.0
80°	2.7	2.7	1.3	0.0
82.5°	2.7	2.7	1.3	0.0
85°	2.7	2.7	1.3	0.0
87.5°	2.7	2.7	1.3	0.0
90°	2.7	2.7	1.3	0.0

(END OF REPORT)