

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: P561147

Luminaire Tested: **SDL-PA1-80-827-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561147
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-13)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-80-827-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 2700K, 1050mA LIGHT ENGINE WITH 24 LEDS AND TYPE III SPILL
LIGHT ELIMINATOR OPTICS, HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5386.5 lumens
Efficiency: N/A
Efficacy: 65.7 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 - U3 - G2

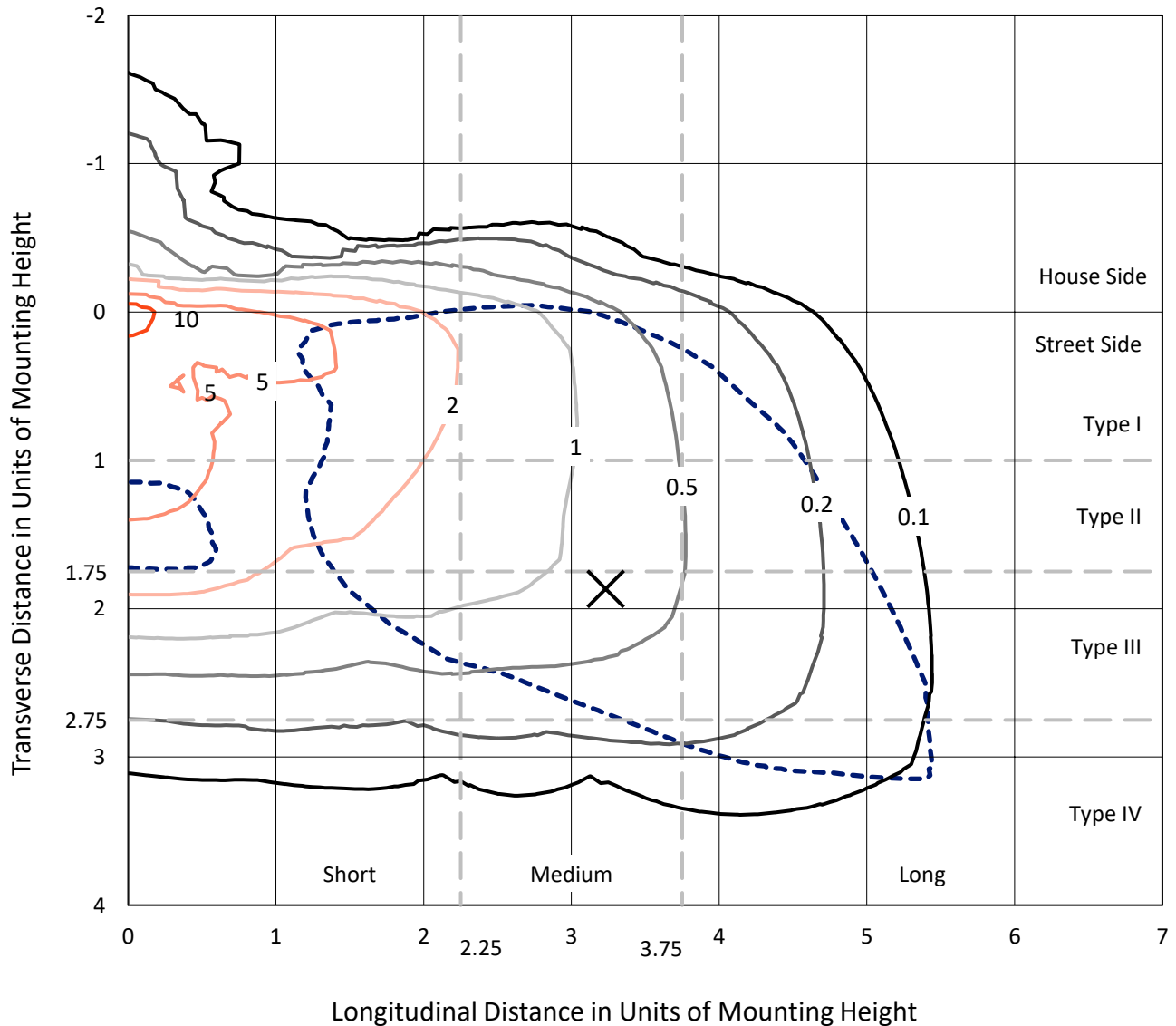
Input Watts (W): 82
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

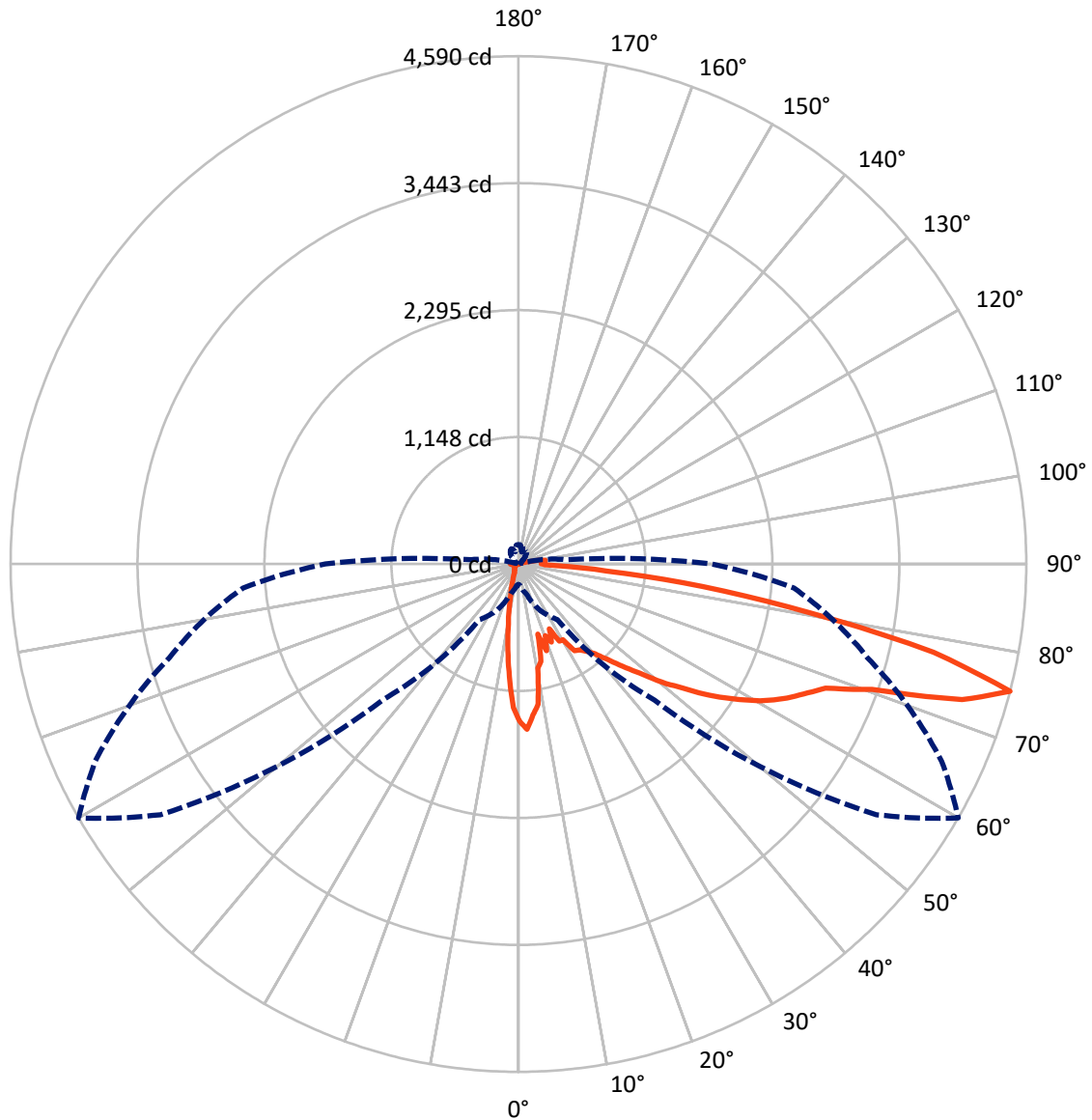
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 60-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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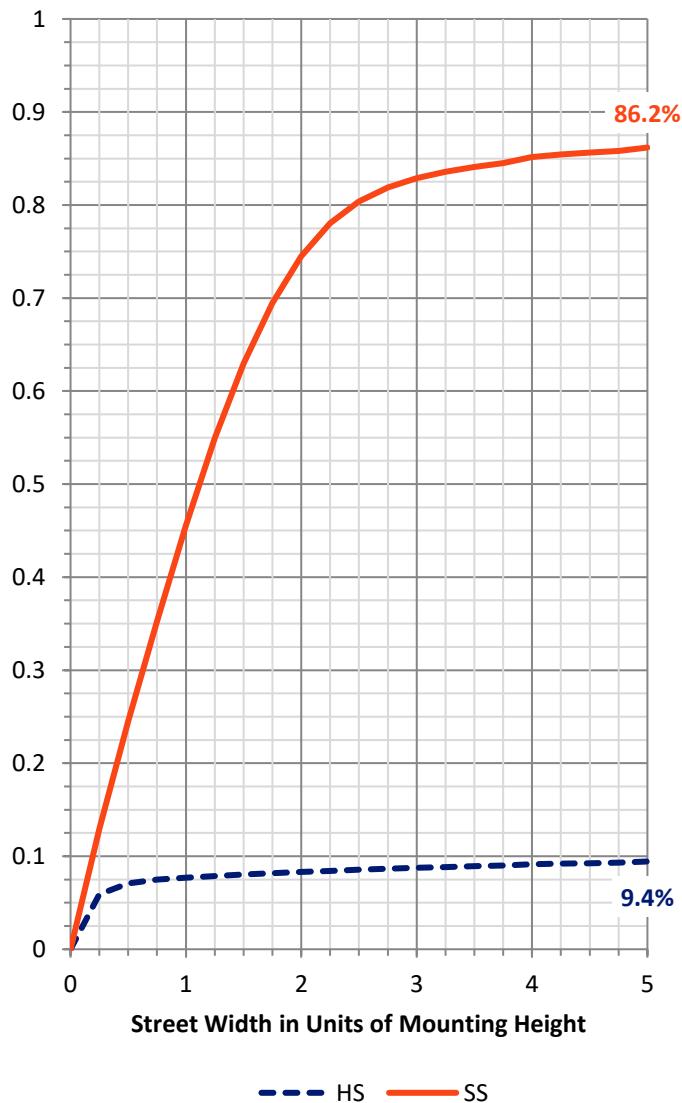
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.7	72.6	629.3
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4681.4	75.9	4757.3
	% Fixture	86.9	1.4	88.3
Total	Lumens	5238.0	148.5	5386.5
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.8	1.8
10°-20°	162.1	3.0
20°-30°	229.1	4.3
30°-40°	411.8	7.6
40°-50°	693.9	12.9
50°-60°	1079.2	20.0
60°-70°	1273.6	23.6
70°-80°	1033.1	19.2
80°-90°	256.5	4.8
90°-100°	103.5	1.9
100°-110°	24.0	0.4
110°-120°	7.5	0.1
120°-130°	6.7	0.1
130°-140°	3.6	0.1
140°-150°	1.7	0.0
150°-160°	1.4	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	5238.0	97.2
0°-180°	5386.5	100.0

Coefficient of Utilization



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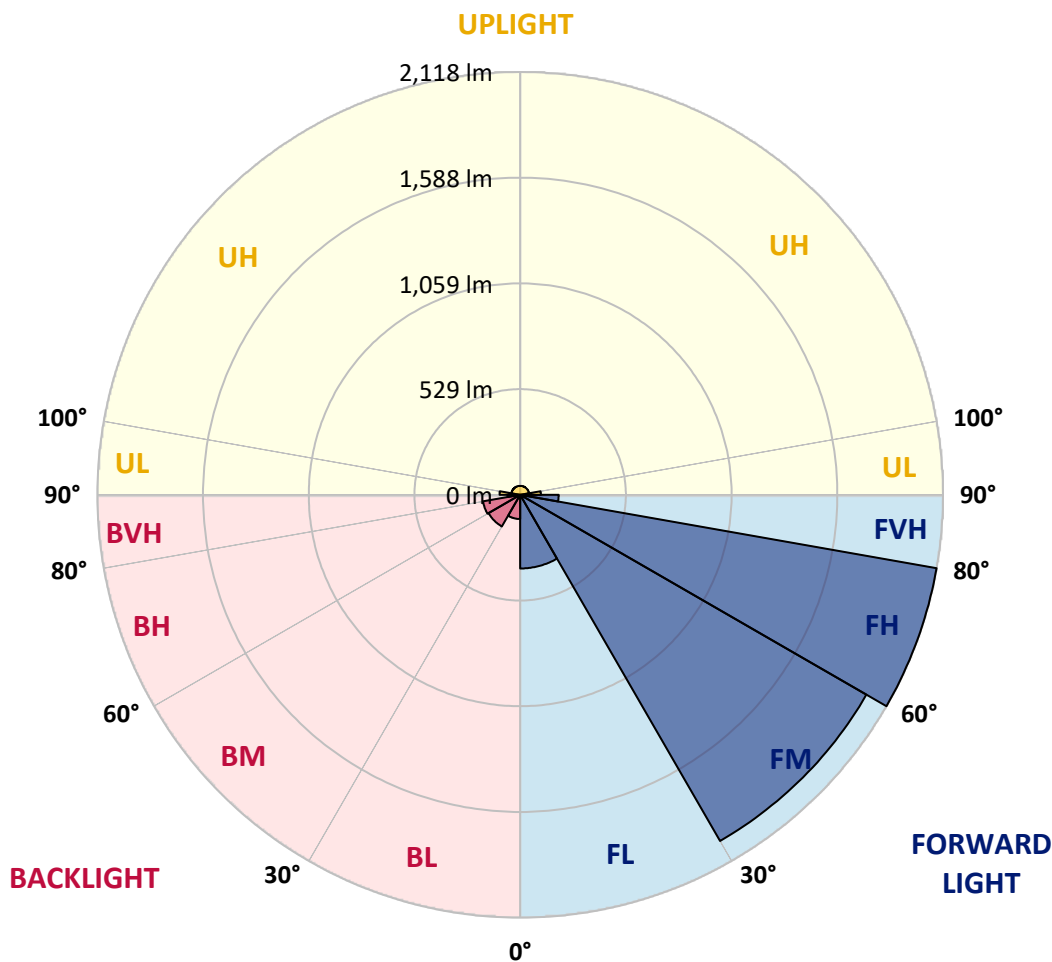
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.0	6.8			
FM	(30°-60°)	2001.9	37.2			
FH	(60°-80°)	2117.6	39.3			G2/5000
FVH	(80°-90°)	192.8	3.6			G2/225
BL	(0°-30°)	121.1	2.2	B1/500		
BM	(30°-60°)	183.0	3.4	B0/220		
BH	(60°-80°)	189.0	3.5	B1/500		G1/500
BVH	(80°-90°)	63.7	1.2			G1/100
UL	(90°-100°)	103.5	1.9		U3/500	
UH	(100°-180°)	45.0	0.8		U2/50	

BUG Rating: B1-U3-G2

Type IV Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1339.2	1441.3	1411.4	1506.0	1518.5	1513.5	1508.5	1496.1	1483.6	1461.2	1426.4
5°	1284.5	1294.4	1287.0	1304.4	1306.9	1314.3	1301.9	1371.6	1488.6	1458.7	1404.0
7.5°	1055.5	1160.0	1172.5	1204.8	1234.7	1264.6	1282.0	1279.5	1130.1	1269.5	1207.3
10°	1077.9	1092.8	1090.3	1112.7	1087.8	1045.5	953.4	955.9	955.9	985.8	1018.1
12.5°	853.8	898.6	1008.2	1043.0	968.3	881.2	888.7	906.1	918.5	779.1	858.8
15°	968.3	970.8	973.3	973.3	729.4	833.9	726.9	657.2	751.8	921.0	936.0
17.5°	759.2	751.8	876.2	866.3	804.0	619.8	806.5	824.0	791.6	774.2	779.1
20°	891.2	891.2	883.7	704.5	741.8	799.1	692.0	689.5	729.4	906.1	916.1
22.5°	721.9	714.4	754.3	784.1	704.5	761.7	682.1	766.7	848.8	801.6	654.7
25°	903.6	903.6	873.7	679.6	729.4	654.7	756.7	649.7	721.9	980.8	933.5
27.5°	836.4	814.0	744.3	771.7	654.7	761.7	697.0	789.1	833.9	1015.6	1087.8
30°	1080.4	1072.9	993.2	776.7	744.3	699.5	749.3	794.1	960.9	1316.8	1257.1
32.5°	1441.3	1401.5	1130.1	960.9	781.6	828.9	799.1	933.5	1055.5	1346.7	1274.5
35°	1538.4	1508.5	1379.1	1167.5	876.2	876.2	858.8	953.4	1082.8	1411.4	1311.9
37.5°	1570.7	1568.3	1523.4	1277.0	1005.7	1008.2	908.6	1000.7	1137.6	1498.6	1366.6
40°	1590.7	1595.6	1640.4	1391.5	1142.6	1137.6	1000.7	1067.9	1222.2	1593.1	1466.2
42.5°	1675.3	1702.7	1757.4	1518.5	1272.0	1274.5	1112.7	1174.9	1334.3	1750.0	1603.1
45°	1864.5	1871.9	1904.3	1692.7	1394.0	1411.4	1254.6	1319.3	1471.2	1921.7	1757.4
47.5°	2150.8	2150.8	2096.0	1829.6	1538.4	1563.3	1404.0	1471.2	1633.0	2173.2	1936.7
50°	2404.7	2384.7	2265.3	1991.4	1655.4	1710.1	1600.6	1677.8	1769.9	2364.8	2160.7
52.5°	2564.0	2556.5	2409.6	2101.0	1779.8	1871.9	1762.4	1862.0	1929.2	2564.0	2362.3
55°	2541.6	2541.6	2447.0	2158.2	1894.4	2018.8	1971.5	2096.0	2120.9	2753.2	2509.2
57.5°	2456.9	2469.4	2424.6	2180.6	1916.8	2158.2	2185.6	2302.6	2344.9	2862.7	2601.3
60°	2285.2	2310.1	2357.4	2210.5	2003.9	2315.0	2404.7	2509.2	2588.9	2944.8	2678.5
62.5°	1964.1	1996.4	2163.2	2208.0	2071.1	2476.8	2591.4	2683.5	2758.1	2989.6	2733.2
65°	1488.6	1548.3	1789.8	2048.7	2066.1	2666.0	2743.2	2832.8	2905.0	3034.4	2875.1
67.5°	950.9	953.4	1214.8	1692.7	1926.7	2932.4	2947.3	2992.1	3039.4	3158.9	3076.8
70°	490.4	515.3	639.7	1080.4	1578.2	2987.2	3457.6	3392.9	3320.7	3430.2	3338.1
72.5°	326.1	353.5	420.7	582.5	990.7	2693.4	4012.7	4192.0	3873.3	3631.9	3109.1
75°	184.2	199.1	281.3	460.5	612.4	1740.0	3950.5	4590.3	4221.8	3263.5	2499.3
77.5°	82.1	87.1	127.0	360.9	525.2	848.8	3109.1	3836.0	3689.1	2720.8	1802.2
80°	44.8	44.8	59.7	166.8	445.6	639.7	2063.6	2671.0	2509.2	1640.4	819.0
82.5°	24.9	27.4	34.9	79.7	271.3	585.0	1304.4	1675.3	1324.3	450.6	331.1
85°	10.0	10.0	14.9	42.3	99.6	495.4	714.4	796.6	535.2	229.0	256.4
87.5°	5.0	5.0	5.0	14.9	32.4	127.0	234.0	251.4	196.7	181.7	221.5
90°	7.5	7.5	5.0	5.0	22.4	134.4	196.7	206.6	161.8	181.7	224.0
92.5°	10.0	7.5	5.0	5.0	17.4	134.4	224.0	221.5	161.8	181.7	231.5
95°	12.4	10.0	5.0	5.0	17.4	119.5	268.8	241.5	174.3	184.2	244.0
97.5°	12.4	12.4	5.0	5.0	17.4	92.1	283.8	244.0	151.8	119.5	166.8
100°	14.9	14.9	5.0	5.0	19.9	54.8	196.7	181.7	107.0	39.8	47.3
102.5°	17.4	17.4	5.0	5.0	12.4	27.4	94.6	92.1	59.7	10.0	17.4
105°	17.4	19.9	5.0	5.0	5.0	12.4	34.9	42.3	29.9	10.0	17.4
107.5°	19.9	22.4	5.0	5.0	5.0	7.5	14.9	14.9	10.0	10.0	17.4
110°	19.9	19.9	5.0	5.0	5.0	5.0	5.0	5.0	5.0	10.0	17.4



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	14.9	14.9	2.5	5.0	5.0	5.0	2.5	5.0	5.0	7.5	14.9
115°	7.5	5.0	2.5	5.0	2.5	5.0	2.5	5.0	7.5	7.5	17.4
117.5°	2.5	2.5	2.5	2.5	2.5	5.0	2.5	5.0	5.0	12.4	22.4
120°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.4	27.4
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	17.4	32.4
125°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	12.4	29.9
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	12.4	24.9
130°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0	10.0	22.4
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	10.0	17.4
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	12.4
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0
140°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
142.5°	2.5	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
145°	2.5	2.5	2.5	2.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5
147.5°	2.5	2.5	2.5	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5
150°	10.0	10.0	10.0	7.5	5.0	2.5	7.5	5.0	2.5	2.5	2.5
152.5°	7.5	7.5	12.4	5.0	2.5	2.5	2.5	7.5	7.5	2.5	2.5
155°	7.5	7.5	5.0	2.5	2.5	2.5	2.5	2.5	2.5	7.5	10.0
157.5°	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5	2.5	5.0	2.5
160°	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9	1423.9
2.5°	1413.9	1399.0	1359.2	1321.8	1277.0	1249.6	1155.0	1048.0	1025.6	1020.6	1003.2
5°	1379.1	1346.7	1269.5	1105.2	941.0	866.3	831.4	804.0	766.7	759.2	749.3
7.5°	1170.0	1115.2	995.7	794.1	769.2	699.5	642.2	594.9	492.9	465.5	450.6
10°	973.3	926.0	679.6	577.5	525.2	473.0	410.7	363.4	321.1	301.2	293.7
12.5°	786.6	739.3	507.8	458.0	326.1	268.8	234.0	194.2	161.8	144.4	144.4
15°	871.3	794.1	525.2	326.1	214.1	159.3	117.0	104.6	122.0	124.5	124.5
17.5°	711.9	634.8	413.2	253.9	156.8	87.1	94.6	107.0	117.0	102.1	104.6
20°	819.0	711.9	415.7	191.7	99.6	84.6	87.1	79.7	107.0	109.5	109.5
22.5°	619.8	560.1	313.7	151.8	77.2	79.7	74.7	89.6	99.6	87.1	84.6
25°	801.6	659.7	318.6	97.1	77.2	64.7	77.2	69.7	92.1	94.6	94.6
27.5°	918.5	739.3	278.8	84.6	64.7	69.7	62.2	72.2	69.7	69.7	69.7
30°	1043.0	806.5	271.3	82.1	62.2	57.3	59.7	57.3	67.2	69.7	69.7
32.5°	1043.0	771.7	206.6	82.1	59.7	54.8	47.3	52.3	54.8	59.7	62.2
35°	1050.5	741.8	151.8	74.7	54.8	47.3	42.3	42.3	47.3	49.8	49.8
37.5°	1072.9	721.9	117.0	69.7	49.8	42.3	34.9	37.3	64.7	72.2	72.2
40°	1135.1	721.9	99.6	64.7	44.8	37.3	29.9	47.3	54.8	64.7	64.7
42.5°	1232.2	731.9	94.6	62.2	39.8	32.4	24.9	37.3	67.2	77.2	79.7
45°	1334.3	751.8	89.6	59.7	37.3	27.4	29.9	44.8	52.3	69.7	69.7
47.5°	1476.2	794.1	87.1	57.3	34.9	22.4	27.4	44.8	57.3	74.7	74.7
50°	1630.5	838.9	82.1	54.8	29.9	19.9	42.3	37.3	47.3	77.2	77.2
52.5°	1789.8	891.2	79.7	52.3	27.4	27.4	47.3	44.8	57.3	74.7	77.2
55°	1929.2	933.5	74.7	52.3	24.9	24.9	49.8	44.8	52.3	69.7	72.2
57.5°	1996.4	941.0	72.2	49.8	22.4	24.9	47.3	54.8	47.3	57.3	62.2
60°	2081.1	960.9	64.7	44.8	19.9	32.4	54.8	72.2	64.7	74.7	79.7
62.5°	2160.7	975.8	57.3	39.8	17.4	34.9	72.2	87.1	69.7	87.1	97.1
65°	2307.6	1008.2	47.3	32.4	14.9	39.8	82.1	104.6	77.2	102.1	102.1
67.5°	2511.7	1060.4	37.3	27.4	14.9	44.8	84.6	119.5	92.1	112.0	109.5
70°	2591.4	975.8	32.4	24.9	14.9	52.3	92.1	129.4	97.1	124.5	124.5
72.5°	2260.3	704.5	27.4	24.9	24.9	59.7	114.5	141.9	107.0	156.8	154.3
75°	1745.0	443.1	27.4	24.9	29.9	74.7	129.4	151.8	114.5	174.3	171.8
77.5°	1162.5	209.1	27.4	27.4	34.9	82.1	139.4	161.8	127.0	194.2	191.7
80°	455.5	114.5	29.9	29.9	42.3	87.1	149.4	166.8	131.9	209.1	206.6
82.5°	219.1	79.7	29.9	29.9	57.3	97.1	159.3	174.3	136.9	211.6	209.1
85°	186.7	74.7	27.4	32.4	69.7	122.0	169.3	171.8	139.4	201.6	201.6
87.5°	166.8	72.2	27.4	32.4	94.6	141.9	176.7	169.3	149.4	196.7	196.7
90°	171.8	77.2	29.9	37.3	107.0	144.4	179.2	169.3	144.4	181.7	181.7
92.5°	184.2	82.1	32.4	39.8	107.0	134.4	166.8	151.8	134.4	154.3	151.8
95°	194.2	87.1	34.9	44.8	94.6	104.6	139.4	122.0	112.0	119.5	119.5
97.5°	149.4	67.2	39.8	49.8	72.2	62.2	87.1	79.7	59.7	49.8	49.8
100°	39.8	22.4	42.3	49.8	49.8	42.3	64.7	59.7	39.8	17.4	17.4
102.5°	14.9	14.9	39.8	47.3	39.8	32.4	47.3	44.8	32.4	5.0	5.0
105°	14.9	12.4	24.9	37.3	24.9	17.4	24.9	29.9	19.9	5.0	5.0
107.5°	14.9	12.4	14.9	22.4	10.0	7.5	10.0	10.0	10.0	2.5	5.0
110°	14.9	12.4	7.5	10.0	7.5	7.5	7.5	5.0	5.0	10.0	10.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	14.9	12.4	7.5	10.0	7.5	7.5	5.0	5.0	7.5	14.9	14.9
115°	14.9	12.4	7.5	7.5	5.0	7.5	5.0	2.5	7.5	17.4	19.9
117.5°	19.9	12.4	5.0	5.0	5.0	5.0	5.0	2.5	7.5	22.4	24.9
120°	24.9	14.9	5.0	5.0	5.0	2.5	5.0	2.5	10.0	22.4	24.9
122.5°	27.4	17.4	5.0	5.0	5.0	2.5	2.5	5.0	10.0	22.4	22.4
125°	27.4	17.4	5.0	5.0	2.5	2.5	2.5	2.5	10.0	22.4	24.9
127.5°	22.4	14.9	5.0	5.0	2.5	2.5	2.5	2.5	10.0	19.9	22.4
130°	19.9	14.9	5.0	5.0	2.5	2.5	2.5	2.5	10.0	17.4	19.9
132.5°	14.9	12.4	5.0	2.5	2.5	2.5	2.5	2.5	10.0	14.9	17.4
135°	12.4	7.5	5.0	2.5	2.5	2.5	2.5	2.5	7.5	14.9	14.9
137.5°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	5.0	7.5	7.5
140°	5.0	5.0	2.5	2.5	2.5	2.5	2.5	2.5	2.5	5.0	5.0
142.5°	2.5	5.0	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
145°	2.5	5.0	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
147.5°	2.5	5.0	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	2.5
150°	2.5	5.0	2.5	2.5	2.5	2.5	0.0	2.5	2.5	2.5	5.0
152.5°	2.5	5.0	2.5	2.5	2.5	0.0	0.0	2.5	2.5	2.5	2.5
155°	10.0	7.5	5.0	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	2.5	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)