

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: P561015

Luminaire Tested: **SDL-PA1-80-722-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P561015
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-PA1-80-722-U-SL3-HSS-A
Description: Springdale
(1) 70 CRI, 2200K, 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: 5386.9 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

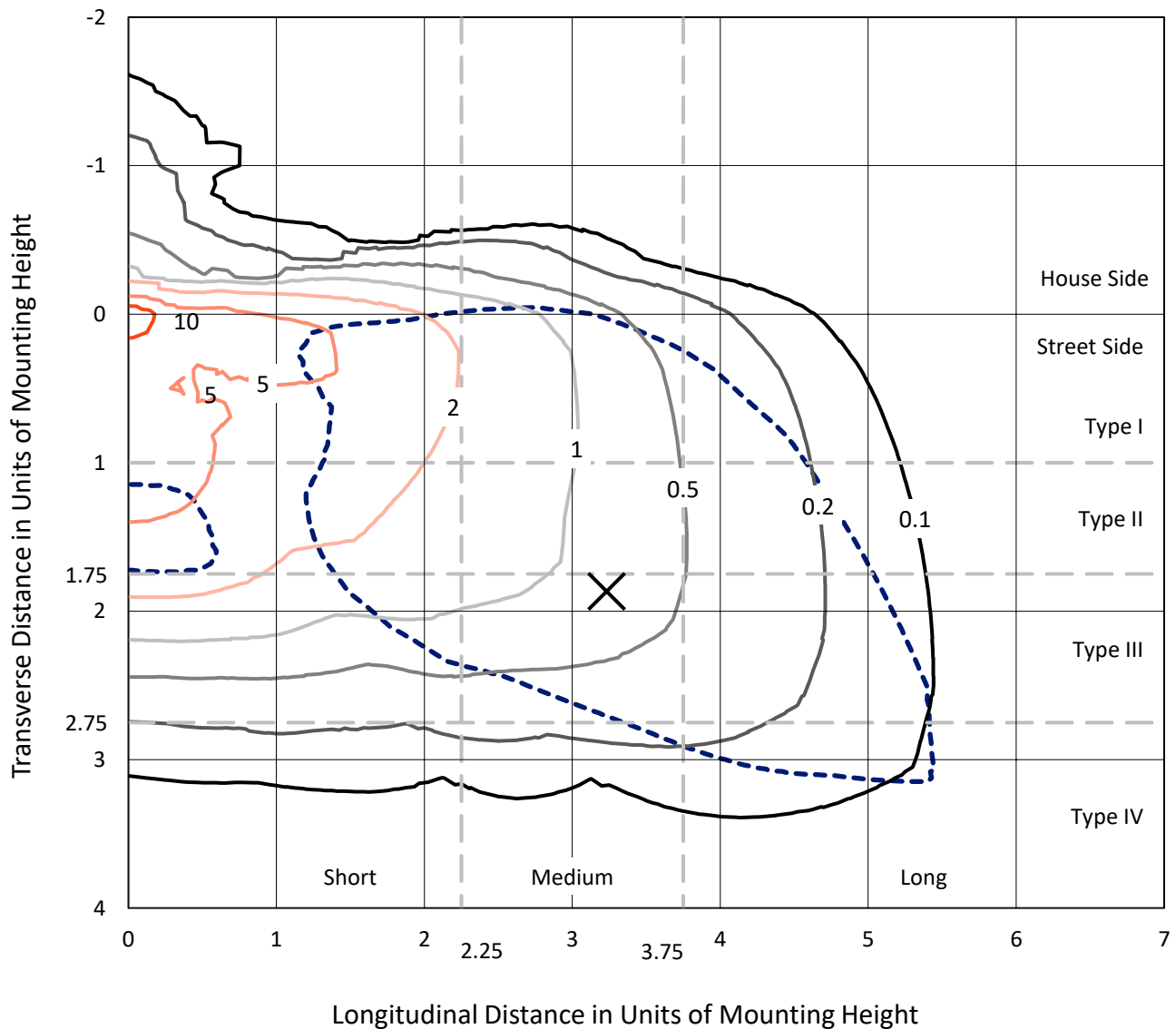


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

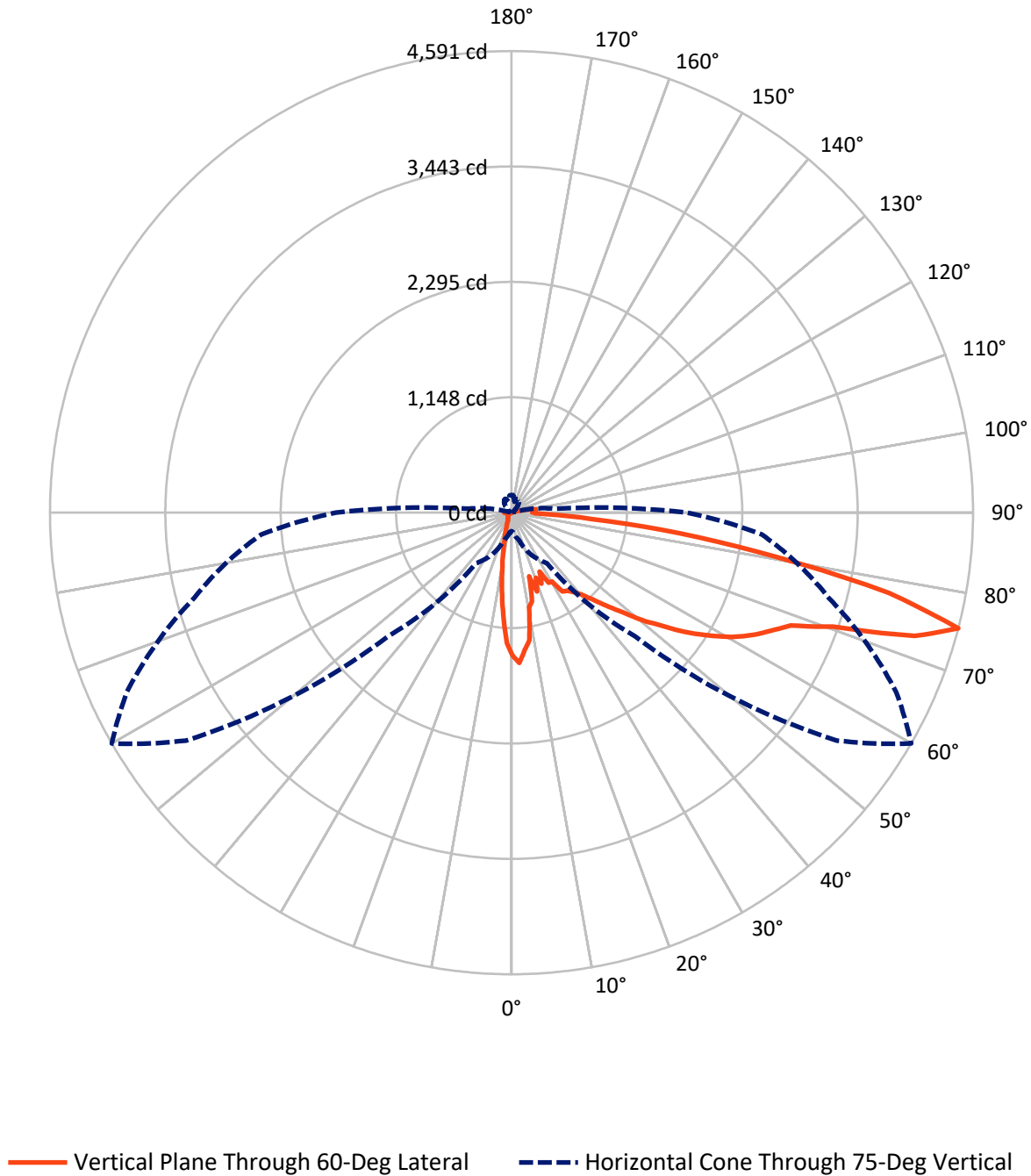


Based on 10 foot mounting height. Maximum calculated value = 14.2 fc
Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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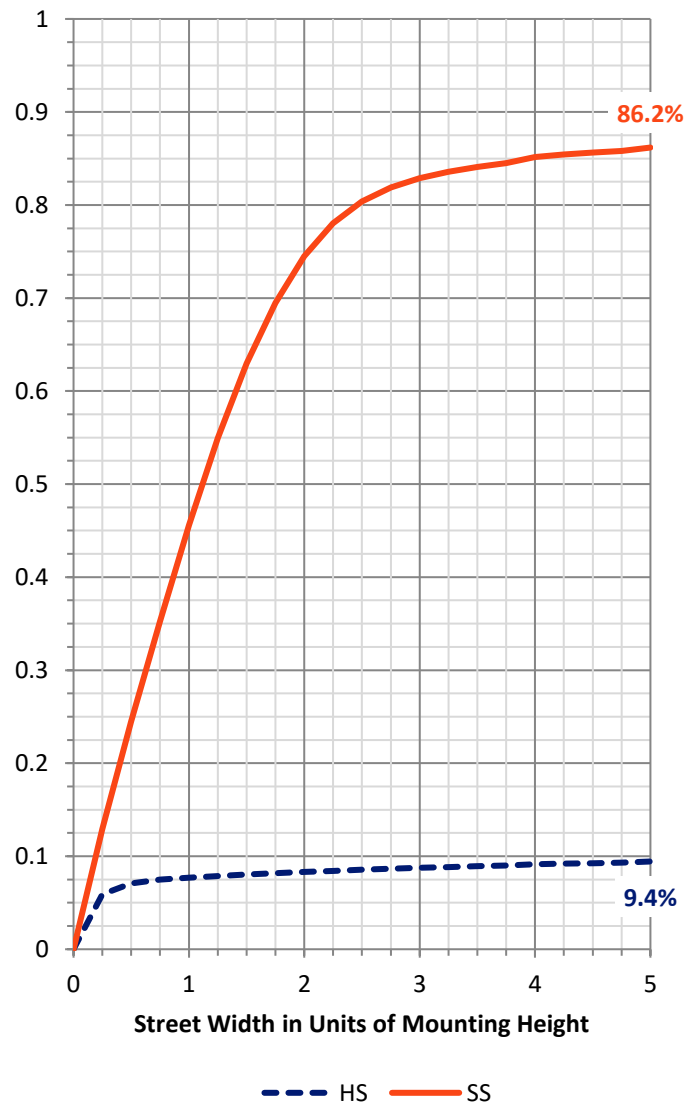
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	556.7	72.6	629.3
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	4681.7	75.9	4757.6
	% Fixture	86.9	1.4	88.3
Total	Lumens	5238.5	148.5	5386.9
	% 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°	1079.3	20.0
60°-70°	1273.7	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°	5238.5	97.2
0°-180°	5386.9	100.0

Coefficient of Utilization



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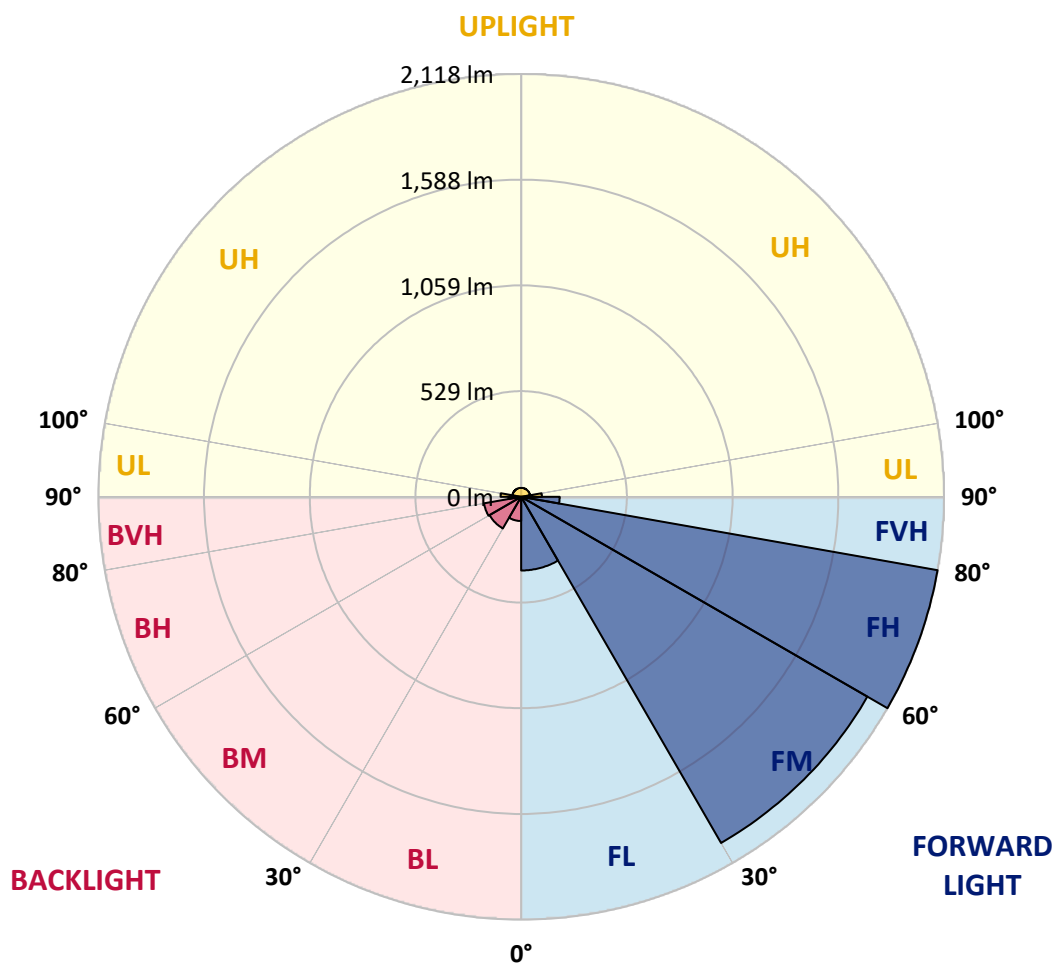
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	369.0	6.8			
FM	(30°-60°)	2002.1	37.2			
FH	(60°-80°)	2117.8	39.3			G2/5000
FVH	(80°-90°)	192.9	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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1339.3	1441.4	1411.5	1506.1	1518.6	1513.6	1508.6	1496.2	1483.7	1461.3	1426.5
5°	1284.6	1294.5	1287.1	1304.5	1307.0	1314.4	1302.0	1371.7	1488.7	1458.8	1404.1
7.5°	1055.5	1160.1	1172.5	1204.9	1234.8	1264.7	1282.1	1279.6	1130.2	1269.6	1207.4
10°	1077.9	1092.9	1090.4	1112.8	1087.9	1045.6	953.5	956.0	956.0	985.8	1018.2
12.5°	853.9	898.7	1008.2	1043.1	968.4	881.3	888.7	906.2	918.6	779.2	858.9
15°	968.4	970.9	973.4	973.4	729.4	834.0	726.9	657.2	751.8	921.1	936.0
17.5°	759.3	751.8	876.3	866.3	804.1	619.9	806.6	824.0	791.7	774.2	779.2
20°	891.2	891.2	883.8	704.5	741.9	799.1	692.1	689.6	729.4	906.2	916.1
22.5°	722.0	714.5	754.3	784.2	704.5	761.8	682.1	766.8	848.9	801.6	654.7
25°	903.7	903.7	873.8	679.6	729.4	654.7	756.8	649.8	722.0	980.9	933.6
27.5°	836.5	814.1	744.4	771.7	654.7	761.8	697.1	789.2	834.0	1015.7	1087.9
30°	1080.4	1073.0	993.3	776.7	744.4	699.5	749.3	794.1	960.9	1316.9	1257.2
32.5°	1441.4	1401.6	1130.2	960.9	781.7	829.0	799.1	933.6	1055.5	1346.8	1274.6
35°	1538.5	1508.6	1379.2	1167.6	876.3	876.3	858.9	953.5	1082.9	1411.5	1312.0
37.5°	1570.9	1568.4	1523.6	1277.1	1005.8	1008.2	908.7	1000.8	1137.7	1498.7	1366.7
40°	1590.8	1595.8	1640.6	1391.6	1142.7	1137.7	1000.8	1068.0	1222.3	1593.3	1466.3
42.5°	1675.4	1702.8	1757.6	1518.6	1272.1	1274.6	1112.8	1175.0	1334.4	1750.1	1603.2
45°	1864.6	1872.1	1904.5	1692.8	1394.1	1411.5	1254.7	1319.4	1471.3	1921.9	1757.6
47.5°	2150.9	2150.9	2096.1	1829.8	1538.5	1563.4	1404.1	1471.3	1633.1	2173.3	1936.8
50°	2404.8	2384.9	2265.4	1991.6	1655.5	1710.3	1600.7	1677.9	1770.0	2365.0	2160.9
52.5°	2564.2	2556.7	2409.8	2101.1	1780.0	1872.1	1762.6	1862.1	1929.4	2564.2	2362.5
55°	2541.8	2541.8	2447.2	2158.4	1894.5	2019.0	1971.7	2096.1	2121.0	2753.4	2509.4
57.5°	2457.1	2469.6	2424.8	2180.8	1916.9	2158.4	2185.8	2302.8	2345.1	2862.9	2601.5
60°	2285.3	2310.2	2357.5	2210.7	2004.0	2315.2	2404.8	2509.4	2589.1	2945.1	2678.7
62.5°	1964.2	1996.6	2163.4	2208.2	2071.3	2477.0	2591.6	2683.7	2758.3	2989.9	2733.5
65°	1488.7	1548.5	1789.9	2048.8	2066.3	2666.2	2743.4	2833.0	2905.2	3034.7	2875.4
67.5°	951.0	953.5	1214.9	1692.8	1926.9	2932.6	2947.5	2992.4	3039.7	3159.2	3077.0
70°	490.4	515.3	639.8	1080.4	1578.3	2987.4	3457.9	3393.2	3321.0	3430.5	3338.4
72.5°	326.1	353.5	420.7	582.5	990.8	2693.6	4013.0	4192.3	3873.6	3632.2	3109.4
75°	184.2	199.2	281.3	460.6	612.4	1740.1	3950.8	4590.6	4222.2	3263.7	2499.4
77.5°	82.2	87.1	127.0	361.0	525.3	848.9	3109.4	3836.3	3689.4	2721.0	1802.4
80°	44.8	44.8	59.7	166.8	445.6	639.8	2063.8	2671.2	2509.4	1640.6	819.0
82.5°	24.9	27.4	34.9	79.7	271.4	585.0	1304.5	1675.4	1324.4	450.6	331.1
85°	10.0	10.0	14.9	42.3	99.6	495.4	714.5	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	221.6
90°	7.5	7.5	5.0	5.0	22.4	134.4	196.7	206.6	161.8	181.7	224.1
92.5°	10.0	7.5	5.0	5.0	17.4	134.4	224.1	221.6	161.8	181.7	231.5
95°	12.4	10.0	5.0	5.0	17.4	119.5	268.9	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	151.9	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°	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0	1424.0
2.5°	1414.0	1399.1	1359.3	1321.9	1277.1	1249.7	1155.1	1048.1	1025.7	1020.7	1003.3
5°	1379.2	1346.8	1269.6	1105.3	941.0	866.3	831.5	804.1	766.8	759.3	749.3
7.5°	1170.1	1115.3	995.8	794.1	769.3	699.5	642.3	595.0	492.9	465.5	450.6
10°	973.4	926.1	679.6	577.6	525.3	473.0	410.8	363.5	321.1	301.2	293.8
12.5°	786.7	739.4	507.9	458.1	326.1	268.9	234.0	194.2	161.8	144.4	144.4
15°	871.3	794.1	525.3	326.1	214.1	159.3	117.0	104.6	122.0	124.5	124.5
17.5°	712.0	634.8	413.3	253.9	156.8	87.1	94.6	107.0	117.0	102.1	104.6
20°	819.0	712.0	415.7	191.7	99.6	84.6	87.1	79.7	107.0	109.5	109.5
22.5°	619.9	560.1	313.7	151.9	77.2	79.7	74.7	89.6	99.6	87.1	84.6
25°	801.6	659.7	318.7	97.1	77.2	64.7	77.2	69.7	92.1	94.6	94.6
27.5°	918.6	739.4	278.8	84.6	64.7	69.7	62.2	72.2	69.7	69.7	69.7
30°	1043.1	806.6	271.4	82.2	62.2	57.3	59.7	57.3	67.2	69.7	69.7
32.5°	1043.1	771.7	206.6	82.2	59.7	54.8	47.3	52.3	54.8	59.7	62.2
35°	1050.6	741.9	151.9	74.7	54.8	47.3	42.3	42.3	47.3	49.8	49.8
37.5°	1073.0	722.0	117.0	69.7	49.8	42.3	34.9	37.3	64.7	72.2	72.2
40°	1135.2	722.0	99.6	64.7	44.8	37.3	29.9	47.3	54.8	64.7	64.7
42.5°	1232.3	731.9	94.6	62.2	39.8	32.4	24.9	37.3	67.2	77.2	79.7
45°	1334.4	751.8	89.6	59.7	37.3	27.4	29.9	44.8	52.3	69.7	69.7
47.5°	1476.3	794.1	87.1	57.3	34.9	22.4	27.4	44.8	57.3	74.7	74.7
50°	1630.6	839.0	82.2	54.8	29.9	19.9	42.3	37.3	47.3	77.2	77.2
52.5°	1789.9	891.2	79.7	52.3	27.4	27.4	47.3	44.8	57.3	74.7	77.2
55°	1929.4	933.6	74.7	52.3	24.9	24.9	49.8	44.8	52.3	69.7	72.2
57.5°	1996.6	941.0	72.2	49.8	22.4	24.9	47.3	54.8	47.3	57.3	62.2
60°	2081.2	960.9	64.7	44.8	19.9	32.4	54.8	72.2	64.7	74.7	79.7
62.5°	2160.9	975.9	57.3	39.8	17.4	34.9	72.2	87.1	69.7	87.1	97.1
65°	2307.8	1008.2	47.3	32.4	14.9	39.8	82.2	104.6	77.2	102.1	102.1
67.5°	2511.9	1060.5	37.3	27.4	14.9	44.8	84.6	119.5	92.1	112.0	109.5
70°	2591.6	975.9	32.4	24.9	14.9	52.3	92.1	129.5	97.1	124.5	124.5
72.5°	2260.5	704.5	27.4	24.9	24.9	59.7	114.5	141.9	107.0	156.8	154.3
75°	1745.1	443.1	27.4	24.9	29.9	74.7	129.5	151.9	114.5	174.3	171.8
77.5°	1162.6	209.1	27.4	27.4	34.9	82.2	139.4	161.8	127.0	194.2	191.7
80°	455.6	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	176.8	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	82.2	32.4	39.8	107.0	134.4	166.8	151.9	134.4	154.3	151.9
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)