

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: P560465

Luminaire Tested: **SDL-PA1-40-830-U-SL3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560465
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-PA1-40-830-U-SL3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 500mA 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: 3094.3 lumens
Efficiency: N/A
Efficacy: 78.5 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 - U3 - G2

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

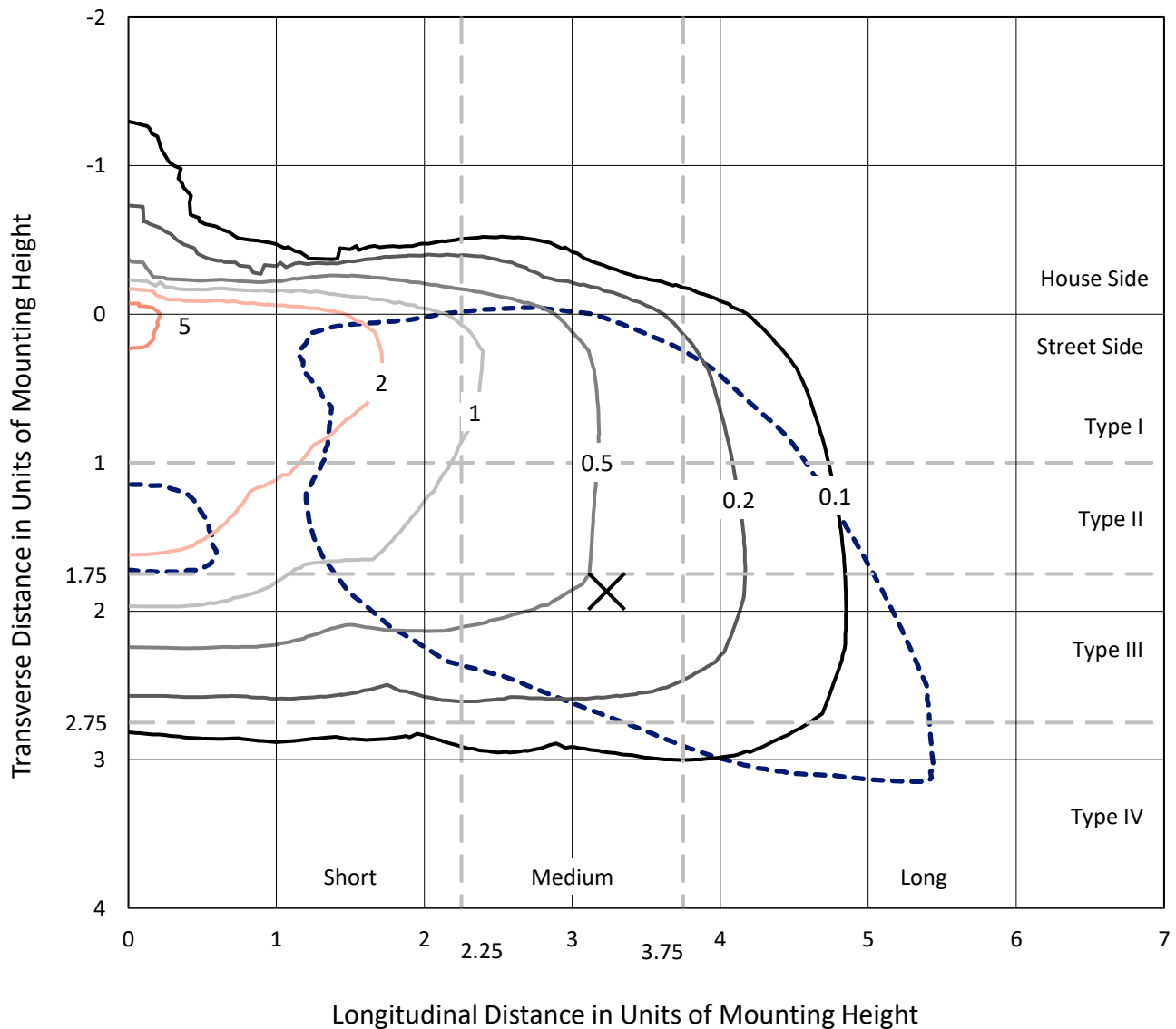


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

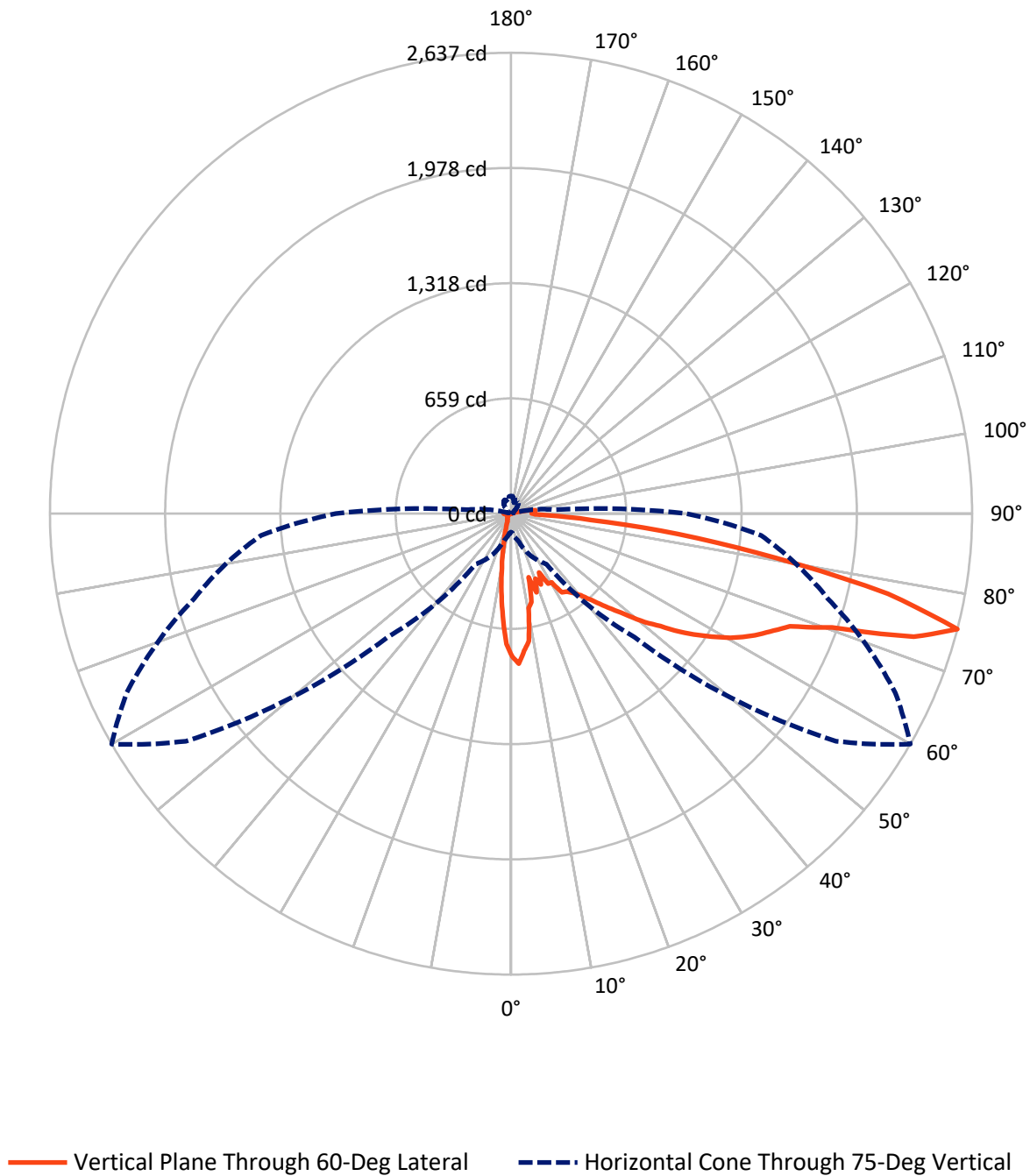


Based on 10 foot mounting height. Maximum calculated value = 8.2 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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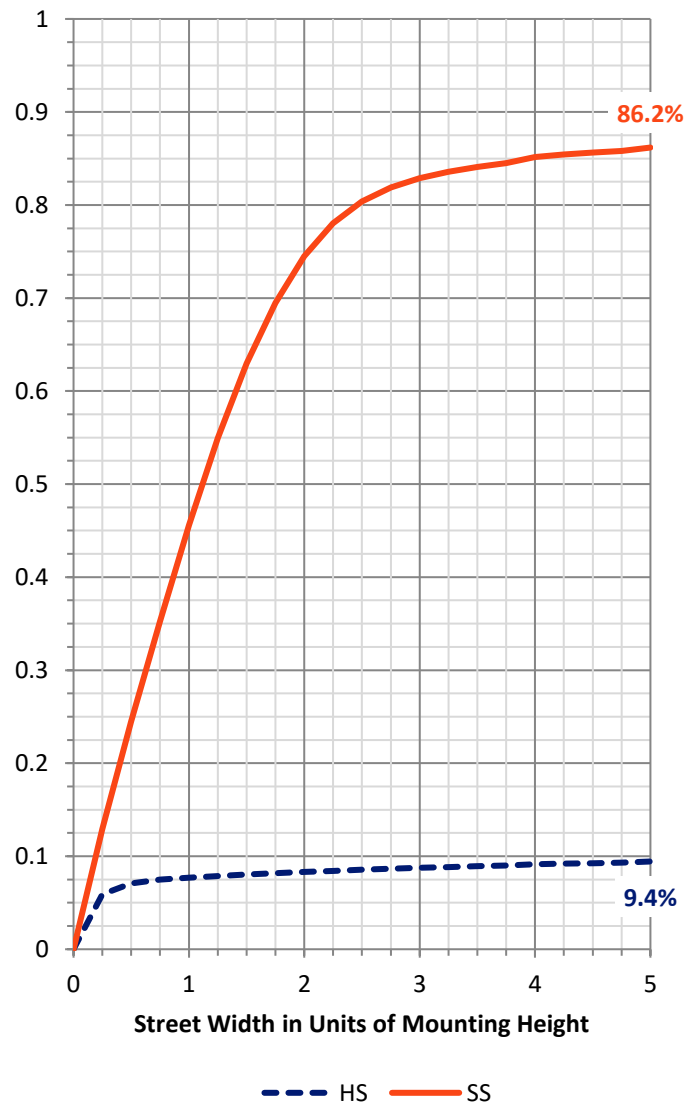
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	319.8	41.7	361.5
	% Fixture	10.3	1.3	11.7
Street Side	Lumens	2689.3	43.6	2732.9
	% Fixture	86.9	1.4	88.3
Total	Lumens	3009.1	85.3	3094.3
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	56.8	1.8
10°-20°	93.1	3.0
20°-30°	131.6	4.3
30°-40°	236.6	7.6
40°-50°	398.6	12.9
50°-60°	620.0	20.0
60°-70°	731.6	23.6
70°-80°	593.5	19.2
80°-90°	147.4	4.8
90°-100°	59.5	1.9
100°-110°	13.8	0.4
110°-120°	4.3	0.1
120°-130°	3.8	0.1
130°-140°	2.0	0.1
140°-150°	1.0	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3009.1	97.2
0°-180°	3094.3	100.0

Coefficient of Utilization



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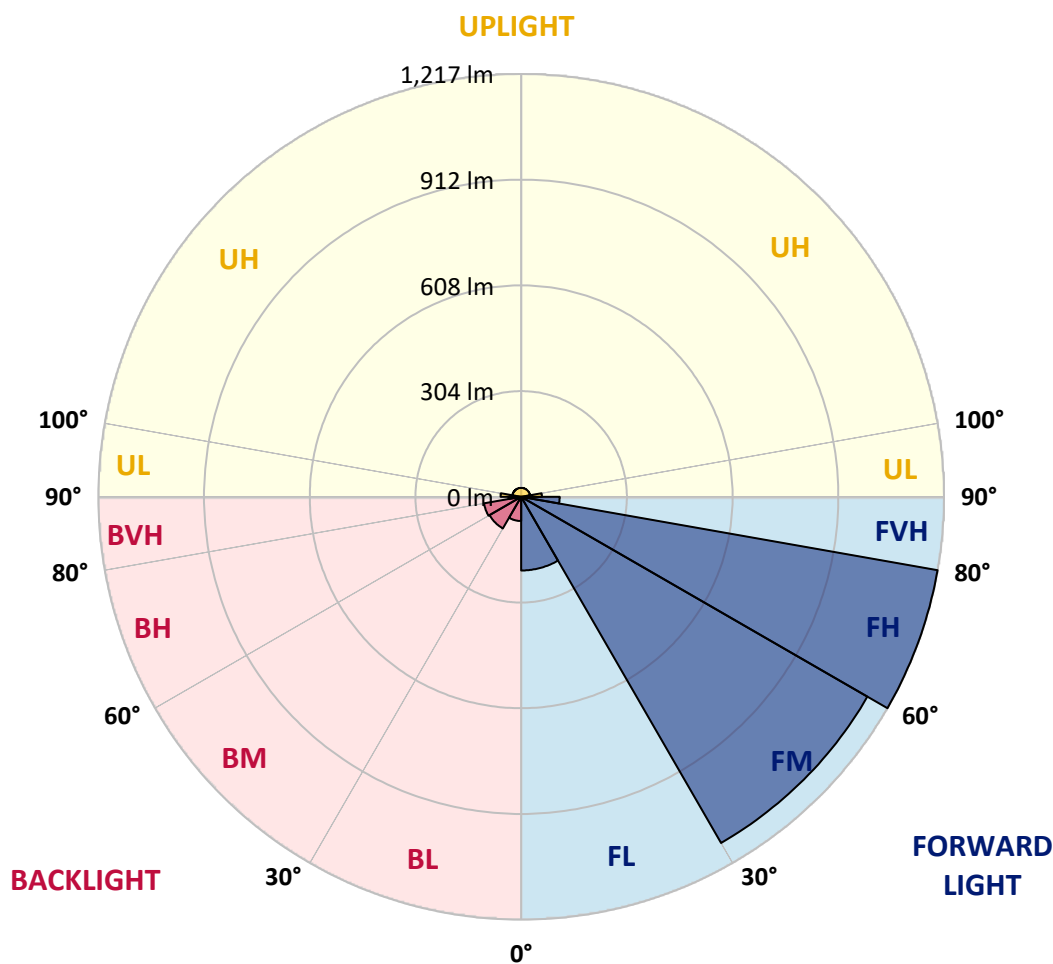
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	212.0	6.8			
FM	(30°-60°)	1150.0	37.2			
FH	(60°-80°)	1216.5	39.3			G1/1800
FVH	(80°-90°)	110.8	3.6			G2/225
BL	(0°-30°)	69.5	2.2	B0/110		
BM	(30°-60°)	105.1	3.4	B0/220		
BH	(60°-80°)	108.6	3.5	B0/110		G0/110
BVH	(80°-90°)	36.6	1.2			G1/100
UL	(90°-100°)	59.5	1.9		U3/500	
UH	(100°-180°)	25.8	0.8		U2/50	

BUG Rating: B0-U3-G2

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
0°	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0
2.5°	769.3	828.0	810.8	865.2	872.3	869.4	866.6	859.4	852.3	839.4	819.4
5°	737.9	743.6	739.3	749.3	750.8	755.0	747.9	787.9	855.1	838.0	806.5
7.5°	606.3	666.4	673.5	692.1	709.3	726.4	736.5	735.0	649.2	729.3	693.6
10°	619.2	627.8	626.3	639.2	624.9	600.6	547.7	549.1	549.1	566.3	584.9
12.5°	490.5	516.2	579.2	599.2	556.3	506.2	510.5	520.5	527.7	447.6	493.4
15°	556.3	557.7	559.1	559.1	419.0	479.1	417.6	377.5	431.9	529.1	537.7
17.5°	436.2	431.9	503.4	497.6	461.9	356.1	463.3	473.3	454.7	444.7	447.6
20°	511.9	511.9	507.7	404.7	426.1	459.0	397.5	396.1	419.0	520.5	526.2
22.5°	414.7	410.4	433.3	450.5	404.7	437.6	391.8	440.4	487.6	460.5	376.1
25°	519.1	519.1	501.9	390.4	419.0	376.1	434.7	373.2	414.7	563.4	536.3
27.5°	480.5	467.6	427.6	443.3	376.1	437.6	400.4	453.3	479.1	583.4	624.9
30°	620.6	616.3	570.6	446.2	427.6	401.8	430.4	456.2	552.0	756.5	722.2
32.5°	828.0	805.1	649.2	552.0	449.0	476.2	459.0	536.3	606.3	773.6	732.2
35°	883.7	866.6	792.2	670.7	503.4	503.4	493.4	547.7	622.1	810.8	753.6
37.5°	902.3	900.9	875.2	733.6	577.7	579.2	522.0	574.9	653.5	860.9	785.1
40°	913.8	916.6	942.4	799.4	656.4	653.5	574.9	613.5	702.1	915.2	842.3
42.5°	962.4	978.1	1009.6	872.3	730.7	732.2	639.2	675.0	766.5	1005.3	920.9
45°	1071.1	1075.4	1094.0	972.4	800.8	810.8	720.7	757.9	845.1	1104.0	1009.6
47.5°	1235.5	1235.5	1204.1	1051.1	883.7	898.0	806.5	845.1	938.1	1248.4	1112.5
50°	1381.4	1369.9	1301.3	1144.0	951.0	982.4	919.5	963.8	1016.7	1358.5	1241.2
52.5°	1472.9	1468.6	1384.2	1206.9	1022.5	1075.4	1012.4	1069.6	1108.3	1472.9	1357.1
55°	1460.0	1460.0	1405.7	1239.8	1088.2	1159.7	1132.6	1204.1	1218.4	1581.6	1441.4
57.5°	1411.4	1418.6	1392.8	1252.7	1101.1	1239.8	1255.5	1322.8	1347.1	1644.5	1494.4
60°	1312.7	1327.0	1354.2	1269.8	1151.2	1329.9	1381.4	1441.4	1487.2	1691.7	1538.7
62.5°	1128.3	1146.9	1242.7	1268.4	1189.8	1422.9	1488.6	1541.5	1584.4	1717.4	1570.1
65°	855.1	889.5	1028.2	1176.9	1186.9	1531.5	1575.9	1627.3	1668.8	1743.2	1651.7
67.5°	546.3	547.7	697.8	972.4	1106.8	1684.5	1693.1	1718.9	1746.0	1814.7	1767.5
70°	281.7	296.0	367.5	620.6	906.6	1716.0	1986.3	1949.1	1907.6	1970.5	1917.6
72.5°	187.3	203.1	241.7	334.6	569.1	1547.3	2305.2	2408.1	2225.1	2086.4	1786.1
75°	105.8	114.4	161.6	264.6	351.8	999.6	2269.4	2636.9	2425.3	1874.7	1435.7
77.5°	47.2	50.1	72.9	207.4	301.7	487.6	1786.1	2203.6	2119.3	1563.0	1035.3
80°	25.7	25.7	34.3	95.8	256.0	367.5	1185.5	1534.4	1441.4	942.4	470.5
82.5°	14.3	15.7	20.0	45.8	155.9	336.1	749.3	962.4	760.8	258.8	190.2
85°	5.7	5.7	8.6	24.3	57.2	284.6	410.4	457.6	307.5	131.6	147.3
87.5°	2.9	2.9	2.9	8.6	18.6	72.9	134.4	144.4	113.0	104.4	127.3
90°	4.3	4.3	2.9	2.9	12.9	77.2	113.0	118.7	93.0	104.4	128.7
92.5°	5.7	4.3	2.9	2.9	10.0	77.2	128.7	127.3	93.0	104.4	133.0
95°	7.2	5.7	2.9	2.9	10.0	68.6	154.4	138.7	100.1	105.8	140.1
97.5°	7.2	7.2	2.9	2.9	10.0	52.9	163.0	140.1	87.2	68.6	95.8
100°	8.6	8.6	2.9	2.9	11.4	31.5	113.0	104.4	61.5	22.9	27.2
102.5°	10.0	10.0	2.9	2.9	7.2	15.7	54.3	52.9	34.3	5.7	10.0
105°	10.0	11.4	2.9	2.9	2.9	7.2	20.0	24.3	17.2	5.7	10.0
107.5°	11.4	12.9	2.9	2.9	2.9	4.3	8.6	8.6	5.7	5.7	10.0
110°	11.4	11.4	2.9	2.9	2.9	2.9	2.9	2.9	2.9	5.7	10.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	60°	65°	75°	85°
112.5°	8.6	8.6	1.4	2.9	2.9	2.9	1.4	2.9	2.9	4.3	8.6
115°	4.3	2.9	1.4	2.9	1.4	2.9	1.4	2.9	4.3	4.3	10.0
117.5°	1.4	1.4	1.4	1.4	1.4	2.9	1.4	2.9	2.9	7.2	12.9
120°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	10.0	15.7
122.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	10.0	18.6
125°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	7.2	17.2
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	7.2	14.3
130°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9	5.7	12.9
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	5.7	10.0
135°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	7.2
137.5°	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9
140°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
142.5°	1.4	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4	1.4
145°	1.4	1.4	1.4	1.4	2.9	1.4	1.4	1.4	1.4	1.4	1.4
147.5°	1.4	1.4	1.4	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4
150°	5.7	5.7	5.7	4.3	2.9	1.4	4.3	2.9	1.4	1.4	1.4
152.5°	4.3	4.3	7.2	2.9	1.4	1.4	1.4	4.3	4.3	1.4	1.4
155°	4.3	4.3	2.9	1.4	1.4	1.4	1.4	1.4	1.4	4.3	5.7
157.5°	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4	1.4	2.9	1.4
160°	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4	1.4	1.4	1.4
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°	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0	818.0
2.5°	812.2	803.7	780.8	759.3	733.6	717.9	663.5	602.0	589.2	586.3	576.3
5°	792.2	773.6	729.3	634.9	540.5	497.6	477.6	461.9	440.4	436.2	430.4
7.5°	672.1	640.6	572.0	456.2	441.9	401.8	368.9	341.8	283.1	267.4	258.8
10°	559.1	532.0	390.4	331.8	301.7	271.7	236.0	208.8	184.5	173.0	168.7
12.5°	451.9	424.7	291.7	263.1	187.3	154.4	134.4	111.5	93.0	82.9	82.9
15°	500.5	456.2	301.7	187.3	123.0	91.5	67.2	60.1	70.1	71.5	71.5
17.5°	409.0	364.7	237.4	145.9	90.1	50.1	54.3	61.5	67.2	58.6	60.1
20°	470.5	409.0	238.8	110.1	57.2	48.6	50.1	45.8	61.5	62.9	62.9
22.5°	356.1	321.8	180.2	87.2	44.3	45.8	42.9	51.5	57.2	50.1	48.6
25°	460.5	379.0	183.0	55.8	44.3	37.2	44.3	40.0	52.9	54.3	54.3
27.5°	527.7	424.7	160.2	48.6	37.2	40.0	35.8	41.5	40.0	40.0	40.0
30°	599.2	463.3	155.9	47.2	35.8	32.9	34.3	32.9	38.6	40.0	40.0
32.5°	599.2	443.3	118.7	47.2	34.3	31.5	27.2	30.0	31.5	34.3	35.8
35°	603.5	426.1	87.2	42.9	31.5	27.2	24.3	24.3	27.2	28.6	28.6
37.5°	616.3	414.7	67.2	40.0	28.6	24.3	20.0	21.5	37.2	41.5	41.5
40°	652.1	414.7	57.2	37.2	25.7	21.5	17.2	27.2	31.5	37.2	37.2
42.5°	707.9	420.4	54.3	35.8	22.9	18.6	14.3	21.5	38.6	44.3	45.8
45°	766.5	431.9	51.5	34.3	21.5	15.7	17.2	25.7	30.0	40.0	40.0
47.5°	848.0	456.2	50.1	32.9	20.0	12.9	15.7	25.7	32.9	42.9	42.9
50°	936.7	481.9	47.2	31.5	17.2	11.4	24.3	21.5	27.2	44.3	44.3
52.5°	1028.2	511.9	45.8	30.0	15.7	15.7	27.2	25.7	32.9	42.9	44.3
55°	1108.3	536.3	42.9	30.0	14.3	14.3	28.6	25.7	30.0	40.0	41.5
57.5°	1146.9	540.5	41.5	28.6	12.9	14.3	27.2	31.5	27.2	32.9	35.8
60°	1195.5	552.0	37.2	25.7	11.4	18.6	31.5	41.5	37.2	42.9	45.8
62.5°	1241.2	560.6	32.9	22.9	10.0	20.0	41.5	50.1	40.0	50.1	55.8
65°	1325.6	579.2	27.2	18.6	8.6	22.9	47.2	60.1	44.3	58.6	58.6
67.5°	1442.9	609.2	21.5	15.7	8.6	25.7	48.6	68.6	52.9	64.4	62.9
70°	1488.6	560.6	18.6	14.3	8.6	30.0	52.9	74.4	55.8	71.5	71.5
72.5°	1298.4	404.7	15.7	14.3	14.3	34.3	65.8	81.5	61.5	90.1	88.7
75°	1002.4	254.5	15.7	14.3	17.2	42.9	74.4	87.2	65.8	100.1	98.7
77.5°	667.8	120.1	15.7	15.7	20.0	47.2	80.1	93.0	72.9	111.5	110.1
80°	261.7	65.8	17.2	17.2	24.3	50.1	85.8	95.8	75.8	120.1	118.7
82.5°	125.8	45.8	17.2	17.2	32.9	55.8	91.5	100.1	78.7	121.6	120.1
85°	107.3	42.9	15.7	18.6	40.0	70.1	97.2	98.7	80.1	115.8	115.8
87.5°	95.8	41.5	15.7	18.6	54.3	81.5	101.5	97.2	85.8	113.0	113.0
90°	98.7	44.3	17.2	21.5	61.5	82.9	103.0	97.2	82.9	104.4	104.4
92.5°	105.8	47.2	18.6	22.9	61.5	77.2	95.8	87.2	77.2	88.7	87.2
95°	111.5	50.1	20.0	25.7	54.3	60.1	80.1	70.1	64.4	68.6	68.6
97.5°	85.8	38.6	22.9	28.6	41.5	35.8	50.1	45.8	34.3	28.6	28.6
100°	22.9	12.9	24.3	28.6	28.6	24.3	37.2	34.3	22.9	10.0	10.0
102.5°	8.6	8.6	22.9	27.2	22.9	18.6	27.2	25.7	18.6	2.9	2.9
105°	8.6	7.2	14.3	21.5	14.3	10.0	14.3	17.2	11.4	2.9	2.9
107.5°	8.6	7.2	8.6	12.9	5.7	4.3	5.7	5.7	5.7	1.4	2.9
110°	8.6	7.2	4.3	5.7	4.3	4.3	4.3	2.9	2.9	5.7	5.7

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.6	7.2	4.3	5.7	4.3	4.3	2.9	2.9	4.3	8.6	8.6
115°	8.6	7.2	4.3	4.3	2.9	4.3	2.9	1.4	4.3	10.0	11.4
117.5°	11.4	7.2	2.9	2.9	2.9	2.9	2.9	1.4	4.3	12.9	14.3
120°	14.3	8.6	2.9	2.9	2.9	1.4	2.9	1.4	5.7	12.9	14.3
122.5°	15.7	10.0	2.9	2.9	2.9	1.4	1.4	2.9	5.7	12.9	12.9
125°	15.7	10.0	2.9	2.9	1.4	1.4	1.4	1.4	5.7	12.9	14.3
127.5°	12.9	8.6	2.9	2.9	1.4	1.4	1.4	1.4	5.7	11.4	12.9
130°	11.4	8.6	2.9	2.9	1.4	1.4	1.4	1.4	5.7	10.0	11.4
132.5°	8.6	7.2	2.9	1.4	1.4	1.4	1.4	1.4	5.7	8.6	10.0
135°	7.2	4.3	2.9	1.4	1.4	1.4	1.4	1.4	4.3	8.6	8.6
137.5°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	2.9	4.3	4.3
140°	2.9	2.9	1.4	1.4	1.4	1.4	1.4	1.4	1.4	2.9	2.9
142.5°	1.4	2.9	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
145°	1.4	2.9	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
147.5°	1.4	2.9	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	1.4
150°	1.4	2.9	1.4	1.4	1.4	1.4	0.0	1.4	1.4	1.4	2.9
152.5°	1.4	2.9	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4
155°	5.7	4.3	2.9	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	1.4	1.4	1.4
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)