

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: P560653

Luminaire Tested: **SDL-PA1-50-830-U-T3-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560653
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-1)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-50-830-U-T3-HSS-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA LIGHT ENGINE WITH 24 LEDS AND TYPE III OPTICS,
HOUSE SIDE SHIELD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3565.9 lumens
Efficiency: N/A
Efficacy: 68.1 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 - G1

Input Watts (W): 52.4
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

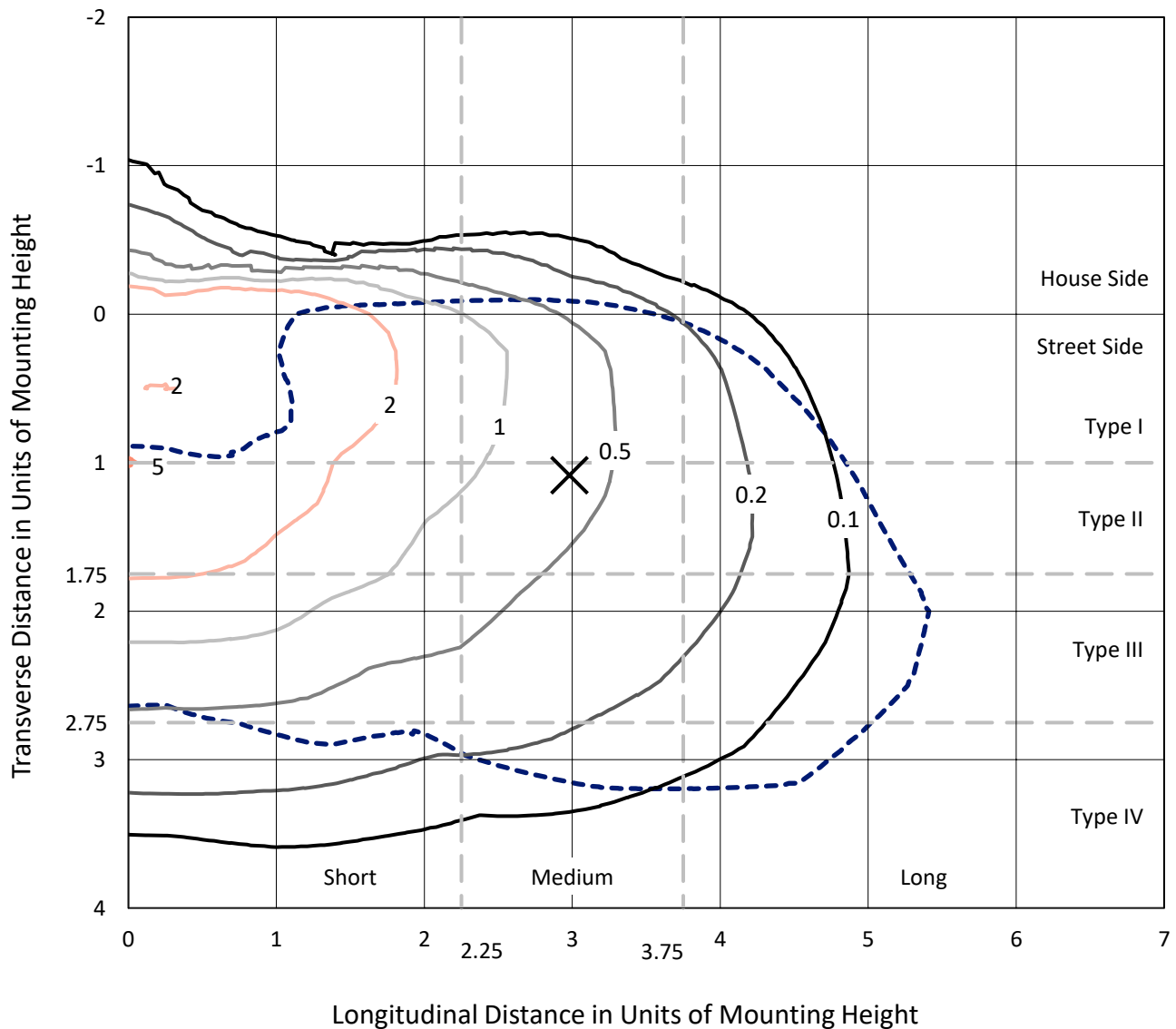


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

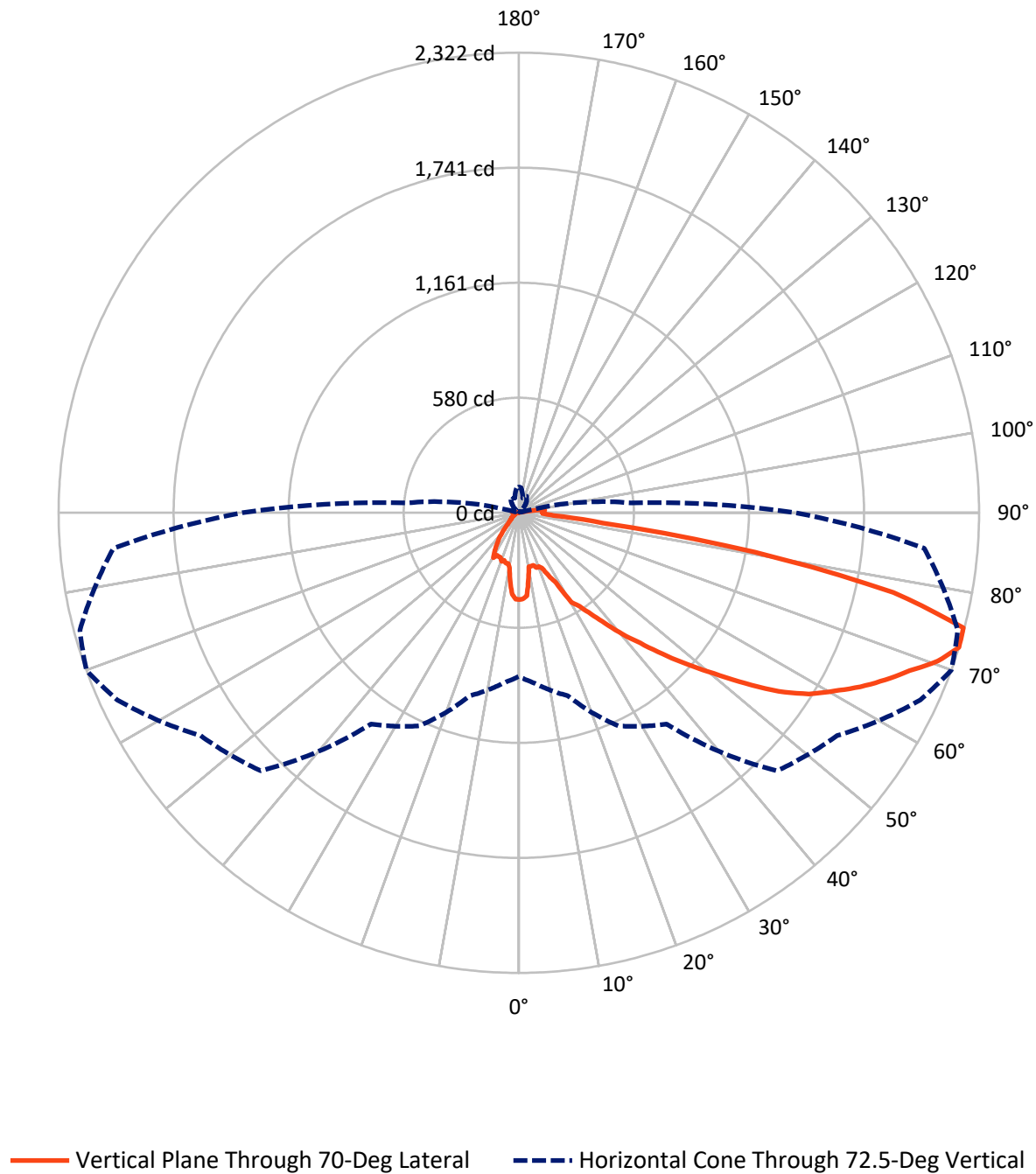


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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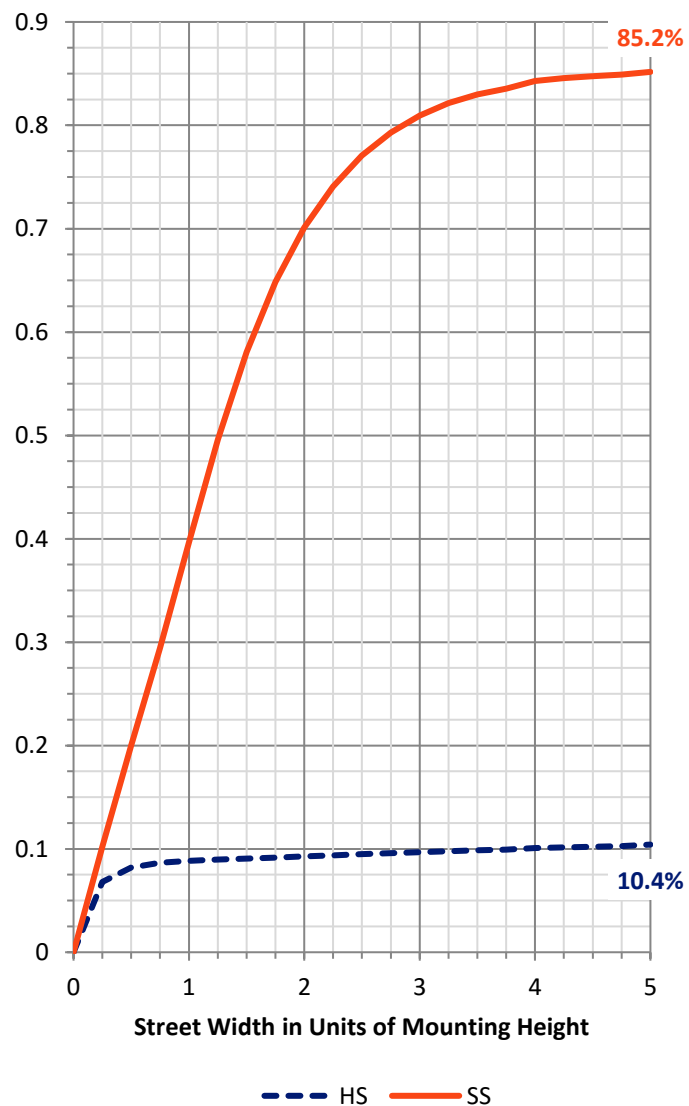
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	408.7	57.5	466.3
	% Fixture	11.5	1.6	13.1
Street Side	Lumens	3053.1	46.6	3099.6
	% Fixture	85.6	1.3	86.9
Total	Lumens	3461.8	104.1	3565.9
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.8	0.9
10°-20°	66.8	1.9
20°-30°	108.2	3.0
30°-40°	231.1	6.5
40°-50°	454.4	12.7
50°-60°	758.8	21.3
60°-70°	941.7	26.4
70°-80°	725.3	20.3
80°-90°	141.8	4.0
90°-100°	77.0	2.2
100°-110°	15.9	0.4
110°-120°	4.5	0.1
120°-130°	3.5	0.1
130°-140°	1.7	0.0
140°-150°	0.8	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	3461.8	97.1
0°-180°	3565.9	100.0

Coefficient of Utilization



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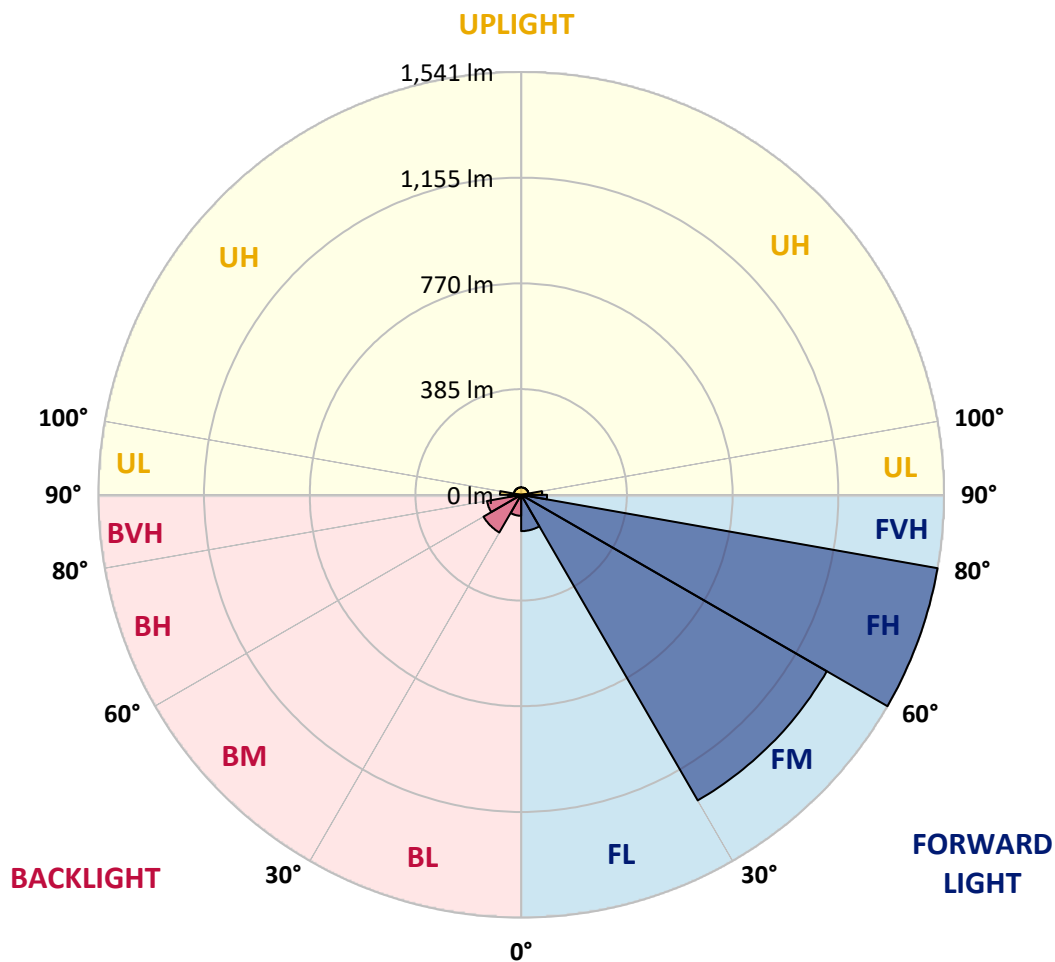
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	132.3	3.7			
FM	(30°-60°)	1285.8	36.1			
FH	(60°-80°)	1540.7	43.2			G1/1800
FVH	(80°-90°)	94.4	2.6			G1/100
BL	(0°-30°)	76.5	2.1	B0/110		
BM	(30°-60°)	158.5	4.4	B0/220		
BH	(60°-80°)	126.3	3.5	B1/500		G1/500
BVH	(80°-90°)	47.4	1.3			G1/100
UL	(90°-100°)	77.0	2.2		U3/500	
UH	(100°-180°)	27.2	0.8		U2/50	

BUG Rating: B1-U3-G1

Type IV Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
0°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	369.3	410.2	412.0	415.7	419.4	425.0	434.3	434.3	434.3	434.3	436.1
5°	350.8	350.8	350.8	354.5	354.5	358.2	360.0	415.7	421.3	426.9	426.9
7.5°	291.4	319.2	321.1	332.2	345.2	350.8	354.5	350.8	345.2	367.5	376.8
10°	319.2	319.2	319.2	322.9	304.4	295.1	272.8	274.7	276.5	293.2	334.1
12.5°	265.4	282.1	298.8	317.4	293.2	263.5	258.0	272.8	276.5	246.8	293.2
15°	309.9	308.1	308.1	291.4	243.1	263.5	230.1	243.1	274.7	300.7	348.9
17.5°	256.1	248.7	289.5	285.8	259.8	207.9	265.4	263.5	291.4	269.1	300.7
20°	304.4	302.5	302.5	233.8	258.0	280.2	276.5	258.0	289.5	322.9	380.5
22.5°	256.1	252.4	259.8	280.2	256.1	289.5	252.4	319.2	304.4	295.1	276.5
25°	322.9	321.1	321.1	256.1	289.5	265.4	319.2	291.4	352.6	384.2	419.4
27.5°	289.5	289.5	276.5	296.9	276.5	334.1	306.2	367.5	399.0	419.4	506.7
30°	400.9	402.7	380.5	295.1	308.1	313.7	361.9	454.7	523.4	573.5	627.3
32.5°	577.2	566.1	473.3	402.7	326.6	387.9	400.9	528.9	562.3	616.2	662.6
35°	785.1	779.5	697.8	521.5	393.5	415.7	447.3	575.3	627.3	681.1	709.0
37.5°	928.0	922.4	870.4	664.4	475.1	484.4	488.1	640.3	707.1	760.9	773.9
40°	1044.9	1035.6	1004.1	775.8	584.6	566.1	547.5	729.4	805.5	850.0	855.6
42.5°	1221.2	1206.4	1126.5	903.8	696.0	675.6	612.5	807.3	898.3	957.7	961.4
45°	1432.8	1419.8	1308.4	1082.0	814.8	809.2	727.5	907.5	1015.2	1085.7	1065.3
47.5°	1577.5	1542.3	1479.2	1252.8	998.5	950.2	855.6	1009.6	1141.4	1247.2	1189.6
50°	1709.3	1683.3	1629.5	1442.1	1197.1	1132.1	989.2	1126.5	1275.0	1371.5	1293.6
52.5°	1831.8	1792.8	1748.3	1583.1	1367.8	1336.3	1121.0	1243.5	1429.1	1508.9	1401.2
55°	1893.0	1831.8	1824.4	1711.2	1499.6	1473.6	1269.5	1388.2	1590.5	1646.2	1503.3
57.5°	1792.8	1791.0	1848.5	1789.1	1607.2	1594.2	1419.8	1544.1	1726.0	1752.0	1603.5
60°	1726.0	1727.9	1815.1	1818.8	1701.9	1709.3	1555.3	1724.2	1826.2	1842.9	1698.2
62.5°	1609.1	1622.1	1753.9	1839.2	1726.0	1818.8	1670.3	1848.5	1933.9	1939.4	1815.1
65°	1462.5	1475.5	1609.1	1783.5	1700.0	1891.2	1766.8	1987.7	2032.2	2036.0	1943.2
67.5°	1291.7	1297.3	1445.8	1638.8	1636.9	1917.2	1826.2	2080.5	2126.9	2138.0	2052.7
70°	1102.4	1095.0	1230.5	1453.2	1501.4	1904.2	1898.6	2171.4	2242.0	2240.1	2128.7
72.5°	825.9	861.2	955.8	1185.9	1301.0	1841.1	1959.9	2234.5	2321.8	2292.1	2052.7
75°	282.1	300.7	556.8	755.4	1002.2	1672.2	1972.9	2238.2	2316.2	2184.4	1679.6
77.5°	92.8	87.2	124.3	300.7	556.8	1158.1	1735.3	1952.4	1932.0	1698.2	1031.9
80°	44.5	46.4	55.7	105.8	204.2	525.2	1089.4	1236.0	1208.2	890.8	447.3
82.5°	29.7	31.6	37.1	61.2	115.1	180.0	579.0	564.2	426.9	280.2	183.7
85°	13.0	13.0	18.6	31.6	70.5	118.8	220.9	193.0	174.5	161.5	150.3
87.5°	3.7	3.7	7.4	11.1	24.1	74.2	124.3	116.9	120.6	126.2	142.9
90°	3.7	3.7	3.7	3.7	18.6	77.9	126.2	118.8	118.8	126.2	150.3
92.5°	5.6	5.6	3.7	3.7	16.7	77.9	131.8	113.2	120.6	128.1	161.5
95°	5.6	7.4	3.7	1.9	13.0	79.8	135.5	120.6	131.8	129.9	172.6
97.5°	7.4	7.4	3.7	1.9	7.4	68.7	137.3	98.4	100.2	92.8	135.5
100°	9.3	9.3	3.7	3.7	5.6	35.3	102.1	63.1	39.0	29.7	44.5
102.5°	11.1	11.1	3.7	3.7	3.7	13.0	46.4	37.1	20.4	5.6	11.1
105°	11.1	13.0	3.7	3.7	1.9	5.6	20.4	14.8	7.4	5.6	11.1
107.5°	13.0	13.0	3.7	3.7	1.9	3.7	5.6	5.6	3.7	5.6	11.1
110°	13.0	13.0	5.6	3.7	1.9	3.7	1.9	3.7	3.7	5.6	13.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	70°	75°	85°
112.5°	9.3	9.3	3.7	5.6	1.9	1.9	1.9	3.7	3.7	5.6	11.1
115°	5.6	3.7	1.9	3.7	1.9	1.9	1.9	3.7	3.7	3.7	9.3
117.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	5.6	11.1
120°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	3.7	7.4	13.0
122.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	7.4	14.8
125°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	3.7	5.6	13.0
127.5°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	3.7	5.6	11.1
130°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	3.7	7.4
132.5°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	3.7	7.4
135°	1.9	1.9	1.9	0.0	1.9	1.9	1.9	1.9	1.9	1.9	3.7
137.5°	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
140°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
142.5°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
145°	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9
147.5°	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
150°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
152.5°	3.7	3.7	3.7	1.9	1.9	1.9	1.9	3.7	3.7	1.9	1.9
155°	1.9	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9	3.7	3.7
157.5°	0.0	1.9	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9
160°	0.0	0.0	0.0	0.0	0.0	1.9	1.9	1.9	1.9	1.9	1.9
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°	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0	438.0
2.5°	436.1	436.1	434.3	438.0	436.1	436.1	412.0	387.9	382.3	384.2	387.9
5°	428.7	428.7	428.7	399.0	365.6	354.5	358.2	358.2	358.2	356.3	360.0
7.5°	378.6	376.8	371.2	337.8	352.6	350.8	348.9	345.2	300.7	289.5	289.5
10°	335.9	335.9	287.7	274.7	274.7	285.8	293.2	282.1	276.5	267.3	265.4
12.5°	295.1	295.1	246.8	274.7	232.0	230.1	224.6	206.0	174.5	152.2	154.0
15°	350.8	350.8	291.4	233.8	194.9	183.7	115.1	107.6	103.9	102.1	100.2
17.5°	298.8	300.7	269.1	232.0	181.9	96.5	81.7	81.7	81.7	77.9	70.5
20°	378.6	378.6	313.7	207.9	137.3	76.1	63.1	55.7	76.1	76.1	76.1
22.5°	274.7	271.0	276.5	211.6	85.4	61.2	52.0	65.0	68.7	57.5	57.5
25°	415.7	410.2	335.9	152.2	70.5	48.3	57.5	50.1	65.0	65.0	65.0
27.5°	512.2	475.1	341.5	139.2	52.0	55.7	46.4	55.7	50.1	48.3	48.3
30°	616.2	599.5	412.0	109.5	50.1	46.4	48.3	44.5	52.0	48.3	48.3
32.5°	649.6	632.9	373.0	85.4	48.3	44.5	40.8	42.7	40.8	42.7	42.7
35°	692.3	675.6	330.4	65.0	44.5	39.0	37.1	37.1	35.3	33.4	33.4
37.5°	753.5	725.7	282.1	55.7	40.8	35.3	29.7	27.8	29.7	37.1	39.0
40°	824.0	777.6	222.7	50.1	35.3	29.7	22.3	26.0	31.6	31.6	31.6
42.5°	926.1	840.7	165.2	46.4	31.6	24.1	16.7	20.4	24.1	33.4	33.4
45°	1015.2	877.9	116.9	42.7	26.0	18.6	13.0	20.4	26.0	29.7	29.7
47.5°	1119.1	913.1	87.2	40.8	24.1	13.0	14.8	20.4	20.4	31.6	31.6
50°	1206.4	920.5	70.5	37.1	18.6	9.3	18.6	18.6	22.3	27.8	27.8
52.5°	1288.0	928.0	63.1	33.4	14.8	7.4	18.6	18.6	26.0	33.4	33.4
55°	1341.8	905.7	57.5	29.7	13.0	5.6	20.4	20.4	20.4	26.0	26.0
57.5°	1384.5	877.9	53.8	26.0	11.1	11.1	22.3	26.0	22.3	26.0	26.0
60°	1412.4	827.7	46.4	24.1	9.3	11.1	27.8	33.4	26.0	39.0	39.0
62.5°	1462.5	788.8	40.8	22.3	7.4	11.1	27.8	42.7	33.4	52.0	53.8
65°	1503.3	753.5	35.3	16.7	7.4	14.8	31.6	53.8	40.8	65.0	66.8
67.5°	1520.0	710.8	29.7	14.8	7.4	16.7	40.8	66.8	52.0	76.1	76.1
70°	1507.0	666.3	24.1	14.8	7.4	26.0	53.8	77.9	63.1	92.8	94.7
72.5°	1393.8	567.9	18.6	14.8	5.6	27.8	66.8	92.8	76.1	126.2	129.9
75°	1067.2	360.0	18.6	14.8	7.4	31.6	77.9	107.6	90.9	141.1	146.6
77.5°	651.4	167.0	18.6	16.7	9.3	39.0	85.4	124.3	100.2	152.2	155.9
80°	289.5	103.9	18.6	18.6	18.6	48.3	100.2	137.3	113.2	161.5	167.0
82.5°	144.8	77.9	16.7	18.6	27.8	57.5	118.8	146.6	116.9	167.0	168.9
85°	124.3	70.5	16.7	20.4	29.7	66.8	128.1	148.5	122.5	165.2	167.0
87.5°	118.8	66.8	20.4	20.4	33.4	70.5	131.8	155.9	126.2	159.6	157.8
90°	124.3	65.0	22.3	24.1	42.7	72.4	133.6	152.2	126.2	150.3	150.3
92.5°	128.1	63.1	24.1	27.8	52.0	81.7	131.8	148.5	126.2	139.2	139.2
95°	131.8	63.1	27.8	31.6	52.0	89.1	126.2	135.5	116.9	124.3	122.5
97.5°	100.2	46.4	33.4	35.3	48.3	68.7	102.1	105.8	76.1	74.2	72.4
100°	35.3	20.4	33.4	39.0	29.7	29.7	61.2	74.2	44.5	27.8	31.6
102.5°	11.1	9.3	29.7	39.0	24.1	11.1	31.6	46.4	33.4	3.7	3.7
105°	11.1	11.1	16.7	31.6	16.7	3.7	11.1	26.0	20.4	3.7	3.7
107.5°	11.1	9.3	7.4	18.6	5.6	3.7	5.6	5.6	5.6	1.9	3.7
110°	13.0	9.3	3.7	5.6	3.7	3.7	3.7	3.7	3.7	7.4	7.4

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.0	9.3	3.7	5.6	3.7	3.7	3.7	1.9	3.7	9.3	11.1
115°	11.1	9.3	3.7	3.7	3.7	3.7	1.9	1.9	3.7	11.1	11.1
117.5°	13.0	11.1	3.7	3.7	1.9	3.7	1.9	1.9	3.7	11.1	13.0
120°	14.8	13.0	3.7	3.7	1.9	1.9	1.9	1.9	3.7	9.3	11.1
122.5°	14.8	14.8	3.7	1.9	1.9	1.9	1.9	1.9	5.6	9.3	9.3
125°	13.0	13.0	3.7	1.9	1.9	1.9	1.9	1.9	5.6	9.3	9.3
127.5°	11.1	11.1	3.7	1.9	1.9	1.9	1.9	1.9	3.7	7.4	9.3
130°	9.3	9.3	3.7	1.9	1.9	1.9	0.0	1.9	3.7	7.4	7.4
132.5°	7.4	5.6	3.7	1.9	1.9	1.9	0.0	1.9	3.7	5.6	7.4
135°	5.6	5.6	1.9	1.9	1.9	1.9	0.0	0.0	3.7	3.7	5.6
137.5°	3.7	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	3.7	3.7
140°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
142.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
145°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
147.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
150°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
152.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	1.9	1.9	1.9
155°	3.7	3.7	3.7	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9
157.5°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0
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)