

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: P560701

Luminaire Tested: **SDL-PA1-60-727-U-T4W-HSS-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560701
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-9)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-60-727-U-T4W-HSS-A
Description: Springdale
(1) 70 CRI, 2700K, 800mA LIGHT ENGINE WITH 24 LEDS AND TYPE IV WIDE OPTICS, HOUSE SIDE SHEILD AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4251.6 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 - G2

Input Watts (W): 62.4
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

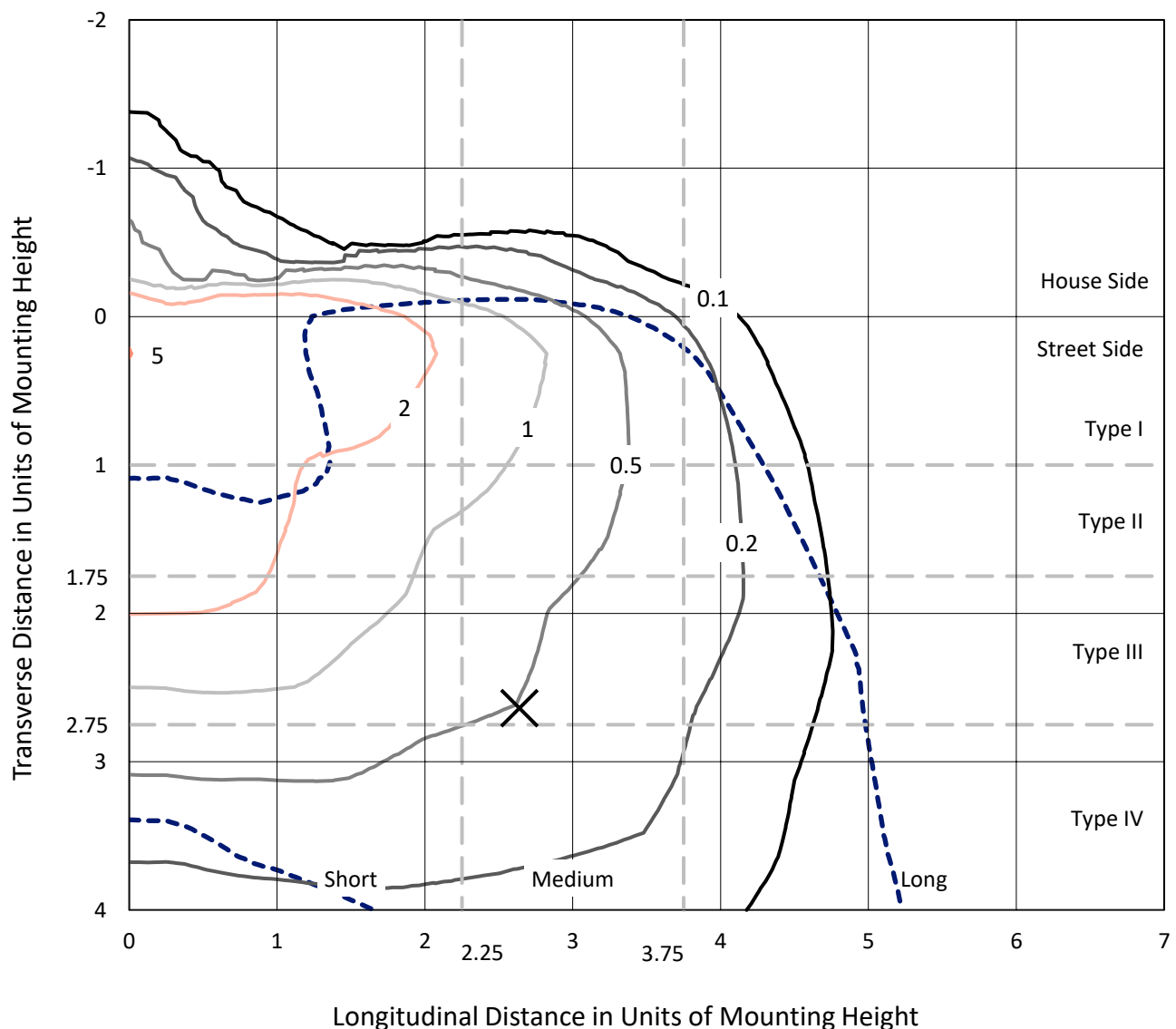


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

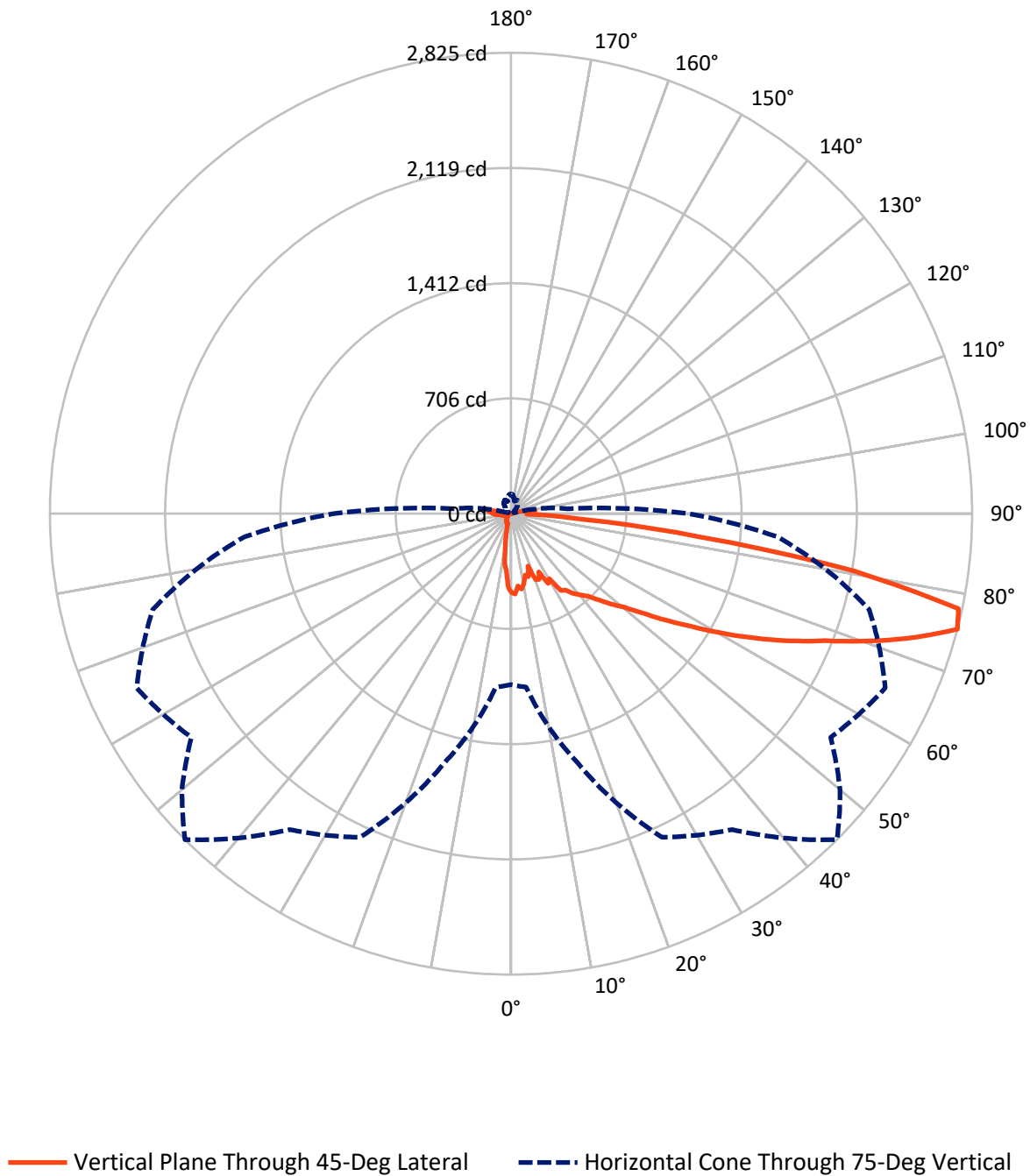


Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



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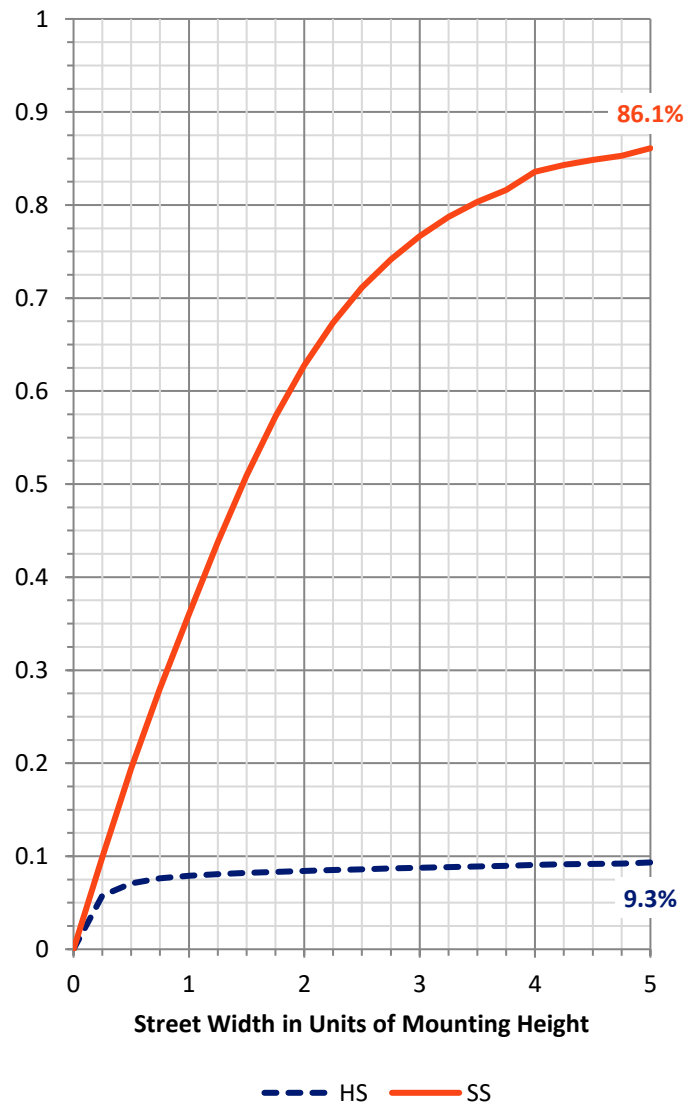
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	436.3	76.3	512.6
	% Fixture	10.3	1.8	12.1
Street Side	Lumens	3680.0	59.0	3739.0
	% Fixture	86.6	1.4	87.9
Total	Lumens	4116.3	135.3	4251.6
	% Fixture	96.8	3.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	37.6	0.9
10°-20°	81.4	1.9
20°-30°	136.5	3.2
30°-40°	253.1	6.0
40°-50°	426.5	10.0
50°-60°	765.5	18.0
60°-70°	1149.4	27.0
70°-80°	1051.5	24.7
80°-90°	215.0	5.1
90°-100°	102.9	2.4
100°-110°	21.9	0.5
110°-120°	4.2	0.1
120°-130°	3.3	0.1
130°-140°	1.5	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°	4116.3	96.8
0°-180°	4251.6	100.0

Coefficient of Utilization



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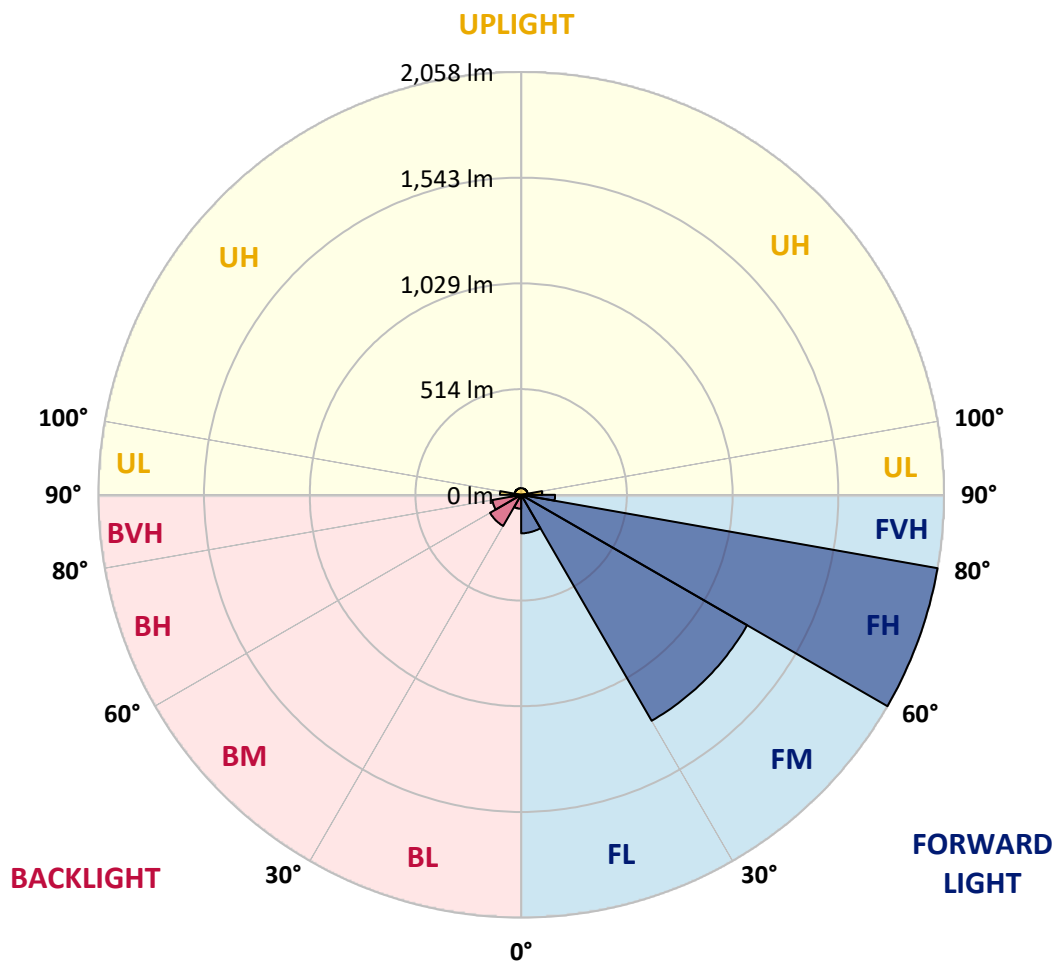
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	187.3	4.4			
FM	(30°-60°)	1269.9	29.9			
FH	(60°-80°)	2057.9	48.4			G2/5000
FVH	(80°-90°)	164.9	3.9			G2/225
BL	(0°-30°)	68.1	1.6	B0/110		
BM	(30°-60°)	175.0	4.1	B0/220		
BH	(60°-80°)	143.0	3.4	B1/500		G1/500
BVH	(80°-90°)	50.1	1.2			G1/100
UL	(90°-100°)	102.9	2.4		U3/500	
UH	(100°-180°)	32.5	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°	50°	55°	65°	75°	85°
0°	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4
2.5°	470.8	493.5	486.7	498.1	495.8	493.5	493.5	495.8	493.5	489.0	484.4
5°	479.9	473.1	468.5	466.2	457.1	445.8	441.2	436.7	484.4	484.4	475.3
7.5°	493.5	493.5	484.4	477.6	477.6	466.2	454.9	445.8	423.0	416.2	416.2
10°	525.4	520.8	514.0	500.4	432.1	434.4	409.4	359.3	336.6	345.7	359.3
12.5°	532.2	529.9	520.8	518.6	454.9	386.6	320.7	359.3	343.4	286.6	318.4
15°	570.9	566.3	548.1	516.3	388.9	400.3	373.0	320.7	307.0	350.3	375.3
17.5°	486.7	486.7	545.8	500.4	423.0	336.6	334.3	373.0	336.6	313.9	311.6
20°	598.2	598.2	573.1	409.4	434.4	429.9	345.7	391.2	329.8	373.0	398.0
22.5°	498.1	495.8	514.0	507.2	416.2	438.9	354.8	357.1	393.5	336.6	288.8
25°	607.3	607.3	593.6	441.2	473.1	395.7	404.8	427.6	350.3	425.3	429.9
27.5°	523.1	520.8	495.8	504.9	441.2	484.4	368.4	402.6	429.9	459.4	504.9
30°	639.1	643.6	632.3	479.9	491.3	461.7	438.9	466.2	520.8	611.8	641.4
32.5°	789.2	793.7	673.2	577.7	493.5	561.8	470.8	514.0	598.2	641.4	673.2
35°	877.9	843.8	791.5	645.9	532.2	575.4	541.3	548.1	623.2	691.4	714.1
37.5°	953.0	907.5	846.1	666.4	561.8	620.9	564.0	573.1	675.5	736.9	766.5
40°	978.0	950.7	916.6	711.9	598.2	655.0	591.3	611.8	725.5	796.0	841.5
42.5°	1039.4	1041.7	1021.2	775.6	636.8	691.4	636.8	650.5	791.5	877.9	943.9
45°	1203.1	1207.7	1184.9	884.7	684.6	755.1	709.6	716.4	866.5	1003.0	1087.1
47.5°	1412.4	1396.5	1373.7	1030.3	757.4	827.9	793.7	786.9	955.2	1166.7	1241.8
50°	1623.9	1594.3	1546.6	1230.4	882.4	902.9	880.2	875.6	1062.1	1335.0	1416.9
52.5°	1844.5	1821.8	1721.7	1419.2	1068.9	1012.1	987.1	1012.1	1200.9	1521.5	1596.6
55°	1960.5	1937.7	1874.1	1621.6	1248.6	1153.1	1109.9	1155.4	1414.6	1696.7	1794.5
57.5°	2056.0	2049.2	2019.6	1833.1	1467.0	1303.2	1260.0	1303.2	1585.2	1860.4	1976.4
60°	2192.5	2165.2	2192.5	2037.8	1678.5	1487.4	1428.3	1473.8	1794.5	2003.7	2176.6
62.5°	2290.3	2283.4	2338.0	2267.5	1855.9	1680.7	1594.3	1637.5	1978.7	2156.1	2374.4
65°	2185.7	2219.8	2438.1	2417.6	2056.0	1878.6	1787.6	1774.0	2128.8	2319.8	2585.9
67.5°	1999.2	2021.9	2340.3	2495.0	2231.1	2078.8	1969.6	1905.9	2267.5	2467.7	2754.2
70°	1821.8	1849.0	2140.2	2499.5	2315.3	2335.8	2183.4	2065.1	2406.3	2633.7	2790.6
72.5°	1680.7	1705.8	1967.3	2444.9	2344.9	2592.8	2417.6	2233.4	2540.5	2638.2	2438.1
75°	1048.5	1066.7	1582.9	2187.9	2363.1	2824.7	2631.4	2390.3	2529.1	2272.1	1639.8
77.5°	323.0	329.8	677.8	1444.2	2053.7	2802.0	2595.0	2247.1	2119.7	1441.9	748.3
80°	111.4	113.7	175.1	514.0	1228.1	2126.5	1978.7	1653.5	1266.8	532.2	282.0
82.5°	52.3	56.9	81.9	172.9	500.4	1162.2	1169.0	982.5	532.2	236.5	191.0
85°	18.2	18.2	34.1	75.1	193.3	448.0	425.3	395.7	279.7	213.8	177.4
87.5°	6.8	6.8	11.4	20.5	47.8	95.5	120.5	147.8	147.8	150.1	179.7
90°	6.8	6.8	4.5	4.5	34.1	100.1	120.5	134.2	122.8	136.5	195.6
92.5°	6.8	6.8	4.5	4.5	36.4	116.0	134.2	145.6	129.6	145.6	216.1
95°	6.8	6.8	4.5	4.5	40.9	141.0	156.9	154.7	129.6	152.4	232.0
97.5°	9.1	9.1	4.5	2.3	36.4	150.1	168.3	163.8	111.4	116.0	181.9
100°	9.1	9.1	4.5	2.3	22.7	111.4	134.2	131.9	72.8	18.2	52.3
102.5°	9.1	9.1	4.5	2.3	4.5	52.3	63.7	66.0	43.2	6.8	9.1
105°	11.4	11.4	4.5	2.3	2.3	9.1	20.5	27.3	15.9	4.5	9.1
107.5°	11.4	11.4	4.5	2.3	2.3	4.5	4.5	6.8	6.8	4.5	11.4
110°	11.4	11.4	4.5	4.5	2.3	2.3	2.3	2.3	4.5	4.5	11.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	50°	55°	65°	75°	85°
112.5°	9.1	9.1	2.3	4.5	2.3	2.3	2.3	2.3	2.3	4.5	11.4
115°	4.5	4.5	2.3	2.3	0.0	2.3	2.3	2.3	2.3	4.5	9.1
117.5°	2.3	2.3	0.0	2.3	0.0	2.3	2.3	2.3	4.5	4.5	11.4
120°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	6.8	13.6
122.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	6.8	13.6
125°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	6.8	13.6
127.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	6.8	11.4
130°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	4.5	9.1
132.5°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	4.5	6.8
135°	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	4.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
145°	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3
147.5°	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
150°	6.8	6.8	4.5	2.3	0.0	0.0	2.3	2.3	2.3	2.3	2.3
152.5°	4.5	4.5	6.8	2.3	0.0	0.0	2.3	2.3	4.5	2.3	2.3
155°	4.5	4.5	2.3	0.0	0.0	0.0	0.0	2.3	2.3	4.5	4.5
157.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
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°	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4	484.4
2.5°	479.9	477.6	470.8	466.2	459.4	452.6	418.5	398.0	395.7	393.5	395.7
5°	470.8	464.0	452.6	400.3	375.3	352.5	345.7	341.2	329.8	329.8	332.1
7.5°	407.1	402.6	366.2	350.3	329.8	309.3	291.1	277.5	243.4	232.0	227.4
10°	357.1	348.0	284.3	252.5	232.0	209.2	209.2	191.0	181.9	175.1	172.9
12.5°	309.3	302.5	250.2	229.7	172.9	150.1	138.7	127.4	120.5	116.0	113.7
15°	361.6	350.3	268.4	184.2	127.4	106.9	84.2	81.9	102.3	106.9	109.2
17.5°	288.8	295.7	238.8	161.5	104.6	66.0	72.8	86.4	97.8	97.8	95.5
20°	384.4	368.4	259.3	129.6	75.1	66.0	70.5	63.7	91.0	97.8	97.8
22.5°	279.7	266.1	213.8	120.5	59.1	63.7	59.1	75.1	84.2	75.1	77.3
25°	416.2	395.7	247.9	84.2	61.4	54.6	68.2	59.1	81.9	88.7	91.0
27.5°	516.3	448.0	243.4	79.6	54.6	61.4	56.9	68.2	66.0	70.5	70.5
30°	616.3	577.7	275.2	72.8	54.6	52.3	59.1	59.1	75.1	81.9	81.9
32.5°	659.6	614.1	241.1	70.5	54.6	52.3	52.3	63.7	70.5	84.2	84.2
35°	705.0	643.6	202.4	66.0	52.3	50.0	50.0	63.7	75.1	84.2	86.4
37.5°	766.5	675.5	163.8	63.7	50.0	47.8	43.2	56.9	79.6	88.7	91.0
40°	843.8	721.0	127.4	59.1	45.5	43.2	40.9	56.9	68.2	79.6	79.6
42.5°	964.3	771.0	100.1	56.9	43.2	38.7	38.7	47.8	66.0	75.1	75.1
45°	1087.1	830.1	84.2	54.6	40.9	36.4	36.4	47.8	50.0	63.7	63.7
47.5°	1223.6	889.3	77.3	52.3	40.9	31.8	31.8	43.2	43.2	59.1	61.4
50°	1364.6	939.3	72.8	50.0	36.4	29.6	36.4	29.6	36.4	56.9	61.4
52.5°	1487.4	980.2	68.2	45.5	34.1	27.3	34.1	29.6	36.4	52.3	52.3
55°	1612.5	1003.0	66.0	43.2	31.8	22.7	34.1	31.8	34.1	47.8	47.8
57.5°	1724.0	1009.8	63.7	43.2	27.3	20.5	31.8	38.7	29.6	38.7	43.2
60°	1824.0	1003.0	56.9	38.7	20.5	20.5	34.1	45.5	40.9	45.5	45.5
62.5°	1917.3	978.0	45.5	31.8	15.9	20.5	43.2	50.0	38.7	47.8	52.3
65°	1996.9	943.9	34.1	25.0	11.4	22.7	45.5	56.9	45.5	54.6	59.1
67.5°	2033.3	898.4	27.3	20.5	11.4	25.0	47.8	63.7	52.3	61.4	66.0
70°	1971.9	805.1	22.7	20.5	9.1	29.6	50.0	68.2	59.1	77.3	79.6
72.5°	1637.5	632.3	20.5	20.5	15.9	36.4	63.7	77.3	72.8	104.6	102.3
75°	1084.9	345.7	20.5	18.2	20.5	43.2	77.3	91.0	79.6	118.3	118.3
77.5°	500.4	152.4	18.2	20.5	22.7	47.8	88.7	109.2	91.0	134.2	131.9
80°	218.3	93.2	18.2	18.2	25.0	52.3	100.1	122.8	100.1	147.8	147.8
82.5°	163.8	84.2	15.9	18.2	34.1	59.1	116.0	136.5	111.4	159.2	156.9
85°	152.4	79.6	18.2	20.5	38.7	75.1	136.5	147.8	116.0	163.8	163.8
87.5°	154.7	77.3	18.2	20.5	52.3	95.5	154.7	159.2	127.4	172.9	172.9
90°	159.2	79.6	20.5	22.7	59.1	104.6	172.9	170.6	143.3	181.9	181.9
92.5°	170.6	79.6	22.7	25.0	63.7	116.0	188.8	175.1	154.7	188.8	184.2
95°	177.4	79.6	25.0	27.3	75.1	127.4	200.1	170.6	163.8	175.1	170.6
97.5°	131.9	59.1	29.6	31.8	77.3	143.3	184.2	145.6	106.9	104.6	106.9
100°	43.2	20.5	31.8	34.1	50.0	100.1	136.5	104.6	56.9	43.2	43.2
102.5°	11.4	11.4	29.6	31.8	27.3	43.2	79.6	68.2	38.7	2.3	4.5
105°	11.4	9.1	18.2	25.0	15.9	11.4	31.8	38.7	29.6	2.3	2.3
107.5°	11.4	9.1	9.1	13.6	4.5	4.5	9.1	9.1	9.1	2.3	2.3
110°	11.4	9.1	4.5	4.5	4.5	4.5	4.5	2.3	2.3	4.5	4.5



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	13.6	9.1	4.5	4.5	4.5	2.3	2.3	2.3	2.3	6.8	9.1
115°	11.4	9.1	2.3	4.5	2.3	2.3	2.3	2.3	4.5	9.1	11.4
117.5°	11.4	9.1	2.3	2.3	2.3	2.3	2.3	2.3	4.5	11.4	13.6
120°	13.6	11.4	2.3	2.3	2.3	2.3	2.3	2.3	4.5	13.6	13.6
122.5°	13.6	11.4	2.3	2.3	2.3	2.3	0.0	2.3	6.8	13.6	13.6
125°	13.6	11.4	2.3	2.3	2.3	0.0	0.0	2.3	6.8	13.6	15.9
127.5°	11.4	9.1	2.3	2.3	2.3	0.0	0.0	2.3	4.5	11.4	13.6
130°	9.1	6.8	2.3	2.3	2.3	0.0	0.0	0.0	4.5	11.4	11.4
132.5°	6.8	4.5	2.3	2.3	2.3	0.0	0.0	0.0	4.5	9.1	9.1
135°	4.5	4.5	2.3	2.3	2.3	0.0	0.0	0.0	2.3	6.8	6.8
137.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	2.3	2.3	2.3
140°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	4.5	4.5	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	0.0	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)