

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: P560858

Luminaire Tested: **SDL-PA1-70-727-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560858
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2106-279-22)
Test Lab: INNOVATION CENTER
Issue Date: 7/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: SDL-PA1-70-727-U-5WQ-A
Description: Springdale
(1) 70 CRI, 2700K, 930mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
AND CLEAR PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

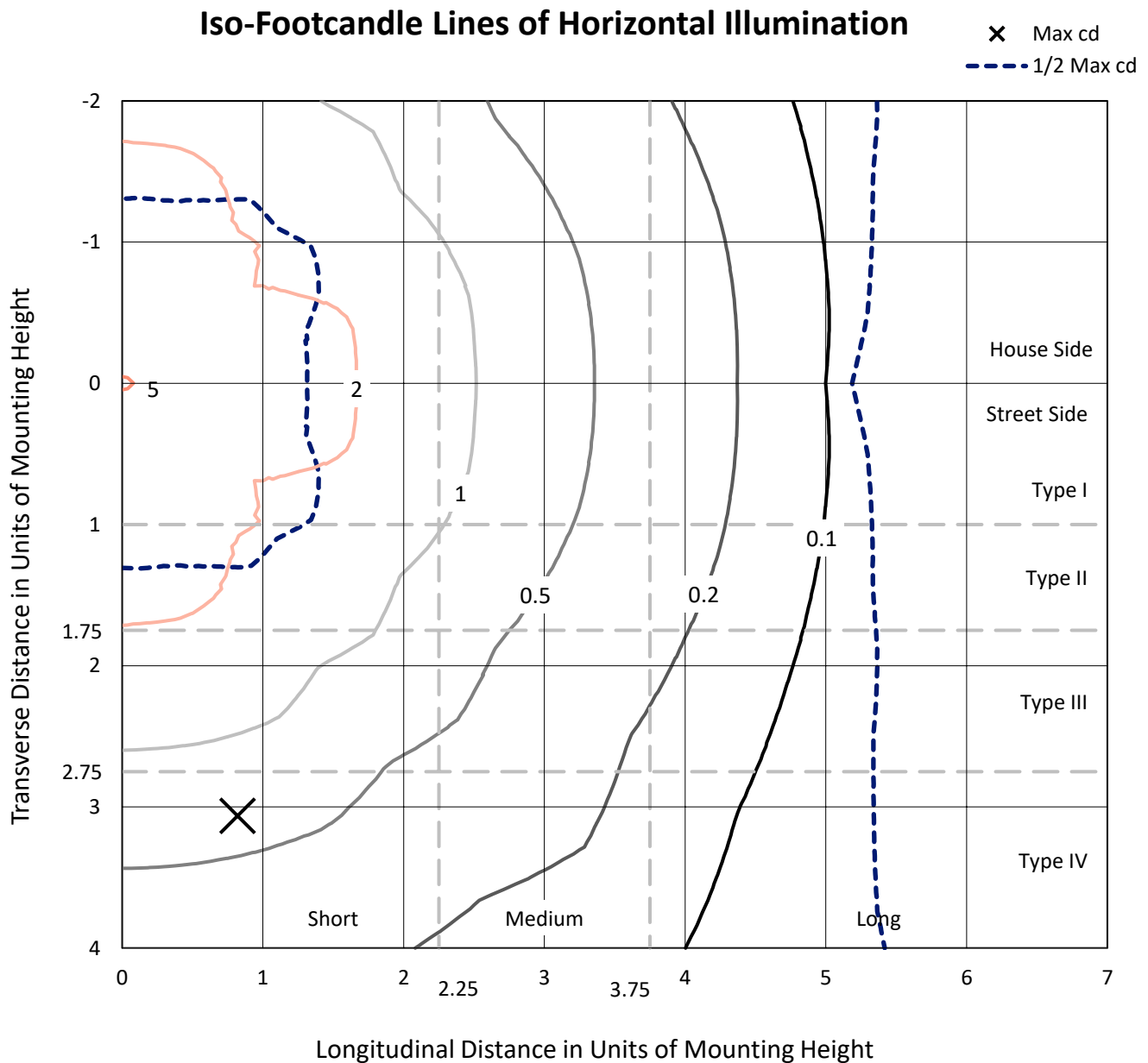
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6853.6 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G3

Input Watts (W): 72.2
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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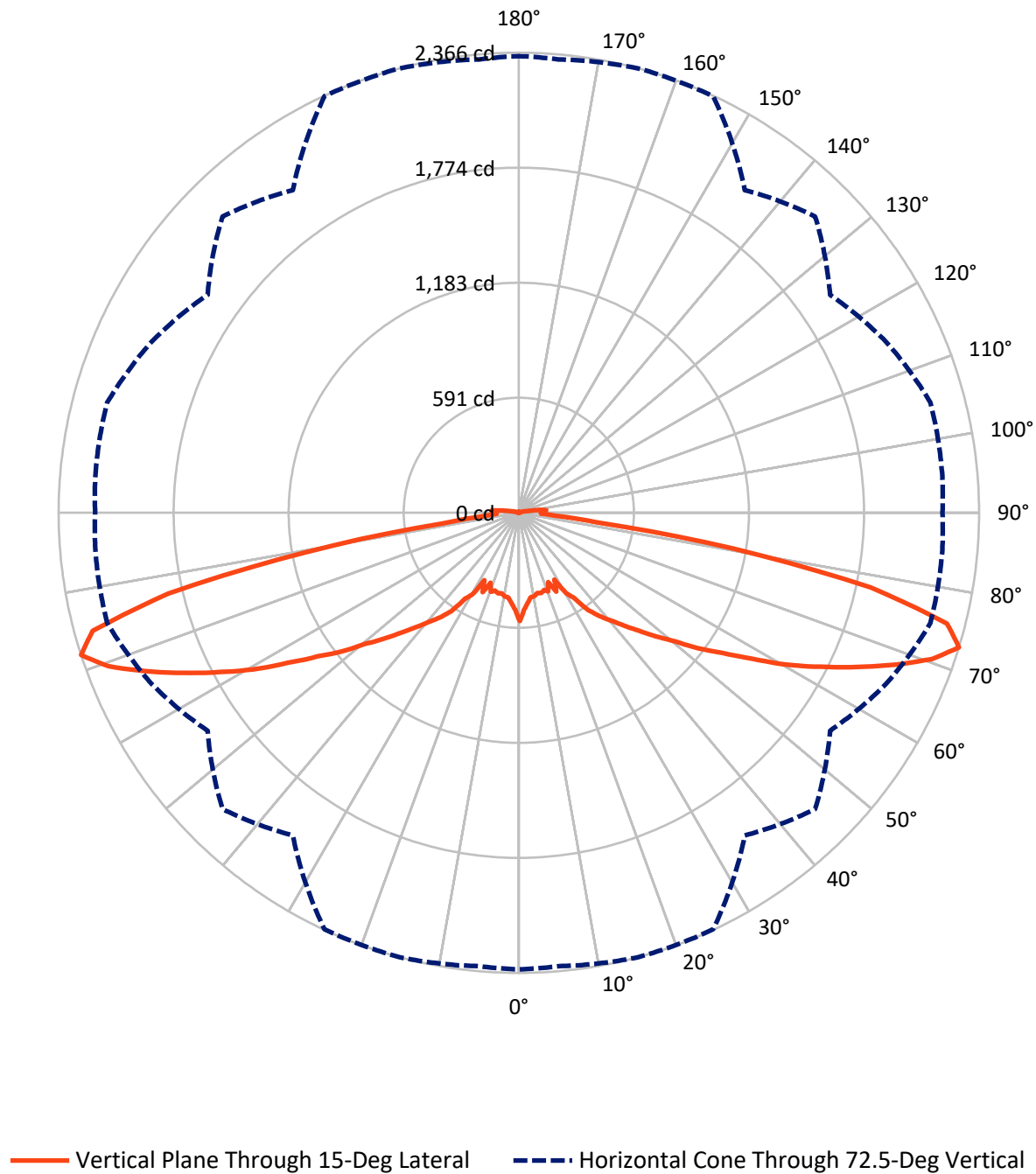


Based on 10 foot mounting height. Maximum calculated value = 5.6 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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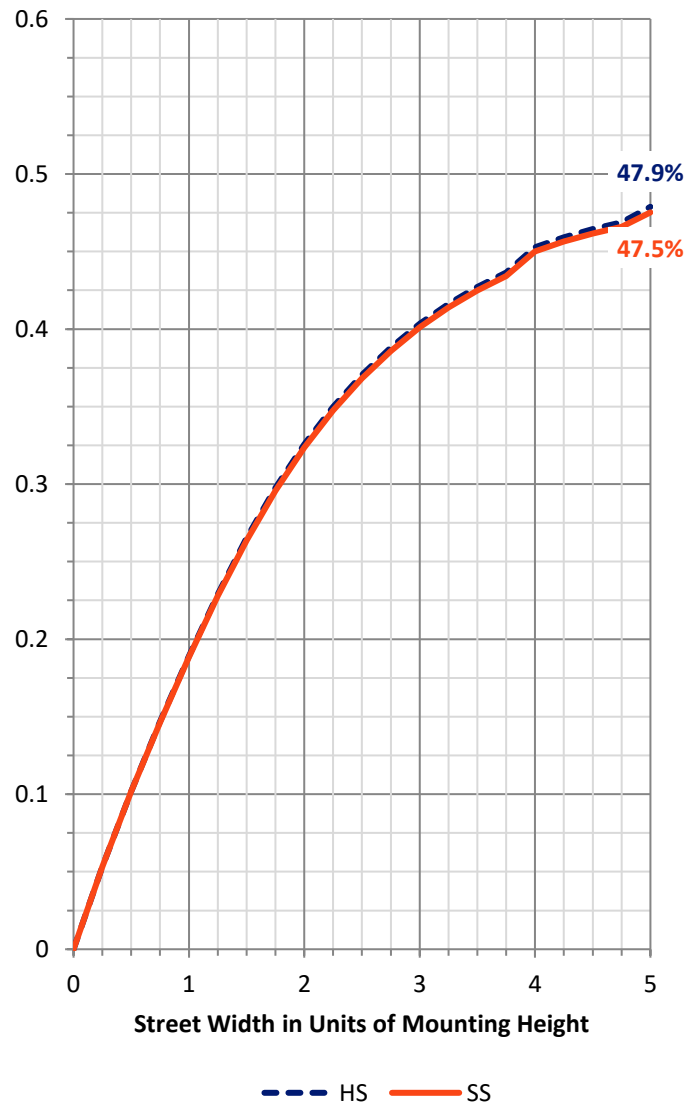
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3322.7	104.1	3426.8
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3322.7	104.1	3426.8
	% Fixture	48.5	1.5	50.0
Total	Lumens	6645.5	208.1	6853.6
	% Fixture	97.0	3.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.9	0.6
10°-20°	101.1	1.5
20°-30°	177.5	2.6
30°-40°	342.7	5.0
40°-50°	595.7	8.7
50°-60°	1049.7	15.3
60°-70°	1773.4	25.9
70°-80°	2084.8	30.4
80°-90°	476.5	7.0
90°-100°	157.3	2.3
100°-110°	37.1	0.5
110°-120°	6.0	0.1
120°-130°	4.8	0.1
130°-140°	2.0	0.0
140°-150°	0.4	0.0
150°-160°	0.7	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6645.5	97.0
0°-180°	6853.6	100.0

Coefficient of Utilization



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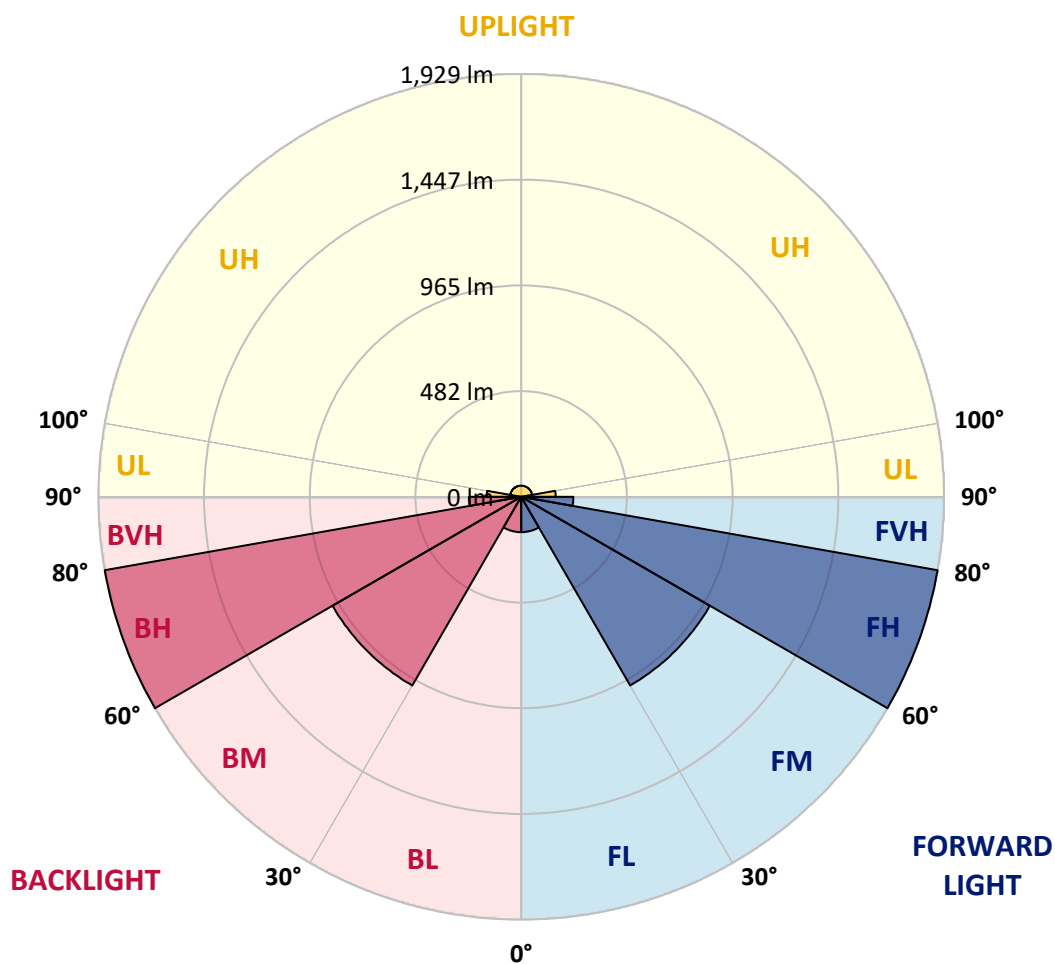
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	161.3	2.4			
FM	(30°-60°)	994.1	14.5			
FH	(60°-80°)	1929.1	28.1			G2/5000
FVH	(80°-90°)	238.3	3.5			G3/500
BL	(0°-30°)	161.3	2.4	B1/500		
BM	(30°-60°)	994.1	14.5	B1/1000		
BH	(60°-80°)	1929.1	28.1	B3/2500		G2/5000
BVH	(80°-90°)	238.3	3.5			G3/500
UL	(90°-100°)	157.3	2.3		U3/500	
UH	(100°-180°)	50.9	0.7		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2	557.2
2.5°	492.7	503.1	500.5	518.5	534.0	539.2	549.5	549.5	552.1	552.1	552.1
5°	466.9	466.9	466.9	466.9	466.9	464.4	474.7	521.1	536.6	539.2	536.6
7.5°	405.0	417.9	438.6	446.3	454.0	451.5	446.3	417.9	461.8	466.9	469.5
10°	436.0	436.0	436.0	430.8	410.2	392.1	371.5	350.9	358.6	405.0	405.0
12.5°	387.0	384.4	423.1	428.2	389.6	340.5	325.1	332.8	309.6	353.4	353.4
15°	436.0	436.0	428.2	402.5	322.5	340.5	288.9	291.5	330.2	381.8	381.8
17.5°	371.5	374.1	417.9	392.1	350.9	273.5	319.9	288.9	296.7	325.1	327.6
20°	443.7	443.7	430.8	335.4	330.2	340.5	294.1	286.4	330.2	381.8	384.4
22.5°	381.8	381.8	387.0	389.6	340.5	335.4	294.1	332.8	312.2	312.2	348.3
25°	461.8	461.8	448.9	356.0	374.1	325.1	340.5	312.2	381.8	420.5	420.5
27.5°	405.0	405.0	389.6	405.0	361.2	387.0	340.5	368.9	410.2	495.3	500.5
30°	492.7	492.7	479.8	402.5	399.9	376.7	379.2	428.2	528.9	583.0	583.0
32.5°	598.5	601.1	521.1	461.8	405.0	433.4	412.8	487.6	552.1	608.8	611.4
35°	642.4	642.4	614.0	536.6	441.1	456.6	448.9	516.0	593.4	639.8	639.8
37.5°	694.0	694.0	673.3	575.3	485.0	505.6	469.5	554.7	639.8	681.1	675.9
40°	748.1	740.4	727.5	616.6	531.4	536.6	505.6	595.9	683.7	724.9	724.9
42.5°	815.2	815.2	792.0	686.2	577.9	585.6	539.2	647.5	748.1	797.2	799.7
45°	890.0	887.5	864.2	763.6	634.6	647.5	595.9	717.2	828.1	874.6	879.7
47.5°	977.7	977.7	949.4	846.2	706.9	719.8	660.4	786.8	926.2	967.4	972.6
50°	1070.6	1062.9	1037.1	941.6	802.3	797.2	732.7	864.2	1029.3	1057.7	1068.0
52.5°	1179.0	1168.7	1158.3	1050.0	908.1	910.7	825.5	946.8	1148.0	1163.5	1168.7
55°	1287.3	1279.6	1271.8	1184.1	1024.2	1039.7	949.4	1060.3	1266.7	1277.0	1287.3
57.5°	1408.6	1416.3	1416.3	1333.8	1155.8	1194.5	1083.5	1202.2	1408.6	1400.8	1398.3
60°	1584.0	1568.5	1586.6	1511.8	1336.3	1367.3	1248.6	1375.0	1545.3	1514.3	1506.6
62.5°	1725.9	1723.3	1744.0	1710.4	1504.0	1581.4	1411.2	1540.1	1674.3	1648.5	1651.1
65°	1888.4	1885.8	1911.6	1896.2	1679.5	1777.5	1589.2	1725.9	1829.1	1800.7	1795.5
67.5°	2045.8	2053.5	2084.5	2105.1	1821.3	1947.8	1759.4	1901.3	1981.3	1934.9	1940.0
70°	2239.3	2226.4	2252.2	2254.8	1937.4	2071.6	1891.0	2012.3	2110.3	2079.3	2074.2
72.5°	2347.6	2339.9	2365.7	2363.1	2025.2	2154.1	1952.9	2081.9	2190.3	2185.1	2177.4
75°	2229.0	2239.3	2272.8	2319.3	2030.3	2200.6	1945.2	2035.5	2120.6	2092.2	2084.5
77.5°	1749.1	1769.8	1849.7	1999.4	1893.6	2182.5	1808.4	1785.2	1803.3	1769.8	1749.1
80°	928.7	946.8	1117.1	1372.5	1519.5	1896.2	1519.5	1297.6	1106.7	970.0	853.9
82.5°	296.7	319.9	399.9	632.1	959.7	1320.9	879.7	497.9	343.1	294.1	276.0
85°	162.5	167.7	180.6	245.1	338.0	534.0	358.6	211.5	185.7	178.0	175.4
87.5°	136.7	139.3	113.5	139.3	162.5	167.7	162.5	116.1	118.7	131.6	129.0
90°	144.5	144.5	116.1	136.7	162.5	165.1	162.5	121.3	118.7	139.3	136.7
92.5°	157.4	157.4	131.6	147.0	180.6	175.4	175.4	126.4	131.6	149.6	149.6
95°	167.7	165.1	141.9	149.6	190.9	196.1	190.9	134.2	141.9	162.5	162.5
97.5°	123.8	118.7	103.2	134.2	180.6	206.4	190.9	126.4	110.9	123.8	121.3
100°	59.3	56.8	54.2	100.6	141.9	157.4	136.7	90.3	49.0	31.0	31.0
102.5°	12.9	12.9	36.1	69.7	82.6	82.6	74.8	61.9	31.0	10.3	10.3
105°	10.3	12.9	25.8	38.7	41.3	23.2	36.1	38.7	18.1	10.3	10.3
107.5°	10.3	12.9	10.3	12.9	12.9	10.3	12.9	15.5	7.7	10.3	10.3
110°	12.9	12.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	10.3	12.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.9	12.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2	10.3	12.9
115°	10.3	10.3	5.2	5.2	5.2	5.2	2.6	5.2	5.2	10.3	10.3
117.5°	10.3	10.3	5.2	2.6	2.6	2.6	2.6	5.2	5.2	10.3	12.9
120°	12.9	10.3	5.2	2.6	2.6	2.6	2.6	2.6	7.7	12.9	12.9
122.5°	12.9	12.9	5.2	2.6	2.6	2.6	2.6	2.6	7.7	12.9	15.5
125°	12.9	10.3	5.2	2.6	2.6	2.6	2.6	2.6	5.2	12.9	12.9
127.5°	10.3	10.3	5.2	2.6	2.6	2.6	2.6	2.6	5.2	10.3	12.9
130°	10.3	10.3	5.2	2.6	2.6	2.6	2.6	2.6	5.2	10.3	10.3
132.5°	7.7	7.7	5.2	2.6	2.6	0.0	2.6	2.6	5.2	7.7	7.7
135°	5.2	5.2	2.6	0.0	2.6	0.0	2.6	0.0	2.6	5.2	7.7
137.5°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
140°	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.6	0.0	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6
150°	2.6	2.6	5.2	2.6	2.6	0.0	2.6	2.6	0.0	0.0	2.6
152.5°	5.2	5.2	5.2	2.6	0.0	0.0	2.6	2.6	2.6	2.6	2.6
155°	2.6	2.6	2.6	0.0	0.0	0.0	0.0	2.6	2.6	5.2	5.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6	2.6
160°	0.0	0.0	0.0	0.0	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)