

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: P560880

Luminaire Tested: **SDL-PA1-70-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560880
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-PA1-70-730-U-5WQ-A
Description: Springdale
(1) 70 CRI, 3000K, 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: 7463.2 lumens
Efficiency: N/A
Efficacy: 103.4 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



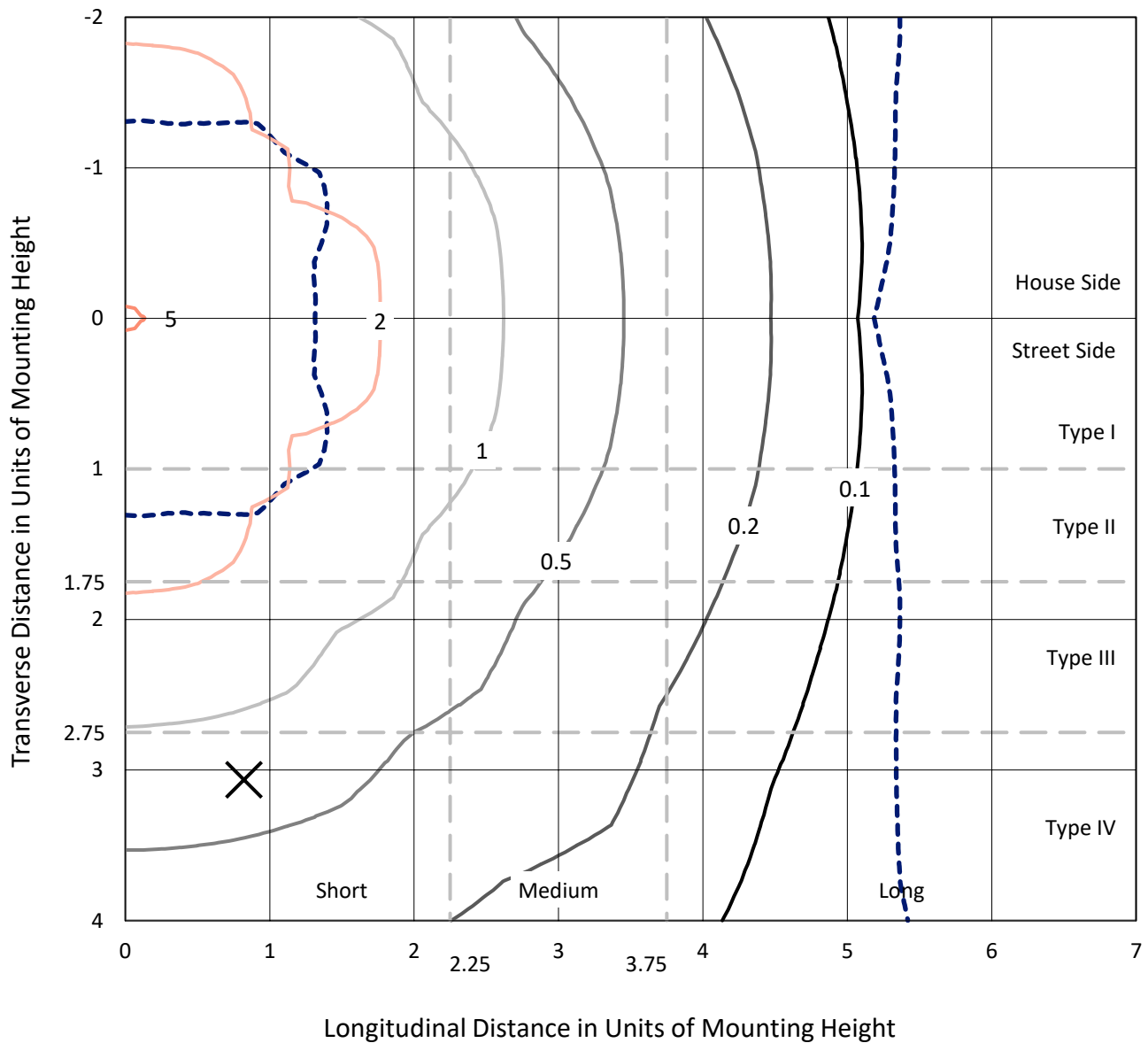
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



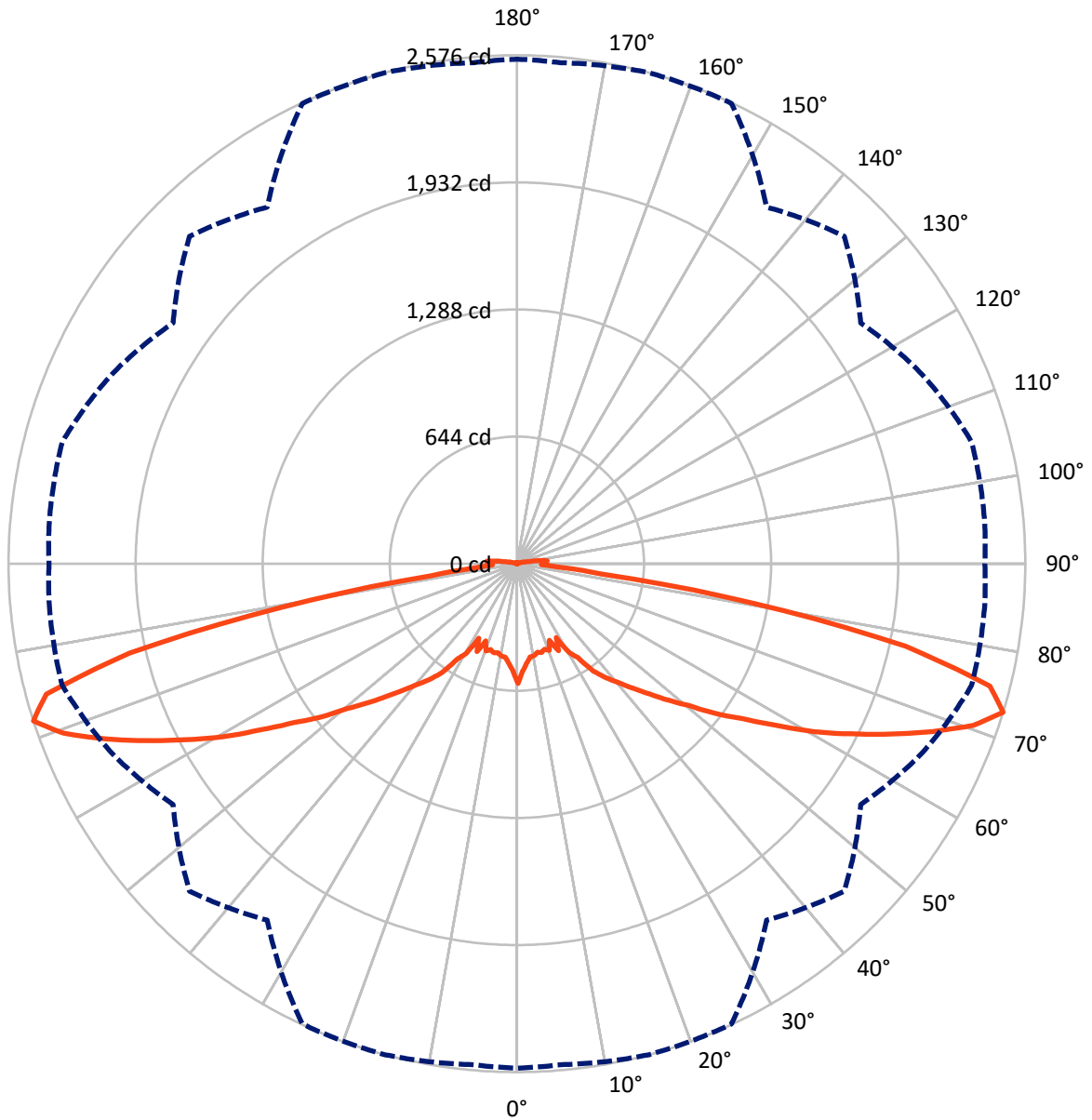
Based on 10 foot mounting height. Maximum calculated value = 6.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 15-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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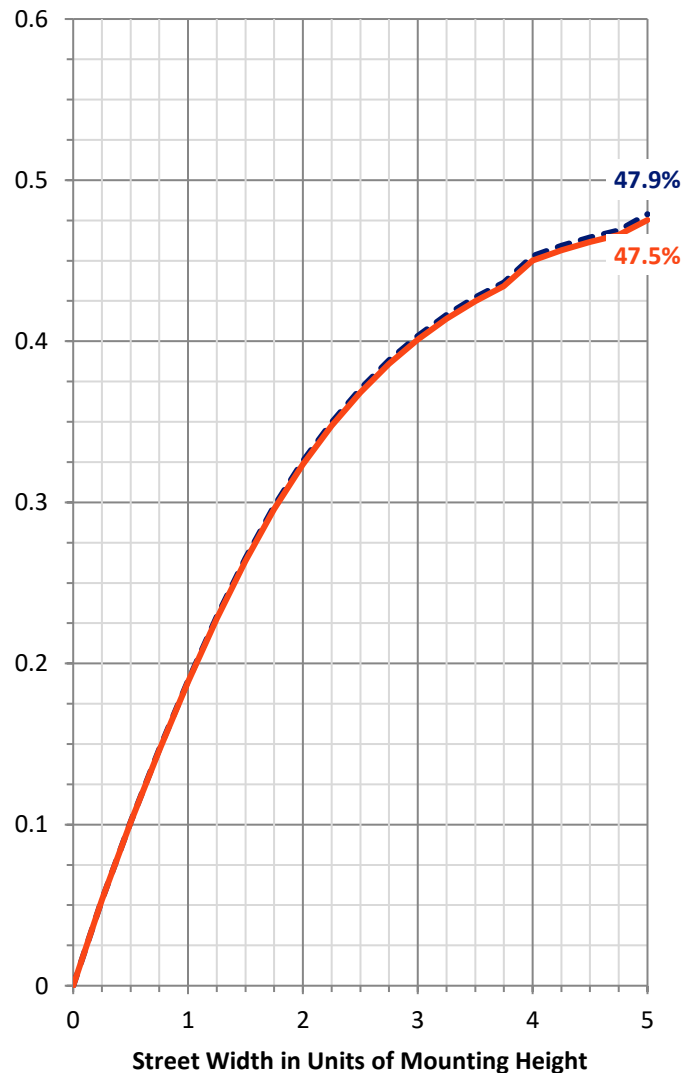
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3618.3	113.3	3731.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3618.3	113.3	3731.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	7236.7	226.5	7463.2
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.8	0.6
10°-20°	110.1	1.5
20°-30°	193.3	2.6
30°-40°	373.2	5.0
40°-50°	648.7	8.7
50°-60°	1143.1	15.3
60°-70°	1931.2	25.9
70°-80°	2270.3	30.4
80°-90°	518.9	7.0
90°-100°	171.2	2.3
100°-110°	40.3	0.5
110°-120°	6.5	0.1
120°-130°	5.2	0.1
130°-140°	2.1	0.0
140°-150°	0.4	0.0
150°-160°	0.8	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7236.7	97.0
0°-180°	7463.2	100.0



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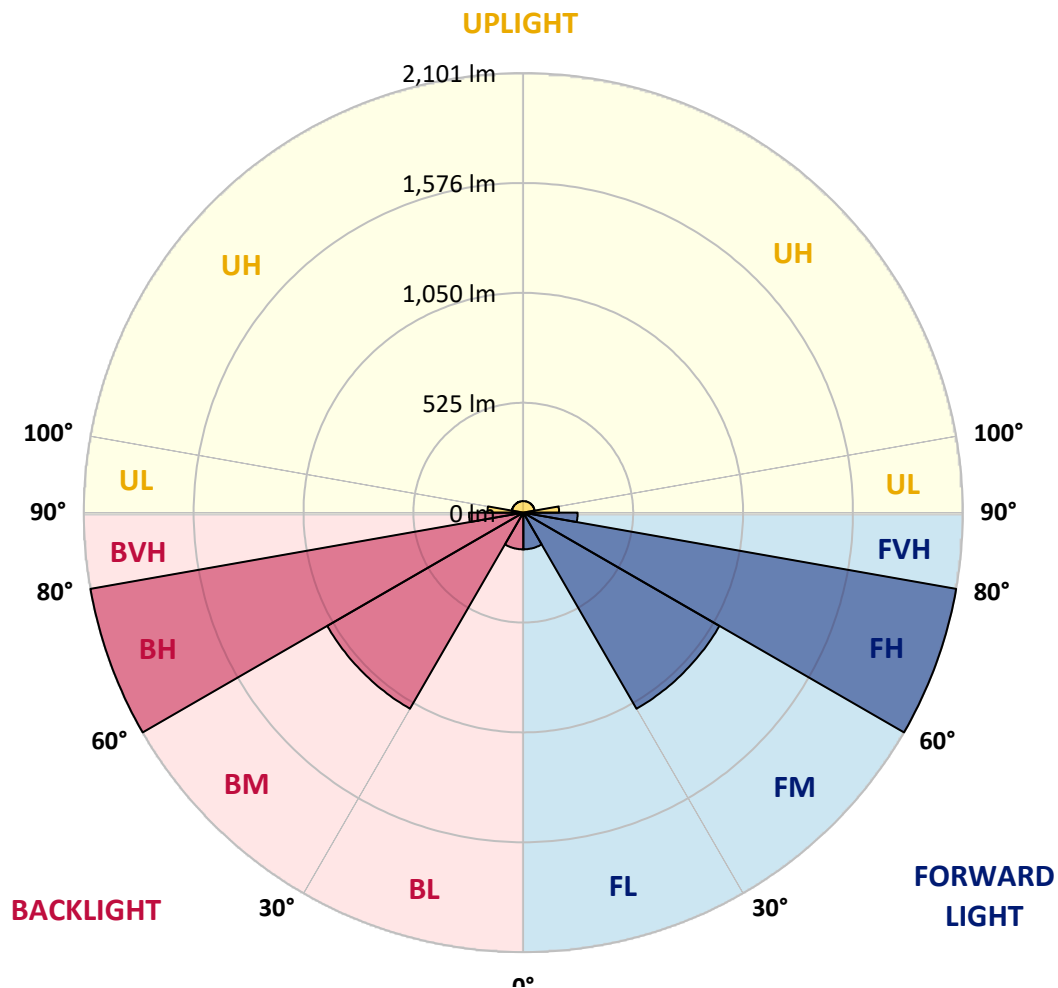
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	175.6	2.4			
FM	(30°-60°)	1082.5	14.5			
FH	(60°-80°)	2100.7	28.1			G2/5000
FVH	(80°-90°)	259.5	3.5			G3/500
BL	(0°-30°)	175.6	2.4	B1/500		
BM	(30°-60°)	1082.5	14.5	B2/2500		
BH	(60°-80°)	2100.7	28.1	B3/2500		G2/5000
BVH	(80°-90°)	259.5	3.5			G3/500
UL	(90°-100°)	171.2	2.3		U3/500	
UH	(100°-180°)	55.3	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°	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8	606.8
2.5°	536.6	547.8	545.0	564.7	581.5	587.2	598.4	598.4	601.2	601.2	601.2
5°	508.5	508.5	508.5	508.5	508.5	505.7	516.9	567.5	584.3	587.2	584.3
7.5°	441.1	455.1	477.6	486.0	494.4	491.6	486.0	455.1	502.9	508.5	511.3
10°	474.8	474.8	474.8	469.2	446.7	427.0	404.5	382.1	390.5	441.1	441.1
12.5°	421.4	418.6	460.7	466.3	424.2	370.8	354.0	362.4	337.1	384.9	384.9
15°	474.8	474.8	466.3	438.3	351.2	370.8	314.6	317.5	359.6	415.8	415.8
17.5°	404.5	407.4	455.1	427.0	382.1	297.8	348.4	314.6	323.1	354.0	356.8
20°	483.2	483.2	469.2	365.2	359.6	370.8	320.3	311.8	359.6	415.8	418.6
22.5°	415.8	415.8	421.4	424.2	370.8	365.2	320.3	362.4	339.9	339.9	379.3
25°	502.9	502.9	488.8	387.7	407.4	354.0	370.8	339.9	415.8	457.9	457.9
27.5°	441.1	441.1	424.2	441.1	393.3	421.4	370.8	401.7	446.7	539.4	545.0
30°	536.6	536.6	522.5	438.3	435.4	410.2	413.0	466.3	575.9	634.9	634.9
32.5°	651.8	654.6	567.5	502.9	441.1	472.0	449.5	531.0	601.2	663.0	665.8
35°	699.5	699.5	668.6	584.3	480.4	497.3	488.8	561.9	646.1	696.7	696.7
37.5°	755.7	755.7	733.2	626.5	528.2	550.6	511.3	604.0	696.7	741.7	736.0
40°	814.7	806.3	792.2	671.4	578.7	584.3	550.6	649.0	744.5	789.4	789.4
42.5°	887.7	887.7	862.5	747.3	629.3	637.7	587.2	705.1	814.7	868.1	870.9
45°	969.2	966.4	941.1	831.6	691.1	705.1	649.0	781.0	901.8	952.4	958.0
47.5°	1064.7	1064.7	1033.8	921.5	769.8	783.8	719.2	856.8	1008.6	1053.5	1059.1
50°	1165.9	1157.4	1129.4	1025.4	873.7	868.1	797.9	941.1	1120.9	1151.8	1163.1
52.5°	1283.9	1272.6	1261.4	1143.4	988.9	991.7	899.0	1031.0	1250.2	1267.0	1272.6
55°	1401.9	1393.4	1385.0	1289.5	1115.3	1132.2	1033.8	1154.6	1379.4	1390.6	1401.9
57.5°	1533.9	1542.3	1542.3	1452.4	1258.6	1300.7	1179.9	1309.1	1533.9	1525.5	1522.7
60°	1724.9	1708.1	1727.7	1646.3	1455.2	1488.9	1359.7	1497.4	1682.8	1649.1	1640.7
62.5°	1879.4	1876.6	1899.1	1862.6	1637.8	1722.1	1536.7	1677.2	1823.3	1795.2	1798.0
65°	2056.4	2053.6	2081.7	2064.9	1828.9	1935.6	1730.5	1879.4	1991.8	1960.9	1955.3
67.5°	2227.8	2236.2	2269.9	2292.4	1983.4	2121.0	1916.0	2070.5	2157.6	2107.0	2112.6
70°	2438.5	2424.5	2452.5	2455.4	2109.8	2255.9	2059.2	2191.3	2298.0	2264.3	2258.7
72.5°	2556.5	2548.1	2576.2	2573.3	2205.3	2345.8	2126.7	2267.1	2385.1	2379.5	2371.1
75°	2427.3	2438.5	2475.0	2525.6	2210.9	2396.4	2118.2	2216.6	2309.3	2278.4	2269.9
77.5°	1904.7	1927.2	2014.3	2177.2	2062.1	2376.7	1969.3	1944.1	1963.7	1927.2	1904.7
80°	1011.4	1031.0	1216.4	1494.6	1654.7	2064.9	1654.7	1413.1	1205.2	1056.3	929.9
82.5°	323.1	348.4	435.4	688.3	1045.1	1438.4	958.0	542.2	373.6	320.3	300.6
85°	177.0	182.6	196.7	266.9	368.0	581.5	390.5	230.4	202.3	193.8	191.0
87.5°	148.9	151.7	123.6	151.7	177.0	182.6	177.0	126.4	129.2	143.3	140.5
90°	157.3	157.3	126.4	148.9	177.0	179.8	177.0	132.0	129.2	151.7	148.9
92.5°	171.4	171.4	143.3	160.1	196.7	191.0	191.0	137.7	143.3	162.9	162.9
95°	182.6	179.8	154.5	162.9	207.9	213.5	207.9	146.1	154.5	177.0	177.0
97.5°	134.8	129.2	112.4	146.1	196.7	224.7	207.9	137.7	120.8	134.8	132.0
100°	64.6	61.8	59.0	109.6	154.5	171.4	148.9	98.3	53.4	33.7	33.7
102.5°	14.0	14.0	39.3	75.9	89.9	89.9	81.5	67.4	33.7	11.2	11.2
105°	11.2	14.0	28.1	42.1	44.9	25.3	39.3	42.1	19.7	11.2	11.2
107.5°	11.2	14.0	11.2	14.0	14.0	11.2	14.0	16.9	8.4	11.2	11.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.0	14.0	5.6	5.6	5.6	5.6	5.6	5.6	5.6	11.2	14.0
115°	11.2	11.2	5.6	5.6	5.6	5.6	2.8	5.6	5.6	11.2	11.2
117.5°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	5.6	5.6	11.2	14.0
120°	14.0	11.2	5.6	2.8	2.8	2.8	2.8	2.8	8.4	14.0	14.0
122.5°	14.0	14.0	5.6	2.8	2.8	2.8	2.8	2.8	8.4	14.0	16.9
125°	14.0	11.2	5.6	2.8	2.8	2.8	2.8	2.8	5.6	14.0	14.0
127.5°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	2.8	5.6	11.2	14.0
130°	11.2	11.2	5.6	2.8	2.8	2.8	2.8	2.8	5.6	11.2	11.2
132.5°	8.4	8.4	5.6	2.8	2.8	0.0	2.8	2.8	5.6	8.4	8.4
135°	5.6	5.6	2.8	0.0	2.8	0.0	2.8	0.0	2.8	5.6	8.4
137.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
140°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	2.8	0.0	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8
150°	2.8	2.8	5.6	2.8	2.8	0.0	2.8	2.8	0.0	0.0	2.8
152.5°	5.6	5.6	5.6	2.8	0.0	0.0	2.8	2.8	2.8	2.8	2.8
155°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	2.8	2.8	5.6	5.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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



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110° | 14.0 14.0 5.6 5.6 5.6 5.6 5.6 5.6 5.6 11.2 14.0

(END OF REPORT)