

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: P560638

Luminaire Tested: **SDL-PA1-50-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P560638
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-PA1-50-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 670mA 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: 4929.5 lumens
Efficiency: N/A
Efficacy: 94.1 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 - G2

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

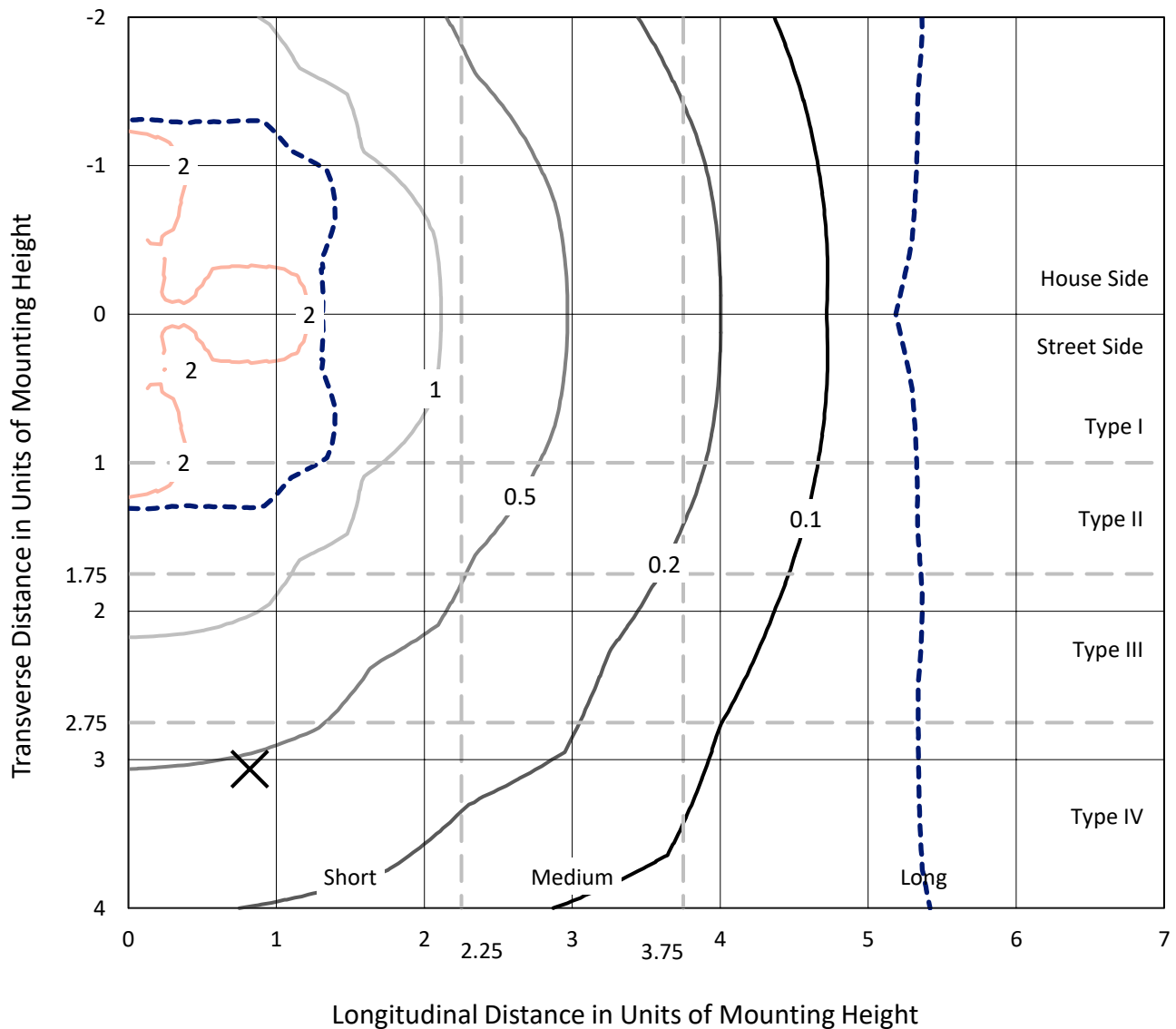


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

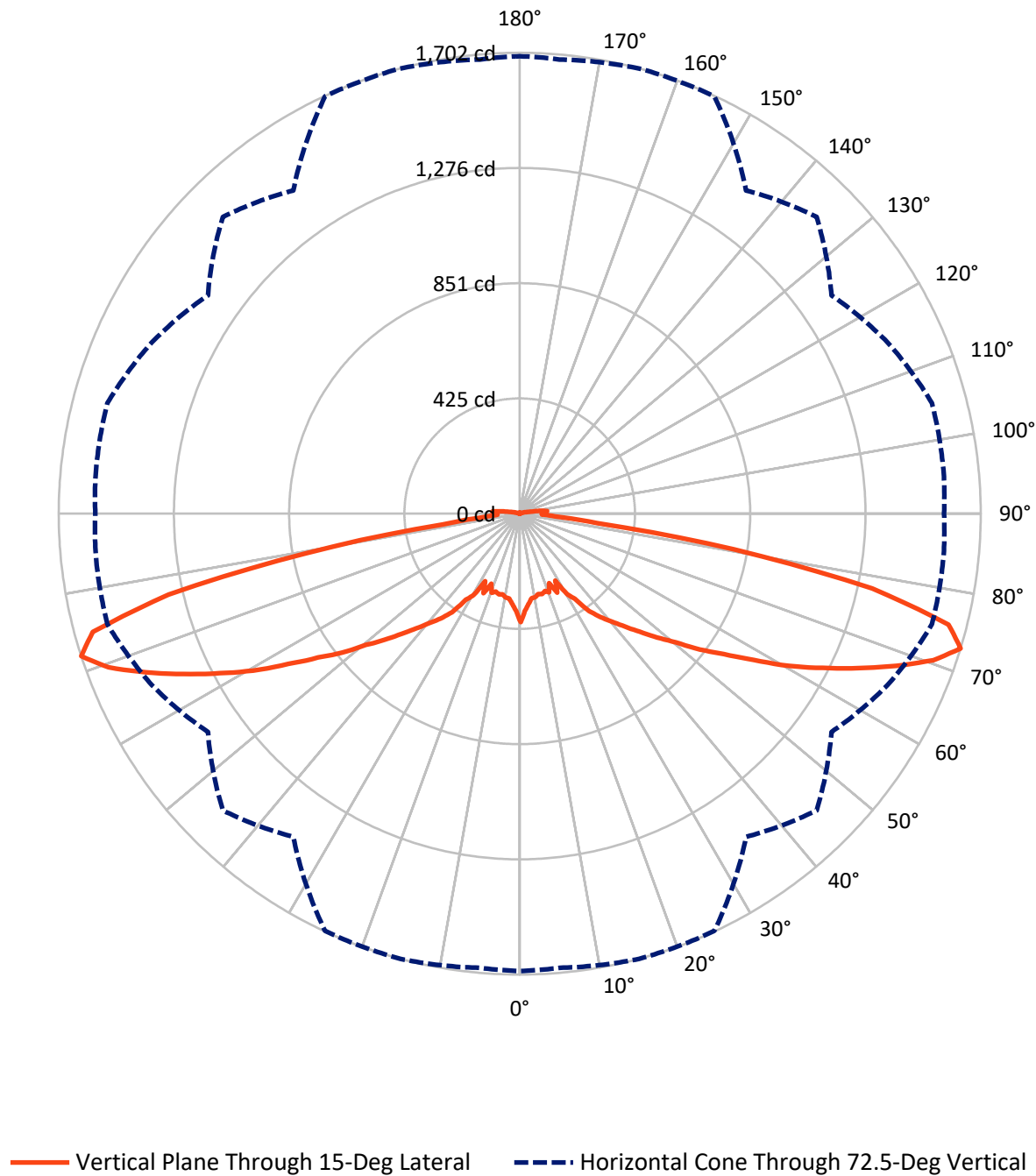


Based on 10 foot mounting height. Maximum calculated value = 4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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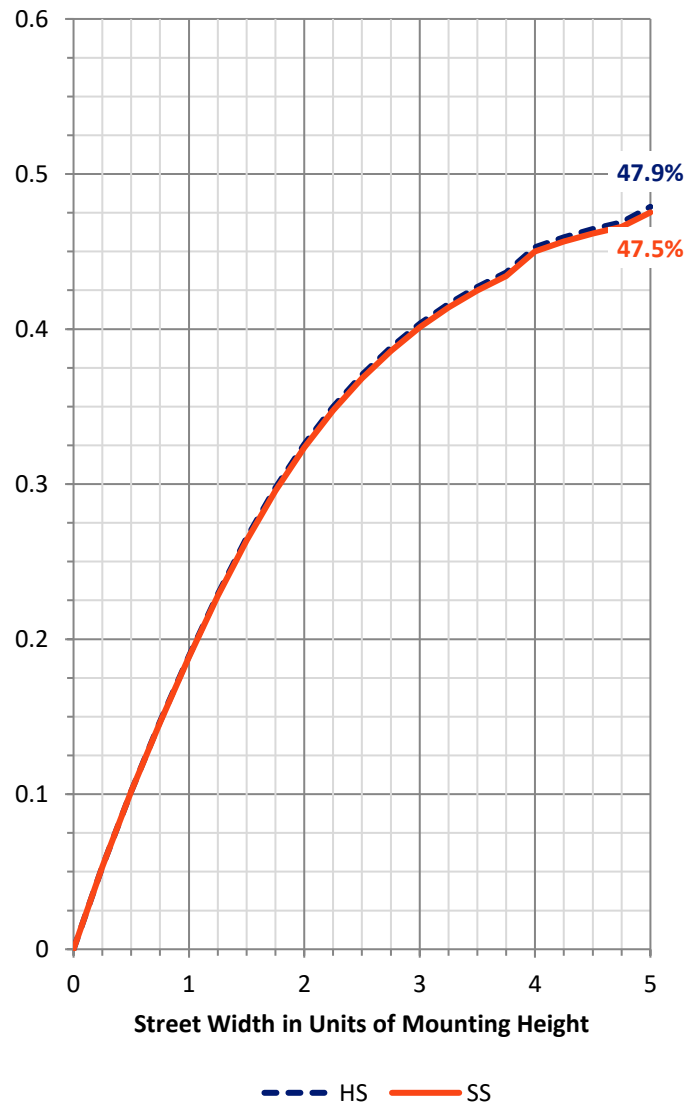
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2389.9	74.9	2464.8
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	2389.9	74.9	2464.8
	% Fixture	48.5	1.5	50.0
Total	Lumens	4779.8	149.7	4929.5
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.6	0.6
10°-20°	72.7	1.5
20°-30°	127.7	2.6
30°-40°	246.5	5.0
40°-50°	428.4	8.7
50°-60°	755.0	15.3
60°-70°	1275.6	25.9
70°-80°	1499.5	30.4
80°-90°	342.7	7.0
90°-100°	113.1	2.3
100°-110°	26.7	0.5
110°-120°	4.3	0.1
120°-130°	3.4	0.1
130°-140°	1.4	0.0
140°-150°	0.3	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	4779.8	97.0
0°-180°	4929.5	100.0



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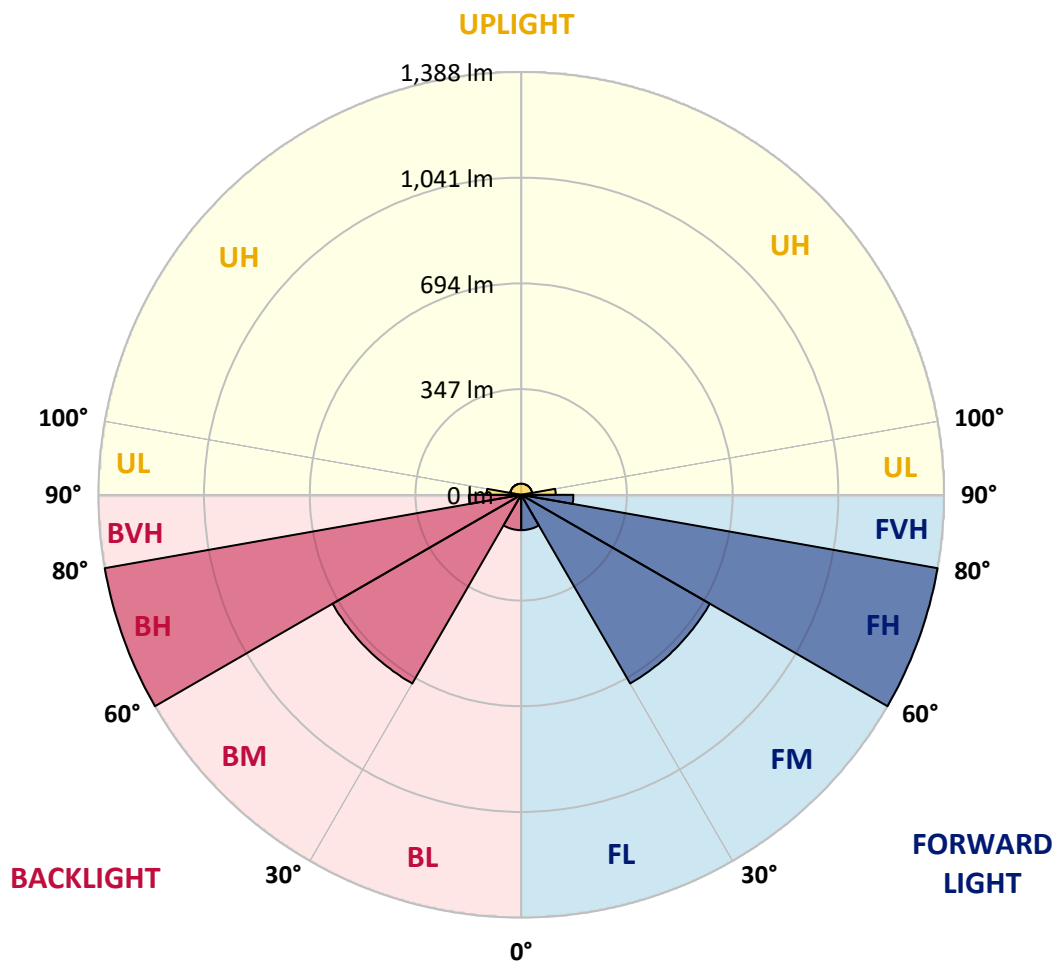
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.0	2.4			
FM	(30°-60°)	715.0	14.5			
FH	(60°-80°)	1387.5	28.1			G1/1800
FVH	(80°-90°)	171.4	3.5			G2/225
BL	(0°-30°)	116.0	2.4	B1/500		
BM	(30°-60°)	715.0	14.5	B1/1000		
BH	(60°-80°)	1387.5	28.1	B3/2500		G1/1800
BVH	(80°-90°)	171.4	3.5			G2/225
UL	(90°-100°)	113.1	2.3		U3/500	
UH	(100°-180°)	36.6	0.7		U2/50	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8	400.8
2.5°	354.4	361.8	360.0	373.0	384.1	387.8	395.2	395.2	397.1	397.1	397.1
5°	335.9	335.9	335.9	335.9	335.9	334.0	341.4	374.8	386.0	387.8	386.0
7.5°	291.3	300.6	315.4	321.0	326.6	324.7	321.0	300.6	332.1	335.9	337.7
10°	313.6	313.6	313.6	309.9	295.0	282.0	267.2	252.4	257.9	291.3	291.3
12.5°	278.3	276.5	304.3	308.0	280.2	244.9	233.8	239.4	222.7	254.2	254.2
15°	313.6	313.6	308.0	289.5	231.9	244.9	207.8	209.7	237.5	274.6	274.6
17.5°	267.2	269.1	300.6	282.0	252.4	196.7	230.1	207.8	213.4	233.8	235.7
20°	319.2	319.2	309.9	241.2	237.5	244.9	211.5	206.0	237.5	274.6	276.5
22.5°	274.6	274.6	278.3	280.2	244.9	241.2	211.5	239.4	224.5	224.5	250.5
25°	332.1	332.1	322.9	256.1	269.1	233.8	244.9	224.5	274.6	302.5	302.5
27.5°	291.3	291.3	280.2	291.3	259.8	278.3	244.9	265.3	295.0	356.3	360.0
30°	354.4	354.4	345.1	289.5	287.6	270.9	272.8	308.0	380.4	419.4	419.4
32.5°	430.5	432.3	374.8	332.1	291.3	311.7	296.9	350.7	397.1	437.9	439.8
35°	462.0	462.0	441.6	386.0	317.3	328.4	322.9	371.1	426.8	460.2	460.2
37.5°	499.1	499.1	484.3	413.8	348.8	363.7	337.7	398.9	460.2	489.9	486.2
40°	538.1	532.5	523.3	443.5	382.2	386.0	363.7	428.6	491.7	521.4	521.4
42.5°	586.4	586.4	569.7	493.6	415.6	421.2	387.8	465.7	538.1	573.4	575.2
45°	640.2	638.3	621.6	549.2	456.5	465.7	428.6	515.8	595.6	629.0	632.7
47.5°	703.3	703.3	682.8	608.6	508.4	517.7	475.0	565.9	666.1	695.8	699.5
50°	770.1	764.5	745.9	677.3	577.1	573.4	527.0	621.6	740.4	760.8	768.2
52.5°	848.0	840.6	833.1	755.2	653.2	655.0	593.8	681.0	825.7	836.9	840.6
55°	925.9	920.4	914.8	851.7	736.7	747.8	682.8	762.6	911.1	918.5	925.9
57.5°	1013.1	1018.7	1018.7	959.3	831.3	859.1	779.3	864.7	1013.1	1007.6	1005.7
60°	1139.3	1128.2	1141.2	1087.4	961.2	983.4	898.1	989.0	1111.5	1089.2	1083.6
62.5°	1241.4	1239.5	1254.4	1230.2	1081.8	1137.5	1015.0	1107.8	1204.3	1185.7	1187.6
65°	1358.3	1356.4	1375.0	1363.8	1208.0	1278.5	1143.0	1241.4	1315.6	1295.2	1291.5
67.5°	1471.5	1477.0	1499.3	1514.1	1310.0	1400.9	1265.5	1367.5	1425.1	1391.7	1395.4
70°	1610.6	1601.3	1619.9	1621.8	1393.5	1490.0	1360.1	1447.3	1517.8	1495.6	1491.9
72.5°	1688.6	1683.0	1701.5	1699.7	1456.6	1549.4	1404.7	1497.4	1575.4	1571.7	1566.1
75°	1603.2	1610.6	1634.7	1668.1	1460.3	1582.8	1399.1	1464.0	1525.3	1504.9	1499.3
77.5°	1258.1	1272.9	1330.4	1438.1	1362.0	1569.8	1300.7	1284.0	1297.0	1272.9	1258.1
80°	668.0	681.0	803.5	987.2	1092.9	1363.8	1092.9	933.3	796.0	697.7	614.2
82.5°	213.4	230.1	287.6	454.6	690.3	950.0	632.7	358.1	246.8	211.5	198.5
85°	116.9	120.6	129.9	176.3	243.1	384.1	257.9	152.2	133.6	128.0	126.2
87.5°	98.3	100.2	81.6	100.2	116.9	120.6	116.9	83.5	85.4	94.6	92.8
90°	103.9	103.9	83.5	98.3	116.9	118.8	116.9	87.2	85.4	100.2	98.3
92.5°	113.2	113.2	94.6	105.8	129.9	126.2	126.2	90.9	94.6	107.6	107.6
95°	120.6	118.8	102.1	107.6	137.3	141.0	137.3	96.5	102.1	116.9	116.9
97.5°	89.1	85.4	74.2	96.5	129.9	148.4	137.3	90.9	79.8	89.1	87.2
100°	42.7	40.8	39.0	72.4	102.1	113.2	98.3	64.9	35.3	22.3	22.3
102.5°	9.3	9.3	26.0	50.1	59.4	59.4	53.8	44.5	22.3	7.4	7.4
105°	7.4	9.3	18.6	27.8	29.7	16.7	26.0	27.8	13.0	7.4	7.4
107.5°	7.4	9.3	7.4	9.3	9.3	7.4	9.3	11.1	5.6	7.4	7.4
110°	9.3	9.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	9.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.3	9.3	3.7	3.7	3.7	3.7	3.7	3.7	3.7	7.4	9.3
115°	7.4	7.4	3.7	3.7	3.7	3.7	1.9	3.7	3.7	7.4	7.4
117.5°	7.4	7.4	3.7	1.9	1.9	1.9	1.9	3.7	3.7	7.4	9.3
120°	9.3	7.4	3.7	1.9	1.9	1.9	1.9	1.9	5.6	9.3	9.3
122.5°	9.3	9.3	3.7	1.9	1.9	1.9	1.9	1.9	5.6	9.3	11.1
125°	9.3	7.4	3.7	1.9	1.9	1.9	1.9	1.9	3.7	9.3	9.3
127.5°	7.4	7.4	3.7	1.9	1.9	1.9	1.9	1.9	3.7	7.4	9.3
130°	7.4	7.4	3.7	1.9	1.9	1.9	1.9	1.9	3.7	7.4	7.4
132.5°	5.6	5.6	3.7	1.9	1.9	0.0	1.9	1.9	3.7	5.6	5.6
135°	3.7	3.7	1.9	0.0	1.9	0.0	1.9	0.0	1.9	3.7	5.6
137.5°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
140°	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
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	1.9	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	1.9	0.0	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9
150°	1.9	1.9	3.7	1.9	1.9	0.0	1.9	1.9	0.0	0.0	1.9
152.5°	3.7	3.7	3.7	1.9	0.0	0.0	1.9	1.9	1.9	1.9	1.9
155°	1.9	1.9	1.9	0.0	0.0	0.0	0.0	1.9	1.9	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9	1.9
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)