

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: P559934

Luminaire Tested: **SDL-PA1-100-830-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559934
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-PA1-100-830-U-5WQ-A
Description: Springdale
(1) 80 CRI, 3000K, 1200mA 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: 7906.4 lumens
Efficiency: N/A
Efficacy: 84.3 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): 93.8
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

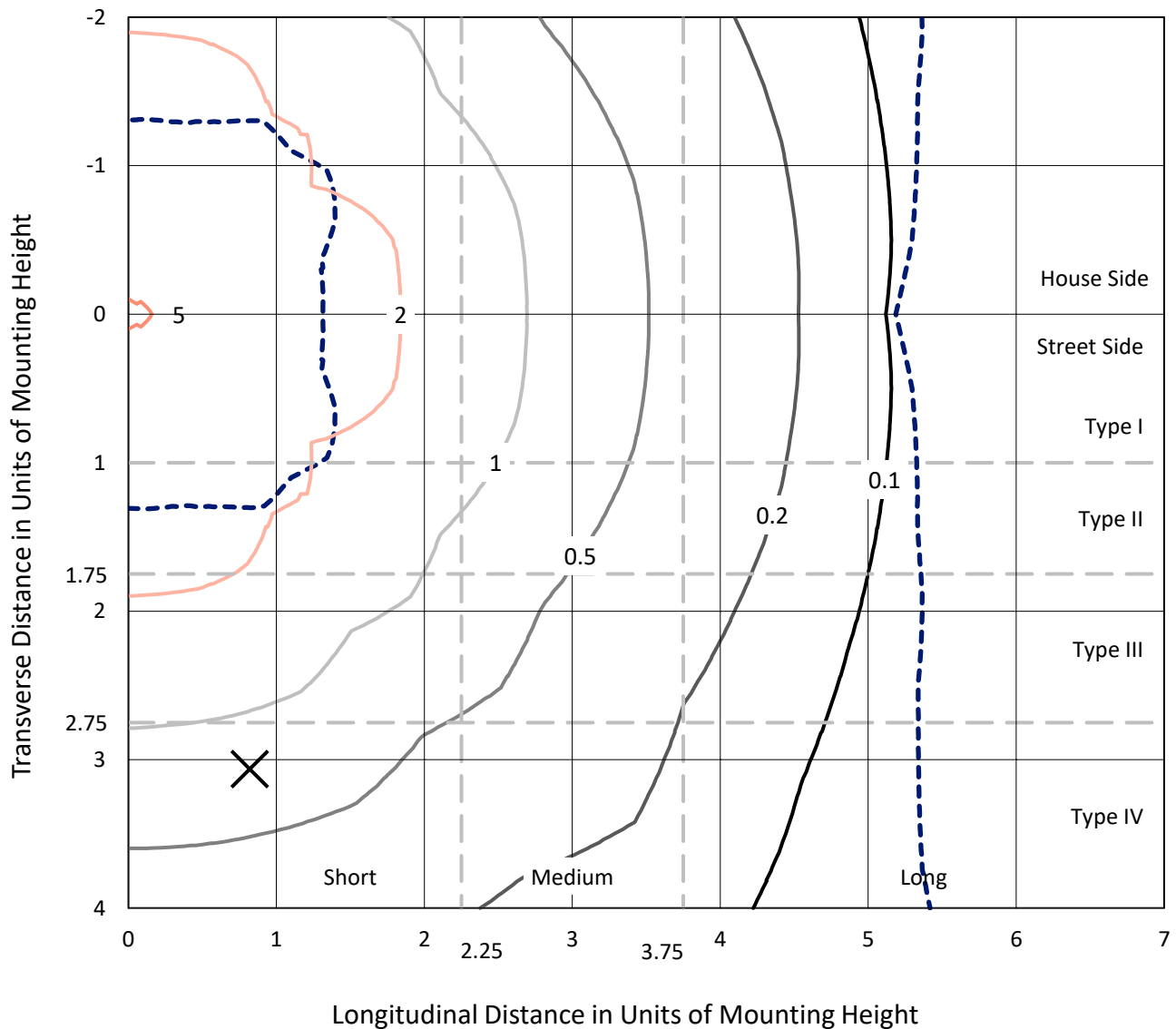


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

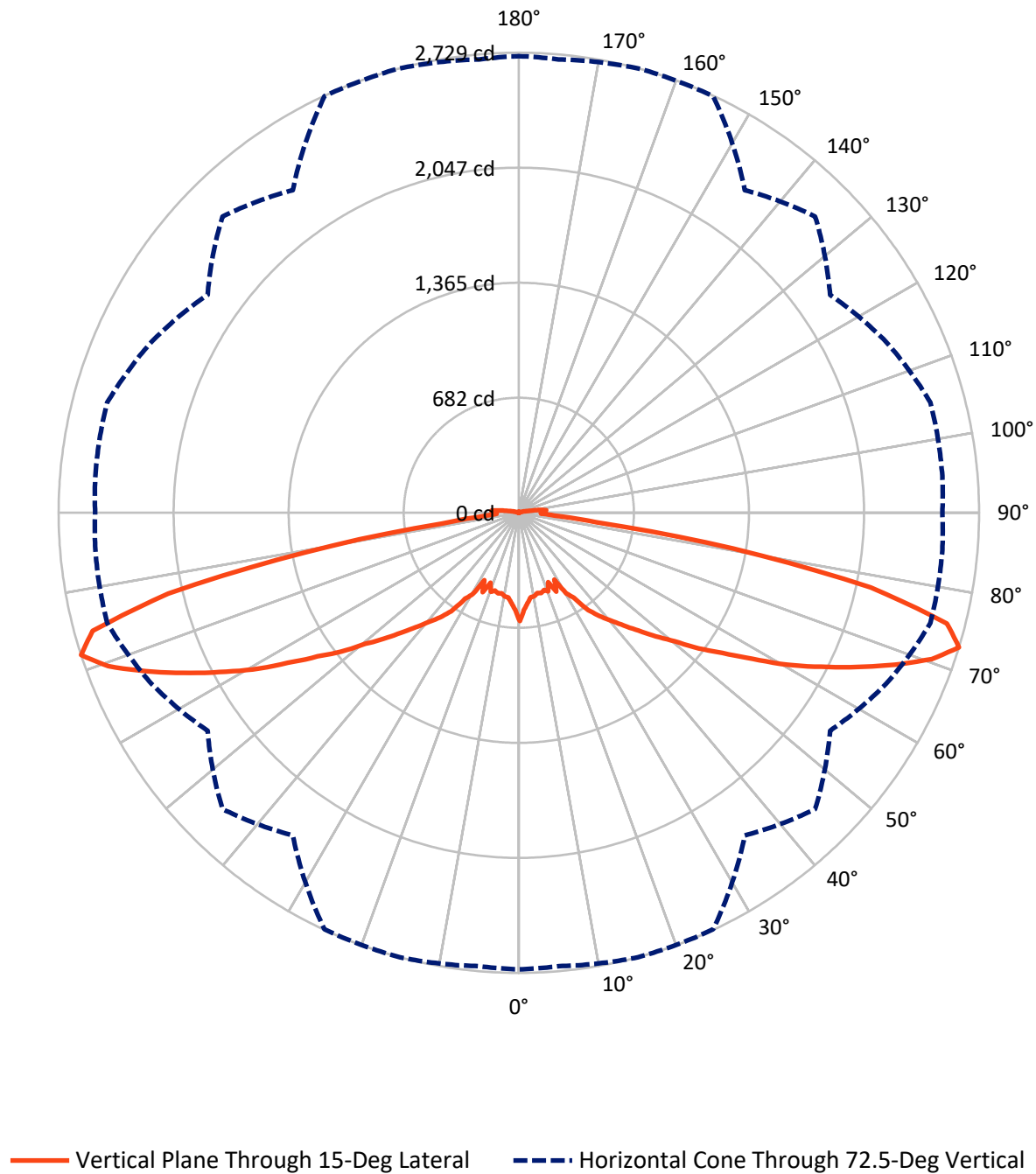


Based on 10 foot mounting height. Maximum calculated value = 6.4 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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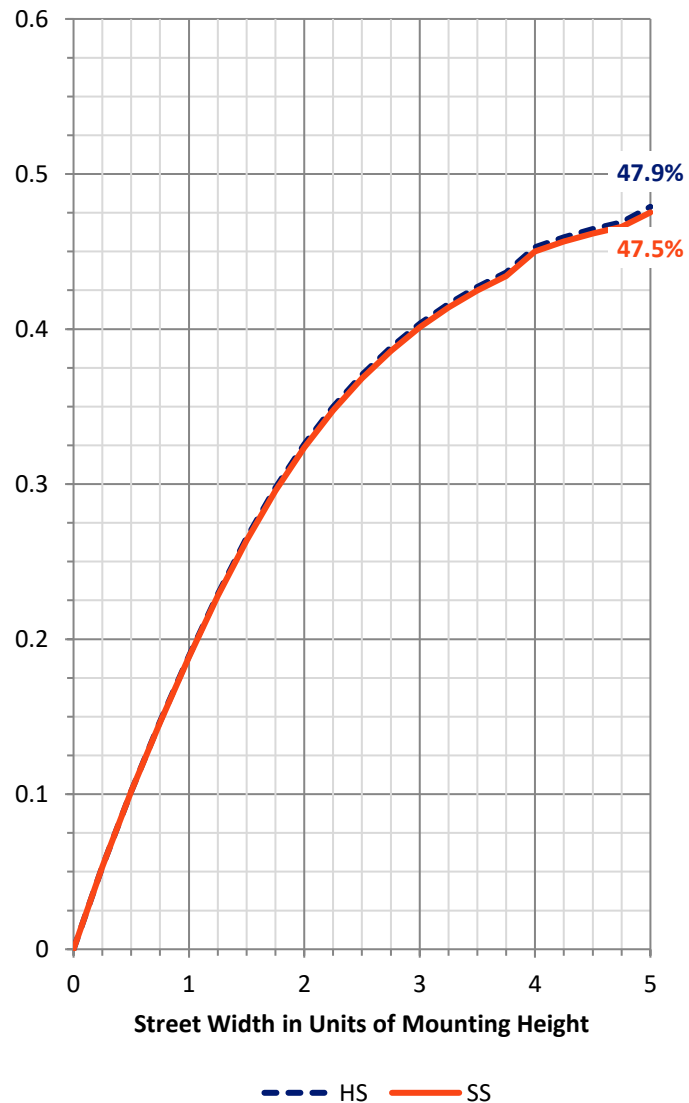
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3833.1	120.1	3953.2
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	3833.1	120.1	3953.2
	% Fixture	48.5	1.5	50.0
Total	Lumens	7666.3	240.1	7906.4
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	50.7	0.6
10°-20°	116.6	1.5
20°-30°	204.8	2.6
30°-40°	395.4	5.0
40°-50°	687.2	8.7
50°-60°	1211.0	15.3
60°-70°	2045.9	25.9
70°-80°	2405.0	30.4
80°-90°	549.7	7.0
90°-100°	181.4	2.3
100°-110°	42.8	0.5
110°-120°	6.9	0.1
120°-130°	5.5	0.1
130°-140°	2.3	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°	7666.3	97.0
0°-180°	7906.4	100.0



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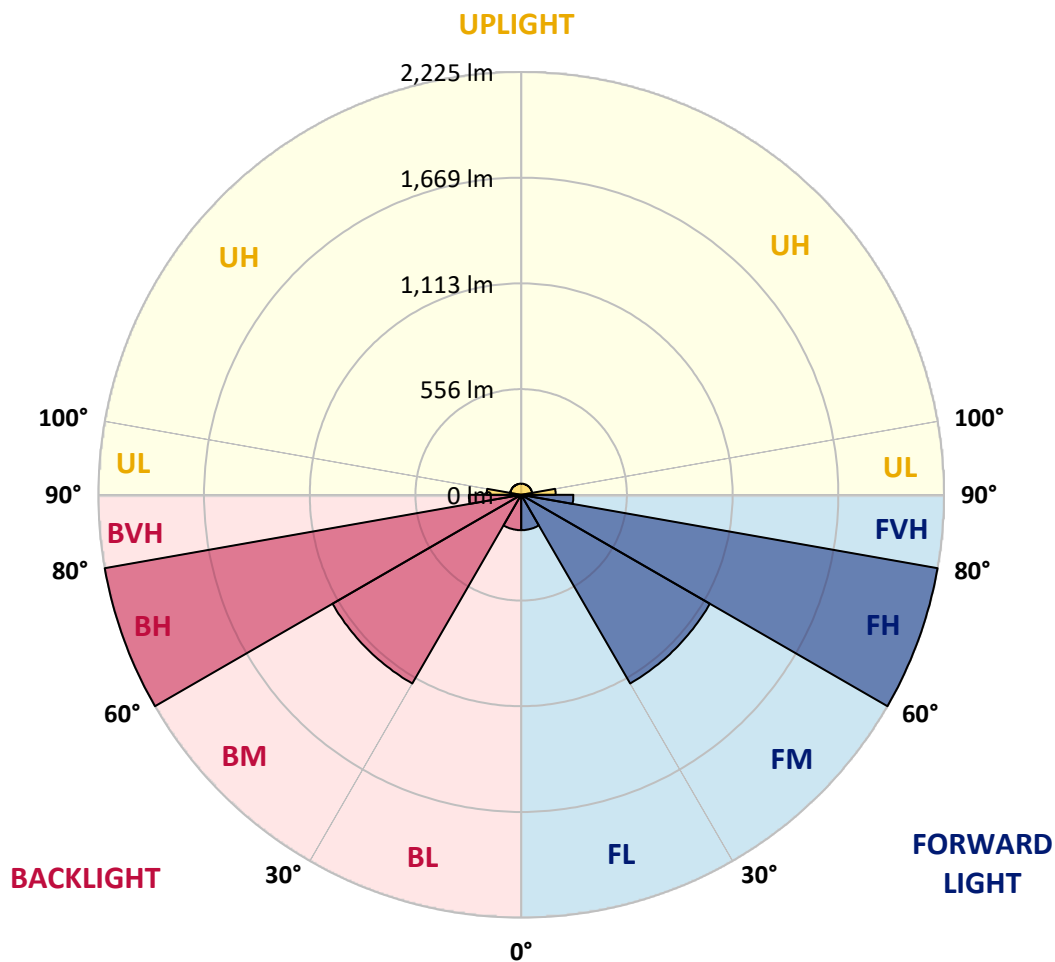
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	186.1	2.4			
FM	(30°-60°)	1146.8	14.5			
FH	(60°-80°)	2225.4	28.1			G2/5000
FVH	(80°-90°)	274.9	3.5			G3/500
BL	(0°-30°)	186.1	2.4	B1/500		
BM	(30°-60°)	1146.8	14.5	B2/2500		
BH	(60°-80°)	2225.4	28.1	B3/2500		G2/5000
BVH	(80°-90°)	274.9	3.5			G3/500
UL	(90°-100°)	181.4	2.3		U3/500	
UH	(100°-180°)	58.7	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°	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8	642.8
2.5°	568.4	580.3	577.4	598.2	616.1	622.0	633.9	633.9	636.9	636.9	636.9
5°	538.7	538.7	538.7	538.7	538.7	535.7	547.6	601.2	619.0	622.0	619.0
7.5°	467.2	482.1	505.9	514.9	523.8	520.8	514.9	482.1	532.7	538.7	541.6
10°	503.0	503.0	503.0	497.0	473.2	452.4	428.6	404.7	413.7	467.2	467.2
12.5°	446.4	443.4	488.1	494.0	449.4	392.8	375.0	383.9	357.1	407.7	407.7
15°	503.0	503.0	494.0	464.3	372.0	392.8	333.3	336.3	380.9	440.5	440.5
17.5°	428.6	431.5	482.1	452.4	404.7	315.5	369.0	333.3	342.3	375.0	378.0
20°	511.9	511.9	497.0	386.9	380.9	392.8	339.3	330.3	380.9	440.5	443.4
22.5°	440.5	440.5	446.4	449.4	392.8	386.9	339.3	383.9	360.1	360.1	401.8
25°	532.7	532.7	517.8	410.7	431.5	375.0	392.8	360.1	440.5	485.1	485.1
27.5°	467.2	467.2	449.4	467.2	416.7	446.4	392.8	425.6	473.2	571.4	577.4
30°	568.4	568.4	553.6	464.3	461.3	434.5	437.5	494.0	610.1	672.6	672.6
32.5°	690.5	693.4	601.2	532.7	467.2	500.0	476.2	562.5	636.9	702.4	705.3
35°	741.0	741.0	708.3	619.0	508.9	526.8	517.8	595.2	684.5	738.1	738.1
37.5°	800.6	800.6	776.8	663.7	559.5	583.3	541.6	639.9	738.1	785.7	779.7
40°	863.1	854.1	839.3	711.3	613.1	619.0	583.3	687.5	788.7	836.3	836.3
42.5°	940.4	940.4	913.7	791.6	666.6	675.6	622.0	747.0	863.1	919.6	922.6
45°	1026.8	1023.8	997.0	880.9	732.1	747.0	687.5	827.4	955.3	1008.9	1014.8
47.5°	1127.9	1127.9	1095.2	976.2	815.5	830.3	761.9	907.7	1068.4	1116.0	1122.0
50°	1235.1	1226.2	1196.4	1086.3	925.6	919.6	845.2	997.0	1187.5	1220.2	1232.1
52.5°	1360.1	1348.2	1336.3	1211.3	1047.6	1050.6	952.4	1092.2	1324.4	1342.2	1348.2
55°	1485.1	1476.1	1467.2	1366.0	1181.5	1199.4	1095.2	1223.2	1461.3	1473.2	1485.1
57.5°	1624.9	1633.9	1633.9	1538.6	1333.3	1377.9	1250.0	1386.9	1624.9	1616.0	1613.0
60°	1827.3	1809.5	1830.3	1744.0	1541.6	1577.3	1440.4	1586.3	1782.7	1747.0	1738.0
62.5°	1991.0	1988.0	2011.8	1973.2	1735.1	1824.3	1627.9	1776.7	1931.5	1901.7	1904.7
65°	2178.5	2175.5	2205.3	2187.4	1937.4	2050.5	1833.3	1991.0	2110.1	2077.3	2071.4
67.5°	2360.0	2369.0	2404.7	2428.5	2101.1	2247.0	2029.7	2193.4	2285.6	2232.1	2238.0
70°	2583.3	2568.4	2598.1	2601.1	2235.0	2389.8	2181.5	2321.4	2434.4	2398.7	2392.8
72.5°	2708.2	2699.3	2729.1	2726.1	2336.2	2485.0	2252.9	2401.7	2526.7	2520.8	2511.8
75°	2571.3	2583.3	2621.9	2675.5	2342.2	2538.6	2244.0	2348.1	2446.4	2413.6	2404.7
77.5°	2017.8	2041.6	2133.9	2306.5	2184.5	2517.8	2086.2	2059.5	2080.3	2041.6	2017.8
80°	1071.4	1092.2	1288.6	1583.3	1752.9	2187.4	1752.9	1497.0	1276.7	1119.0	985.1
82.5°	342.3	369.0	461.3	729.1	1107.1	1523.8	1014.8	574.4	395.8	339.3	318.4
85°	187.5	193.4	208.3	282.7	389.9	616.1	413.7	244.0	214.3	205.4	202.4
87.5°	157.7	160.7	130.9	160.7	187.5	193.4	187.5	133.9	136.9	151.8	148.8
90°	166.7	166.7	133.9	157.7	187.5	190.5	187.5	139.9	136.9	160.7	157.7
92.5°	181.5	181.5	151.8	169.6	208.3	202.4	202.4	145.8	151.8	172.6	172.6
95°	193.4	190.5	163.7	172.6	220.2	226.2	220.2	154.8	163.7	187.5	187.5
97.5°	142.9	136.9	119.0	154.8	208.3	238.1	220.2	145.8	128.0	142.9	139.9
100°	68.5	65.5	62.5	116.1	163.7	181.5	157.7	104.2	56.5	35.7	35.7
102.5°	14.9	14.9	41.7	80.4	95.2	95.2	86.3	71.4	35.7	11.9	11.9
105°	11.9	14.9	29.8	44.6	47.6	26.8	41.7	44.6	20.8	11.9	11.9
107.5°	11.9	14.9	11.9	14.9	14.9	11.9	14.9	17.9	8.9	11.9	11.9
110°	14.9	14.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	11.9	14.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.9	14.9	6.0	6.0	6.0	6.0	6.0	6.0	6.0	11.9	14.9
115°	11.9	11.9	6.0	6.0	6.0	6.0	3.0	6.0	6.0	11.9	11.9
117.5°	11.9	11.9	6.0	3.0	3.0	3.0	3.0	6.0	6.0	11.9	14.9
120°	14.9	11.9	6.0	3.0	3.0	3.0	3.0	3.0	8.9	14.9	14.9
122.5°	14.9	14.9	6.0	3.0	3.0	3.0	3.0	3.0	8.9	14.9	17.9
125°	14.9	11.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	14.9	14.9
127.5°	11.9	11.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	11.9	14.9
130°	11.9	11.9	6.0	3.0	3.0	3.0	3.0	3.0	6.0	11.9	11.9
132.5°	8.9	8.9	6.0	3.0	3.0	0.0	3.0	3.0	6.0	8.9	8.9
135°	6.0	6.0	3.0	0.0	3.0	0.0	3.0	0.0	3.0	6.0	8.9
137.5°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
140°	0.0	3.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0
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	3.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.0	0.0	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0
150°	3.0	3.0	6.0	3.0	3.0	0.0	3.0	3.0	0.0	0.0	3.0
152.5°	6.0	6.0	6.0	3.0	0.0	0.0	3.0	3.0	3.0	3.0	3.0
155°	3.0	3.0	3.0	0.0	0.0	0.0	0.0	3.0	3.0	6.0	6.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.0	3.0
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)