

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: P559824

Luminaire Tested: **SDL-PA1-100-730-U-5WQ-A**

Issue Date: 7/26/2021

Test Information

Test Method: LM-79-08
Report Number: P559824
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-PA1-100-730-U-5WQ-A
Description: Springdale
(1) 70 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: 9061.1 lumens
Efficiency: N/A
Efficacy: 96.6 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: B4 - 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

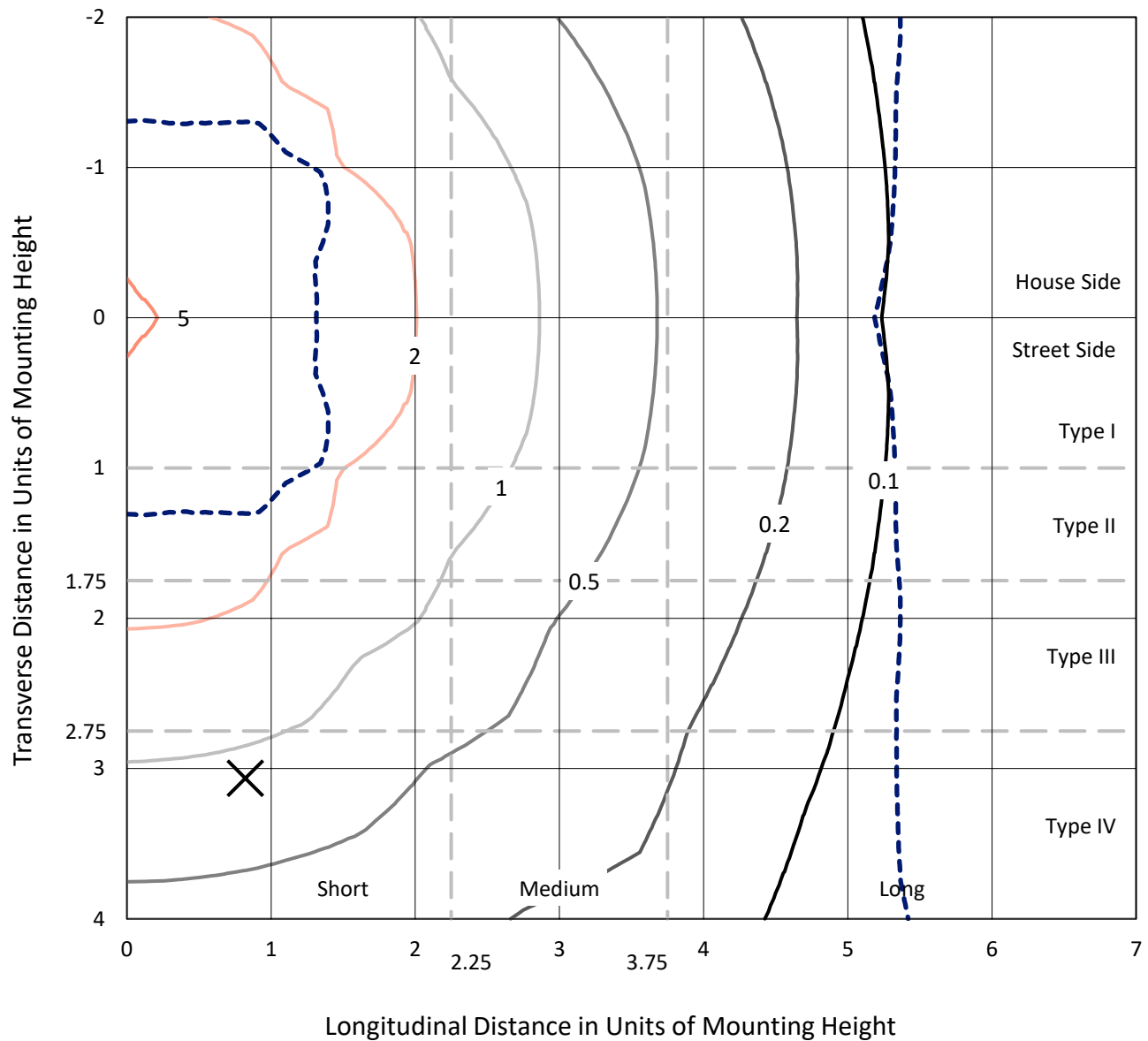


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

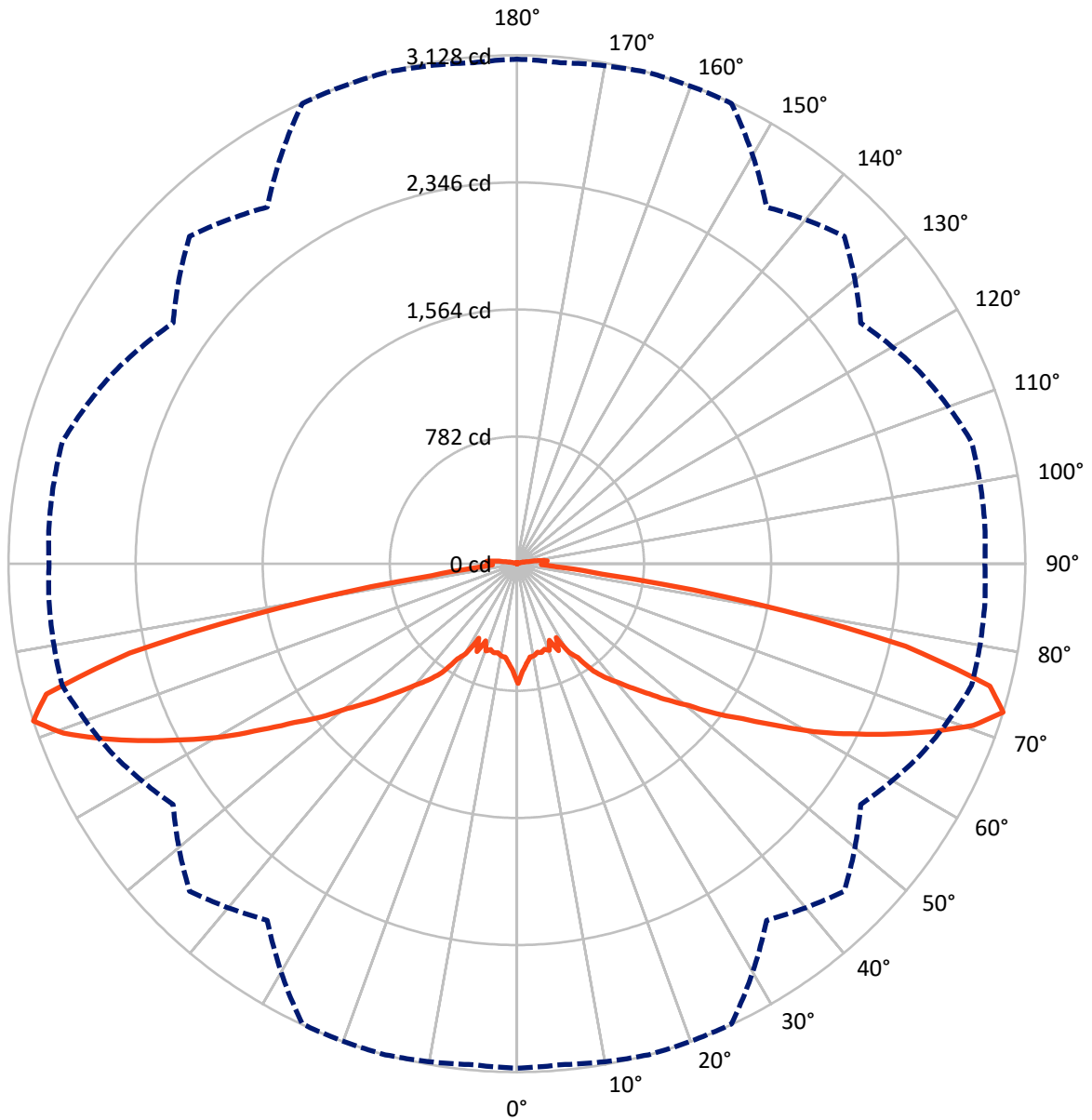


Based on 10 foot mounting height. Maximum calculated value = 7.4 fc
 Type V - Short - N/A

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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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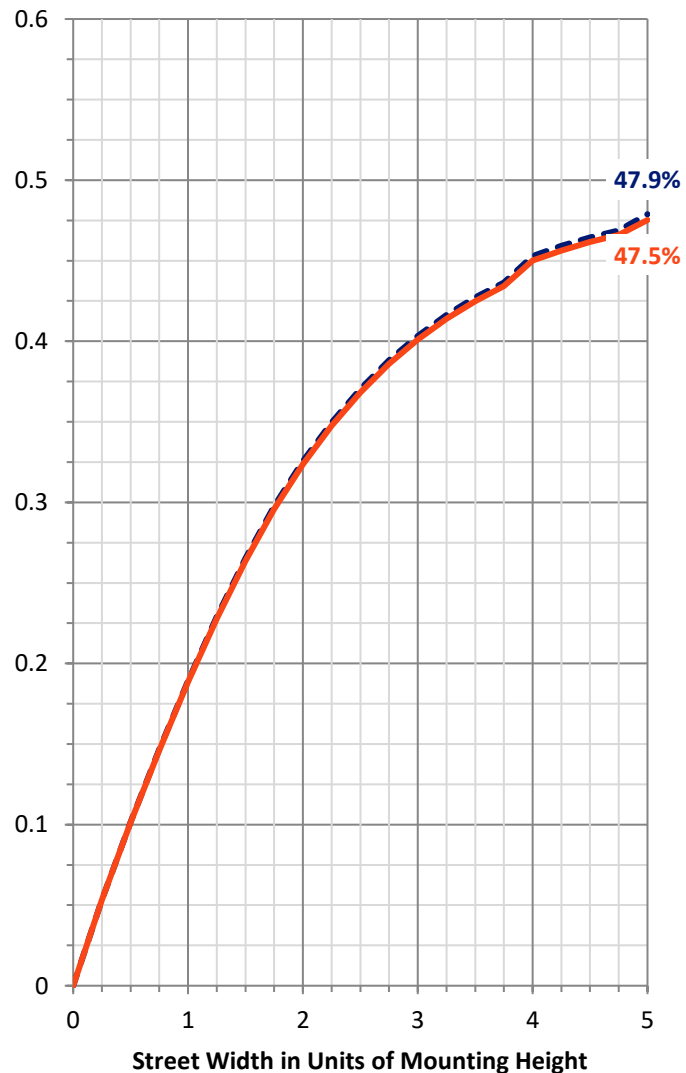
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4393.0	137.5	4530.6
	% Fixture	48.5	1.5	50.0
Street Side	Lumens	4393.0	137.5	4530.6
	% Fixture	48.5	1.5	50.0
Total	Lumens	8786.0	275.1	9061.1
	% Fixture	97.0	3.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.1	0.6
10°-20°	133.7	1.5
20°-30°	234.7	2.6
30°-40°	453.1	5.0
40°-50°	787.6	8.7
50°-60°	1387.8	15.3
60°-70°	2344.7	25.9
70°-80°	2756.3	30.4
80°-90°	630.0	7.0
90°-100°	207.9	2.3
100°-110°	49.0	0.5
110°-120°	7.9	0.1
120°-130°	6.3	0.1
130°-140°	2.6	0.0
140°-150°	0.5	0.0
150°-160°	0.9	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	8786.0	97.0
0°-180°	9061.1	100.0



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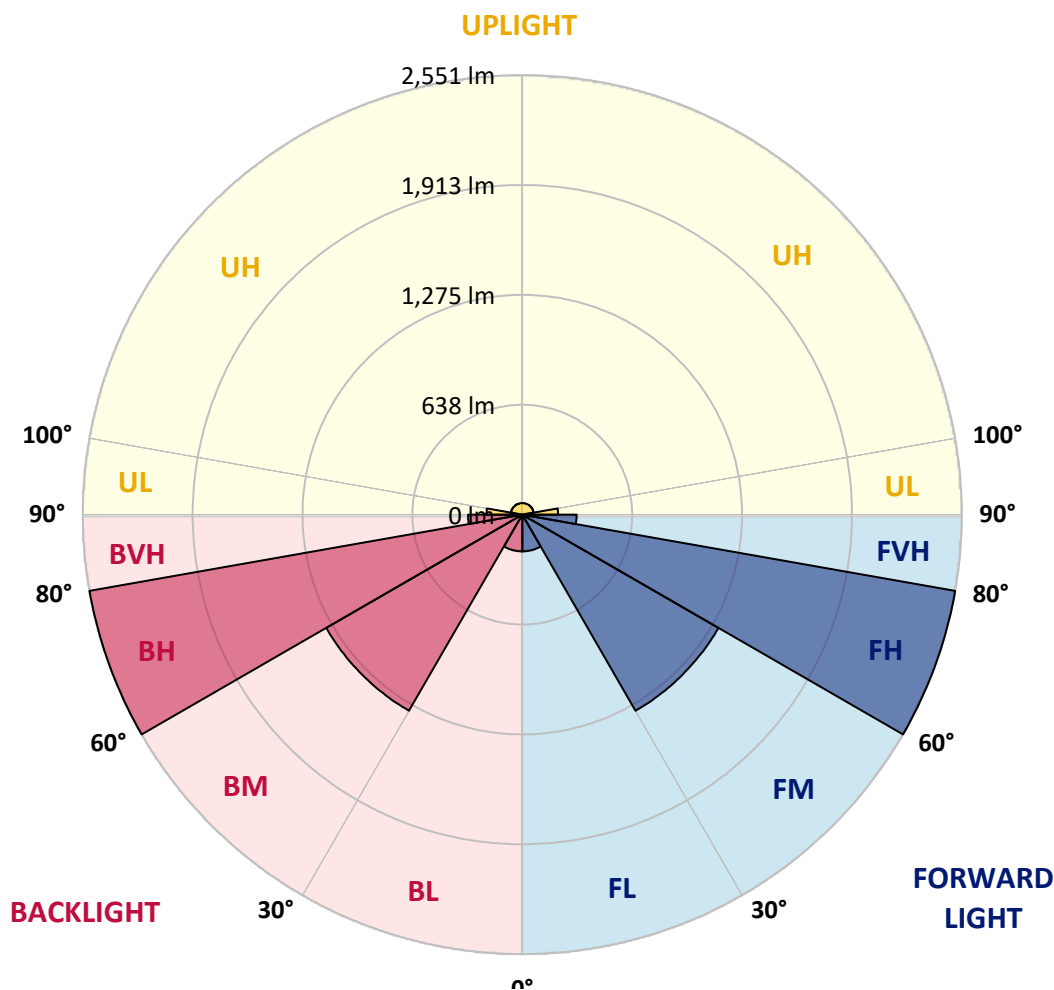
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	213.2	2.4			
FM	(30°-60°)	1314.3	14.5			
FH	(60°-80°)	2550.5	28.1			G2/5000
FVH	(80°-90°)	315.0	3.5			G3/500
BL	(0°-30°)	213.2	2.4	B1/500		
BM	(30°-60°)	1314.3	14.5	B2/2500		
BH	(60°-80°)	2550.5	28.1	B4/5000		G2/5000
BVH	(80°-90°)	315.0	3.5			G3/500
UL	(90°-100°)	207.9	2.3		U3/500	
UH	(100°-180°)	67.2	0.7		U3/500	

BUG Rating: B4-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7	736.7
2.5°	651.5	665.1	661.7	685.6	706.0	712.9	726.5	726.5	729.9	729.9	729.9
5°	617.4	617.4	617.4	617.4	617.4	613.9	627.6	689.0	709.4	712.9	709.4
7.5°	535.5	552.6	579.8	590.1	600.3	596.9	590.1	552.6	610.5	617.4	620.8
10°	576.4	576.4	576.4	569.6	542.3	518.4	491.2	463.9	474.1	535.5	535.5
12.5°	511.6	508.2	559.4	566.2	515.0	450.2	429.8	440.0	409.3	467.3	467.3
15°	576.4	576.4	566.2	532.1	426.4	450.2	382.0	385.4	436.6	504.8	504.8
17.5°	491.2	494.6	552.6	518.4	463.9	361.5	422.9	382.0	392.2	429.8	433.2
20°	586.7	586.7	569.6	443.4	436.6	450.2	388.8	378.6	436.6	504.8	508.2
22.5°	504.8	504.8	511.6	515.0	450.2	443.4	388.8	440.0	412.7	412.7	460.5
25°	610.5	610.5	593.5	470.7	494.6	429.8	450.2	412.7	504.8	556.0	556.0
27.5°	535.5	535.5	515.0	535.5	477.5	511.6	450.2	487.7	542.3	654.9	661.7
30°	651.5	651.5	634.4	532.1	528.7	498.0	501.4	566.2	699.2	770.8	770.8
32.5°	791.3	794.7	689.0	610.5	535.5	573.0	545.7	644.6	729.9	805.0	808.4
35°	849.3	849.3	811.8	709.4	583.2	603.7	593.5	682.2	784.5	845.9	845.9
37.5°	917.5	917.5	890.2	760.6	641.2	668.5	620.8	733.3	845.9	900.5	893.6
40°	989.1	978.9	961.8	815.2	702.6	709.4	668.5	787.9	903.9	958.4	958.4
42.5°	1077.8	1077.8	1047.1	907.3	764.0	774.3	712.9	856.1	989.1	1053.9	1057.4
45°	1176.7	1173.3	1142.6	1009.6	839.1	856.1	787.9	948.2	1094.9	1156.3	1163.1
47.5°	1292.7	1292.7	1255.2	1118.7	934.6	951.6	873.2	1040.3	1224.5	1279.1	1285.9
50°	1415.5	1405.3	1371.1	1244.9	1060.8	1053.9	968.7	1142.6	1360.9	1398.4	1412.1
52.5°	1558.7	1545.1	1531.5	1388.2	1200.6	1204.0	1091.5	1251.8	1517.8	1538.3	1545.1
55°	1702.0	1691.8	1681.5	1565.6	1354.1	1374.6	1255.2	1401.8	1674.7	1688.3	1702.0
57.5°	1862.3	1872.5	1872.5	1763.4	1528.0	1579.2	1432.5	1589.4	1862.3	1852.1	1848.7
60°	2094.2	2073.8	2097.6	1998.7	1766.8	1807.7	1650.8	1818.0	2043.1	2002.1	1991.9
62.5°	2281.8	2278.4	2305.7	2261.4	1988.5	2090.8	1865.7	2036.3	2213.6	2179.5	2182.9
65°	2496.7	2493.3	2527.4	2506.9	2220.4	2350.0	2101.1	2281.8	2418.3	2380.7	2373.9
67.5°	2704.8	2715.0	2755.9	2783.2	2408.0	2575.2	2326.2	2513.8	2619.5	2558.1	2564.9
70°	2960.6	2943.5	2977.6	2981.0	2561.5	2738.9	2500.1	2660.4	2790.0	2749.1	2742.3
72.5°	3103.8	3093.6	3127.7	3124.3	2677.5	2848.0	2582.0	2752.5	2895.8	2889.0	2878.7
75°	2946.9	2960.6	3004.9	3066.3	2684.3	2909.4	2571.7	2691.1	2803.7	2766.2	2755.9
77.5°	2312.5	2339.8	2445.5	2643.4	2503.5	2885.5	2391.0	2360.3	2384.2	2339.8	2312.5
80°	1227.9	1251.8	1476.9	1814.5	2009.0	2506.9	2009.0	1715.6	1463.2	1282.5	1129.0
82.5°	392.2	422.9	528.7	835.6	1268.8	1746.3	1163.1	658.3	453.6	388.8	365.0
85°	214.9	221.7	238.8	324.0	446.8	706.0	474.1	279.7	245.6	235.3	231.9
87.5°	180.8	184.2	150.1	184.2	214.9	221.7	214.9	153.5	156.9	174.0	170.5
90°	191.0	191.0	153.5	180.8	214.9	218.3	214.9	160.3	156.9	184.2	180.8
92.5°	208.1	208.1	174.0	194.4	238.8	231.9	231.9	167.1	174.0	197.8	197.8
95°	221.7	218.3	187.6	197.8	252.4	259.2	252.4	177.4	187.6	214.9	214.9
97.5°	163.7	156.9	136.4	177.4	238.8	272.9	252.4	167.1	146.7	163.7	160.3
100°	78.4	75.0	71.6	133.0	187.6	208.1	180.8	119.4	64.8	40.9	40.9
102.5°	17.1	17.1	47.8	92.1	109.1	109.1	98.9	81.9	40.9	13.6	13.6
105°	13.6	17.1	34.1	51.2	54.6	30.7	47.8	51.2	23.9	13.6	13.6
107.5°	13.6	17.1	13.6	17.1	17.1	13.6	17.1	20.5	10.2	13.6	13.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	17.1	17.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.6	17.1
115°	13.6	13.6	6.8	6.8	6.8	6.8	3.4	6.8	6.8	13.6	13.6
117.5°	13.6	13.6	6.8	3.4	3.4	3.4	3.4	6.8	6.8	13.6	17.1
120°	17.1	13.6	6.8	3.4	3.4	3.4	3.4	3.4	10.2	17.1	17.1
122.5°	17.1	17.1	6.8	3.4	3.4	3.4	3.4	3.4	10.2	17.1	20.5
125°	17.1	13.6	6.8	3.4	3.4	3.4	3.4	3.4	6.8	17.1	17.1
127.5°	13.6	13.6	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.6	17.1
130°	13.6	13.6	6.8	3.4	3.4	3.4	3.4	3.4	6.8	13.6	13.6
132.5°	10.2	10.2	6.8	3.4	3.4	0.0	3.4	3.4	6.8	10.2	10.2
135°	6.8	6.8	3.4	0.0	3.4	0.0	3.4	0.0	3.4	6.8	10.2
137.5°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
140°	0.0	3.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	3.4	0.0	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4
150°	3.4	3.4	6.8	3.4	3.4	0.0	3.4	3.4	0.0	0.0	3.4
152.5°	6.8	6.8	6.8	3.4	0.0	0.0	3.4	3.4	3.4	3.4	3.4
155°	3.4	3.4	3.4	0.0	0.0	0.0	0.0	3.4	3.4	6.8	6.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4	3.4
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



Report Generated By 670245982



--- HS --- SS



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110°	17.1	17.1	6.8	6.8	6.8	6.8	6.8	6.8	6.8	13.6	17.1
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