

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: P413981

Luminaire Tested: **LXF.LXT-PA1-100-827-U-5WQ-CL**

Issue Date: 10/26/2020

Test Information

Test Method: LM-79-08
Report Number: P413981
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1907-433-11)
Test Lab: INNOVATION CENTER
Issue Date: 10/26/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: LXF.LXT-PA1-100-827-U-5WQ-CL
Description: DECORATIVE POST TOP LUMINAIRE
(1) 80 CRI, 2700K, 1200mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS AND CLEAR LENS PANELS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7575.9 lumens
Efficiency: N/A
Efficacy: 78.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.17' x L: 1.17' x H: 0.83')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): 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: 28.75 FT

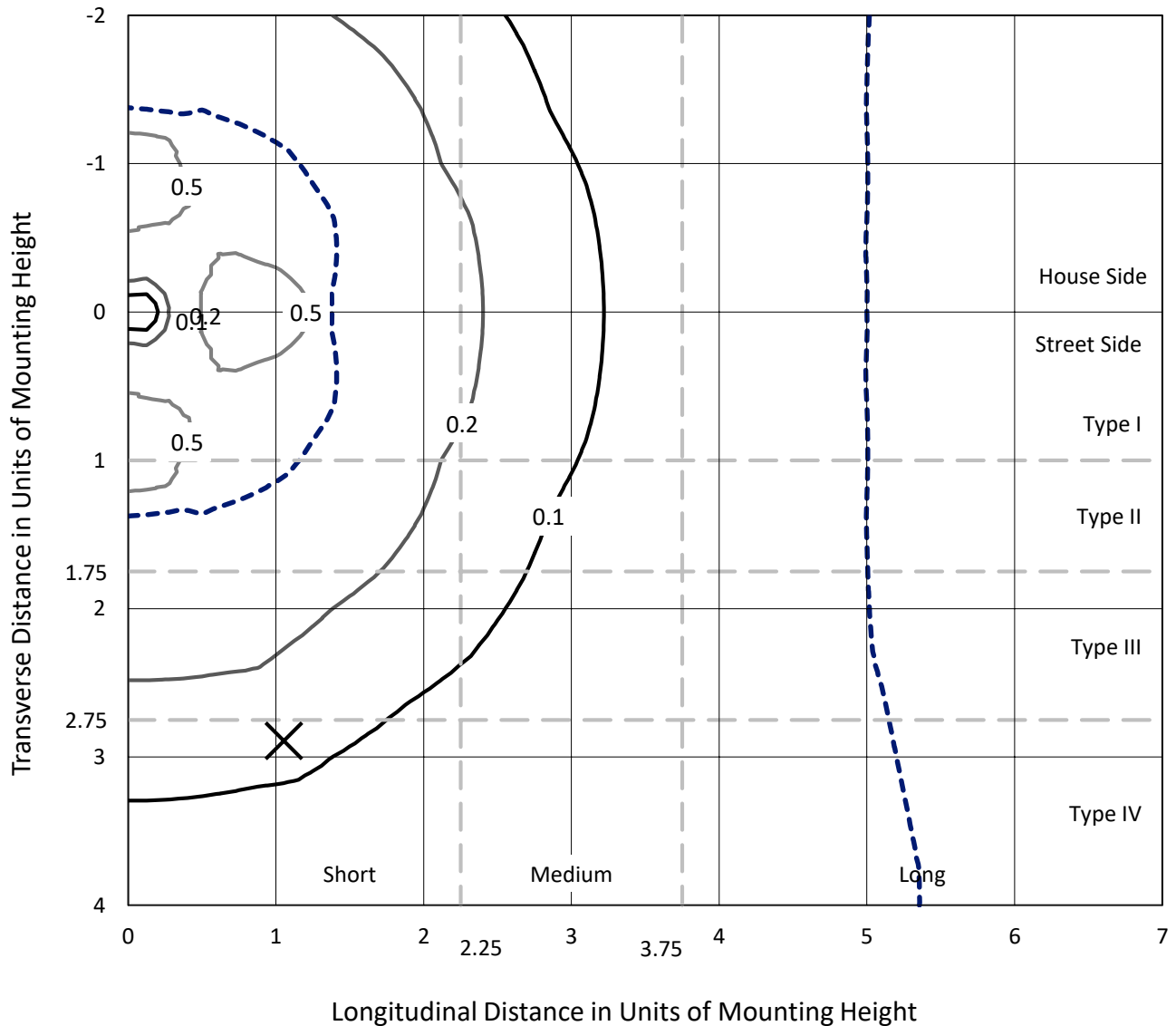


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Iso-Footcandle Lines of Horizontal Illumination

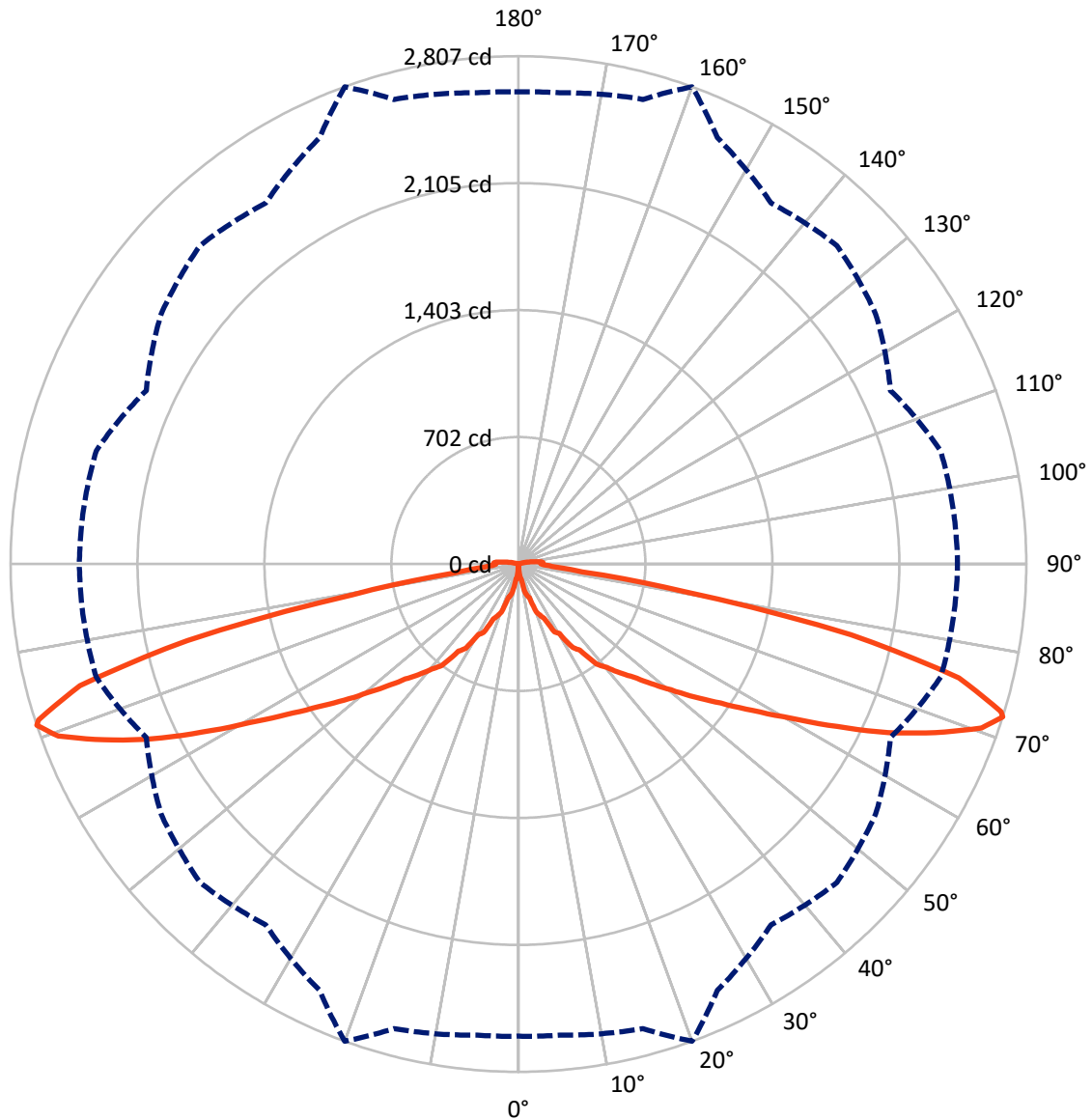
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 20-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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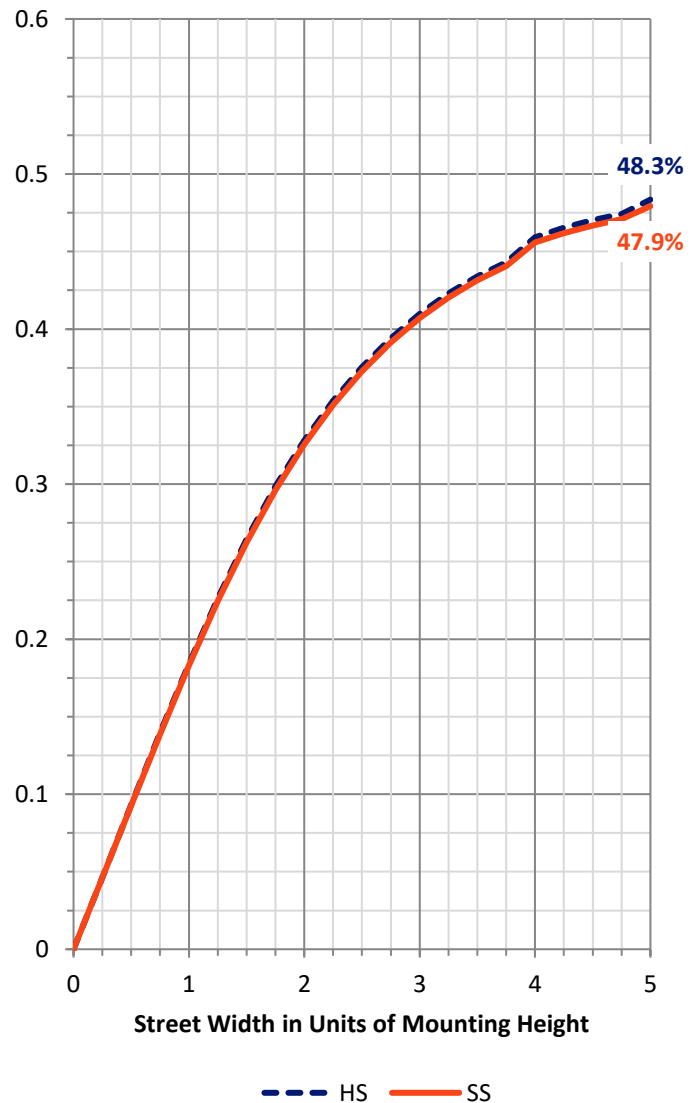
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3700.0	88.0	3788.0
	% Fixture	48.8	1.2	50.0
Street Side	Lumens	3700.0	88.0	3788.0
	% Fixture	48.8	1.2	50.0
Total	Lumens	7399.9	176.0	7575.9
	% Fixture	97.7	2.3	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.9	0.0
10°-20°	41.5	0.5
20°-30°	164.2	2.2
30°-40°	380.0	5.0
40°-50°	691.6	9.1
50°-60°	1226.3	16.2
60°-70°	2074.5	27.4
70°-80°	2305.0	30.4
80°-90°	513.9	6.8
90°-100°	143.0	1.9
100°-110°	21.1	0.3
110°-120°	4.9	0.1
120°-130°	3.0	0.0
130°-140°	1.9	0.0
140°-150°	1.6	0.0
150°-160°	0.5	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7399.9	97.7
0°-180°	7575.9	100.0



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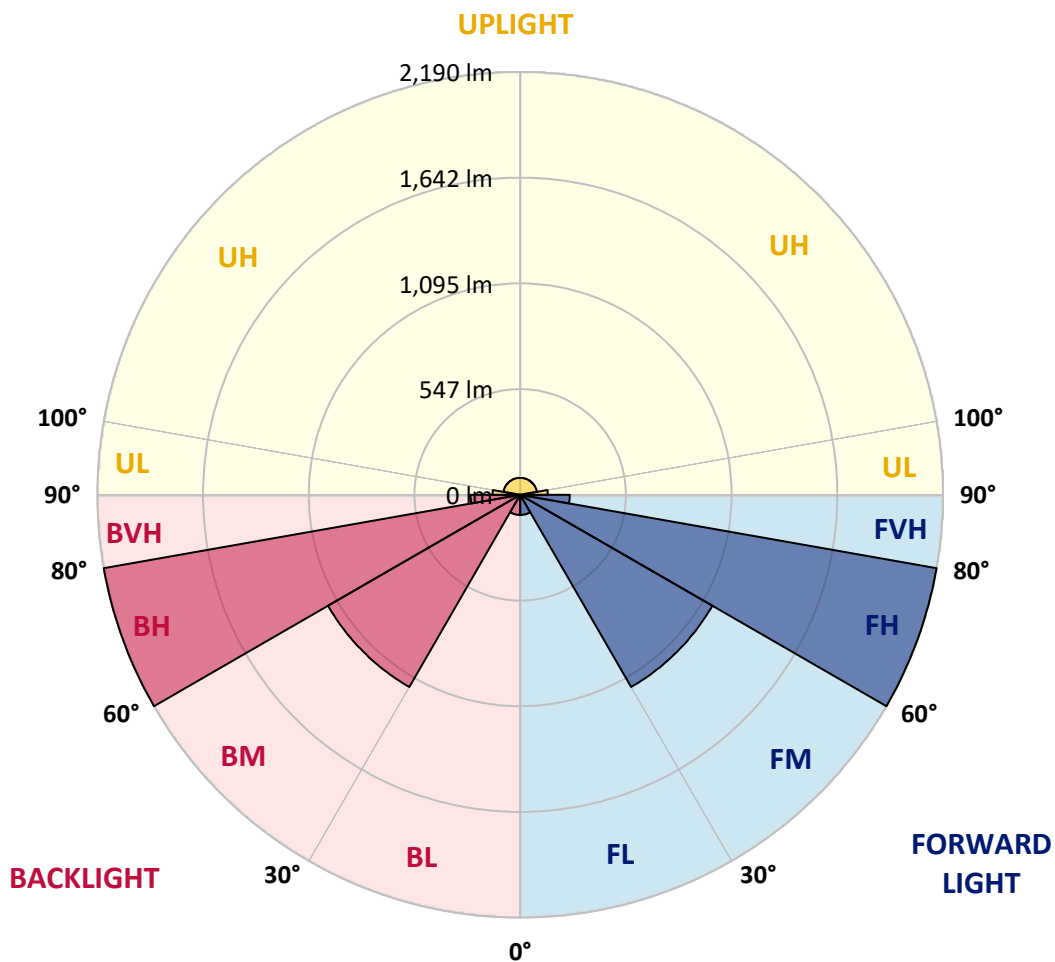
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	104.3	1.4			
FM	(30°-60°)	1149.0	15.2			
FH	(60°-80°)	2189.7	28.9			G2/5000
FVH	(80°-90°)	256.9	3.4			G3/500
BL	(0°-30°)	104.3	1.4	B0/110		
BM	(30°-60°)	1149.0	15.2	B2/2500		
BH	(60°-80°)	2189.7	28.9	B3/2500		G2/5000
BVH	(80°-90°)	256.9	3.4			G3/500
UL	(90°-100°)	143.0	1.9		U3/500	
UH	(100°-180°)	88.0	1.2		U3/500	

BUG Rating: B3-U3-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2
2.5°	4.0	4.0	4.0	4.8	3.2	4.0	3.2	3.2	3.2	3.2	3.2
5°	35.3	34.5	32.1	59.4	28.1	14.4	8.0	4.8	3.2	3.2	3.2
7.5°	75.4	74.6	72.2	79.5	60.2	45.7	36.1	24.1	6.4	4.0	4.0
10°	90.7	89.9	86.7	87.5	84.3	81.9	67.4	40.9	18.5	6.4	6.4
12.5°	135.6	134.8	129.2	157.3	109.2	90.7	84.3	71.4	40.1	32.1	62.6
15°	185.4	185.4	177.4	181.4	150.1	132.4	97.9	122.8	134.8	128.4	137.2
17.5°	206.3	205.5	197.4	195.8	187.8	172.6	169.3	178.2	173.4	154.1	154.9
20°	262.4	261.6	251.2	281.7	232.7	195.8	244.0	213.5	196.6	223.9	260.0
22.5°	315.4	314.6	306.6	308.2	281.7	288.1	266.5	247.2	292.1	302.6	312.2
25°	374.0	371.6	340.3	333.9	311.4	341.1	305.8	355.5	325.0	339.5	365.2
27.5°	439.0	435.8	420.6	425.4	382.0	369.2	390.1	379.6	399.7	462.3	475.9
30°	480.7	462.3	448.6	446.2	455.1	413.3	429.4	439.8	461.5	488.8	512.8
32.5°	577.9	573.8	521.7	549.8	497.6	492.8	459.1	494.4	494.4	600.3	672.6
35°	621.2	617.2	602.7	584.3	571.4	527.3	543.3	532.1	614.0	653.3	713.5
37.5°	771.3	767.3	691.0	700.7	622.8	597.9	581.1	624.4	656.5	697.4	767.3
40°	829.9	826.7	796.2	752.8	723.9	652.5	631.6	667.7	707.1	752.0	823.4
42.5°	899.7	897.3	861.2	821.0	792.1	731.2	708.7	711.9	760.0	826.7	896.5
45°	983.2	983.2	959.9	890.9	862.8	819.4	783.3	787.3	832.3	912.5	984.8
47.5°	1078.7	1077.1	1063.4	986.4	964.7	898.9	870.0	882.8	917.4	1006.4	1082.7
50°	1190.2	1182.2	1181.4	1093.1	1066.6	999.2	971.9	993.6	1014.5	1102.7	1185.4
52.5°	1305.0	1307.4	1308.2	1221.5	1195.0	1137.3	1097.9	1121.2	1121.2	1214.3	1305.0
55°	1441.4	1447.1	1443.0	1357.2	1361.2	1298.6	1244.8	1273.7	1263.3	1352.3	1433.4
57.5°	1617.2	1615.6	1623.6	1524.9	1537.7	1487.2	1426.2	1444.6	1428.6	1501.6	1573.9
60°	1793.0	1793.0	1813.8	1728.0	1762.5	1686.2	1646.9	1656.5	1599.5	1660.5	1724.7
62.5°	1976.0	1977.6	2008.1	1979.2	1987.2	1906.1	1881.3	1866.0	1757.7	1837.1	1881.3
65°	2161.4	2163.8	2214.3	2245.6	2186.2	2112.4	2090.7	2053.8	1937.4	2049.8	2057.8
67.5°	2349.2	2359.6	2419.8	2486.4	2395.7	2258.5	2289.8	2223.2	2102.8	2210.3	2204.7
70°	2555.4	2562.6	2603.6	2715.1	2552.2	2375.6	2409.3	2360.4	2217.5	2351.6	2362.0
72°	2609.2	2614.0	2658.1	2806.6	2599.6	2434.2	2488.8	2410.2	2268.9	2415.8	2423.8
72.5°	2606.0	2613.2	2649.3	2789.0	2598.0	2444.7	2503.3	2415.8	2268.1	2411.8	2411.0
75°	2361.2	2378.0	2433.4	2514.5	2455.1	2423.8	2549.0	2382.1	2177.4	2256.9	2238.4
77.5°	1732.8	1745.6	1825.9	1877.2	1994.4	2204.7	2430.2	2187.8	1903.7	1867.6	1806.6
80°	849.9	845.1	1006.4	933.4	1272.1	1687.0	2016.9	1731.2	1345.9	1095.5	938.2
82.5°	287.3	304.2	370.0	356.3	565.8	973.5	1365.2	1069.0	623.6	424.6	350.7
85°	162.1	167.7	203.9	195.8	230.3	378.0	702.3	486.4	272.9	227.9	203.1
87.5°	142.9	145.3	143.7	141.3	152.5	211.9	212.7	219.9	166.9	154.9	155.7
90°	144.5	146.1	130.8	125.2	134.0	177.4	197.4	187.0	136.4	133.2	146.1
92.5°	156.5	158.1	142.1	136.4	143.7	182.2	203.1	192.6	138.0	142.1	155.7
95°	142.9	144.5	130.8	125.2	133.2	169.3	190.2	186.2	131.6	145.3	165.3
97.5°	91.5	92.3	91.5	91.5	105.1	128.4	134.0	126.8	87.5	89.1	90.7
100°	36.1	28.9	40.9	60.2	74.6	75.4	72.2	66.6	56.2	36.9	18.5
102.5°	12.0	12.0	28.1	39.3	44.1	35.3	28.1	28.1	32.9	23.3	12.0
105°	12.0	12.0	15.2	18.5	18.5	9.6	8.8	14.4	20.9	12.0	12.0
107.5°	11.2	12.0	8.0	7.2	6.4	6.4	6.4	6.4	8.0	8.8	12.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
110°	9.6	9.6	6.4	6.4	5.6	4.8	6.4	5.6	6.4	7.2	9.6
112.5°	7.2	8.0	4.8	4.8	4.8	4.0	5.6	4.8	4.8	5.6	6.4
115°	7.2	7.2	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.8	6.4
117.5°	7.2	6.4	4.0	3.2	3.2	3.2	3.2	3.2	3.2	4.8	6.4
120°	7.2	6.4	4.0	3.2	2.4	2.4	2.4	2.4	3.2	4.0	6.4
122.5°	6.4	6.4	4.0	3.2	2.4	2.4	2.4	2.4	2.4	4.0	6.4
125°	6.4	6.4	4.0	3.2	2.4	2.4	1.6	2.4	2.4	4.0	5.6
127.5°	6.4	5.6	4.0	2.4	2.4	1.6	1.6	1.6	2.4	3.2	5.6
130°	5.6	5.6	4.0	2.4	1.6	1.6	1.6	1.6	1.6	3.2	4.8
132.5°	4.8	4.8	3.2	2.4	1.6	1.6	1.6	1.6	1.6	2.4	4.0
135°	4.0	4.0	3.2	2.4	1.6	2.4	1.6	1.6	1.6	1.6	3.2
137.5°	4.0	4.0	3.2	2.4	1.6	2.4	1.6	1.6	1.6	1.6	2.4
140°	4.0	4.0	3.2	2.4	2.4	2.4	1.6	1.6	1.6	1.6	2.4
142.5°	4.0	4.0	3.2	2.4	2.4	2.4	1.6	1.6	1.6	2.4	2.4
145°	4.0	4.0	4.0	3.2	2.4	2.4	1.6	1.6	2.4	2.4	3.2
147.5°	4.8	4.8	4.0	3.2	2.4	1.6	1.6	1.6	2.4	3.2	3.2
150°	4.0	4.0	3.2	2.4	2.4	1.6	0.8	0.8	1.6	3.2	3.2
152.5°	3.2	3.2	2.4	1.6	1.6	0.8	0.0	0.8	1.6	2.4	3.2
155°	2.4	1.6	1.6	0.8	0.8	0.0	0.0	0.0	0.8	1.6	2.4
157.5°	0.8	0.8	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8
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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CANDELA DISTRIBUTION (continued):

	90°
0°	3.2
2.5°	3.2
5°	3.2
7.5°	4.0
10°	6.4
12.5°	64.2
15°	138.0
17.5°	154.9
20°	280.9
22.5°	316.2
25°	373.2
27.5°	487.2
30°	517.7
32.5°	689.4
35°	726.3
37.5°	776.1
40°	829.9
42.5°	898.9
45°	984.8
47.5°	1084.3
50°	1183.0
52.5°	1301.8
55°	1439.0
57.5°	1569.8
60°	1719.9
62.5°	1870.8
65°	2057.8
67.5°	2204.7
70°	2366.0
72°	2426.2
72.5°	2411.8
75°	2241.6
77.5°	1812.2
80°	920.6
82.5°	325.8
85°	199.8
87.5°	152.5
90°	143.7
92.5°	153.3
95°	162.9
97.5°	86.7
100°	12.8
102.5°	12.8
105°	12.8
107.5°	12.8



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CANDELA DISTRIBUTION (continued):

	90°
110°	10.4
112.5°	7.2
115°	7.2
117.5°	7.2
120°	7.2
122.5°	7.2
125°	6.4
127.5°	5.6
130°	4.8
132.5°	4.0
135°	3.2
137.5°	2.4
140°	2.4
142.5°	2.4
145°	3.2
147.5°	3.2
150°	3.2
152.5°	3.2
155°	2.4
157.5°	0.8
160°	0.8
162.5°	0.0
165°	0.0
167.5°	0.0
170°	0.0
172.5°	0.0
175°	0.0
177.5°	0.0
180°	0.0

(END OF REPORT)