

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: P239396

Luminaire Tested: **UTLD-AF24-90-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239396
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-9-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-90-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 1180mA LIGHT ENGINE WITH 24 LEDS AND TYPE V WIDE OPTICS
PHOTOMETRIC DATA REPORTED FOR LOWER HEMISPHERE ONLY. MINIMAL LIGHT IN
UPPER HEMISPHERE NOT REPORTED.
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7977 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular w/ Sides (W: 1.21' x L: 1.21' x H: 0.96')
IES Classification: Type V - Short - Non-Cutoff
BUG Rating: B3 - U0 - G2

Input Watts (W): 94
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: 28.75 FT



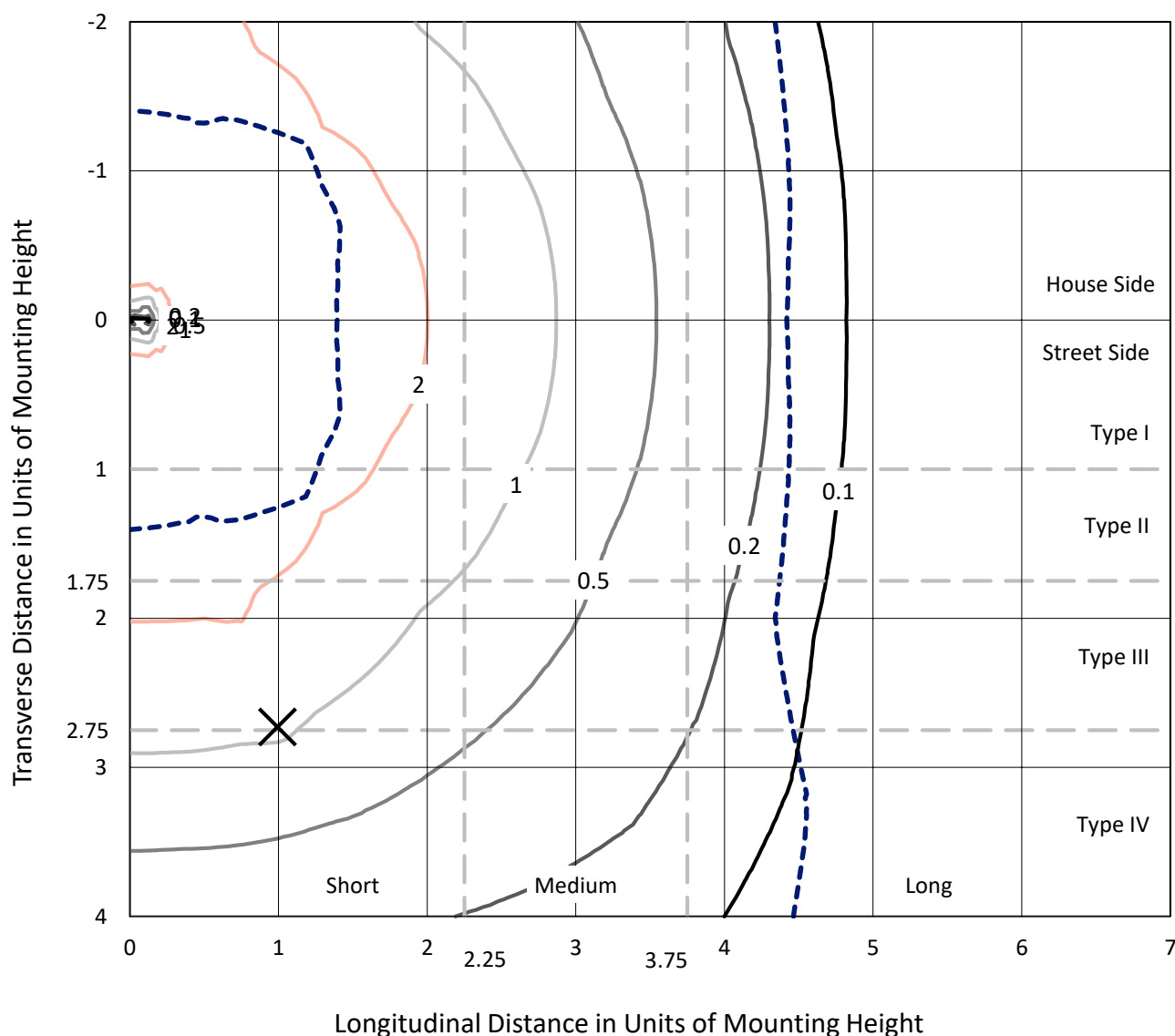
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

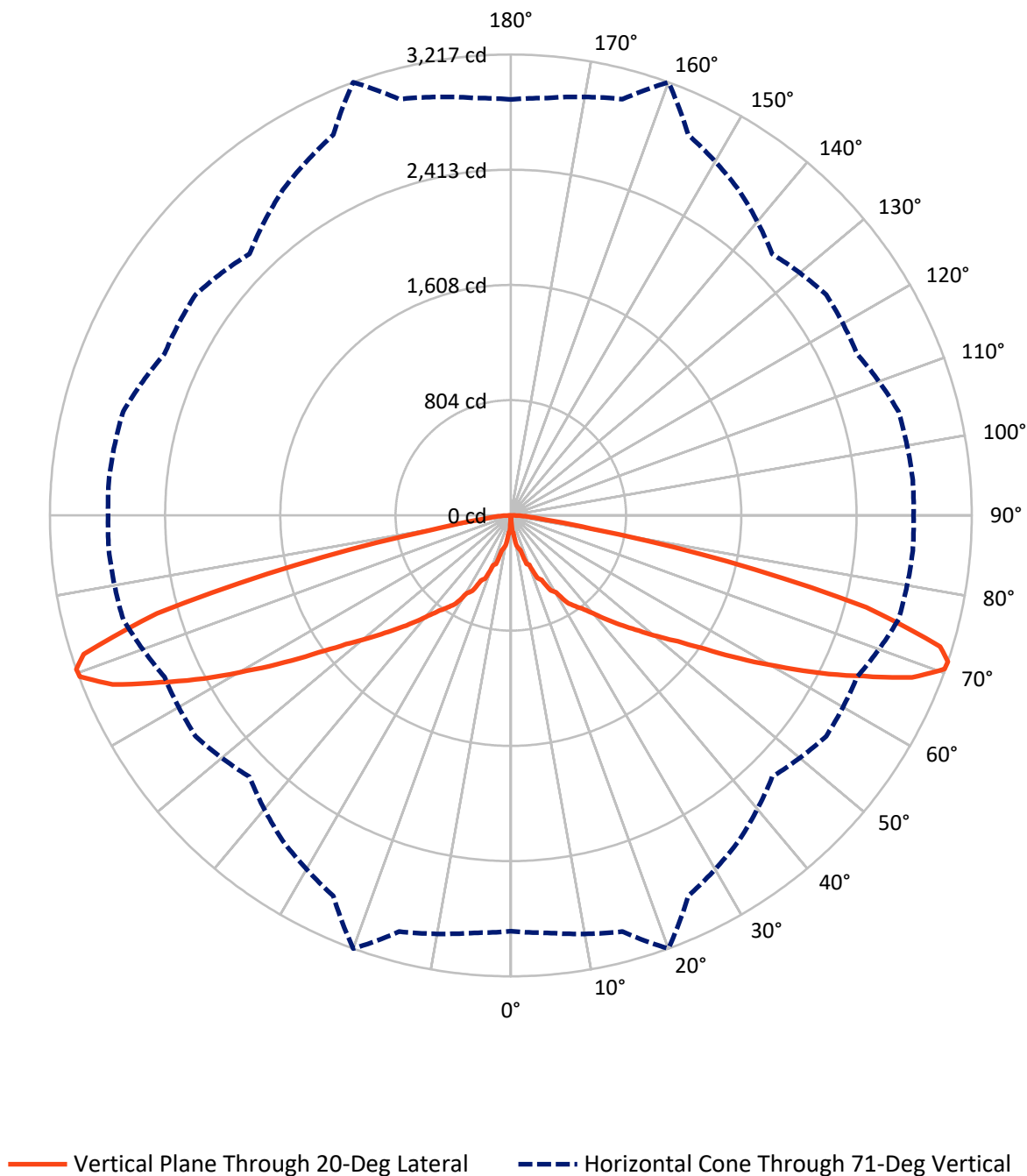


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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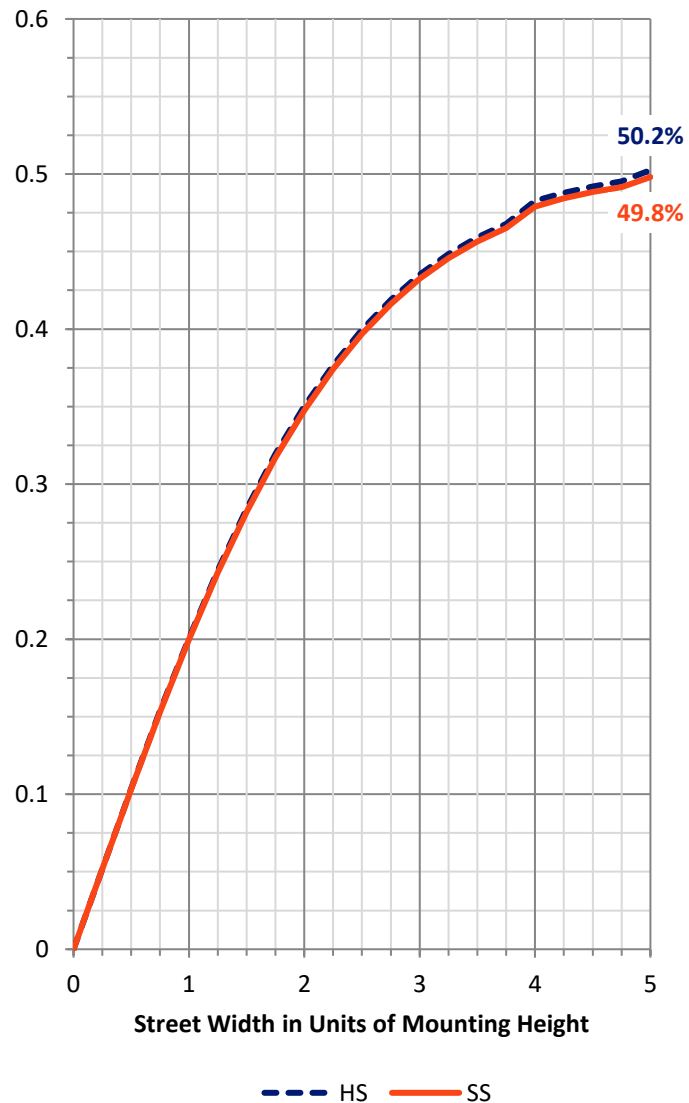
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3988.5	0.0	3988.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3988.5	0.0	3988.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7977.0	0.0	7977.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	65.9	0.8
20°-30°	223.1	2.8
30°-40°	454.8	5.7
40°-50°	778.8	9.8
50°-60°	1372.2	17.2
60°-70°	2336.8	29.3
70°-80°	2417.1	30.3
80°-90°	322.9	4.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	7977.0	100.0
0°-180°	7977.0	100.0

Coefficient of Utilization



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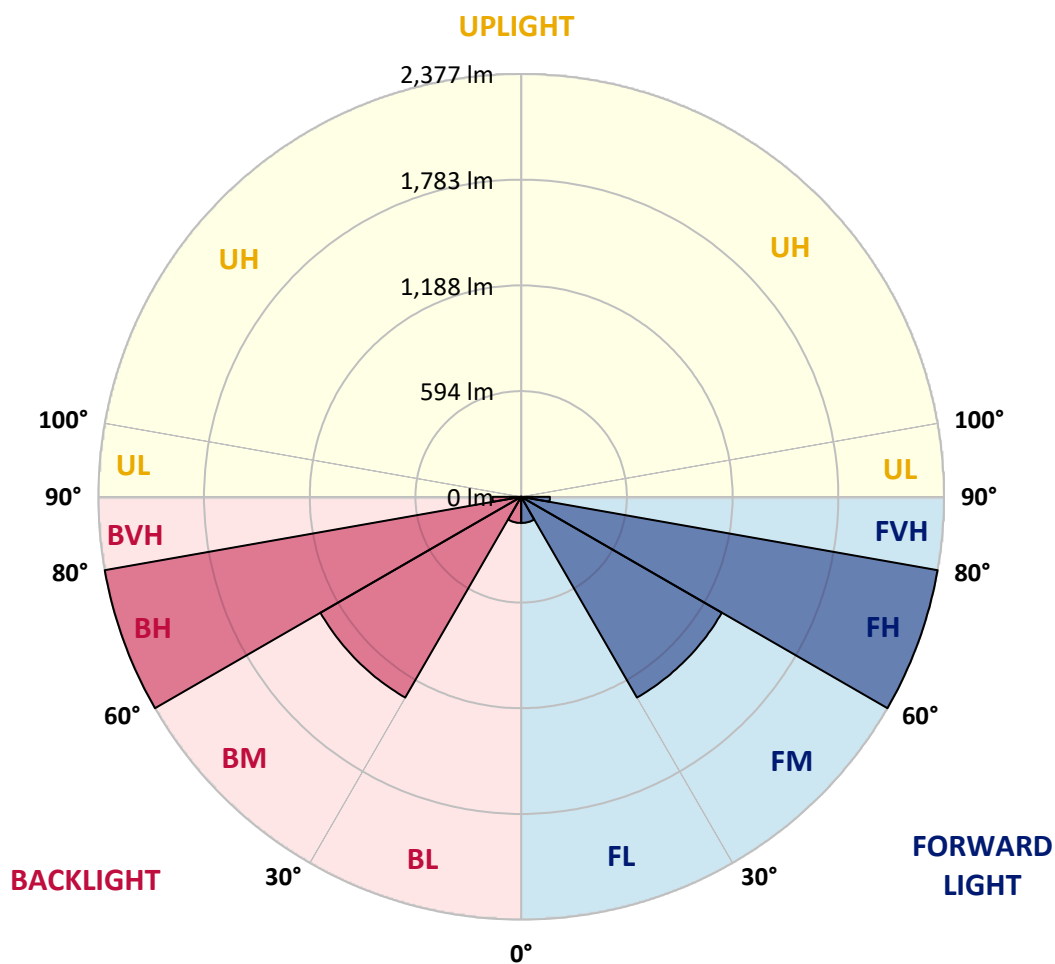
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.2	1.8			
FM	(30°-60°)	1302.9	16.3			
FH	(60°-80°)	2377.0	29.8			G2/5000
FVH	(80°-90°)	161.5	2.0			G2/225
BL	(0°-30°)	147.2	1.8	B1/500		
BM	(30°-60°)	1302.9	16.3	B2/2500		
BH	(60°-80°)	2377.0	29.8	B3/2500		G2/5000
BVH	(80°-90°)	161.5	2.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
2.5°	17.7	16.8	15.9	29.2	15.0	12.4	6.2	3.5	2.7	2.7	2.7
5°	62.8	62.8	62.8	120.4	61.9	60.2	52.2	46.0	12.4	3.5	2.7
7.5°	109.7	109.7	85.0	122.1	74.3	63.7	61.1	59.3	47.8	9.7	4.4
10°	175.2	174.3	169.0	209.7	162.0	121.2	73.5	61.9	54.9	30.1	18.6
12.5°	188.5	186.7	182.3	232.8	176.1	171.7	132.7	91.2	122.1	182.3	154.9
15°	283.2	285.0	250.5	253.1	222.1	181.4	199.1	235.4	195.6	209.7	178.8
17.5°	311.5	309.7	303.6	354.9	291.2	243.4	270.8	276.1	235.4	275.2	280.5
20°	386.7	381.4	357.5	368.2	310.6	339.8	317.7	323.0	362.8	355.8	362.0
22.5°	448.7	447.8	436.3	474.4	388.5	382.3	363.7	393.8	400.9	388.5	446.9
25°	509.8	504.4	454.9	499.1	441.6	439.8	434.5	431.0	476.1	517.7	546.0
27.5°	579.7	577.0	559.3	591.2	514.2	469.0	471.7	501.8	529.2	543.4	636.3
30°	646.9	646.0	586.7	623.9	570.8	536.3	519.5	547.8	599.1	685.9	742.5
32.5°	740.7	737.2	695.6	727.5	621.3	587.6	575.2	595.6	669.1	711.5	771.7
35°	842.5	839.0	753.1	778.8	680.6	633.7	610.6	657.5	686.8	750.5	818.6
37.5°	895.6	889.4	845.2	832.8	769.1	692.1	660.2	689.4	728.3	800.0	869.1
40°	958.4	955.8	919.5	907.1	823.0	746.9	699.1	731.9	786.8	858.4	937.2
42.5°	1033.7	1031.9	999.2	1000.0	893.8	816.0	746.9	793.8	851.4	946.1	1033.7
45°	1124.8	1118.6	1096.5	1097.4	984.1	892.1	815.1	876.1	919.5	1031.0	1131.9
47.5°	1227.5	1226.6	1201.8	1201.8	1075.3	981.5	896.5	979.7	1027.5	1159.3	1237.2
50°	1345.2	1343.4	1325.7	1325.7	1194.7	1078.8	994.7	1094.7	1146.9	1274.4	1360.2
52.5°	1474.4	1473.5	1469.1	1459.3	1327.5	1215.1	1118.6	1232.8	1277.9	1420.4	1494.7
55°	1628.4	1639.9	1636.3	1643.4	1501.8	1384.1	1269.1	1392.1	1440.8	1584.1	1640.8
57.5°	1824.0	1820.4	1838.1	1883.3	1706.3	1600.1	1458.5	1598.3	1616.0	1751.4	1804.5
60°	2002.7	2007.2	2041.7	2137.2	1918.7	1846.1	1684.1	1817.8	1818.7	1934.6	1974.4
62.5°	2193.9	2201.9	2261.1	2423.1	2142.6	2094.8	1931.0	2033.7	2024.9	2125.7	2165.6
65°	2408.9	2419.6	2500.1	2705.4	2392.1	2332.8	2162.9	2245.2	2242.6	2377.1	2373.5
67.5°	2670.0	2683.3	2755.9	3019.6	2688.6	2555.0	2358.5	2458.5	2449.6	2583.3	2573.5
70°	2878.9	2893.0	2971.8	3212.5	2887.7	2726.6	2524.0	2632.0	2639.0	2764.7	2778.9
71°	2902.8	2924.0	3007.2	3216.9	2930.2	2773.6	2579.7	2686.8	2666.5	2801.0	2816.0
72.5°	2832.0	2852.3	2961.2	3133.7	2947.9	2795.7	2661.2	2725.8	2646.1	2772.7	2772.7
75°	2403.6	2403.6	2556.7	2562.9	2690.4	2694.8	2716.0	2659.4	2409.8	2418.7	2378.8
77.5°	1500.1	1516.0	1676.2	1545.2	1958.5	2285.9	2509.8	2266.5	1846.1	1675.3	1545.2
80°	569.9	562.9	748.7	571.7	1040.7	1543.4	1889.5	1549.6	978.8	645.2	484.1
82.5°	131.0	167.3	231.9	224.8	346.9	681.4	1049.6	688.5	314.2	244.3	188.5
85°	64.6	68.1	115.9	123.0	138.1	186.7	347.8	214.2	161.1	160.2	117.7
87.5°	26.5	31.0	64.6	62.8	61.9	77.9	70.8	100.0	102.7	108.9	69.0
90°	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°	2.7
2.5°	2.7
5°	2.7
7.5°	4.4
10°	18.6
12.5°	147.8
15°	186.7
17.5°	279.7
20°	363.7
22.5°	456.7
25°	543.4
27.5°	648.7
30°	748.7
32.5°	800.0
35°	839.9
37.5°	889.4
40°	953.1
42.5°	1039.9
45°	1136.3
47.5°	1243.4
50°	1367.3
52.5°	1498.3
55°	1639.9
57.5°	1808.9
60°	1967.3
62.5°	2164.7
65°	2368.2
67.5°	2570.9
70°	2766.5
71°	2810.7
72.5°	2755.9
75°	2370.0
77.5°	1517.8
80°	460.2
82.5°	176.1
85°	112.4
87.5°	64.6
90°	0.0

(END OF REPORT)