

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: P239397

Luminaire Tested: **UTLD-AF24-100-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239397
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-AF24-100-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7994 lumens
Efficiency: N/A
Efficacy: 83.3 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): 96
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



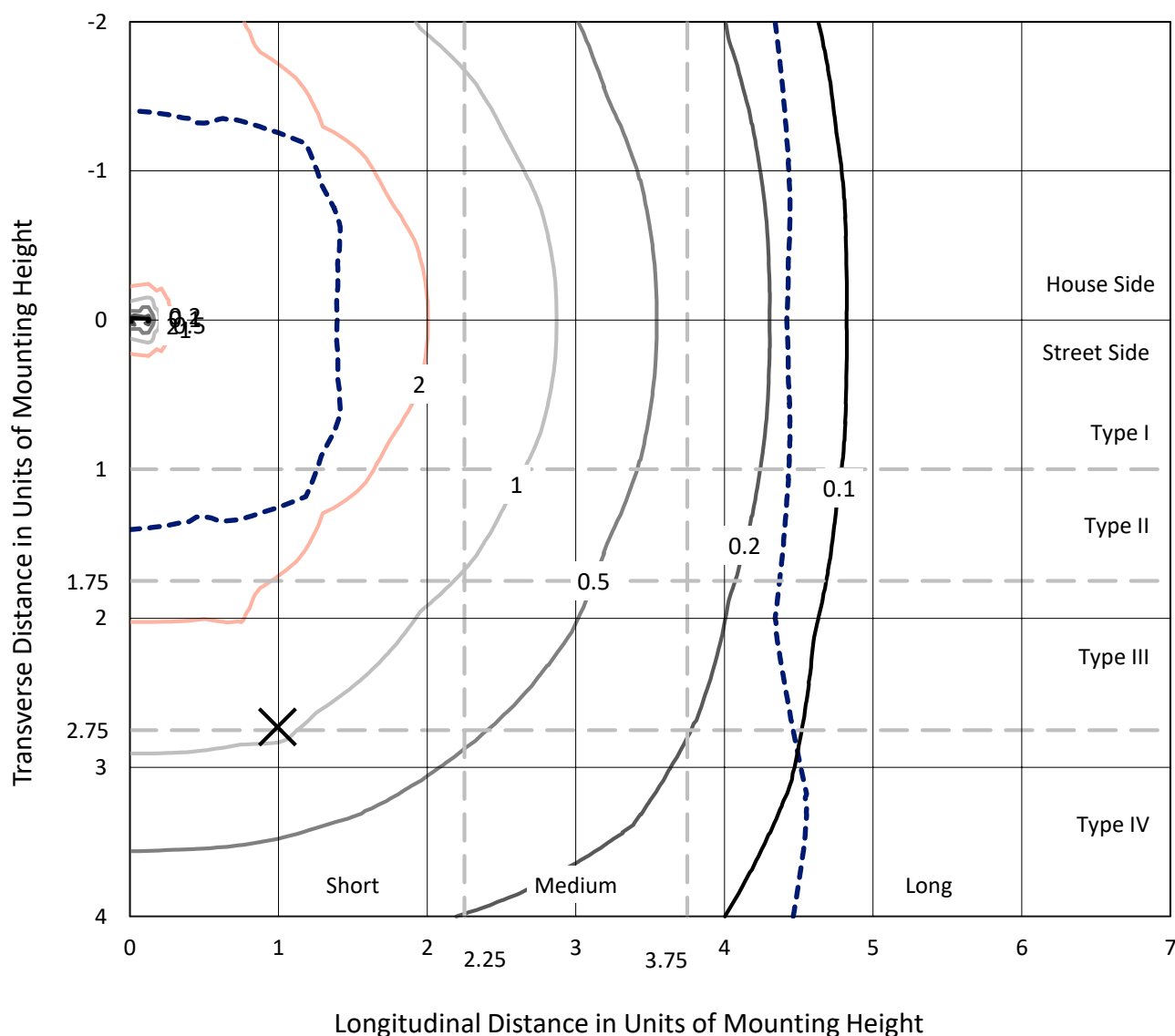
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

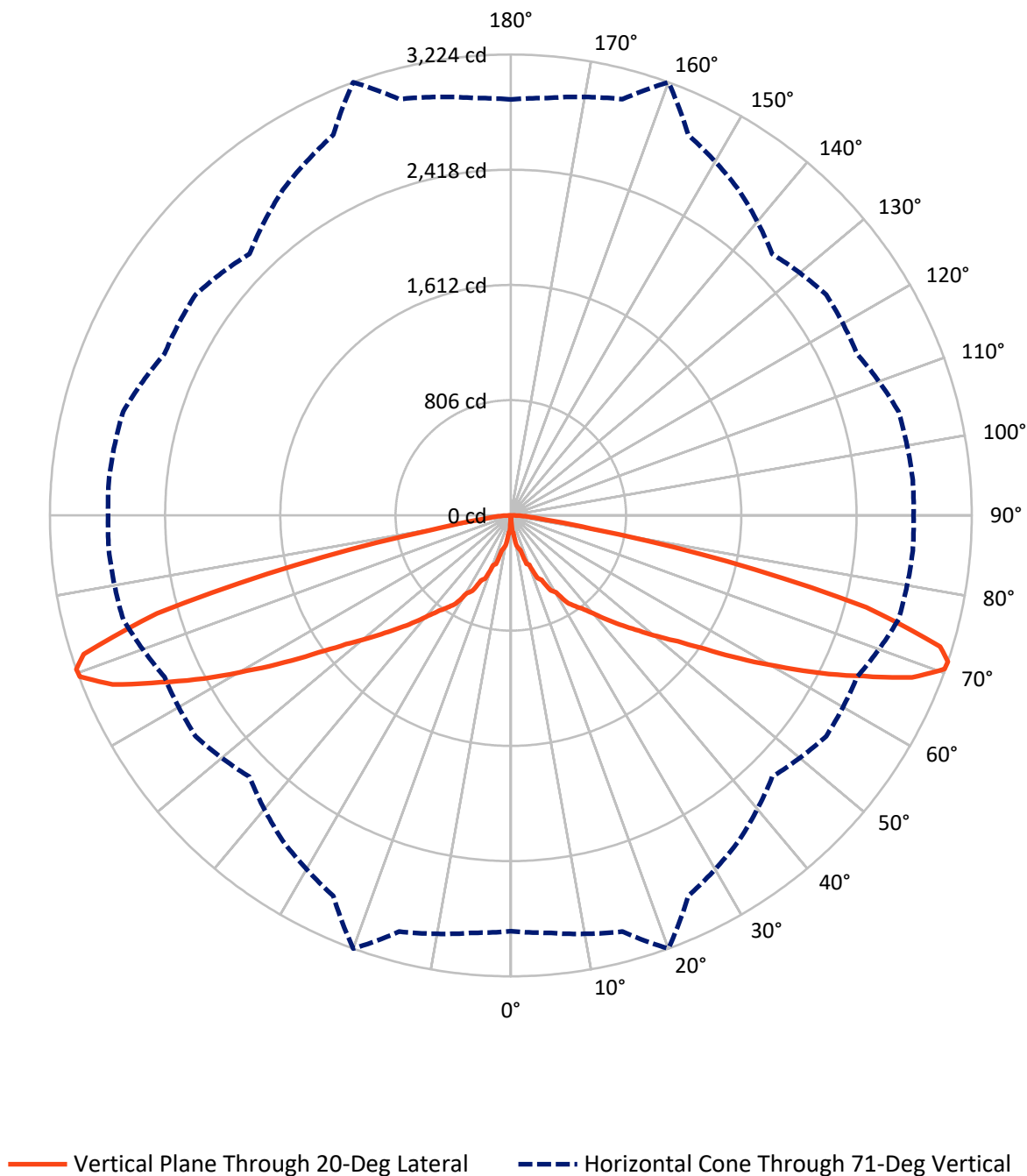


Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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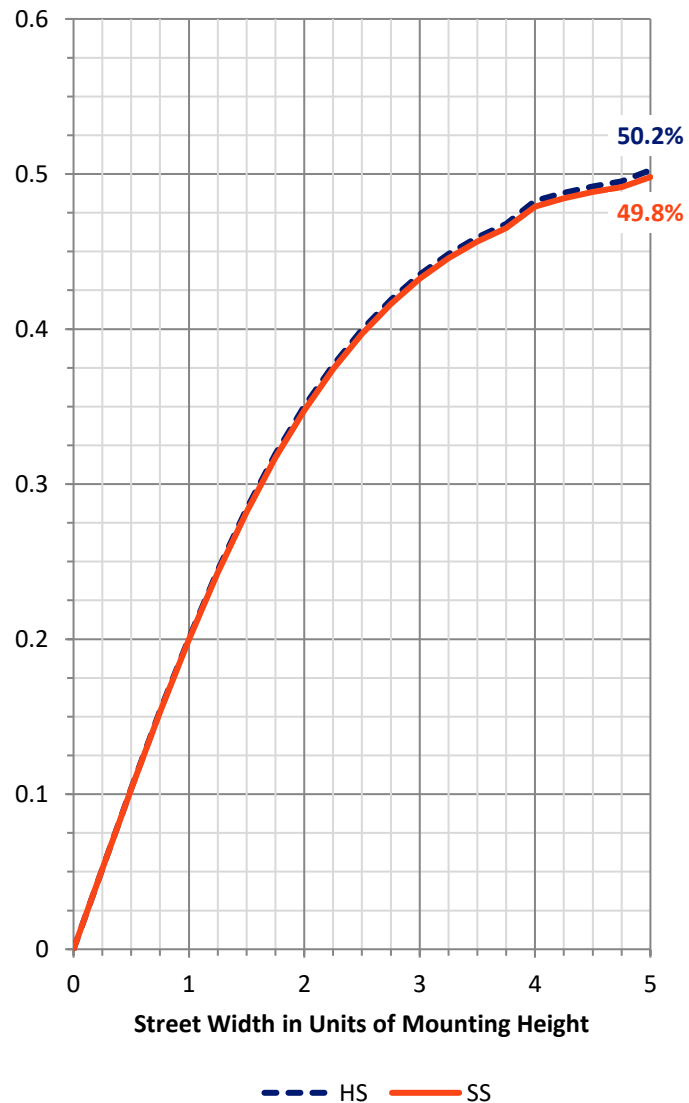
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3997.0	0.0	3997.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3997.0	0.0	3997.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7994.0	0.0	7994.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.4	0.1
10°-20°	66.0	0.8
20°-30°	223.6	2.8
30°-40°	455.7	5.7
40°-50°	780.5	9.8
50°-60°	1375.1	17.2
60°-70°	2341.8	29.3
70°-80°	2422.3	30.3
80°-90°	323.6	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°	7994.0	100.0
0°-180°	7994.0	100.0

Coefficient of Utilization



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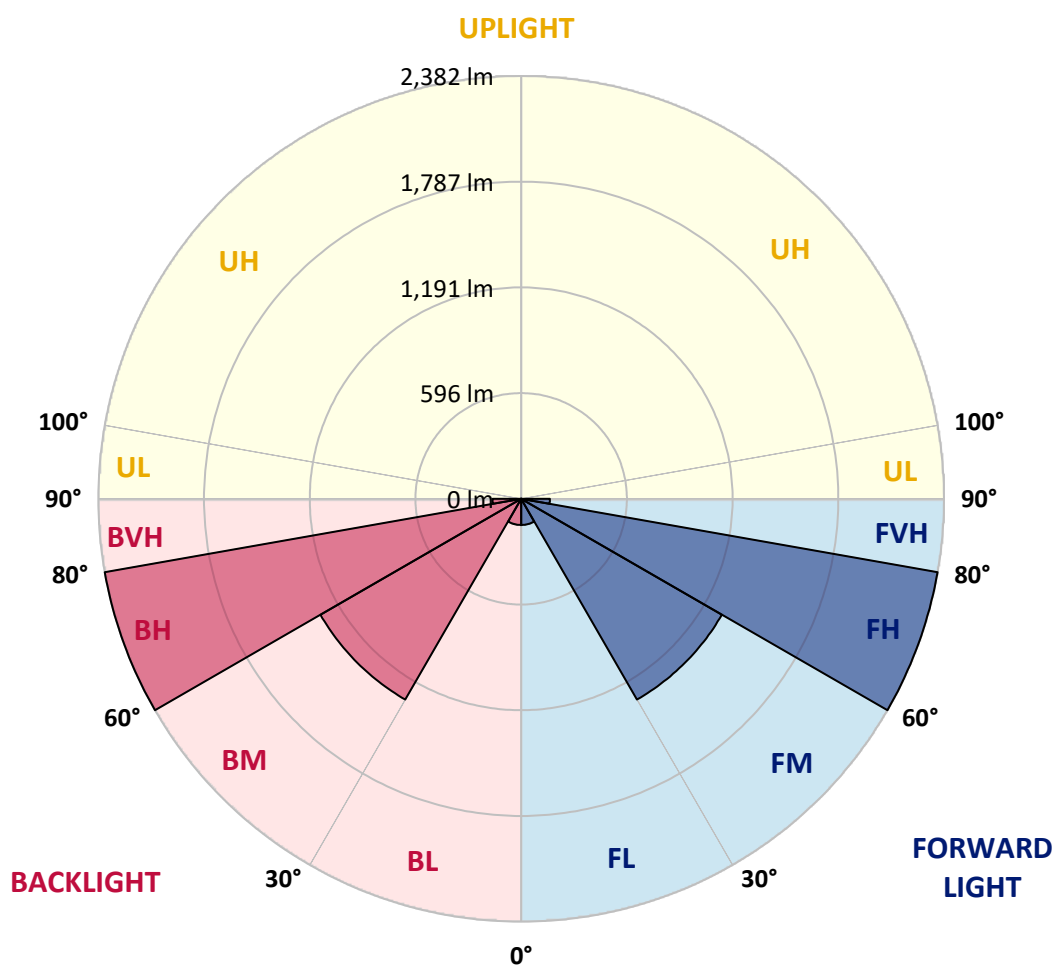
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	147.5	1.8			
FM	(30°-60°)	1305.7	16.3			
FH	(60°-80°)	2382.0	29.8			G2/5000
FVH	(80°-90°)	161.8	2.0			G2/225
BL	(0°-30°)	147.5	1.8	B1/500		
BM	(30°-60°)	1305.7	16.3	B2/2500		
BH	(60°-80°)	2382.0	29.8	B3/2500		G2/5000
BVH	(80°-90°)	161.8	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	16.9	16.0	29.3	15.1	12.4	6.2	3.5	2.7	2.7	2.7
5°	63.0	63.0	63.0	120.6	62.1	60.3	52.3	46.1	12.4	3.5	2.7
7.5°	110.0	110.0	85.1	122.4	74.5	63.9	61.2	59.4	47.9	9.8	4.4
10°	175.6	174.7	169.4	210.2	162.3	121.5	73.6	62.1	55.0	30.2	18.6
12.5°	188.9	187.1	182.7	233.2	176.5	172.1	133.0	91.3	122.4	182.7	155.2
15°	283.8	285.6	251.0	253.6	222.6	181.8	199.5	235.9	196.0	210.2	179.1
17.5°	312.2	310.4	304.2	355.6	291.8	243.9	271.4	276.7	235.9	275.8	281.1
20°	387.6	382.2	358.3	368.9	311.3	340.6	318.4	323.7	363.6	356.5	362.7
22.5°	449.6	448.8	437.2	475.4	389.3	383.1	364.5	394.7	401.8	389.3	447.9
25°	510.8	505.5	455.9	500.2	442.6	440.8	435.5	431.9	477.1	518.8	547.2
27.5°	580.9	578.2	560.5	592.4	515.3	470.0	472.7	502.9	530.4	544.5	637.7
30°	648.3	647.4	588.0	625.2	572.0	537.4	520.6	549.0	600.4	687.3	744.1
32.5°	742.3	738.8	697.1	729.0	622.6	588.9	576.5	596.9	670.5	713.0	773.4
35°	844.3	840.8	754.7	780.4	682.0	635.0	611.9	658.9	688.2	752.1	820.4
37.5°	897.5	891.3	847.0	834.5	770.7	693.5	661.6	690.9	729.9	801.7	870.9
40°	960.5	957.8	921.5	909.0	824.8	748.5	700.6	733.4	788.4	860.3	939.2
42.5°	1035.9	1034.1	1001.3	1002.2	895.7	817.7	748.5	795.5	853.2	948.1	1035.9
45°	1127.2	1121.0	1098.8	1099.7	986.2	894.0	816.8	878.0	921.5	1033.2	1134.3
47.5°	1230.1	1229.2	1204.4	1204.4	1077.6	983.5	898.4	981.8	1029.7	1161.8	1239.9
50°	1348.0	1346.3	1328.5	1328.5	1197.3	1081.1	996.8	1097.1	1149.4	1277.1	1363.1
52.5°	1477.5	1476.6	1472.2	1462.5	1330.3	1217.7	1121.0	1235.4	1280.6	1423.4	1497.9
55°	1631.8	1643.4	1639.8	1646.9	1505.0	1387.1	1271.8	1395.1	1443.8	1587.5	1644.3
57.5°	1827.8	1824.3	1842.0	1887.3	1709.9	1603.5	1461.6	1601.7	1619.4	1755.1	1808.3
60°	2007.0	2011.4	2046.0	2141.8	1922.7	1850.0	1687.7	1821.6	1822.5	1938.7	1978.6
62.5°	2198.6	2206.5	2266.0	2428.3	2147.1	2099.2	1935.2	2038.0	2029.2	2130.3	2170.2
65°	2414.1	2424.7	2505.4	2711.2	2397.2	2337.8	2167.5	2250.0	2247.3	2382.1	2378.6
67.5°	2675.7	2689.0	2761.7	3026.0	2694.3	2560.4	2363.5	2463.7	2454.9	2588.8	2579.0
70°	2885.0	2899.2	2978.1	3219.4	2893.9	2732.5	2529.4	2637.6	2644.7	2770.6	2784.8
71°	2908.9	2930.2	3013.6	3223.8	2936.4	2779.5	2585.2	2692.6	2672.2	2807.0	2822.0
72.5°	2838.0	2858.4	2967.5	3140.4	2954.2	2801.6	2666.8	2731.6	2651.8	2778.6	2778.6
75°	2408.8	2408.8	2562.2	2568.4	2696.1	2700.5	2721.8	2665.1	2415.0	2423.8	2383.9
77.5°	1503.3	1519.2	1679.7	1548.5	1962.7	2290.8	2515.2	2271.3	1850.0	1678.9	1548.5
80°	571.1	564.1	750.3	572.9	1043.0	1546.7	1893.5	1552.9	980.9	646.5	485.1
82.5°	131.3	167.6	232.4	225.3	347.7	682.9	1051.8	690.0	314.8	244.8	188.9
85°	64.7	68.3	116.2	123.3	138.4	187.1	348.5	214.6	161.4	160.5	118.0
87.5°	26.6	31.0	64.7	63.0	62.1	78.0	70.9	100.2	102.9	109.1	69.2
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°	148.1
15°	187.1
17.5°	280.3
20°	364.5
22.5°	457.6
25°	544.5
27.5°	650.1
30°	750.3
32.5°	801.7
35°	841.6
37.5°	891.3
40°	955.2
42.5°	1042.1
45°	1138.7
47.5°	1246.1
50°	1370.2
52.5°	1501.5
55°	1643.4
57.5°	1812.8
60°	1971.5
62.5°	2169.3
65°	2373.3
67.5°	2576.4
70°	2772.4
71°	2816.7
72.5°	2761.7
75°	2375.0
77.5°	1521.0
80°	461.2
82.5°	176.5
85°	112.6
87.5°	64.7
90°	0.0

(END OF REPORT)