

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: P239394

Luminaire Tested: **UTLD-AF24-70-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239394
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-AF24-70-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 930mA 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: 6742 lumens
Efficiency: N/A
Efficacy: 91.1 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): 74
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



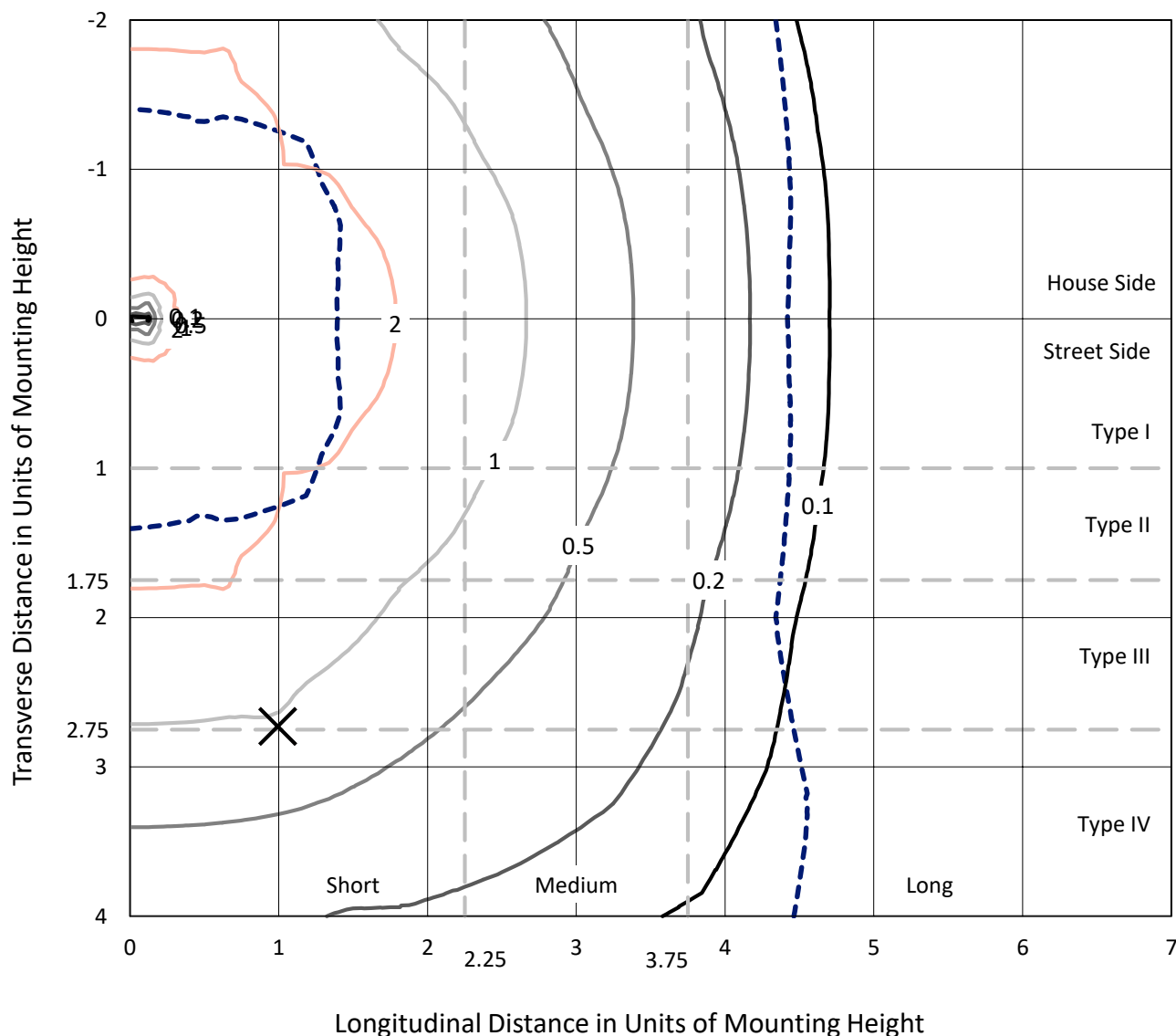
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

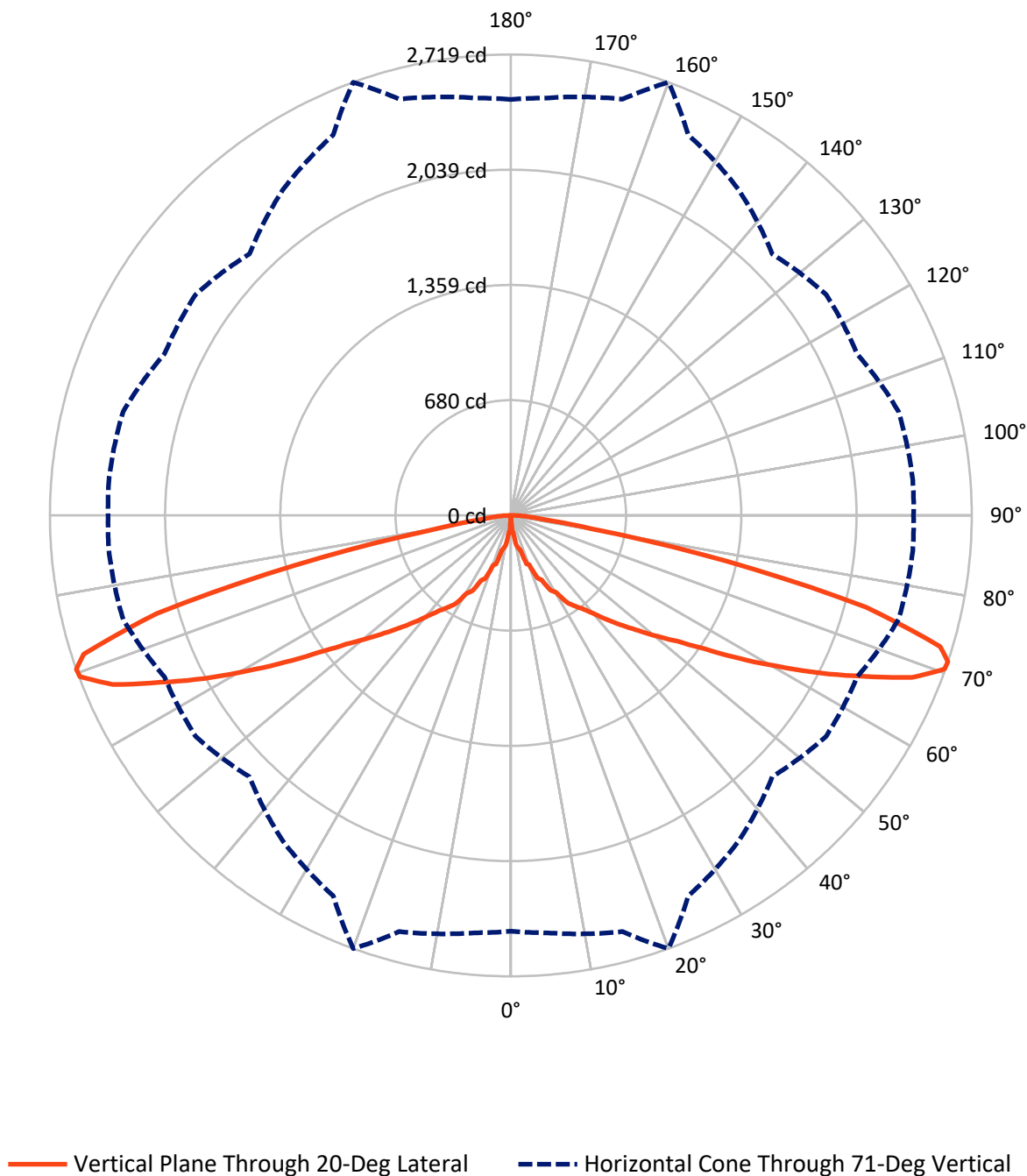


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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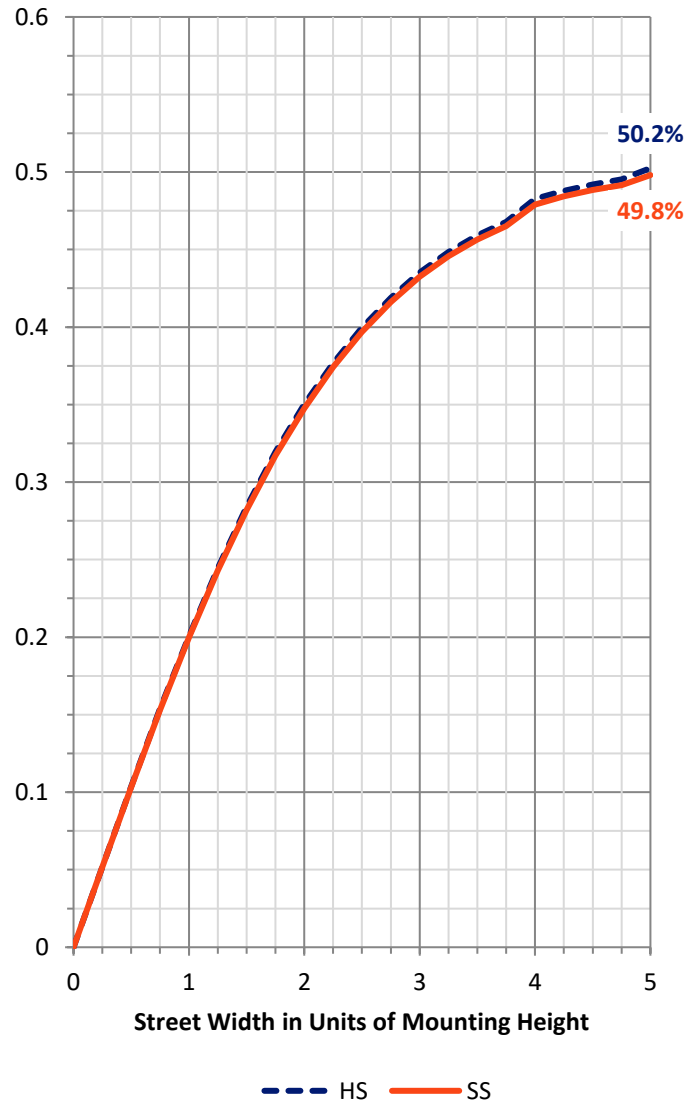
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3371.0	0.0	3371.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3371.0	0.0	3371.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6742.0	0.0	6742.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.5	0.1
10°-20°	55.7	0.8
20°-30°	188.6	2.8
30°-40°	384.4	5.7
40°-50°	658.3	9.8
50°-60°	1159.7	17.2
60°-70°	1975.1	29.3
70°-80°	2042.9	30.3
80°-90°	272.9	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°	6742.0	100.0
0°-180°	6742.0	100.0

Coefficient of Utilization



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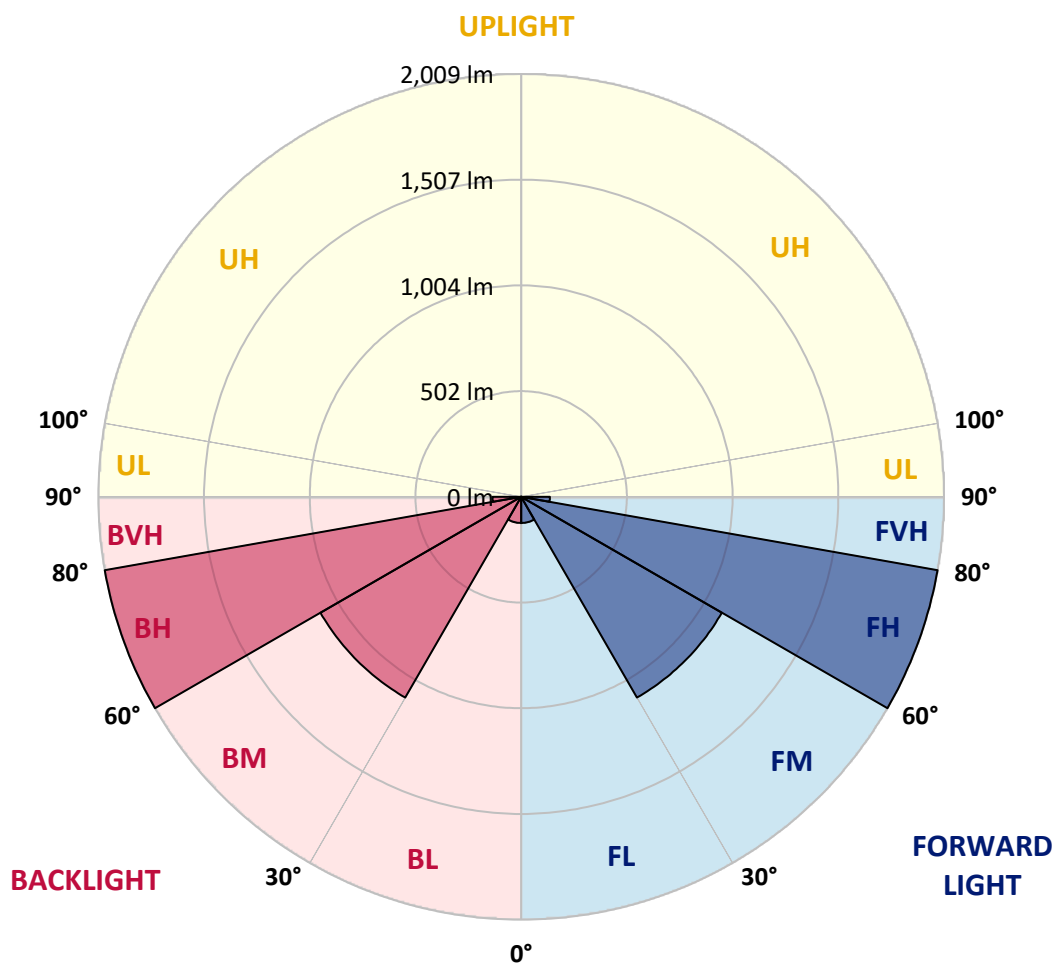
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	124.4	1.8			
FM	(30°-60°)	1101.2	16.3			
FH	(60°-80°)	2009.0	29.8			G2/5000
FVH	(80°-90°)	136.5	2.0			G2/225
BL	(0°-30°)	124.4	1.8	B1/500		
BM	(30°-60°)	1101.2	16.3	B2/2500		
BH	(60°-80°)	2009.0	29.8	B3/2500		G2/5000
BVH	(80°-90°)	136.5	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°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
2.5°	15.0	14.2	13.5	24.7	12.7	10.5	5.2	3.0	2.2	2.2	2.2
5°	53.1	53.1	53.1	101.7	52.4	50.9	44.1	38.9	10.5	3.0	2.2
7.5°	92.7	92.7	71.8	103.2	62.8	53.9	51.6	50.1	40.4	8.2	3.7
10°	148.1	147.4	142.9	177.3	136.9	102.5	62.1	52.4	46.4	25.4	15.7
12.5°	159.3	157.8	154.1	196.7	148.8	145.1	112.2	77.0	103.2	154.1	130.9
15°	239.4	240.8	211.7	213.9	187.7	153.3	168.3	199.0	165.3	177.3	151.1
17.5°	263.3	261.8	256.6	299.9	246.1	205.7	228.9	233.4	199.0	232.6	237.1
20°	326.9	322.4	302.2	311.2	262.5	287.2	268.5	273.0	306.7	300.7	305.9
22.5°	379.2	378.5	368.8	400.9	328.4	323.1	307.4	332.8	338.8	328.4	377.7
25°	430.8	426.3	384.5	421.9	373.2	371.7	367.3	364.3	402.4	437.6	461.5
27.5°	489.9	487.7	472.7	499.6	434.6	396.4	398.7	424.1	447.3	459.3	537.8
30°	546.8	546.0	495.9	527.3	482.4	453.3	439.1	463.0	506.4	579.7	627.6
32.5°	626.1	623.1	587.9	614.8	525.1	496.7	486.2	503.4	565.5	601.4	652.2
35°	712.1	709.1	636.5	658.2	575.2	535.5	516.1	555.7	580.4	634.3	691.9
37.5°	757.0	751.7	714.3	703.8	650.0	584.9	558.0	582.7	615.6	676.2	734.5
40°	810.1	807.8	777.1	766.7	695.6	631.3	590.9	618.6	664.9	725.5	792.1
42.5°	873.6	872.1	844.5	845.2	755.5	689.6	631.3	670.9	719.6	799.6	873.6
45°	950.7	945.4	926.7	927.5	831.7	754.0	688.9	740.5	777.1	871.4	956.7
47.5°	1037.4	1036.7	1015.7	1015.7	908.8	829.5	757.7	828.0	868.4	979.8	1045.7
50°	1136.9	1135.4	1120.5	1120.5	1009.8	911.8	840.7	925.2	969.4	1077.1	1149.6
52.5°	1246.1	1245.4	1241.6	1233.4	1122.0	1027.0	945.4	1041.9	1080.1	1200.5	1263.3
55°	1376.3	1386.0	1383.0	1389.0	1269.3	1169.8	1072.6	1176.6	1217.7	1338.9	1386.7
57.5°	1541.6	1538.6	1553.5	1591.7	1442.1	1352.3	1232.7	1350.8	1365.8	1480.2	1525.1
60°	1692.7	1696.4	1725.6	1806.4	1621.6	1560.3	1423.4	1536.3	1537.1	1635.1	1668.7
62.5°	1854.2	1861.0	1911.1	2048.0	1810.8	1770.5	1632.1	1718.8	1711.4	1796.6	1830.3
65°	2036.0	2045.0	2113.0	2286.6	2021.8	1971.7	1828.0	1897.6	1895.4	2009.1	2006.1
67.5°	2256.6	2267.9	2329.2	2552.1	2272.3	2159.4	1993.4	2077.9	2070.4	2183.3	2175.1
70°	2433.2	2445.1	2511.7	2715.1	2440.6	2304.5	2133.2	2224.5	2230.5	2336.7	2348.6
71°	2453.4	2471.3	2541.6	2718.9	2476.5	2344.2	2180.3	2270.9	2253.6	2367.3	2380.1
72.5°	2393.5	2410.7	2502.7	2648.6	2491.5	2362.9	2249.2	2303.8	2236.4	2343.4	2343.4
75°	2031.5	2031.5	2160.9	2166.1	2273.8	2277.6	2295.5	2247.7	2036.7	2044.2	2010.6
77.5°	1267.8	1281.3	1416.7	1306.0	1655.3	1932.0	2121.3	1915.6	1560.3	1415.9	1306.0
80°	481.7	475.7	632.8	483.2	879.6	1304.5	1596.9	1309.7	827.3	545.3	409.1
82.5°	110.7	141.4	196.0	190.0	293.2	575.9	887.1	581.9	265.5	206.4	159.3
85°	54.6	57.6	98.0	104.0	116.7	157.8	294.0	181.0	136.1	135.4	99.5
87.5°	22.4	26.2	54.6	53.1	52.4	65.8	59.8	84.5	86.8	92.0	58.3
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°	2.2
2.5°	2.2
5°	2.2
7.5°	3.7
10°	15.7
12.5°	124.9
15°	157.8
17.5°	236.4
20°	307.4
22.5°	386.0
25°	459.3
27.5°	548.3
30°	632.8
32.5°	676.2
35°	709.8
37.5°	751.7
40°	805.6
42.5°	878.9
45°	960.4
47.5°	1050.9
50°	1155.6
52.5°	1266.3
55°	1386.0
57.5°	1528.9
60°	1662.7
62.5°	1829.5
65°	2001.6
67.5°	2172.9
70°	2338.2
71°	2375.6
72.5°	2329.2
75°	2003.1
77.5°	1282.8
80°	388.9
82.5°	148.8
85°	95.0
87.5°	54.6
90°	0.0

(END OF REPORT)