

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: P239402

Luminaire Tested: **UTLD-AF24-60-D-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239402
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-AF24-60-D-U-5WQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 4000K, 800mA 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: 6806 lumens
Efficiency: N/A
Efficacy: 106.3 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): 64
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

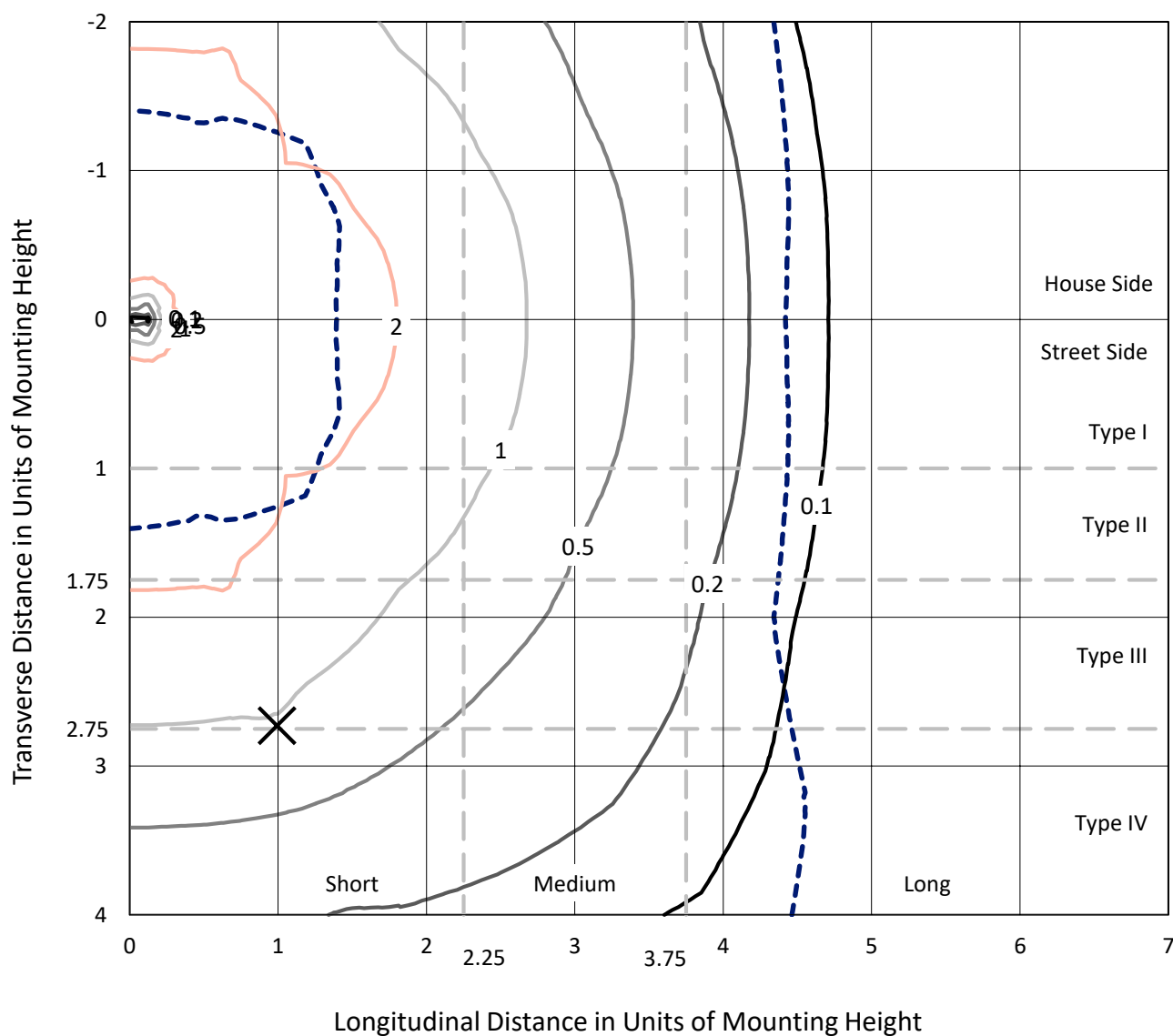


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

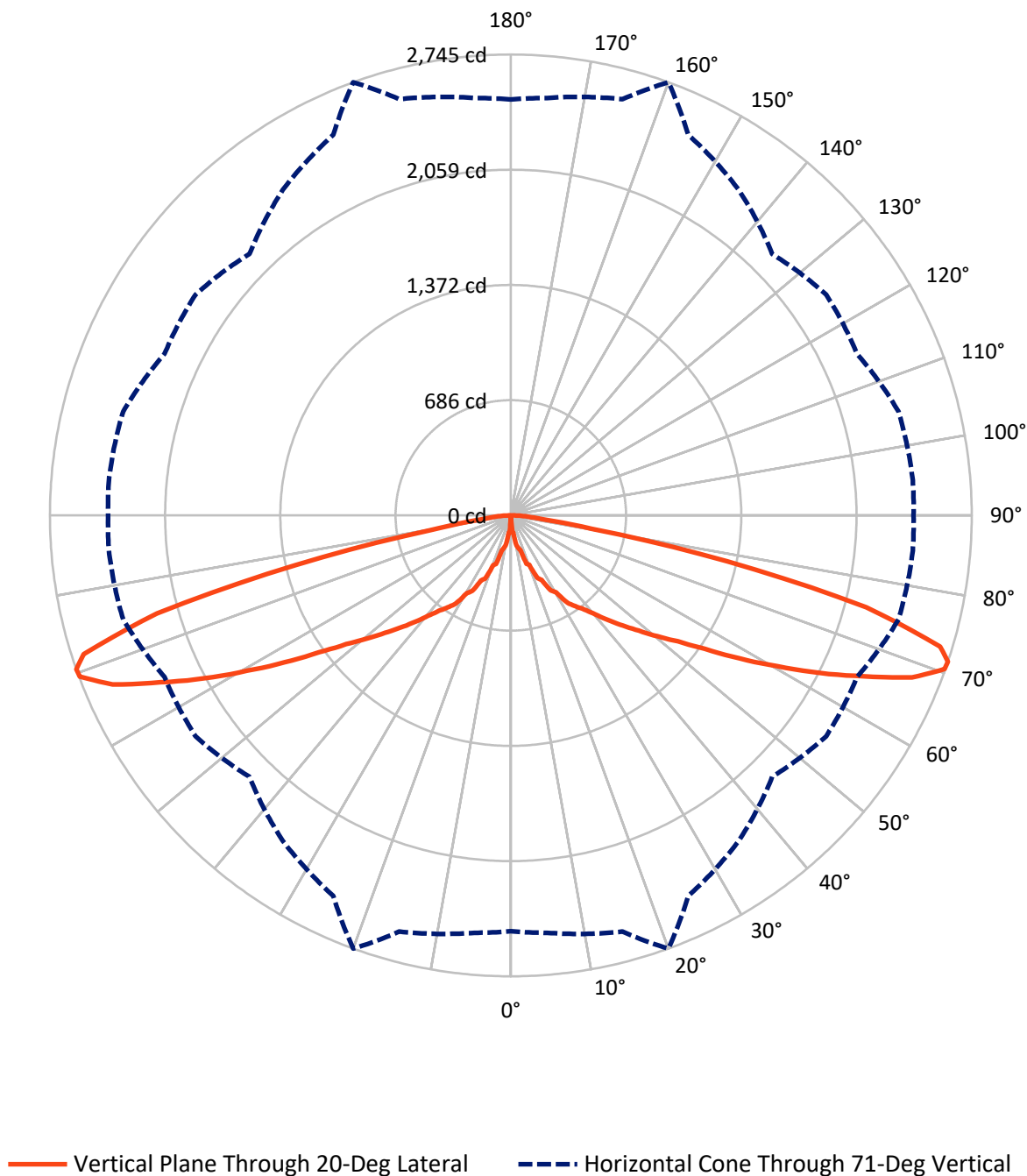


Based on 10 foot mounting height. Maximum calculated value = 4.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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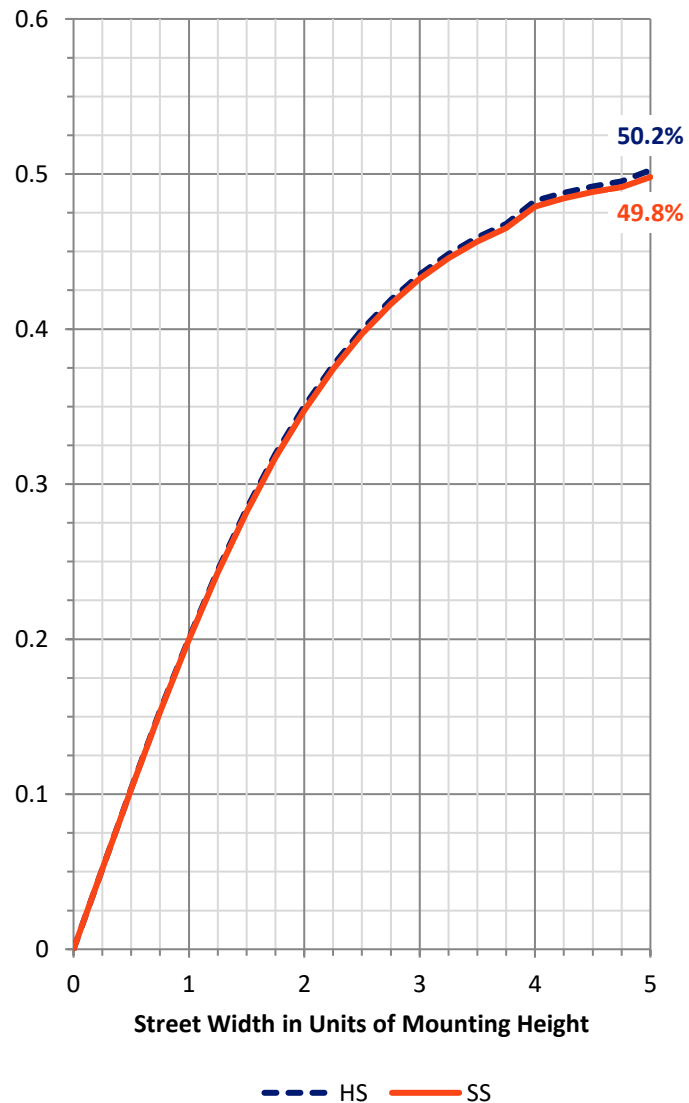
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3403.0	0.0	3403.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3403.0	0.0	3403.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6806.0	0.0	6806.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.6	0.1
10°-20°	56.2	0.8
20°-30°	190.4	2.8
30°-40°	388.0	5.7
40°-50°	664.5	9.8
50°-60°	1170.7	17.2
60°-70°	1993.8	29.3
70°-80°	2062.3	30.3
80°-90°	275.5	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°	6806.0	100.0
0°-180°	6806.0	100.0

Coefficient of Utilization



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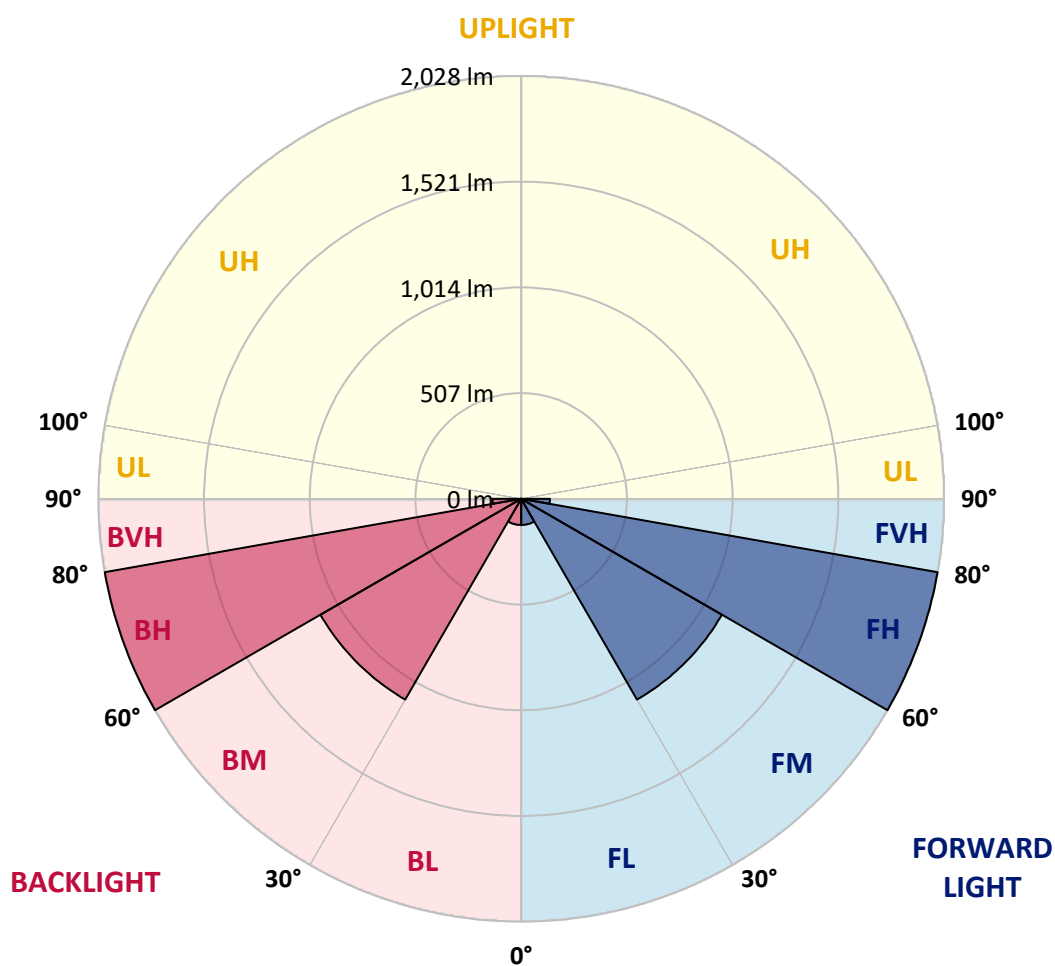
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	125.6	1.8			
FM	(30°-60°)	1111.6	16.3			
FH	(60°-80°)	2028.0	29.8			G2/5000
FVH	(80°-90°)	137.8	2.0			G2/225
BL	(0°-30°)	125.6	1.8	B1/500		
BM	(30°-60°)	1111.6	16.3	B2/2500		
BH	(60°-80°)	2028.0	29.8	B3/2500		G2/5000
BVH	(80°-90°)	137.8	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°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
2.5°	15.1	14.3	13.6	24.9	12.8	10.6	5.3	3.0	2.3	2.3	2.3
5°	53.6	53.6	53.6	102.7	52.9	51.3	44.5	39.3	10.6	3.0	2.3
7.5°	93.6	93.6	72.5	104.2	63.4	54.4	52.1	50.6	40.8	8.3	3.8
10°	149.5	148.7	144.2	179.0	138.2	103.4	62.7	52.9	46.8	25.7	15.9
12.5°	160.8	159.3	155.5	198.6	150.3	146.5	113.3	77.8	104.2	155.5	132.1
15°	241.6	243.1	213.7	216.0	189.5	154.8	169.9	200.8	166.9	179.0	152.5
17.5°	265.8	264.3	259.0	302.8	248.4	207.6	231.1	235.6	200.8	234.8	239.4
20°	330.0	325.4	305.1	314.1	265.0	289.9	271.1	275.6	309.6	303.5	308.8
22.5°	382.8	382.1	372.3	404.7	331.5	326.2	310.3	336.0	342.0	331.5	381.3
25°	434.9	430.4	388.1	425.9	376.8	375.3	370.7	367.7	406.2	441.7	465.9
27.5°	494.6	492.3	477.2	504.4	438.7	400.2	402.5	428.1	451.5	463.6	542.9
30°	552.0	551.2	500.6	532.3	487.0	457.6	443.2	467.4	511.2	585.2	633.5
32.5°	632.0	629.0	593.5	620.7	530.1	501.4	490.8	508.2	570.8	607.1	658.4
35°	718.8	715.8	642.6	664.5	580.7	540.6	521.0	561.0	585.9	640.3	698.4
37.5°	764.1	758.9	721.1	710.5	656.2	590.5	563.3	588.2	621.4	682.6	741.5
40°	817.7	815.5	784.5	774.0	702.2	637.3	596.5	624.4	671.3	732.4	799.6
42.5°	881.9	880.4	852.5	853.2	762.6	696.2	637.3	677.3	726.4	807.2	881.9
45°	959.7	954.4	935.5	936.3	839.6	761.1	695.4	747.5	784.5	879.7	965.7
47.5°	1047.3	1046.5	1025.4	1025.4	917.4	837.4	764.9	835.9	876.6	989.1	1055.6
50°	1147.7	1146.2	1131.1	1131.1	1019.4	920.4	848.7	934.0	978.6	1087.3	1160.5
52.5°	1258.0	1257.2	1253.4	1245.1	1132.6	1036.7	954.4	1051.8	1090.3	1211.9	1275.3
55°	1389.3	1399.2	1396.1	1402.2	1281.4	1180.9	1082.8	1187.7	1229.3	1351.6	1399.9
57.5°	1556.2	1553.2	1568.3	1606.8	1455.8	1365.2	1244.4	1363.7	1378.8	1494.3	1539.6
60°	1708.7	1712.5	1742.0	1823.5	1637.0	1575.1	1436.9	1550.9	1551.7	1650.6	1684.6
62.5°	1871.8	1878.6	1929.2	2067.4	1828.0	1787.3	1647.6	1735.2	1727.6	1813.7	1847.7
65°	2055.3	2064.4	2133.1	2308.3	2041.0	1990.4	1845.4	1915.6	1913.4	2028.1	2025.1
67.5°	2278.1	2289.4	2351.3	2576.3	2293.9	2179.9	2012.3	2097.6	2090.0	2204.1	2195.8
70°	2456.3	2468.3	2535.5	2740.9	2463.8	2326.4	2153.5	2245.6	2251.6	2358.9	2370.9
71°	2476.6	2494.8	2565.7	2744.7	2500.1	2366.4	2201.0	2292.4	2275.0	2389.8	2402.6
72.5°	2416.2	2433.6	2526.5	2673.7	2515.2	2385.3	2270.5	2325.6	2257.7	2365.6	2365.6
75°	2050.8	2050.8	2181.4	2186.7	2295.4	2299.2	2317.3	2269.0	2056.1	2063.6	2029.6
77.5°	1279.9	1293.4	1430.1	1318.4	1671.0	1950.4	2141.4	1933.7	1575.1	1429.4	1318.4
80°	486.3	480.2	638.8	487.8	888.0	1316.9	1612.1	1322.1	835.1	550.4	413.0
82.5°	111.8	142.7	197.8	191.8	296.0	581.4	895.5	587.4	268.1	208.4	160.8
85°	55.1	58.1	98.9	105.0	117.8	159.3	296.7	182.7	137.4	136.7	100.4
87.5°	22.7	26.4	55.1	53.6	52.9	66.4	60.4	85.3	87.6	92.9	58.9
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°	2.3
2.5°	2.3
5°	2.3
7.5°	3.8
10°	15.9
12.5°	126.1
15°	159.3
17.5°	238.6
20°	310.3
22.5°	389.6
25°	463.6
27.5°	553.5
30°	638.8
32.5°	682.6
35°	716.6
37.5°	758.9
40°	813.2
42.5°	887.2
45°	969.5
47.5°	1060.9
50°	1166.6
52.5°	1278.3
55°	1399.2
57.5°	1543.4
60°	1678.5
62.5°	1846.9
65°	2020.6
67.5°	2193.5
70°	2360.4
71°	2398.1
72.5°	2351.3
75°	2022.1
77.5°	1295.0
80°	392.6
82.5°	150.3
85°	95.9
87.5°	55.1
90°	0.0

(END OF REPORT)