

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: P239393

Luminaire Tested: **UTLD-AF24-60-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239393
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-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 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: 6025 lumens
Efficiency: N/A
Efficacy: 94.1 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): 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

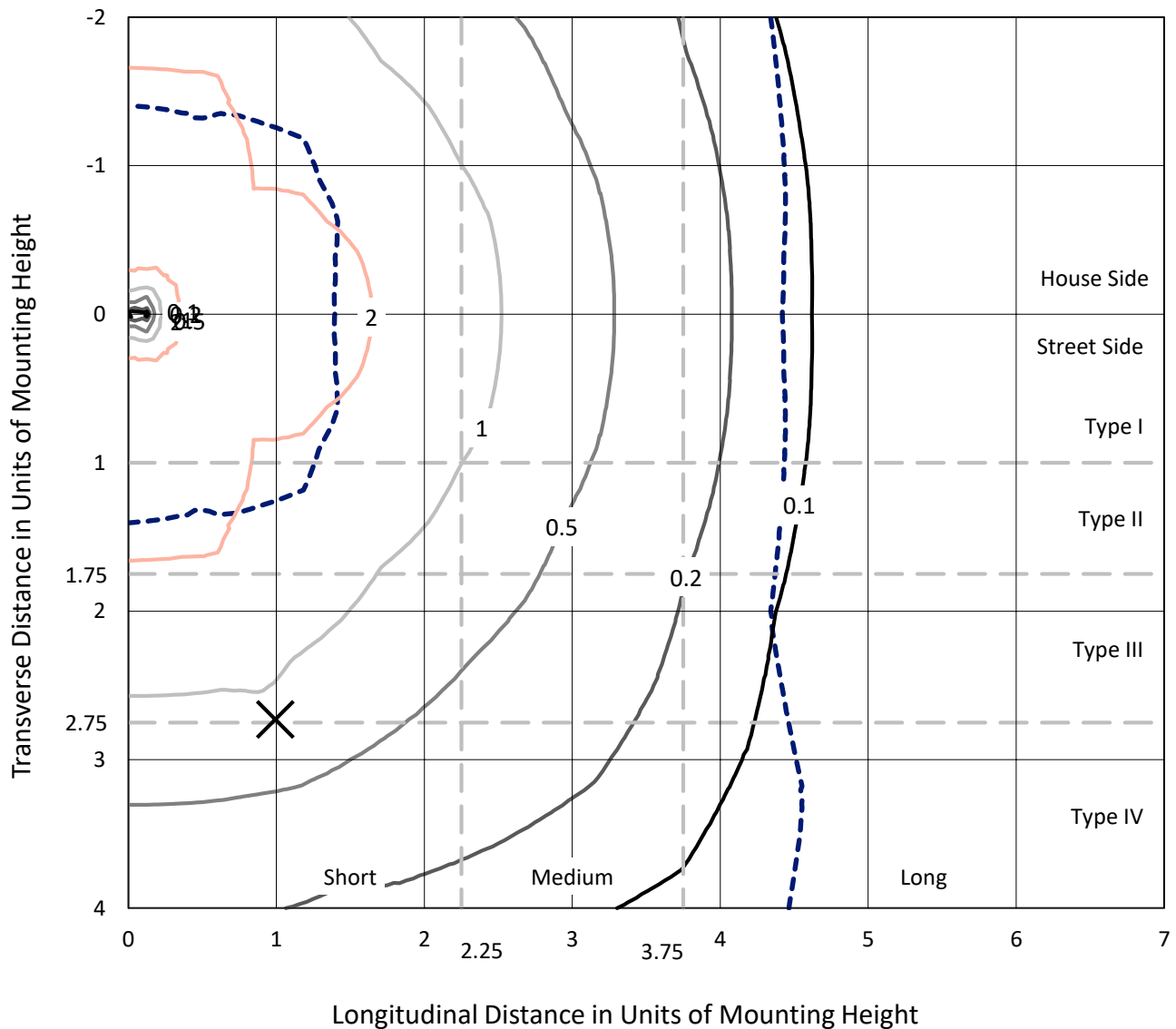


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

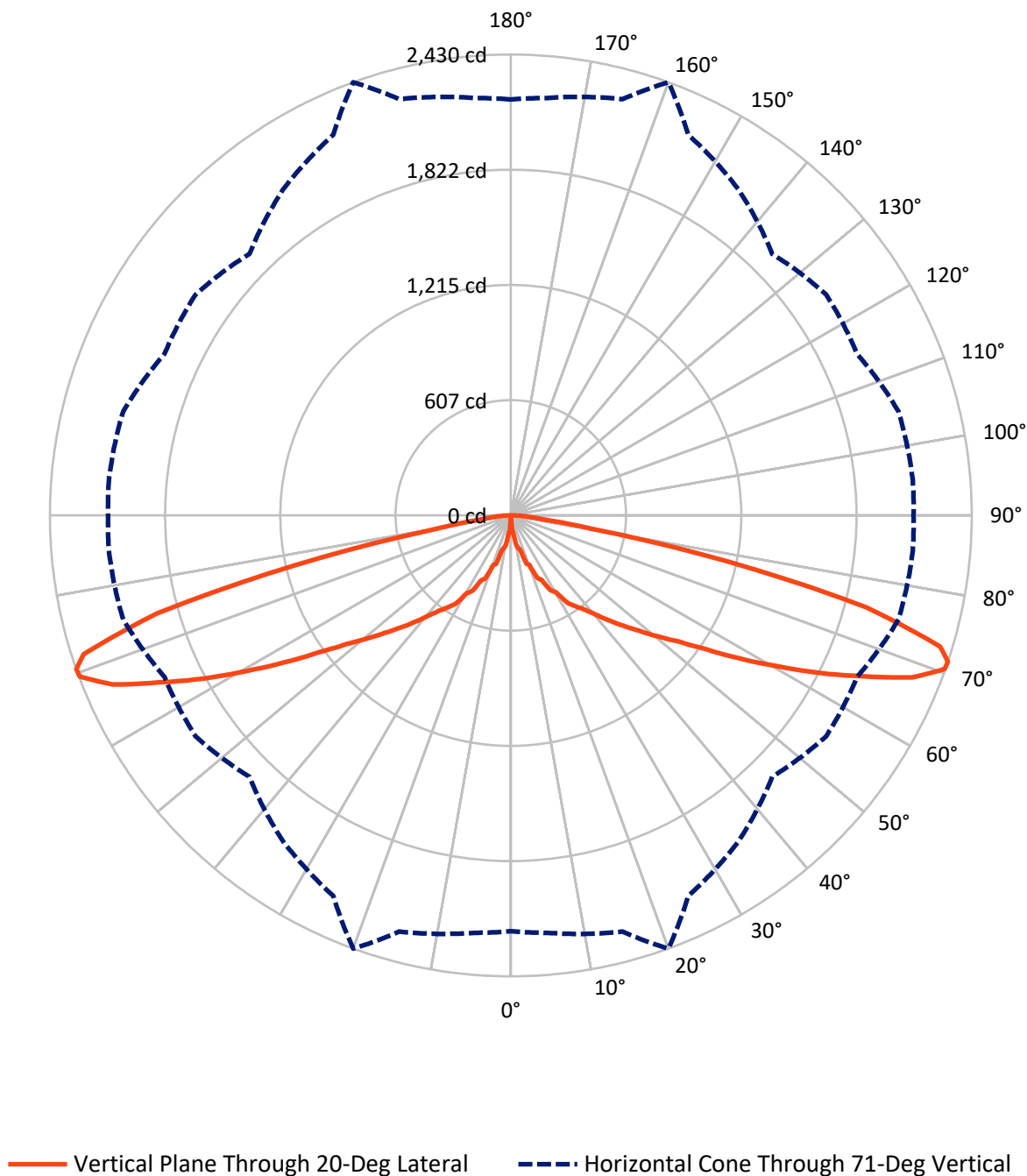


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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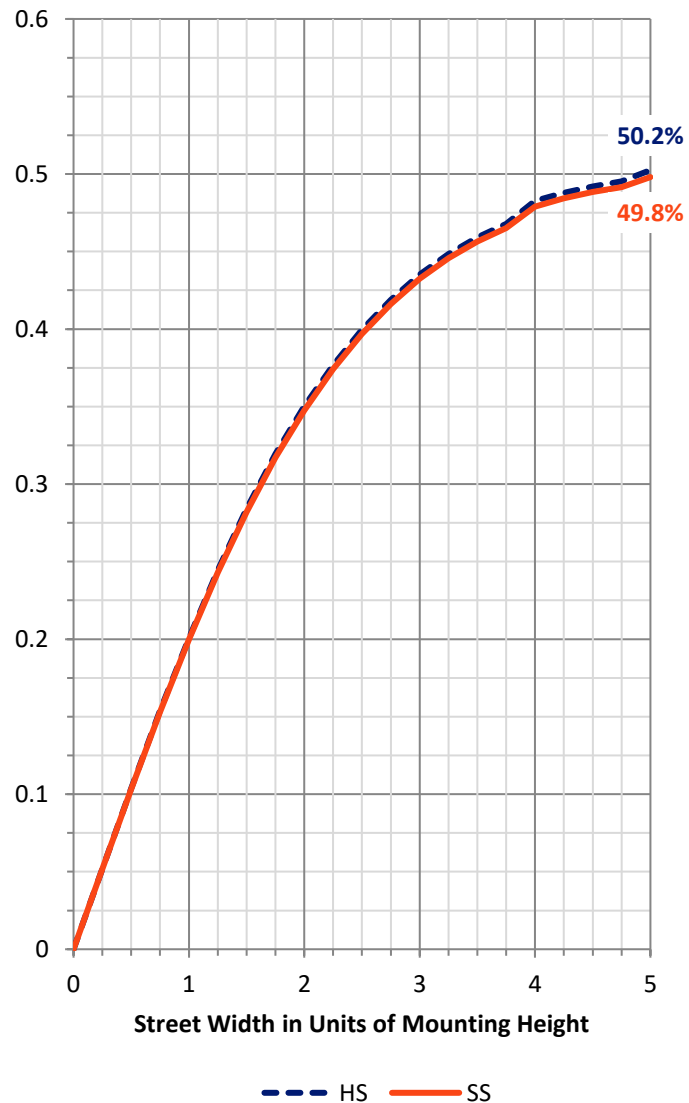
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3012.5	0.0	3012.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3012.5	0.0	3012.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6025.0	0.0	6025.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	49.8	0.8
20°-30°	168.5	2.8
30°-40°	343.5	5.7
40°-50°	588.3	9.8
50°-60°	1036.4	17.2
60°-70°	1765.0	29.3
70°-80°	1825.6	30.3
80°-90°	243.9	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°	6025.0	100.0
0°-180°	6025.0	100.0

Coefficient of Utilization



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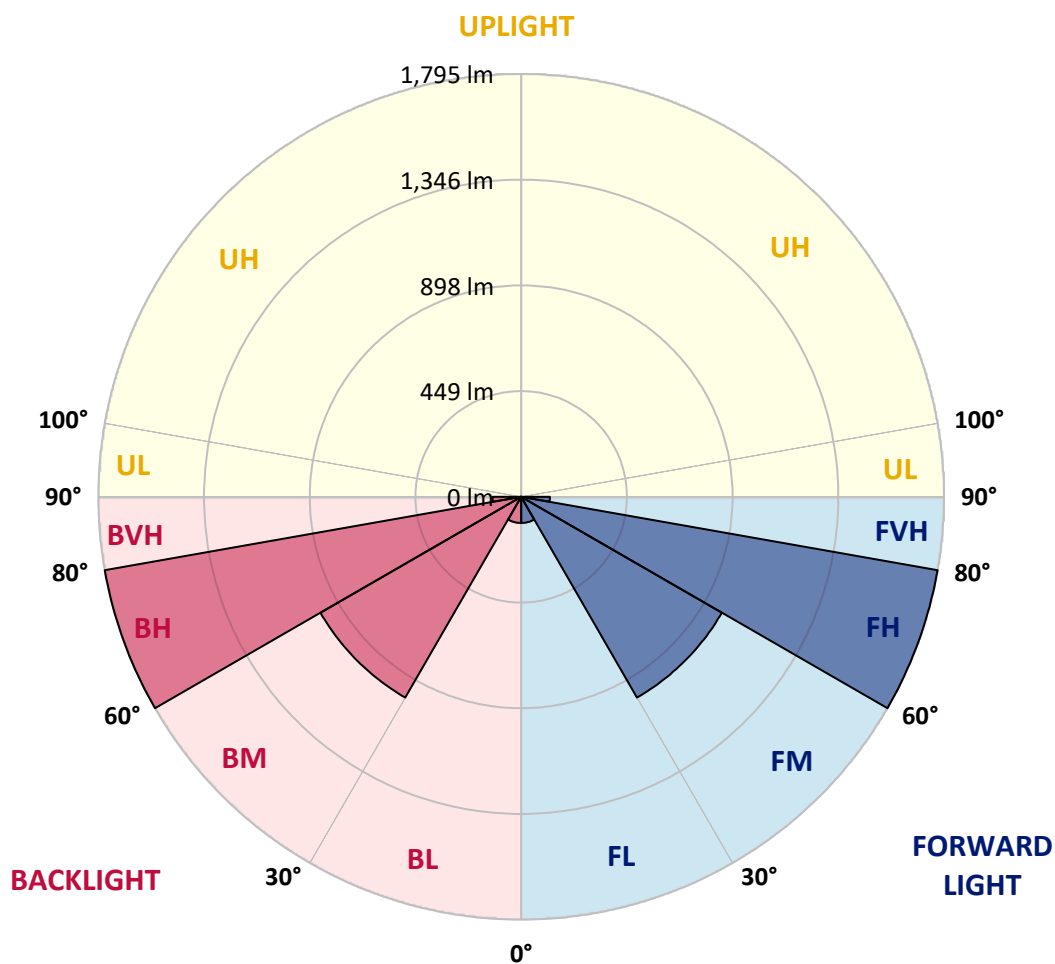
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	111.2	1.8			
FM	(30°-60°)	984.1	16.3			
FH	(60°-80°)	1795.3	29.8			G1/1800
FVH	(80°-90°)	122.0	2.0			G2/225
BL	(0°-30°)	111.2	1.8	B1/500		
BM	(30°-60°)	984.1	16.3	B1/1000		
BH	(60°-80°)	1795.3	29.8	B3/2500		G1/1800
BVH	(80°-90°)	122.0	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°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
2.5°	13.4	12.7	12.0	22.1	11.4	9.4	4.7	2.7	2.0	2.0	2.0
5°	47.5	47.5	47.5	90.9	46.8	45.5	39.4	34.8	9.4	2.7	2.0
7.5°	82.9	82.9	64.2	92.2	56.1	48.1	46.1	44.8	36.1	7.4	3.3
10°	132.3	131.7	127.7	158.4	122.3	91.6	55.5	46.8	41.4	22.7	14.0
12.5°	142.4	141.0	137.7	175.8	133.0	129.7	100.3	68.8	92.2	137.7	117.0
15°	213.9	215.2	189.2	191.2	167.8	137.0	150.4	177.8	147.7	158.4	135.0
17.5°	235.3	233.9	229.3	268.0	219.9	183.8	204.5	208.5	177.8	207.9	211.9
20°	292.1	288.1	270.0	278.1	234.6	256.7	240.0	244.0	274.1	268.7	273.4
22.5°	338.9	338.2	329.5	358.3	293.4	288.8	274.7	297.5	302.8	293.4	337.6
25°	385.0	381.0	343.6	377.0	333.5	332.2	328.2	325.5	359.6	391.0	412.4
27.5°	437.8	435.8	422.4	446.5	388.4	354.3	356.3	379.0	399.7	410.4	480.6
30°	488.6	488.0	443.2	471.2	431.1	405.1	392.4	413.8	452.5	518.0	560.8
32.5°	559.5	556.8	525.4	549.4	469.2	443.8	434.5	449.9	505.3	537.4	582.9
35°	636.3	633.7	568.8	588.2	514.0	478.6	461.2	496.6	518.7	566.8	618.3
37.5°	676.4	671.8	638.3	629.0	580.9	522.7	498.6	520.7	550.1	604.3	656.4
40°	723.9	721.9	694.5	685.1	621.6	564.2	528.1	552.8	594.2	648.4	707.9
42.5°	780.7	779.4	754.7	755.3	675.1	616.3	564.2	599.6	643.0	714.6	780.7
45°	849.6	844.9	828.2	828.9	743.3	673.8	615.6	661.7	694.5	778.7	854.9
47.5°	927.1	926.4	907.7	907.7	812.1	741.3	677.1	740.0	776.0	875.6	934.5
50°	1016.0	1014.7	1001.3	1001.3	902.4	814.8	751.3	826.8	866.3	962.5	1027.4
52.5°	1113.6	1112.9	1109.6	1102.2	1002.6	917.8	844.9	931.1	965.2	1072.8	1129.0
55°	1229.9	1238.6	1235.9	1241.3	1134.3	1045.4	958.5	1051.4	1088.2	1196.5	1239.3
57.5°	1377.6	1375.0	1388.3	1422.4	1288.7	1208.5	1101.6	1207.2	1220.6	1322.8	1362.9
60°	1512.7	1516.0	1542.1	1614.3	1449.2	1394.3	1272.0	1373.0	1373.6	1461.2	1491.3
62.5°	1657.0	1663.1	1707.8	1830.2	1618.3	1582.2	1458.5	1536.0	1529.4	1605.6	1635.6
65°	1819.5	1827.5	1888.3	2043.4	1806.8	1762.0	1633.6	1695.8	1693.8	1795.4	1792.7
67.5°	2016.6	2026.7	2081.5	2280.7	2030.7	1929.8	1781.4	1856.9	1850.2	1951.1	1943.8
70°	2174.4	2185.1	2244.6	2426.4	2181.1	2059.4	1906.4	1987.9	1993.3	2088.2	2098.9
71°	2192.4	2208.5	2271.3	2429.7	2213.2	2094.9	1948.5	2029.3	2014.0	2115.6	2126.9
72.5°	2139.0	2154.3	2236.6	2366.9	2226.5	2111.6	2010.0	2058.8	1998.6	2094.2	2094.2
75°	1815.5	1815.5	1931.1	1935.8	2032.0	2035.4	2051.4	2008.6	1820.1	1826.8	1796.7
77.5°	1133.0	1145.0	1266.0	1167.1	1479.2	1726.6	1895.7	1711.8	1394.3	1265.3	1167.1
80°	430.5	425.1	565.5	431.8	786.1	1165.7	1427.1	1170.4	739.3	487.3	365.6
82.5°	98.9	126.3	175.1	169.8	262.0	514.7	792.8	520.0	237.3	184.5	142.4
85°	48.8	51.5	87.6	92.9	104.3	141.0	262.7	161.8	121.7	121.0	88.9
87.5°	20.1	23.4	48.8	47.5	46.8	58.8	53.5	75.5	77.5	82.2	52.1
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°	2.0
2.5°	2.0
5°	2.0
7.5°	3.3
10°	14.0
12.5°	111.6
15°	141.0
17.5°	211.2
20°	274.7
22.5°	344.9
25°	410.4
27.5°	490.0
30°	565.5
32.5°	604.3
35°	634.3
37.5°	671.8
40°	719.9
42.5°	785.4
45°	858.3
47.5°	939.1
50°	1032.7
52.5°	1131.6
55°	1238.6
57.5°	1366.3
60°	1485.9
62.5°	1635.0
65°	1788.7
67.5°	1941.8
70°	2089.5
71°	2122.9
72.5°	2081.5
75°	1790.1
77.5°	1146.4
80°	347.6
82.5°	133.0
85°	84.9
87.5°	48.8
90°	0.0

(END OF REPORT)