

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: P266391

Luminaire Tested: **UTLD-AF24-60-D-U-5WQ-7027**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P266391
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-1710-388-9-U0)
Test Lab: INNOVATION CENTER(G1)
Issue Date: 5/28/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: UTLD-AF24-60-D-U-5WQ-7027
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 2700K, 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: 5913.4 lumens
Efficiency: N/A
Efficacy: 92.4 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

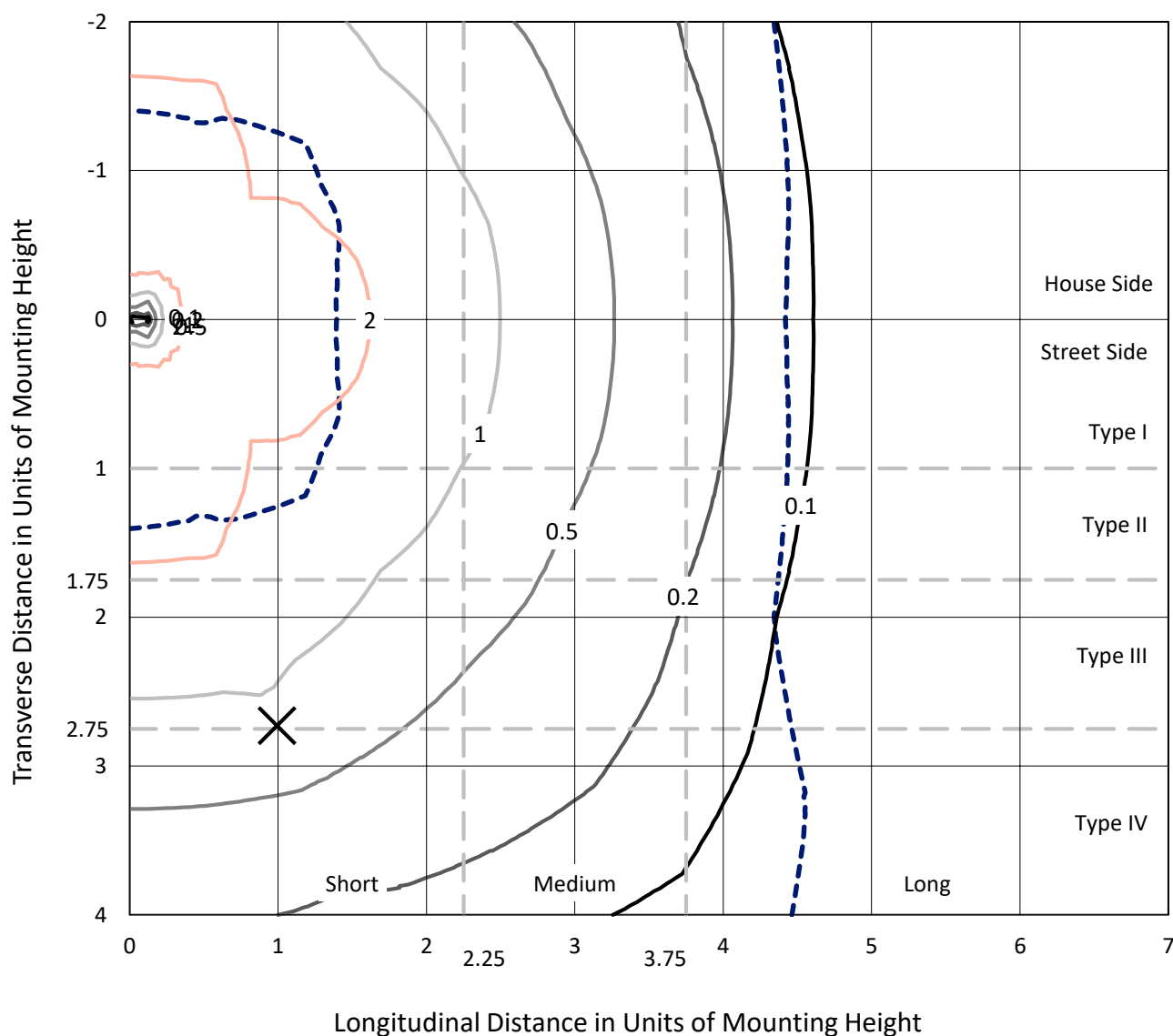


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

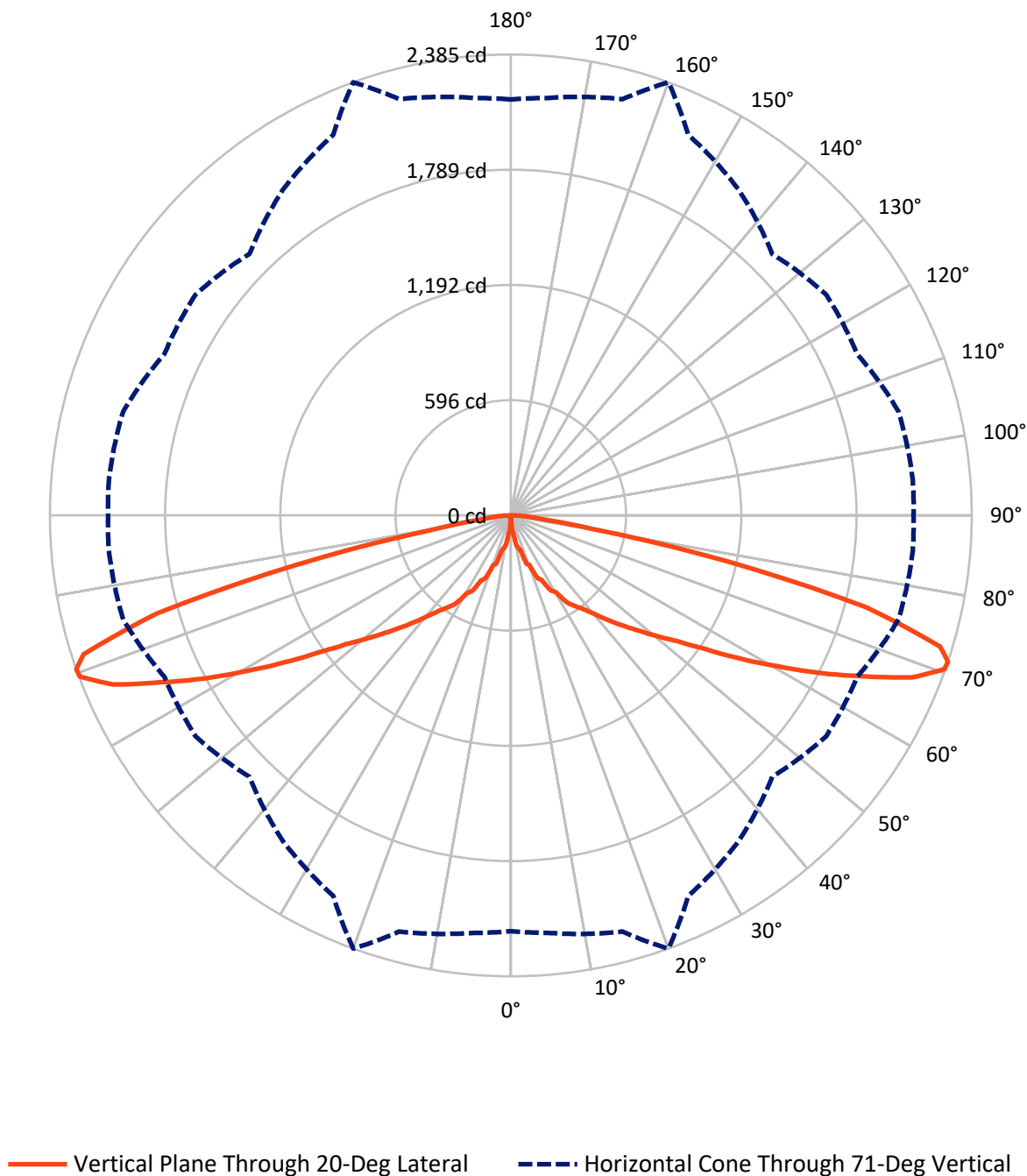


Based on 10 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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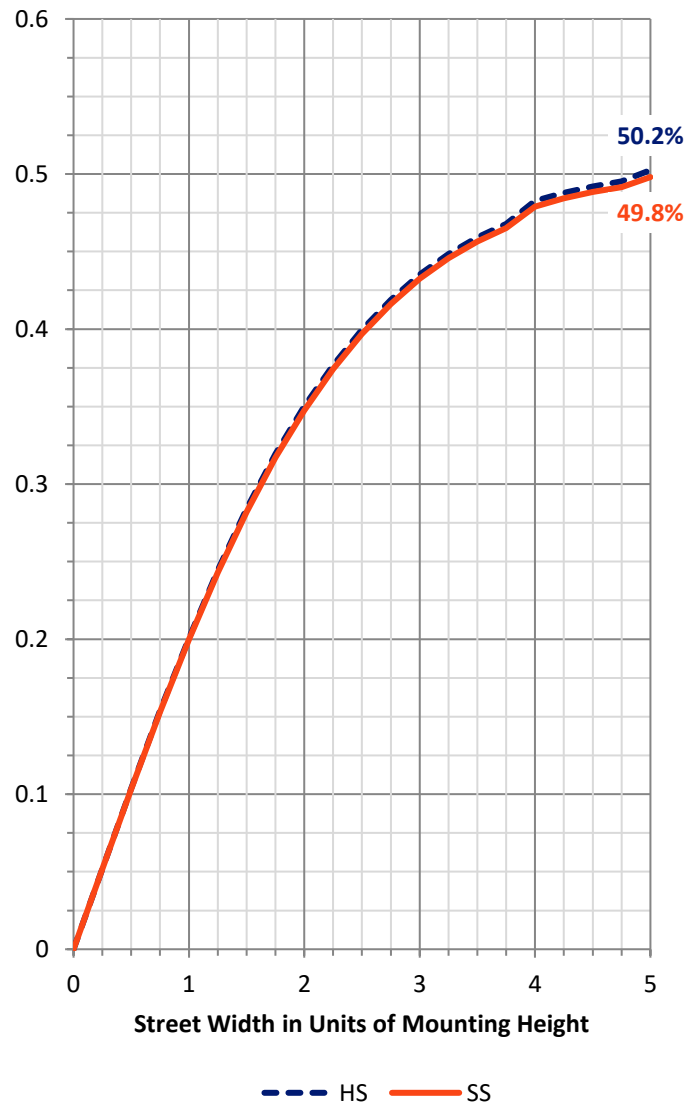
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2956.7	0.0	2956.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2956.7	0.0	2956.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	5913.4	0.0	5913.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	4.0	0.1
10°-20°	48.8	0.8
20°-30°	165.4	2.8
30°-40°	337.1	5.7
40°-50°	577.4	9.8
50°-60°	1017.2	17.2
60°-70°	1732.3	29.3
70°-80°	1791.8	30.3
80°-90°	239.4	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°	5913.4	100.0
0°-180°	5913.4	100.0

Coefficient of Utilization



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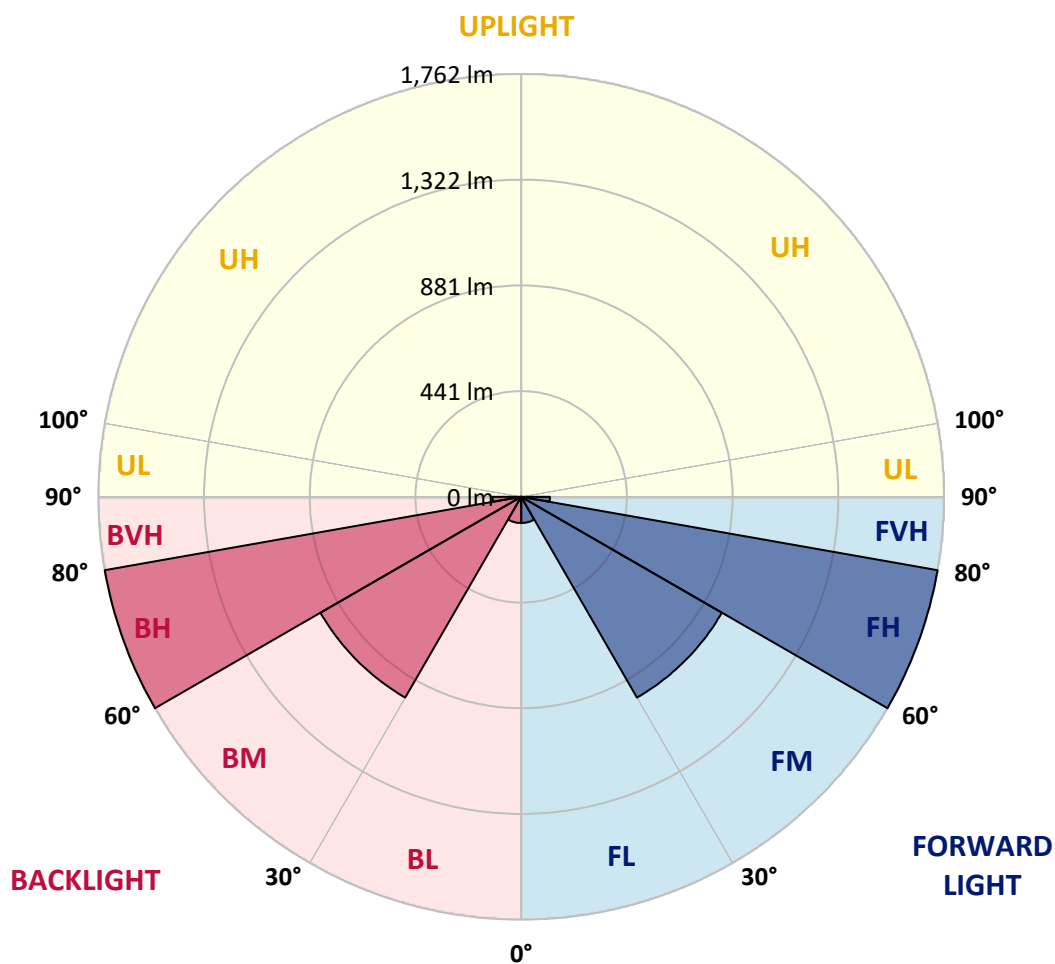
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	109.1	1.8			
FM	(30°-60°)	965.8	16.3			
FH	(60°-80°)	1762.1	29.8			G1/1800
FVH	(80°-90°)	119.7	2.0			G2/225
BL	(0°-30°)	109.1	1.8	B0/110		
BM	(30°-60°)	965.8	16.3	B1/1000		
BH	(60°-80°)	1762.1	29.8	B3/2500		G1/1800
BVH	(80°-90°)	119.7	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°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9	1.9
2.5°	13.1	12.4	11.8	21.6	11.1	9.3	4.6	2.6	1.9	1.9	1.9
5°	46.6	46.6	46.6	89.2	46.0	44.6	38.6	34.1	9.3	2.6	1.9
7.5°	81.3	81.3	63.1	90.5	55.1	47.3	45.3	43.9	35.5	7.2	3.2
10°	129.8	129.3	125.4	155.4	120.1	89.9	54.4	46.0	40.7	22.3	13.7
12.5°	139.7	138.3	135.1	172.6	130.6	127.3	98.5	67.6	90.5	135.1	114.9
15°	209.9	211.2	185.7	187.7	164.7	134.4	147.6	174.5	144.9	155.4	132.5
17.5°	231.0	229.5	225.0	263.1	215.9	180.4	200.7	204.6	174.5	204.1	208.0
20°	286.6	282.7	265.0	272.9	230.2	252.0	235.5	239.5	269.0	263.7	268.4
22.5°	332.6	332.0	323.4	351.6	287.9	283.4	269.6	291.9	297.2	287.9	331.4
25°	377.8	374.0	337.3	370.0	327.3	326.1	322.1	319.4	352.9	383.8	404.7
27.5°	429.7	427.8	414.6	438.3	381.2	347.7	349.7	372.0	392.3	402.8	471.7
30°	479.5	478.9	435.0	462.4	423.1	397.6	385.2	406.2	444.1	508.4	550.4
32.5°	549.1	546.4	515.6	539.3	460.6	435.6	426.4	441.5	496.0	527.5	572.1
35°	624.5	621.9	558.2	577.3	504.5	469.8	452.7	487.4	509.1	556.3	606.9
37.5°	663.8	659.4	626.5	617.3	570.2	513.0	489.3	511.0	539.9	593.2	644.3
40°	710.5	708.6	681.6	672.4	610.0	553.7	518.3	542.5	583.2	636.4	694.7
42.5°	766.3	764.9	740.7	741.3	662.6	604.9	553.7	588.5	631.1	701.3	766.3
45°	833.8	829.2	812.8	813.5	729.6	661.3	604.2	649.5	681.6	764.3	839.0
47.5°	910.0	909.3	890.8	890.8	797.1	727.5	664.6	726.3	761.7	859.4	917.2
50°	997.2	996.0	982.7	982.7	885.6	799.8	737.4	811.4	850.2	944.7	1008.3
52.5°	1093.0	1092.2	1089.0	1081.7	984.1	900.8	829.2	913.8	947.4	1053.0	1108.1
55°	1207.1	1215.6	1213.0	1218.3	1113.3	1026.0	940.7	1032.0	1068.1	1174.4	1216.3
57.5°	1352.0	1349.6	1362.5	1396.1	1264.9	1186.1	1081.2	1184.9	1198.0	1298.3	1337.7
60°	1484.7	1488.0	1513.6	1584.4	1422.3	1368.5	1248.5	1347.5	1348.1	1434.1	1463.7
62.5°	1626.3	1632.3	1676.1	1796.3	1588.4	1552.9	1431.4	1507.5	1501.1	1575.8	1605.4
65°	1785.8	1793.6	1853.4	2005.6	1773.3	1729.3	1603.4	1664.4	1662.5	1762.1	1759.5
67.5°	1979.2	1989.1	2042.9	2238.4	1993.1	1894.0	1748.5	1822.5	1816.0	1914.9	1907.8
70°	2134.2	2144.7	2203.1	2381.4	2140.8	2021.2	1871.1	1951.1	1956.4	2049.6	2060.1
71°	2151.8	2167.6	2229.2	2384.7	2172.2	2056.1	1912.4	1991.7	1976.7	2076.4	2087.5
72.5°	2099.3	2114.4	2195.2	2323.0	2185.2	2072.5	1972.8	2020.6	1961.5	2055.4	2055.4
75°	1781.9	1781.9	1895.3	1899.9	1994.3	1997.7	2013.5	1971.4	1786.4	1792.9	1763.5
77.5°	1112.0	1123.8	1242.5	1145.5	1451.8	1694.7	1860.6	1680.1	1368.5	1241.8	1145.5
80°	422.6	417.3	555.1	423.8	771.6	1144.1	1400.6	1148.8	725.7	478.3	358.9
82.5°	97.0	124.0	171.8	166.6	257.2	505.1	778.1	510.3	232.9	181.1	139.7
85°	47.9	50.6	86.0	91.2	102.3	138.3	257.9	158.8	119.5	118.8	87.2
87.5°	19.8	22.9	47.9	46.6	46.0	57.8	52.6	74.1	76.0	80.7	51.2
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°	1.9
2.5°	1.9
5°	1.9
7.5°	3.2
10°	13.7
12.5°	109.6
15°	138.3
17.5°	207.2
20°	269.6
22.5°	338.5
25°	402.8
27.5°	481.0
30°	555.1
32.5°	593.2
35°	622.5
37.5°	659.4
40°	706.5
42.5°	770.8
45°	842.4
47.5°	921.8
50°	1013.6
52.5°	1110.7
55°	1215.6
57.5°	1341.0
60°	1458.4
62.5°	1604.7
65°	1755.6
67.5°	1905.8
70°	2050.8
71°	2083.6
72.5°	2042.9
75°	1756.9
77.5°	1125.1
80°	341.1
82.5°	130.6
85°	83.4
87.5°	47.9
90°	0.0

(END OF REPORT)