

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: P239395

Luminaire Tested: **UTLD-AF24-80-D-U-5WQ-7030**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239395
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-AF24-80-D-U-5WQ-7030
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 7376 lumens
Efficiency: N/A
Efficacy: 88.9 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): 83
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

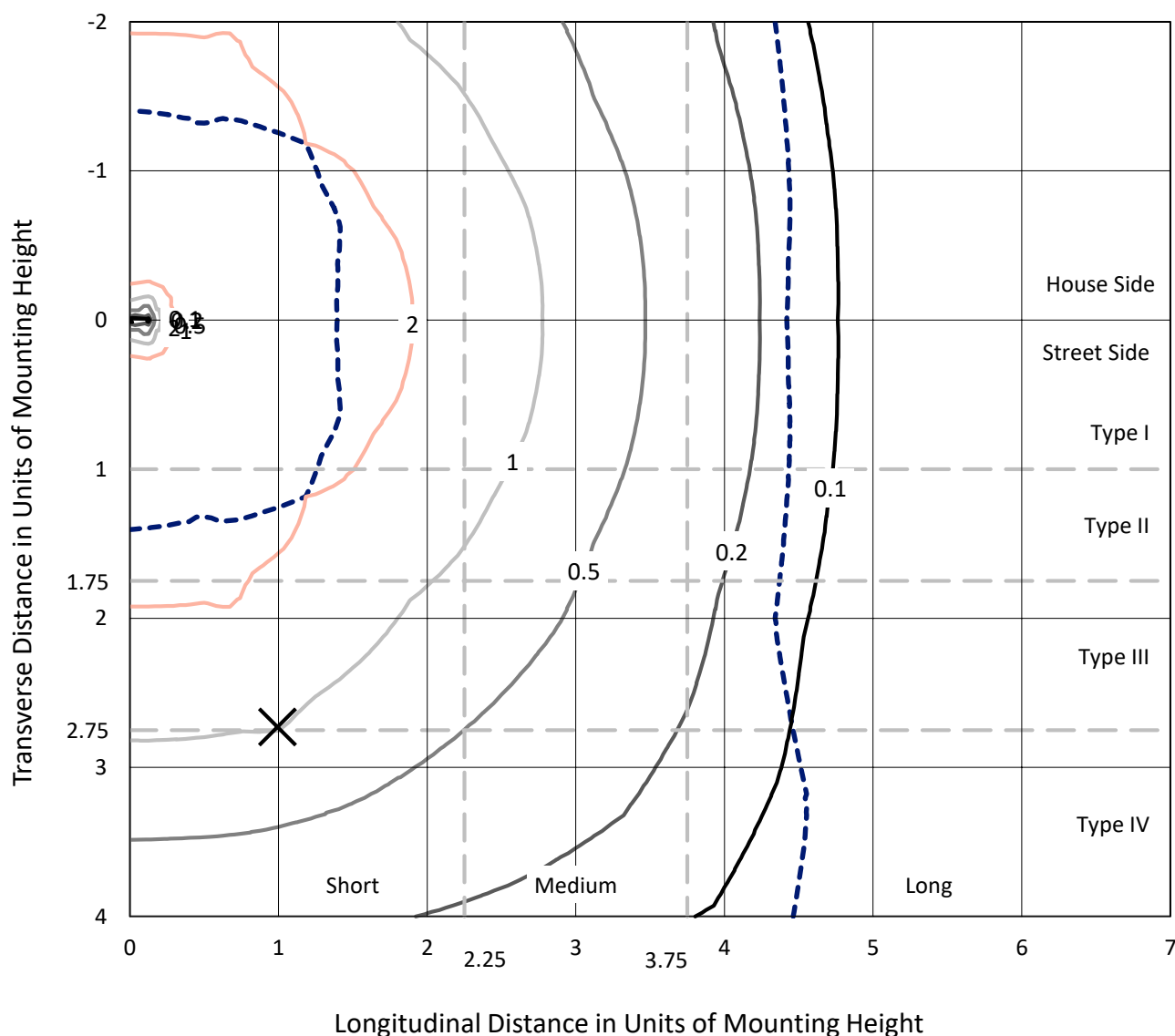


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

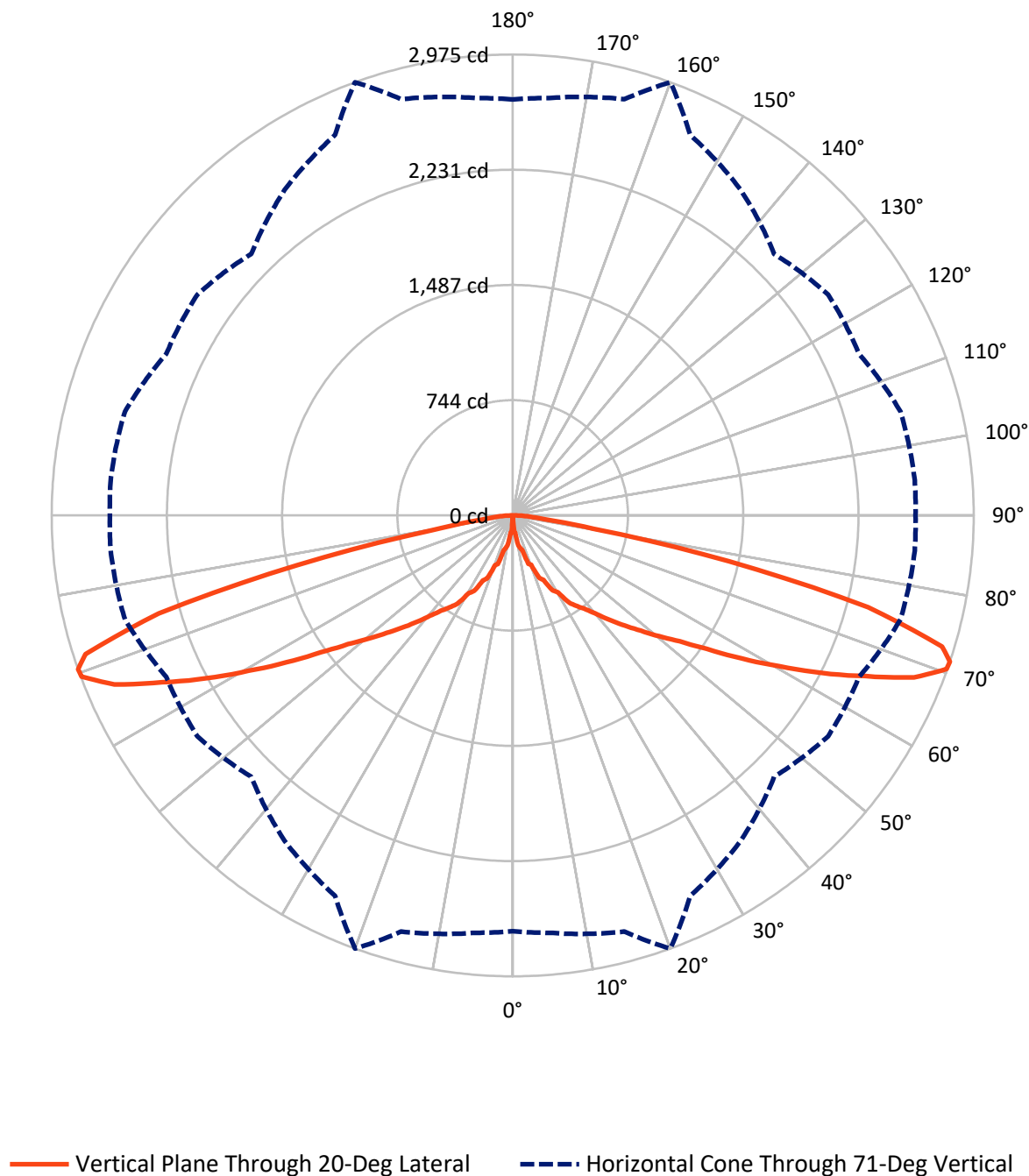


Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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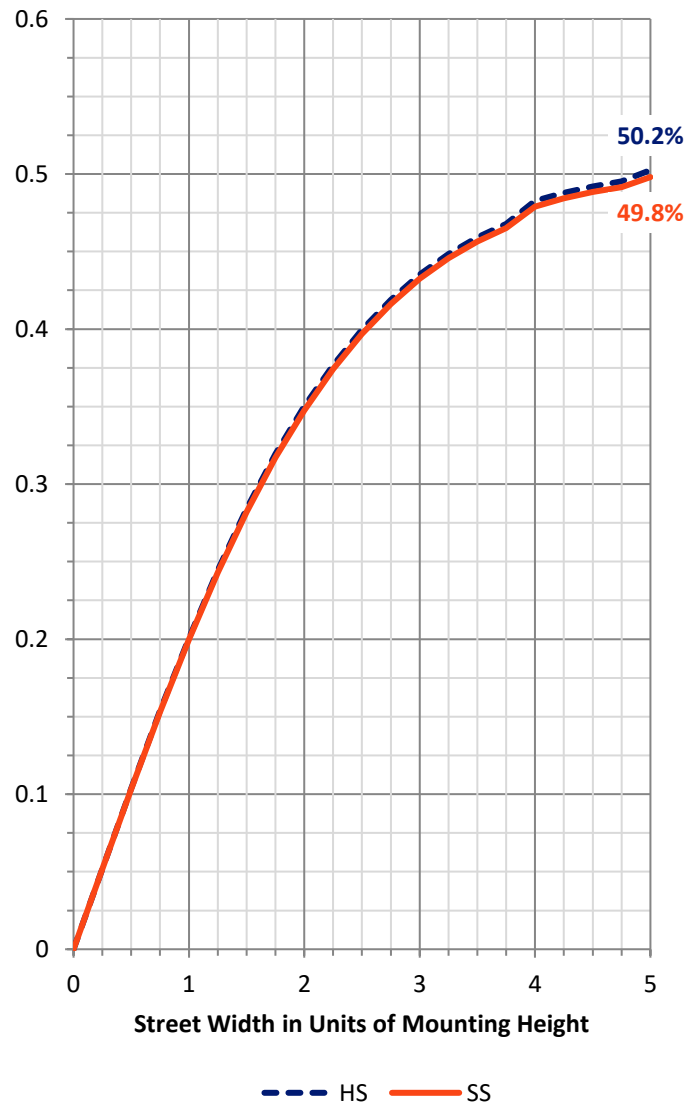
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3688.0	0.0	3688.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3688.0	0.0	3688.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7376.0	0.0	7376.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	5.0	0.1
10°-20°	60.9	0.8
20°-30°	206.3	2.8
30°-40°	420.5	5.7
40°-50°	720.2	9.8
50°-60°	1268.8	17.2
60°-70°	2160.8	29.3
70°-80°	2235.0	30.3
80°-90°	298.6	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°	7376.0	100.0
0°-180°	7376.0	100.0

Coefficient of Utilization



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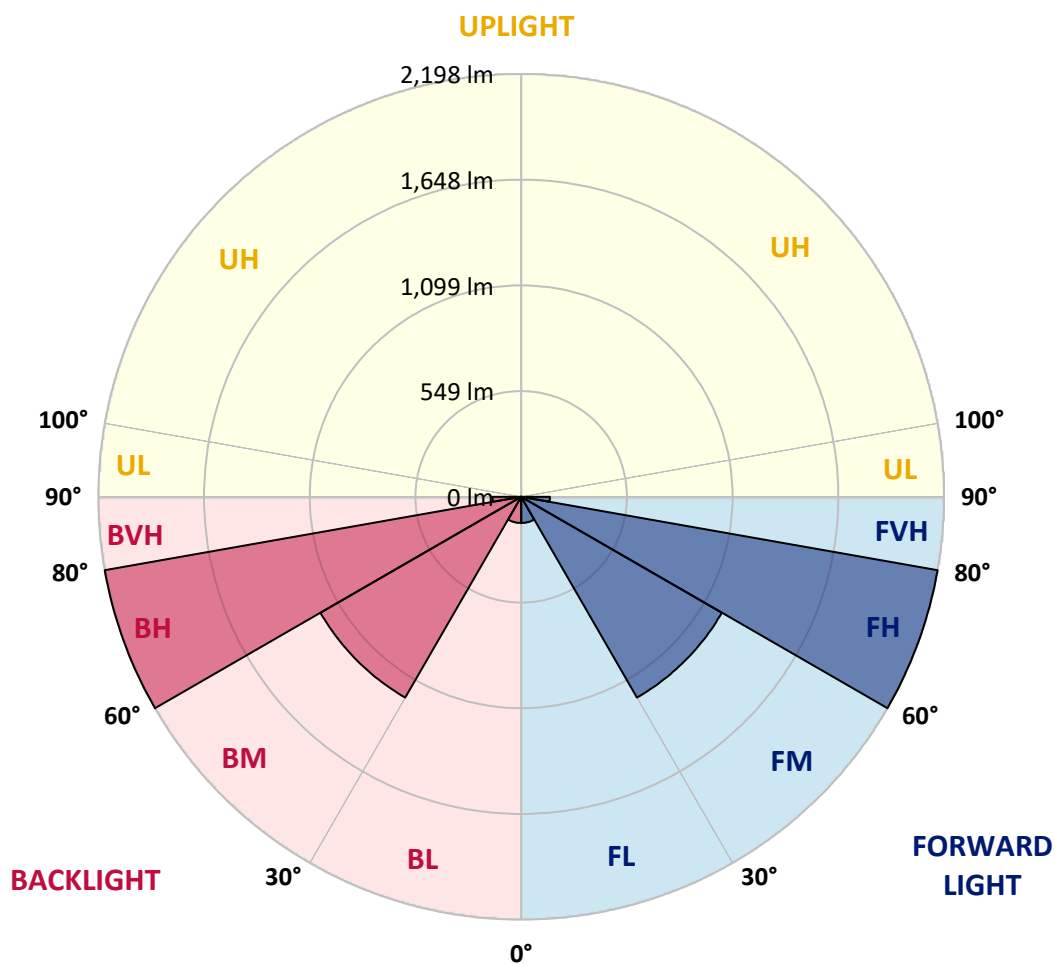
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	136.1	1.8			
FM	(30°-60°)	1204.7	16.3			
FH	(60°-80°)	2197.9	29.8			G2/5000
FVH	(80°-90°)	149.3	2.0			G2/225
BL	(0°-30°)	136.1	1.8	B1/500		
BM	(30°-60°)	1204.7	16.3	B2/2500		
BH	(60°-80°)	2197.9	29.8	B3/2500		G2/5000
BVH	(80°-90°)	149.3	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°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
2.5°	16.4	15.5	14.7	27.0	13.9	11.5	5.7	3.3	2.5	2.5	2.5
5°	58.1	58.1	58.1	111.3	57.3	55.6	48.3	42.6	11.5	3.3	2.5
7.5°	101.5	101.5	78.6	112.9	68.7	58.9	56.5	54.8	44.2	9.0	4.1
10°	162.0	161.2	156.3	193.9	149.8	112.1	67.9	57.3	50.7	27.8	17.2
12.5°	174.3	172.7	168.6	215.2	162.8	158.8	122.7	84.3	112.9	168.6	143.2
15°	261.9	263.5	231.6	234.0	205.4	167.8	184.1	217.7	180.8	193.9	165.3
17.5°	288.0	286.4	280.7	328.1	269.2	225.0	250.4	255.3	217.7	254.5	259.4
20°	357.6	352.7	330.6	340.4	287.2	314.2	293.8	298.7	335.5	329.0	334.7
22.5°	414.9	414.1	403.4	438.6	359.2	353.5	336.3	364.1	370.7	359.2	413.2
25°	471.3	466.4	420.6	461.5	408.3	406.7	401.8	398.5	440.3	478.7	504.9
27.5°	536.0	533.5	517.2	546.6	475.4	433.7	436.2	464.0	489.4	502.4	588.4
30°	598.2	597.4	542.5	576.9	527.8	495.9	480.3	506.5	554.0	634.2	686.6
32.5°	684.9	681.7	643.2	672.7	574.5	543.4	531.9	550.7	618.6	657.9	713.6
35°	779.0	775.8	696.4	720.1	629.3	585.9	564.6	608.0	635.0	693.9	756.9
37.5°	828.1	822.4	781.5	770.0	711.1	639.9	610.5	637.5	673.5	739.8	803.6
40°	886.2	883.8	850.2	838.8	761.0	690.7	646.5	676.7	727.5	793.8	866.6
42.5°	955.8	954.2	923.9	924.7	826.5	754.5	690.7	734.0	787.2	874.8	955.8
45°	1040.1	1034.3	1013.9	1014.7	910.0	824.9	753.7	810.1	850.2	953.3	1046.6
47.5°	1135.0	1134.2	1111.3	1111.3	994.2	907.5	828.9	905.9	950.1	1072.0	1144.0
50°	1243.8	1242.2	1225.8	1225.8	1104.7	997.5	919.8	1012.3	1060.5	1178.4	1257.7
52.5°	1363.3	1362.5	1358.4	1349.4	1227.5	1123.5	1034.3	1139.9	1181.6	1313.4	1382.1
55°	1505.7	1516.3	1513.1	1519.6	1388.7	1279.8	1173.5	1287.2	1332.2	1464.8	1517.2
57.5°	1686.5	1683.3	1699.6	1741.4	1577.7	1479.5	1348.6	1477.9	1494.2	1619.4	1668.5
60°	1851.8	1855.9	1887.8	1976.2	1774.1	1707.0	1557.2	1680.8	1681.6	1788.8	1825.7
62.5°	2028.6	2036.0	2090.8	2240.5	1981.1	1936.9	1785.6	1880.5	1872.3	1965.6	2002.4
65°	2227.4	2237.3	2311.7	2501.6	2211.9	2157.1	2000.0	2076.1	2073.6	2198.0	2194.7
67.5°	2468.8	2481.1	2548.2	2792.1	2486.0	2362.5	2180.8	2273.3	2265.1	2388.7	2379.7
70°	2662.0	2675.1	2747.9	2970.5	2670.2	2521.2	2333.8	2433.7	2440.2	2556.4	2569.5
71°	2684.1	2703.7	2780.6	2974.6	2709.4	2564.6	2385.4	2484.4	2465.6	2590.0	2603.9
72.5°	2618.6	2637.4	2738.1	2897.6	2725.8	2585.0	2460.7	2520.4	2446.8	2563.8	2563.8
75°	2222.5	2222.5	2364.1	2369.8	2487.7	2491.8	2511.4	2459.0	2228.3	2236.4	2199.6
77.5°	1387.0	1401.8	1549.9	1428.8	1810.9	2113.7	2320.7	2095.7	1707.0	1549.1	1428.8
80°	527.0	520.4	692.3	528.6	962.3	1427.1	1747.1	1432.9	905.1	596.5	447.6
82.5°	121.1	154.7	214.4	207.9	320.8	630.1	970.5	636.6	290.5	225.9	174.3
85°	59.7	63.0	107.2	113.7	127.7	172.7	321.6	198.0	148.9	148.1	108.8
87.5°	24.5	28.6	59.7	58.1	57.3	72.0	65.5	92.5	94.9	100.7	63.8
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°	2.5
2.5°	2.5
5°	2.5
7.5°	4.1
10°	17.2
12.5°	136.7
15°	172.7
17.5°	258.6
20°	336.3
22.5°	422.2
25°	502.4
27.5°	599.8
30°	692.3
32.5°	739.8
35°	776.6
37.5°	822.4
40°	881.3
42.5°	961.5
45°	1050.7
47.5°	1149.7
50°	1264.3
52.5°	1385.4
55°	1516.3
57.5°	1672.6
60°	1819.1
62.5°	2001.6
65°	2189.8
67.5°	2377.2
70°	2558.0
71°	2599.0
72.5°	2548.2
75°	2191.4
77.5°	1403.4
80°	425.5
82.5°	162.8
85°	103.9
87.5°	59.7
90°	0.0

(END OF REPORT)