

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: P239399

Luminaire Tested: **UTLD-AF24-30-D-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P239399
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-AF24-30-D-U-5WQ
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 4000K, 375mA 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: 3513 lumens
Efficiency: N/A
Efficacy: 113.3 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 - G1

Input Watts (W): 31
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

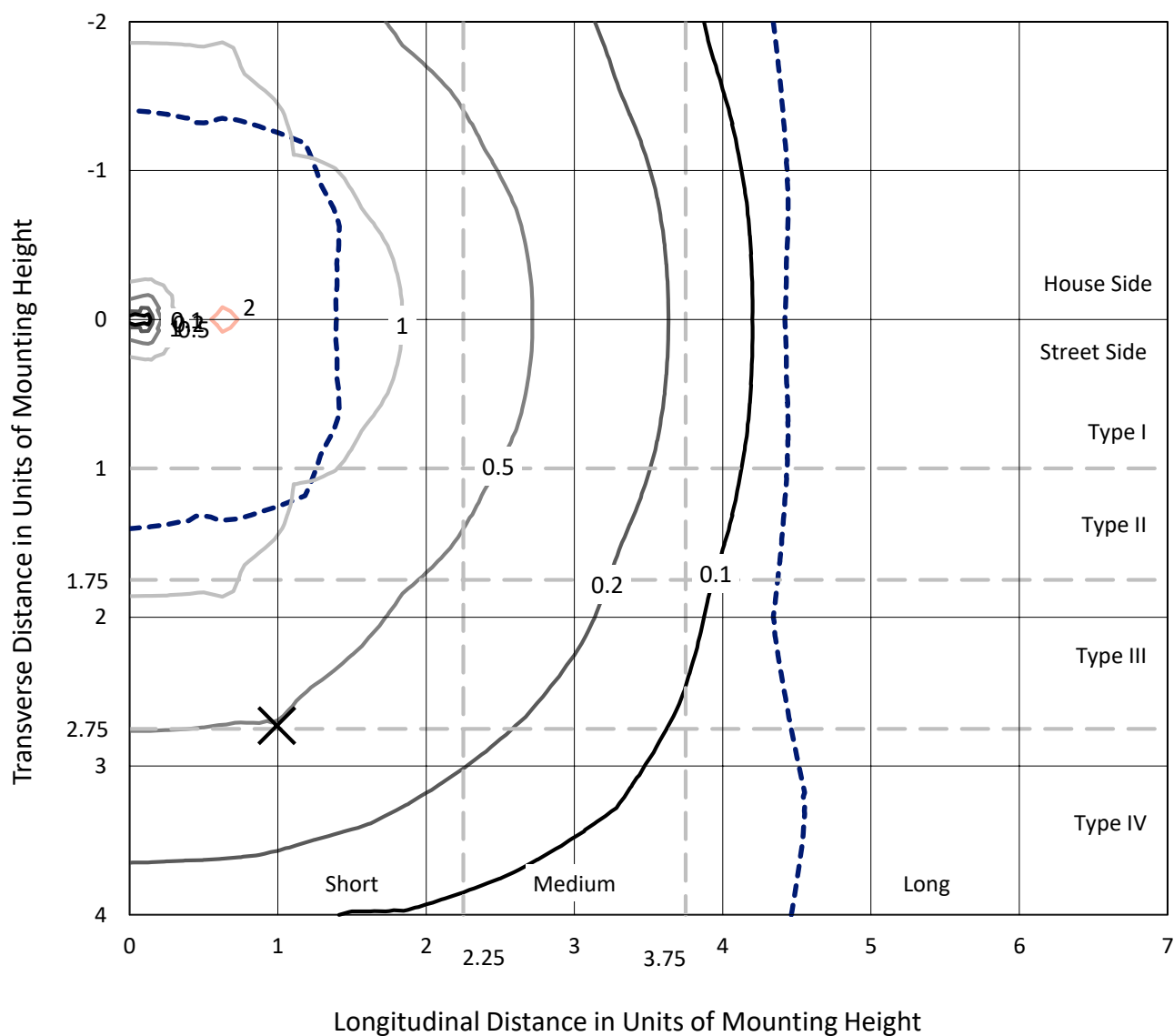


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 --- 1/2 Max cd

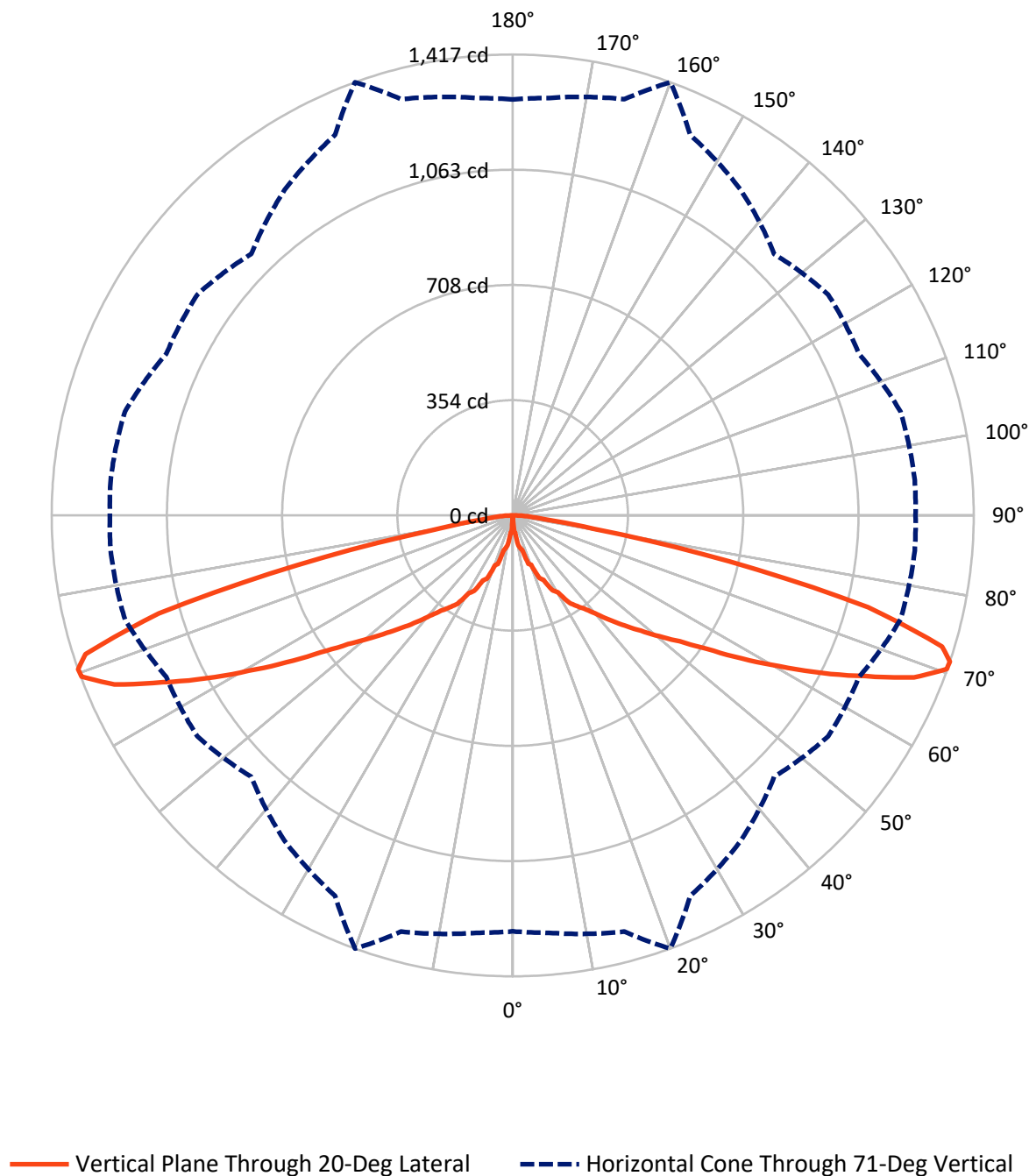


Based on 10 foot mounting height. Maximum calculated value = 2.1 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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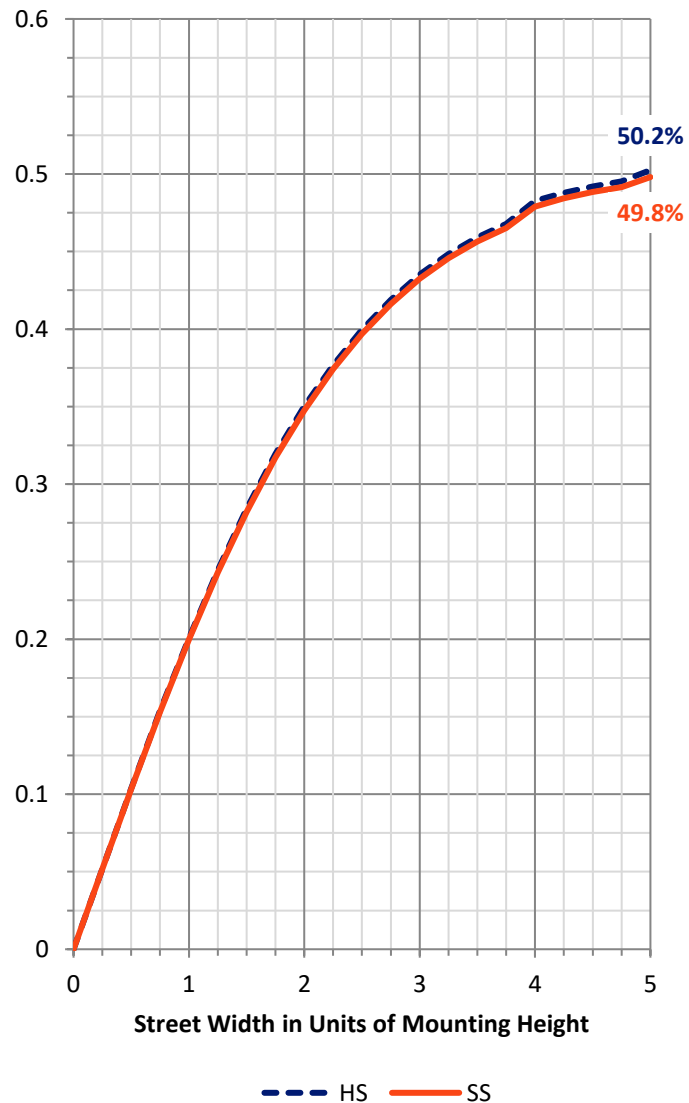
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1756.5	0.0	1756.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1756.5	0.0	1756.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3513.0	0.0	3513.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.4	0.1
10°-20°	29.0	0.8
20°-30°	98.3	2.8
30°-40°	200.3	5.7
40°-50°	343.0	9.8
50°-60°	604.3	17.2
60°-70°	1029.1	29.3
70°-80°	1064.5	30.3
80°-90°	142.2	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°	3513.0	100.0
0°-180°	3513.0	100.0

Coefficient of Utilization



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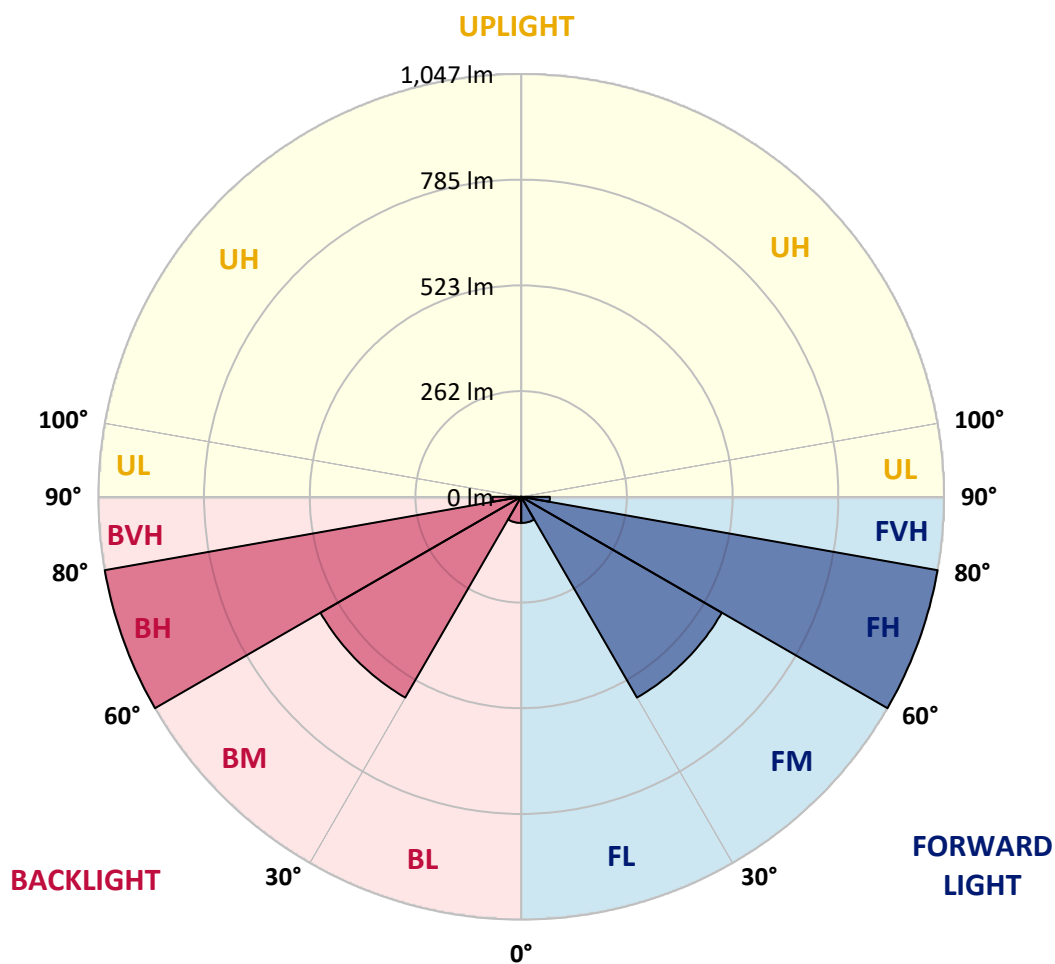
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	64.8	1.8			
FM	(30°-60°)	573.8	16.3			
FH	(60°-80°)	1046.8	29.8			G1/1800
FVH	(80°-90°)	71.1	2.0			G1/100
BL	(0°-30°)	64.8	1.8	B0/110		
BM	(30°-60°)	573.8	16.3	B1/1000		
BH	(60°-80°)	1046.8	29.8	B3/2500		G1/1800
BVH	(80°-90°)	71.1	2.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	20°	25°	35°	45°	55°	65°	75°	85°
0°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2.5°	7.8	7.4	7.0	12.9	6.6	5.5	2.7	1.6	1.2	1.2	1.2
5°	27.7	27.7	27.7	53.0	27.3	26.5	23.0	20.3	5.5	1.6	1.2
7.5°	48.3	48.3	37.4	53.8	32.7	28.1	26.9	26.1	21.0	4.3	1.9
10°	77.2	76.8	74.4	92.4	71.3	53.4	32.3	27.3	24.2	13.3	8.2
12.5°	83.0	82.2	80.3	102.5	77.6	75.6	58.5	40.1	53.8	80.3	68.2
15°	124.7	125.5	110.3	111.5	97.8	79.9	87.7	103.7	86.1	92.4	78.7
17.5°	137.2	136.4	133.7	156.3	128.2	107.2	119.3	121.6	103.7	121.2	123.5
20°	170.3	168.0	157.5	162.1	136.8	149.7	139.9	142.3	159.8	156.7	159.4
22.5°	197.6	197.2	192.1	208.9	171.1	168.4	160.2	173.4	176.6	171.1	196.8
25°	224.5	222.2	200.3	219.8	194.5	193.7	191.4	189.8	209.7	228.0	240.5
27.5°	255.3	254.1	246.3	260.3	226.4	206.6	207.7	221.0	233.1	239.3	280.2
30°	284.9	284.5	258.4	274.8	251.4	236.2	228.8	241.2	263.9	302.0	327.0
32.5°	326.2	324.7	306.3	320.4	273.6	258.8	253.3	262.3	294.6	313.4	339.9
35°	371.0	369.5	331.7	343.0	299.7	279.1	268.9	289.6	302.4	330.5	360.5
37.5°	394.4	391.7	372.2	366.7	338.7	304.8	290.7	303.6	320.8	352.3	382.7
40°	422.1	420.9	404.9	399.5	362.5	328.9	307.9	322.3	346.5	378.0	412.7
42.5°	455.2	454.4	440.0	440.4	393.6	359.3	328.9	349.6	374.9	416.6	455.2
45°	495.4	492.6	482.9	483.3	433.4	392.9	359.0	385.8	404.9	454.0	498.5
47.5°	540.6	540.2	529.3	529.3	473.5	432.2	394.8	431.4	452.5	510.6	544.9
50°	592.4	591.6	583.8	583.8	526.2	475.1	438.1	482.1	505.1	561.2	599.0
52.5°	649.3	648.9	647.0	642.7	584.6	535.1	492.6	542.9	562.8	625.5	658.3
55°	717.1	722.2	720.6	723.7	661.4	609.6	558.9	613.1	634.5	697.6	722.6
57.5°	803.3	801.7	809.5	829.4	751.4	704.7	642.3	703.9	711.7	771.3	794.7
60°	882.0	883.9	899.1	941.2	845.0	813.0	741.7	800.5	800.9	852.0	869.5
62.5°	966.2	969.7	995.8	1067.1	943.6	922.5	850.4	895.6	891.7	936.2	953.7
65°	1060.9	1065.6	1101.0	1191.4	1053.5	1027.4	952.5	988.8	987.6	1046.8	1045.3
67.5°	1175.8	1181.7	1213.7	1329.8	1184.0	1125.2	1038.7	1082.7	1078.8	1137.7	1133.4
70°	1267.8	1274.1	1308.8	1414.8	1271.7	1200.8	1111.5	1159.1	1162.2	1217.6	1223.8
71°	1278.4	1287.7	1324.3	1416.7	1290.4	1221.4	1136.1	1183.3	1174.3	1233.5	1240.2
72.5°	1247.2	1256.1	1304.1	1380.1	1298.2	1231.2	1172.0	1200.4	1165.3	1221.1	1221.1
75°	1058.5	1058.5	1126.0	1128.7	1184.8	1186.8	1196.1	1171.2	1061.3	1065.2	1047.6
77.5°	660.6	667.6	738.2	680.5	862.5	1006.7	1105.3	998.1	813.0	737.8	680.5
80°	251.0	247.9	329.7	251.8	458.3	679.7	832.1	682.4	431.1	284.1	213.2
82.5°	57.7	73.7	102.1	99.0	152.8	300.1	462.2	303.2	138.4	107.6	83.0
85°	28.5	30.0	51.1	54.2	60.8	82.2	153.2	94.3	70.9	70.5	51.8
87.5°	11.7	13.6	28.5	27.7	27.3	34.3	31.2	44.0	45.2	47.9	30.4
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°	1.2
2.5°	1.2
5°	1.2
7.5°	1.9
10°	8.2
12.5°	65.1
15°	82.2
17.5°	123.2
20°	160.2
22.5°	201.1
25°	239.3
27.5°	285.7
30°	329.7
32.5°	352.3
35°	369.9
37.5°	391.7
40°	419.8
42.5°	457.9
45°	500.4
47.5°	547.6
50°	602.1
52.5°	659.8
55°	722.2
57.5°	796.6
60°	866.4
62.5°	953.3
65°	1042.9
67.5°	1132.2
70°	1218.3
71°	1237.8
72.5°	1213.7
75°	1043.7
77.5°	668.4
80°	202.7
82.5°	77.6
85°	49.5
87.5°	28.5
90°	0.0

(END OF REPORT)