

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: P266323

Luminaire Tested: **UTLD-AF24-40-D-U-5WQ-7027**

Issue Date: 5/28/2020

Test Information

Test Method: LM-79-08
Report Number: P266323
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-AF24-40-D-U-5WQ-7027
Description: TRADITIONAIRE LED DOWNLIGHT LUMINAIRE
(1) 70 CRI, 2700K, 500mA 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: 3968.1 lumens
Efficiency: N/A
Efficacy: 99.2 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): 40
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



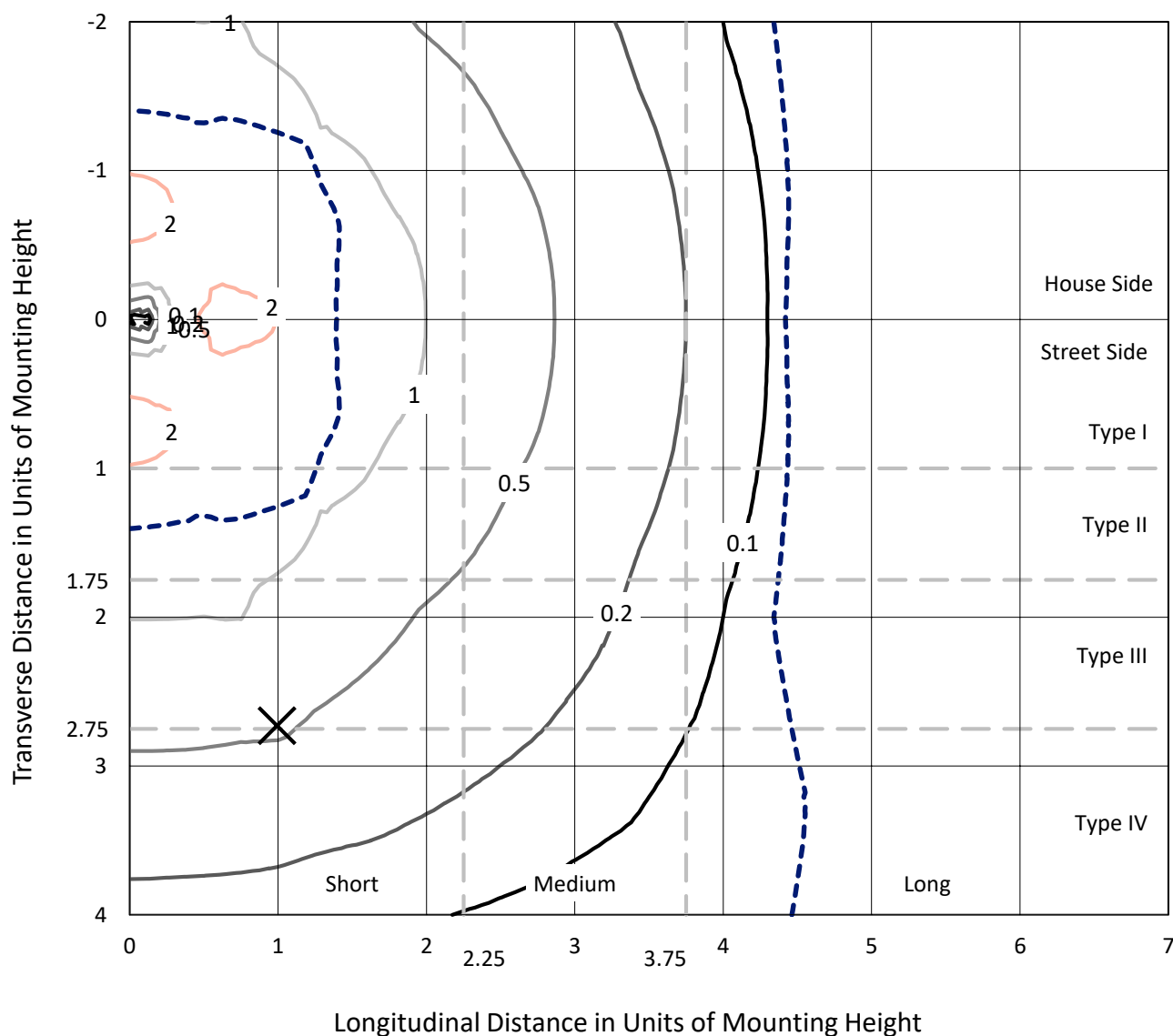
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

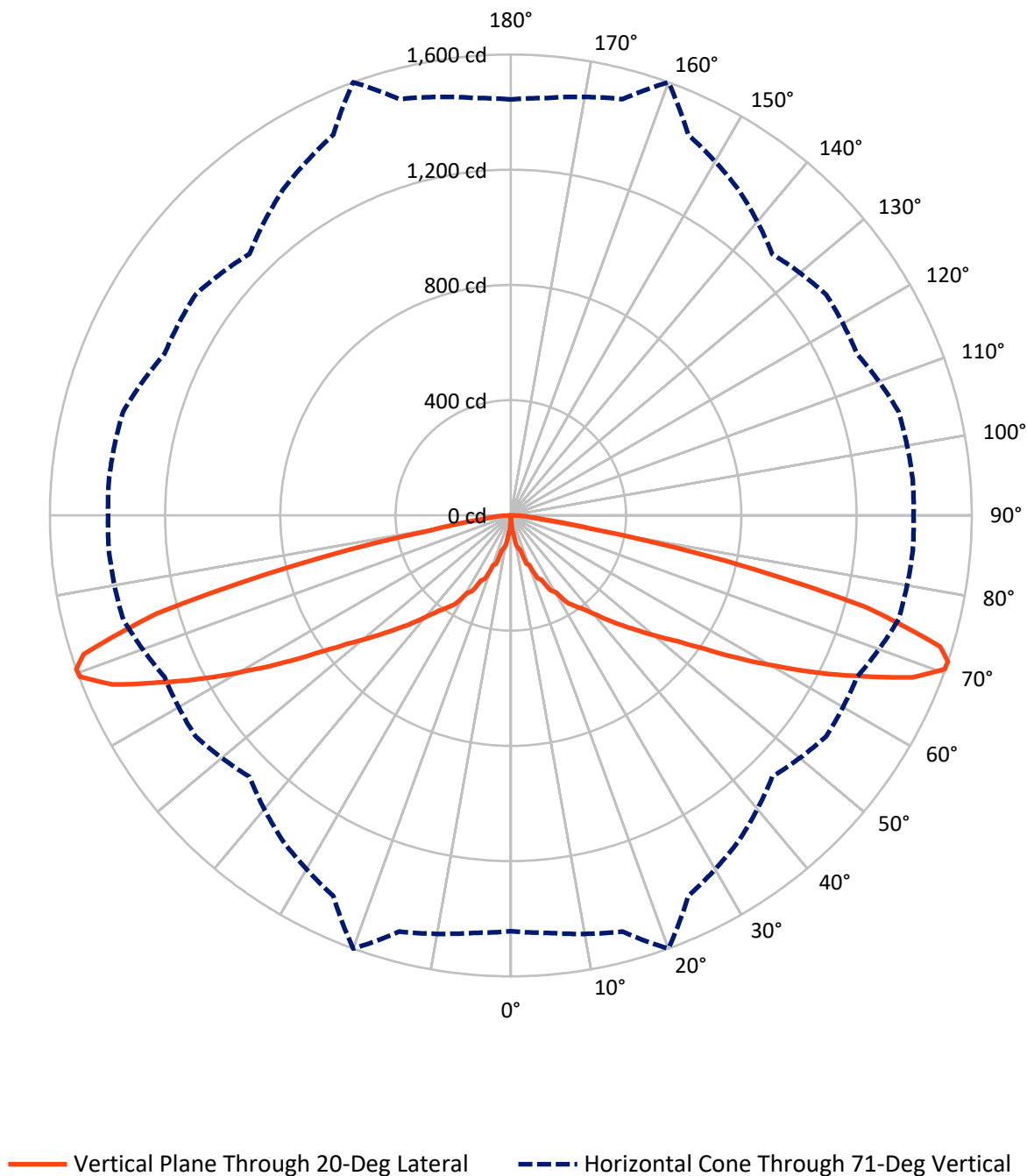


Based on 10 foot mounting height. Maximum calculated value = 2.4 fc
 Type V - Short - Non-Cutoff

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Luminous Intensity Polar Plot



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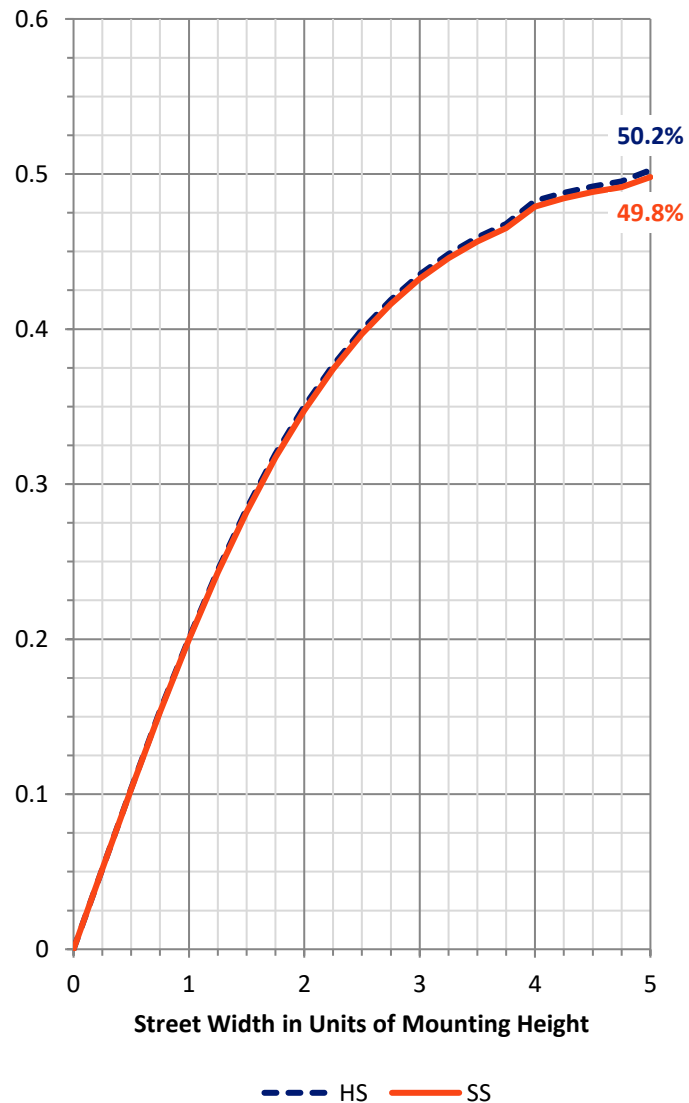
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1984.1	0.0	1984.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1984.1	0.0	1984.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3968.1	0.0	3968.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	2.7	0.1
10°-20°	32.8	0.8
20°-30°	111.0	2.8
30°-40°	226.2	5.7
40°-50°	387.4	9.8
50°-60°	682.6	17.2
60°-70°	1162.5	29.3
70°-80°	1202.4	30.3
80°-90°	160.6	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°	3968.1	100.0
0°-180°	3968.1	100.0

Coefficient of Utilization



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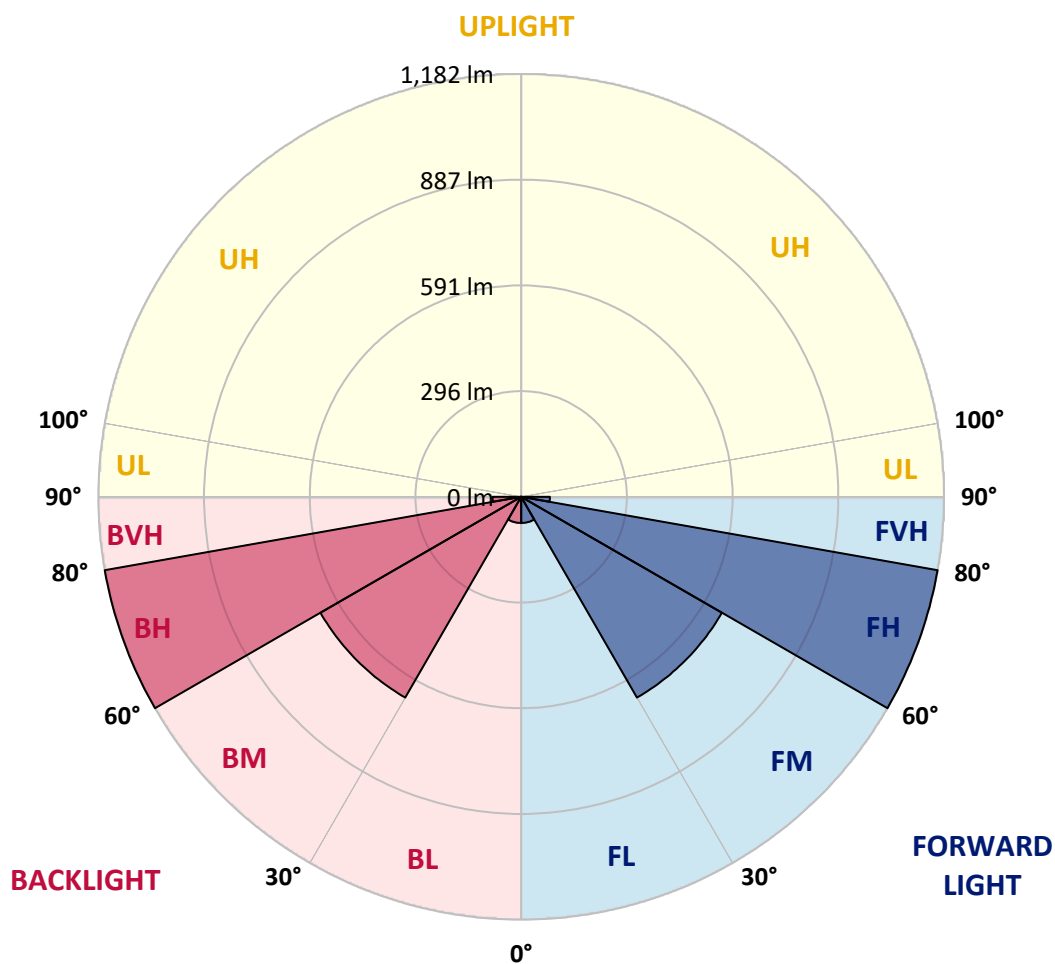
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	73.2	1.8			
FM	(30°-60°)	648.1	16.3			
FH	(60°-80°)	1182.4	29.8			G1/1800
FVH	(80°-90°)	80.3	2.0			G1/100
BL	(0°-30°)	73.2	1.8	B0/110		
BM	(30°-60°)	648.1	16.3	B1/1000		
BH	(60°-80°)	1182.4	29.8	B3/2500		G1/1800
BVH	(80°-90°)	80.3	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°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
2.5°	8.9	8.4	7.9	14.6	7.5	6.2	3.1	1.7	1.3	1.3	1.3
5°	31.3	31.3	31.3	59.8	30.8	30.0	26.1	22.8	6.2	1.7	1.3
7.5°	54.5	54.5	42.3	60.7	37.0	31.7	30.4	29.6	23.7	4.9	2.2
10°	87.1	86.7	84.1	104.4	80.6	60.4	36.6	30.8	27.3	15.0	9.3
12.5°	93.8	92.9	90.6	115.8	87.7	85.3	66.0	45.4	60.7	90.6	77.1
15°	140.9	141.8	124.5	125.9	110.5	90.3	99.1	117.0	97.2	104.4	88.9
17.5°	155.0	154.1	150.9	176.5	144.8	121.0	134.7	137.4	117.0	136.9	139.5
20°	192.3	189.7	177.9	183.2	154.5	169.1	158.0	160.6	180.5	177.0	180.1
22.5°	223.1	222.8	217.0	236.0	193.2	190.3	181.0	195.9	199.5	193.2	222.3
25°	253.6	250.9	226.3	248.3	219.6	218.7	216.1	214.3	236.9	257.5	271.6
27.5°	288.4	287.0	278.3	294.0	255.7	233.3	234.6	249.5	263.3	270.3	316.6
30°	321.9	321.4	291.9	310.4	284.0	266.7	258.4	272.5	298.1	341.1	369.4
32.5°	368.5	366.7	346.0	361.8	309.0	292.3	286.2	296.4	332.8	353.9	383.8
35°	419.1	417.4	374.7	387.3	338.5	315.2	303.7	327.2	341.6	373.3	407.2
37.5°	445.5	442.4	420.4	414.3	382.6	344.3	328.4	343.0	362.2	397.9	432.4
40°	476.8	475.5	457.3	451.3	409.4	371.5	347.7	364.1	391.4	427.1	466.2
42.5°	514.2	513.3	497.0	497.5	444.7	405.9	371.5	394.9	423.6	470.6	514.2
45°	559.6	556.5	545.5	545.9	489.5	443.8	405.5	435.9	457.3	512.8	563.1
47.5°	610.6	610.2	597.8	597.8	534.9	488.1	446.0	487.3	511.1	576.7	615.5
50°	669.1	668.2	659.4	659.4	594.3	536.6	494.8	544.6	570.6	633.9	676.7
52.5°	733.5	732.9	730.9	725.9	660.3	604.4	556.5	613.3	635.7	706.5	743.5
55°	810.0	815.8	814.0	817.5	747.1	688.6	631.2	692.6	716.7	788.1	816.2
57.5°	907.3	905.5	914.4	936.8	848.8	796.0	725.6	795.1	803.9	871.3	897.6
60°	996.2	998.5	1015.7	1063.1	954.4	918.3	837.8	904.2	904.8	962.4	982.1
62.5°	1091.4	1095.4	1124.8	1205.3	1065.7	1042.0	960.6	1011.6	1007.3	1057.5	1077.2
65°	1198.2	1203.5	1243.7	1345.8	1190.0	1160.5	1075.9	1116.9	1115.5	1182.4	1180.7
67.5°	1328.1	1334.8	1371.0	1502.1	1337.4	1270.9	1173.2	1223.0	1218.6	1285.0	1280.3
70°	1432.1	1439.2	1478.3	1598.1	1436.5	1356.4	1255.6	1309.3	1312.8	1375.2	1382.3
71°	1443.9	1454.5	1495.9	1600.2	1457.6	1379.6	1283.3	1336.6	1326.4	1393.4	1400.8
72.5°	1408.7	1418.9	1473.0	1558.9	1466.5	1390.7	1323.8	1355.9	1316.2	1379.3	1379.3
75°	1195.6	1195.6	1271.8	1275.0	1338.4	1340.5	1351.1	1322.9	1198.8	1203.2	1183.3
77.5°	746.2	754.0	833.7	768.7	974.2	1137.2	1248.6	1127.5	918.3	833.4	768.7
80°	283.5	280.0	372.4	284.5	517.8	767.8	939.8	770.8	486.9	321.0	240.8
82.5°	65.1	83.3	115.3	111.7	172.6	339.0	522.2	342.6	156.2	121.5	93.8
85°	32.1	33.9	57.8	61.2	68.7	92.9	173.1	106.4	80.0	79.7	58.6
87.5°	13.2	15.5	32.1	31.3	30.8	38.7	35.3	49.8	51.1	54.2	34.3
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°	1.3
2.5°	1.3
5°	1.3
7.5°	2.2
10°	9.3
12.5°	73.5
15°	92.9
17.5°	139.1
20°	181.0
22.5°	227.1
25°	270.3
27.5°	322.8
30°	372.4
32.5°	397.9
35°	417.8
37.5°	442.4
40°	474.1
42.5°	517.2
45°	565.3
47.5°	618.6
50°	680.1
52.5°	745.4
55°	815.8
57.5°	899.8
60°	978.7
62.5°	1076.8
65°	1178.0
67.5°	1278.8
70°	1376.2
71°	1398.2
72.5°	1371.0
75°	1178.9
77.5°	754.9
80°	228.9
82.5°	87.7
85°	56.0
87.5°	32.1
90°	0.0

(END OF REPORT)