

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: P691086

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691086
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T5R-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3736 lumens
Efficiency: N/A
Efficacy: 161.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 23.2
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: 24 FT



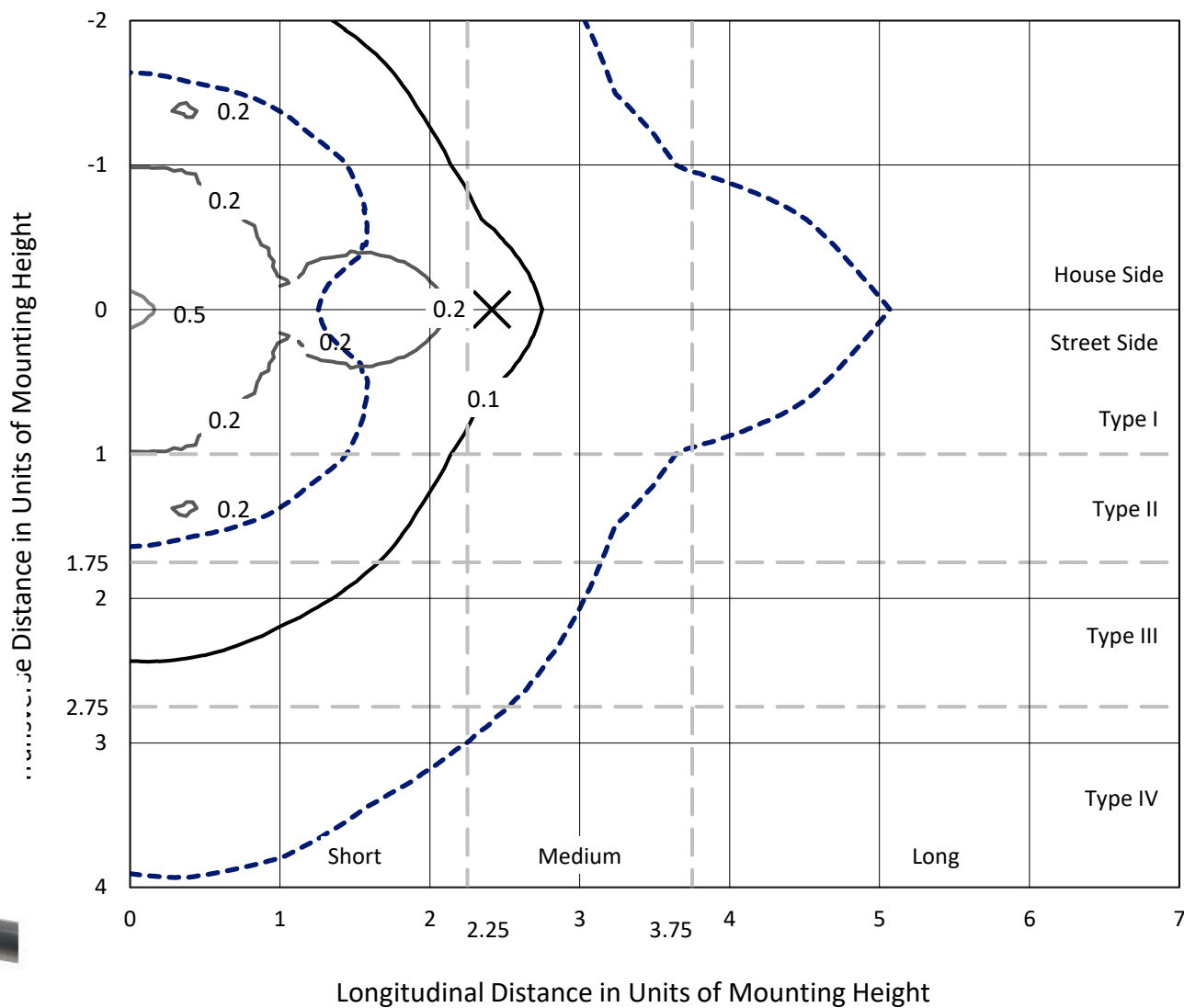
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

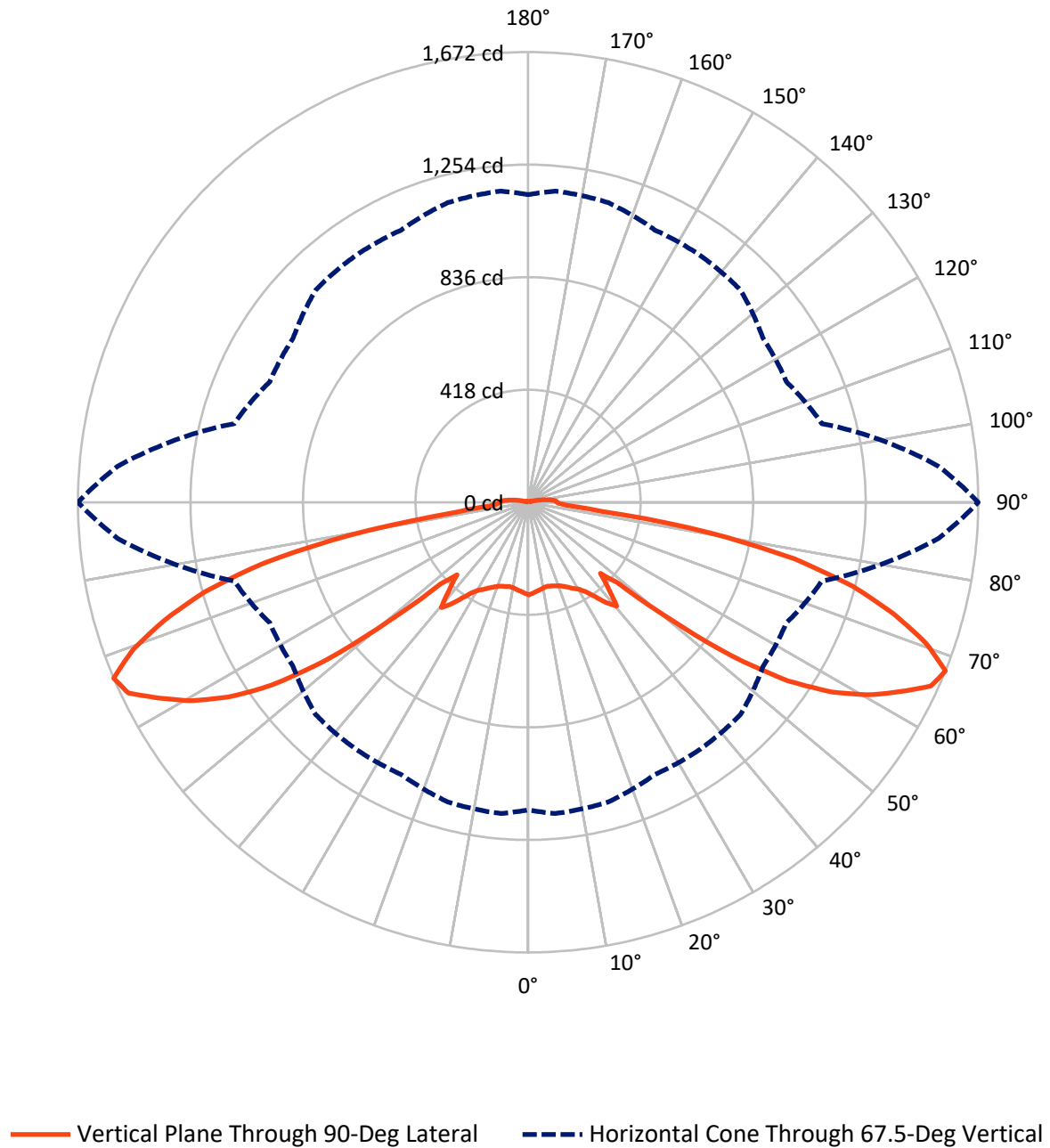


Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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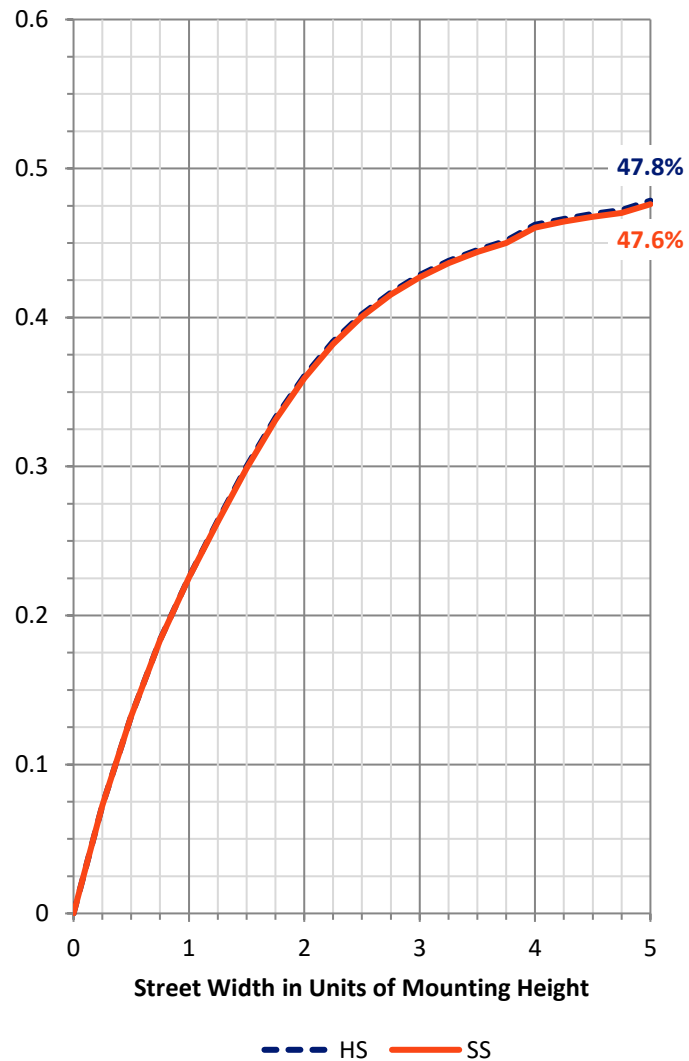
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1813.9	54.1	1868.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	1813.9	54.1	1868.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	3627.8	108.2	3736.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	31.1	0.8
10°-20°	88.7	2.4
20°-30°	156.9	4.2
30°-40°	264.8	7.1
40°-50°	296.7	7.9
50°-60°	614.3	16.4
60°-70°	1081.3	28.9
70°-80°	893.6	23.9
80°-90°	200.5	5.4
90°-100°	76.6	2.1
100°-110°	21.7	0.6
110°-120°	6.6	0.2
120°-130°	3.0	0.1
130°-140°	0.3	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°	3627.8	97.1
0°-180°	3736.0	100.0

Coefficient of Utilization



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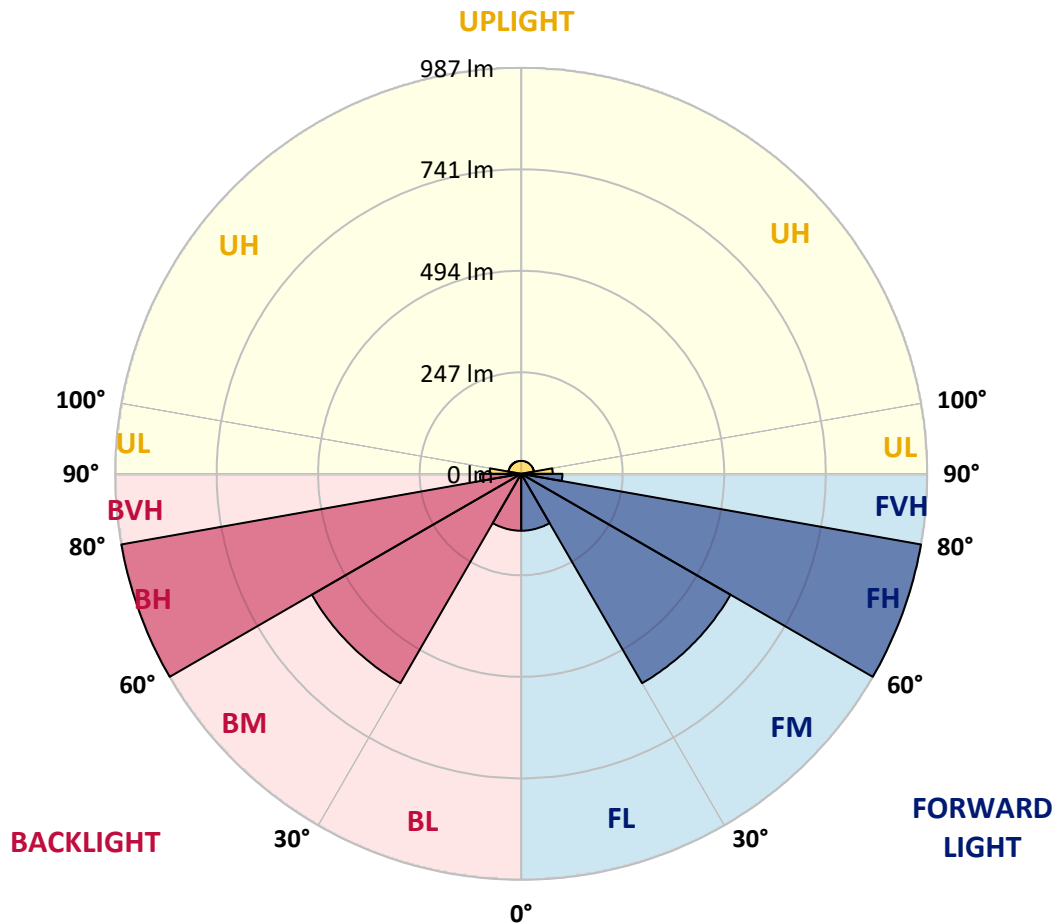
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	138.3	3.7			
FM	(30°-60°)	587.9	15.7			
FH	(60°-80°)	987.4	26.4			G1/1800
FVH	(80°-90°)	100.2	2.7			G2/225
BL	(0°-30°)	138.3	3.7	B1/500		
BM	(30°-60°)	587.9	15.7	B1/1000		
BH	(60°-80°)	987.4	26.4	B2/1000		G1/1800
BVH	(80°-90°)	100.2	2.7			G2/225
UL	(90°-100°)	76.6	2.1		U3/500	
UH	(100°-180°)	31.6	0.8		U2/50	

BUG Rating: B2-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8	343.8
2.5°	340.2	340.2	337.9	336.7	337.9	339.1	340.2	340.2	339.1	337.9	337.9
5°	334.3	333.2	332.0	330.8	330.8	333.2	333.2	334.3	333.2	332.0	332.0
7.5°	319.0	319.0	317.8	316.6	319.0	321.3	324.9	326.1	327.2	327.2	327.2
10°	308.3	308.3	307.2	307.2	309.5	313.1	316.6	320.2	321.3	322.5	322.5
12.5°	302.4	302.4	302.4	301.3	304.8	308.3	314.2	316.6	319.0	320.2	320.2
15°	302.4	301.3	301.3	302.4	304.8	309.5	314.2	319.0	321.3	322.5	322.5
17.5°	304.8	303.6	303.6	303.6	307.2	311.9	317.8	321.3	324.9	326.1	326.1
20°	308.3	308.3	308.3	308.3	310.7	316.6	322.5	326.1	329.6	330.8	330.8
22.5°	317.8	317.8	316.6	315.4	317.8	322.5	329.6	333.2	336.7	339.1	339.1
25°	329.6	328.4	328.4	327.2	327.2	332.0	337.9	342.6	347.3	349.7	349.7
27.5°	343.8	342.6	342.6	340.2	340.2	346.1	350.9	355.6	360.3	362.7	362.7
30°	359.1	360.3	358.0	356.8	355.6	360.3	365.0	368.6	372.1	374.5	374.5
32.5°	384.0	384.0	381.6	380.4	379.2	382.8	385.1	387.5	391.0	395.8	396.9
35°	414.7	413.5	413.5	413.5	413.5	415.8	418.2	417.0	424.1	428.8	431.2
37.5°	454.8	456.0	453.7	451.3	450.1	452.5	454.8	458.4	465.5	471.4	472.6
40°	447.7	445.4	447.7	452.5	453.7	464.3	474.9	483.2	495.0	505.6	506.8
42.5°	401.7	405.2	408.8	408.8	407.6	407.6	408.8	409.9	421.8	437.1	437.1
45°	329.6	332.0	336.7	334.3	323.7	319.0	321.3	324.9	337.9	375.7	376.9
47.5°	349.7	354.4	359.1	345.0	332.0	311.9	309.5	307.2	322.5	427.7	445.4
50°	412.3	412.3	418.2	406.4	401.7	389.9	382.8	385.1	418.2	636.8	675.8
52.5°	536.4	534.0	548.2	534.0	529.3	504.5	477.3	491.5	525.7	870.7	951.0
55°	650.9	653.3	667.5	653.3	640.3	617.9	581.2	606.1	652.1	1055.0	1169.6
57.5°	775.0	778.5	795.1	767.9	741.9	730.1	695.8	721.8	772.6	1174.3	1327.9
60°	903.8	907.3	915.6	881.3	857.7	851.8	812.8	841.1	902.6	1279.4	1451.9
62.5°	1026.6	1030.2	1025.4	992.4	978.2	979.4	941.6	961.7	1027.8	1402.3	1548.8
65°	1104.6	1120.0	1116.4	1079.8	1075.1	1079.8	1039.6	1042.0	1110.5	1498.0	1644.5
67.5°	1142.4	1160.1	1151.9	1115.2	1117.6	1115.2	1064.4	1058.5	1129.4	1531.1	1671.7
70°	1104.6	1104.6	1098.7	1066.8	1065.6	1056.2	1018.4	1008.9	1064.4	1440.1	1567.7
72.5°	1012.5	1012.5	1007.7	971.1	964.0	956.9	934.5	917.9	966.4	1293.6	1421.2
75°	879.0	889.6	883.7	847.1	838.8	834.1	818.7	802.2	845.9	1137.7	1245.2
77.5°	702.9	714.7	707.7	680.5	673.4	675.8	665.1	655.7	687.6	912.0	1011.3
80°	471.4	482.0	469.0	456.0	445.4	456.0	451.3	446.6	464.3	581.2	680.5
82.5°	212.7	215.0	215.0	202.0	193.7	210.3	212.7	216.2	226.8	252.8	277.6
85°	130.0	131.1	128.8	125.2	120.5	124.0	122.9	125.2	130.0	138.2	142.9
87.5°	111.1	111.1	111.1	107.5	104.0	104.0	102.8	104.0	105.1	112.2	114.6
90°	98.1	98.1	98.1	95.7	93.3	93.3	94.5	93.3	95.7	102.8	106.3
92.5°	82.7	83.9	86.2	86.2	86.2	87.4	87.4	87.4	88.6	99.2	102.8
95°	61.4	60.3	65.0	68.5	69.7	72.1	72.1	72.1	74.4	83.9	87.4
97.5°	44.9	44.9	47.3	49.6	52.0	54.3	55.5	55.5	57.9	65.0	66.2
100°	31.9	31.9	34.3	36.6	37.8	41.3	42.5	42.5	42.5	47.3	47.3
102.5°	23.6	22.4	24.8	26.0	27.2	28.4	29.5	29.5	29.5	30.7	30.7
105°	14.2	14.2	15.4	16.5	17.7	17.7	18.9	18.9	17.7	17.7	17.7
107.5°	9.5	9.5	10.6	11.8	11.8	13.0	13.0	13.0	13.0	13.0	13.0
110°	7.1	7.1	8.3	9.5	9.5	10.6	10.6	10.6	10.6	9.5	9.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	5.9	5.9	7.1	7.1	8.3	8.3	8.3	8.3	8.3	8.3	8.3
115°	4.7	4.7	5.9	5.9	5.9	7.1	7.1	7.1	7.1	7.1	7.1
117.5°	3.5	3.5	4.7	4.7	5.9	5.9	5.9	5.9	5.9	5.9	5.9
120°	3.5	3.5	3.5	4.7	4.7	4.7	4.7	4.7	4.7	4.7	4.7
122.5°	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	4.7	4.7
125°	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5	3.5
127.5°	2.4	2.4	2.4	2.4	3.5	3.5	3.5	3.5	3.5	3.5	3.5
130°	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	3.5	3.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)