

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: P691999

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691999
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-C01HO-D-U-T5R-7030-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11798 lumens
Efficiency: N/A
Efficacy: 149.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G3

Input Watts (W): 79
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



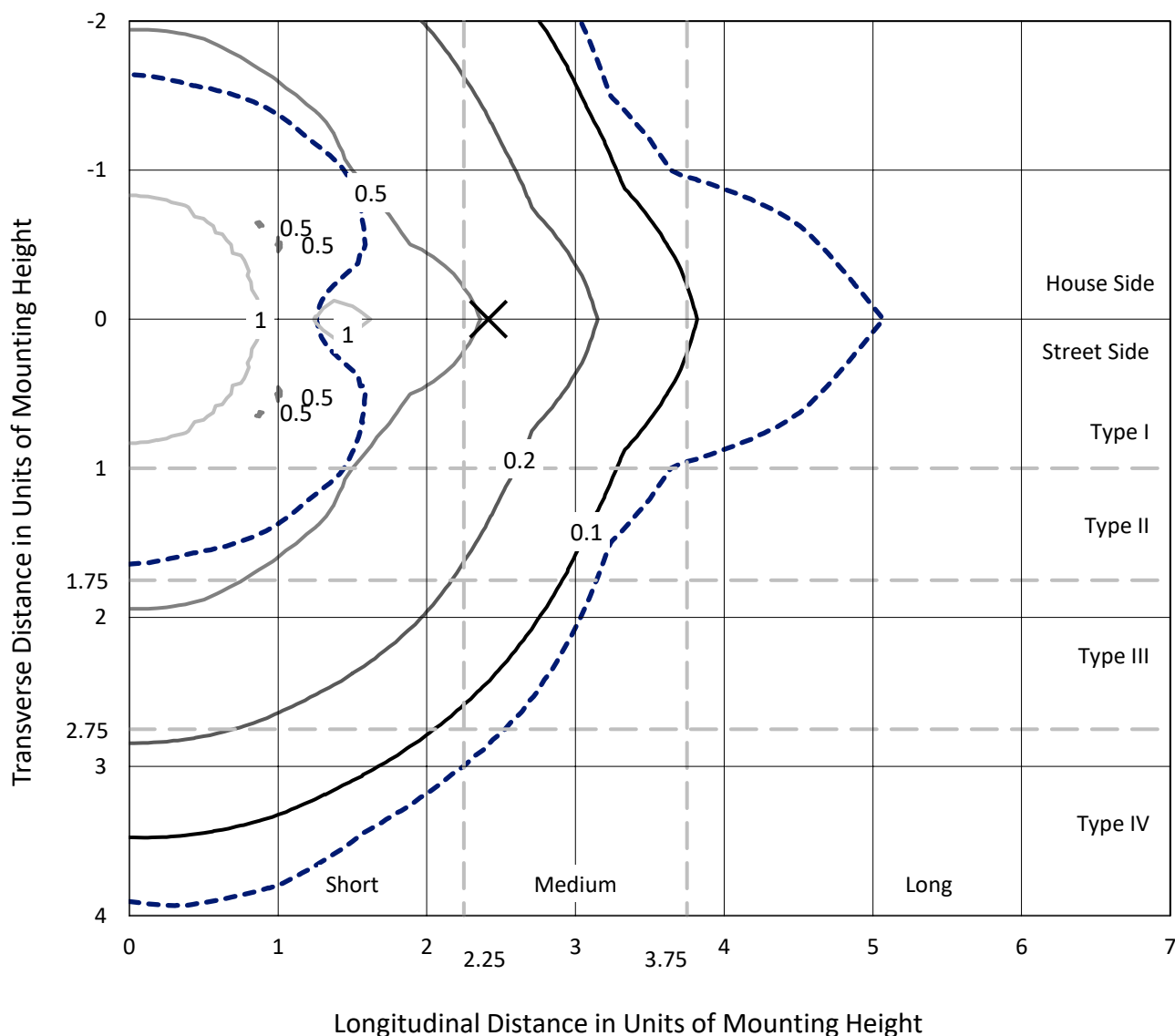
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



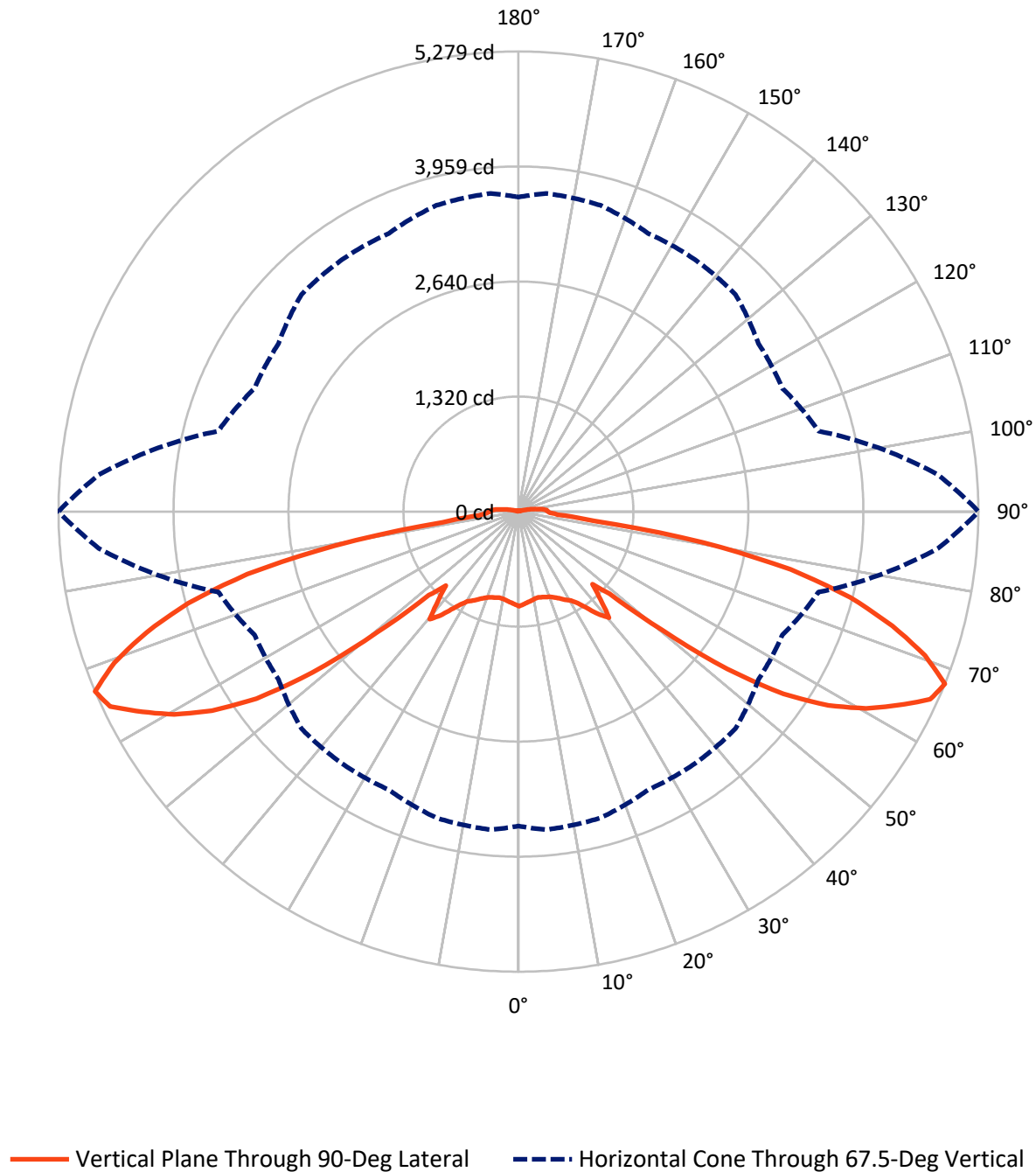
Based on 25 foot mounting height. Maximum calculated value = 1.7 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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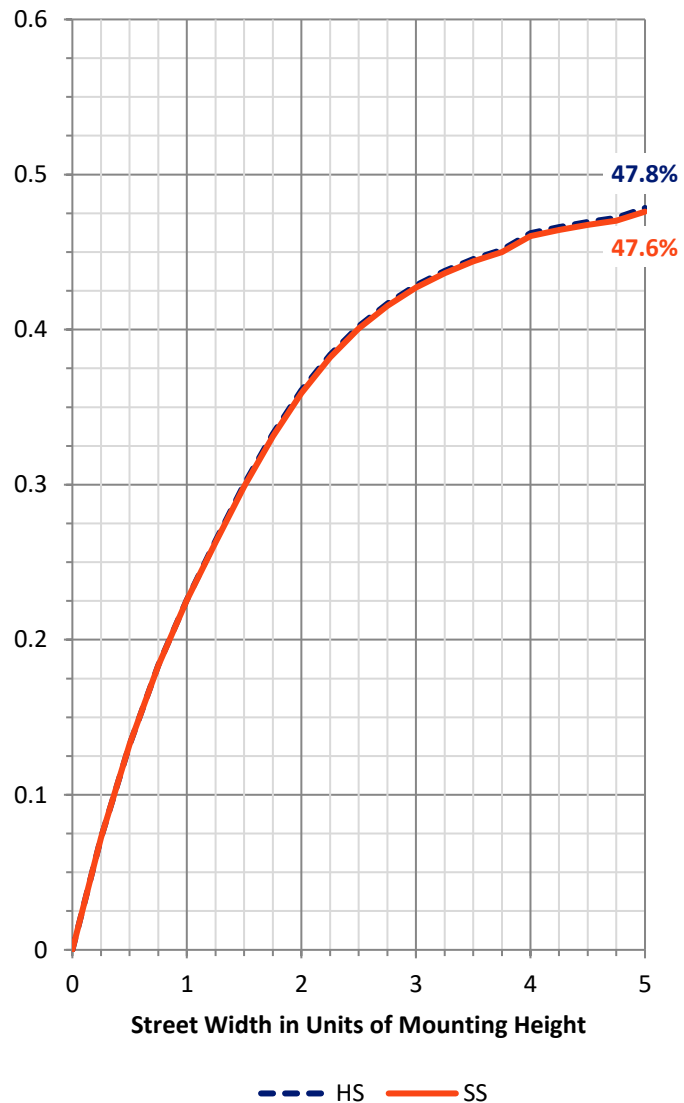
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5728.1	170.9	5899.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	5728.1	170.9	5899.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	11456.3	341.8	11798.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	98.2	0.8
10°-20°	280.0	2.4
20°-30°	495.6	4.2
30°-40°	836.1	7.1
40°-50°	937.1	7.9
50°-60°	1940.0	16.4
60°-70°	3414.6	28.9
70°-80°	2821.8	23.9
80°-90°	633.0	5.4
90°-100°	242.0	2.1
100°-110°	68.4	0.6
110°-120°	20.9	0.2
120°-130°	9.6	0.1
130°-140°	0.8	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°	11456.3	97.1
0°-180°	11798.0	100.0

Coefficient of Utilization



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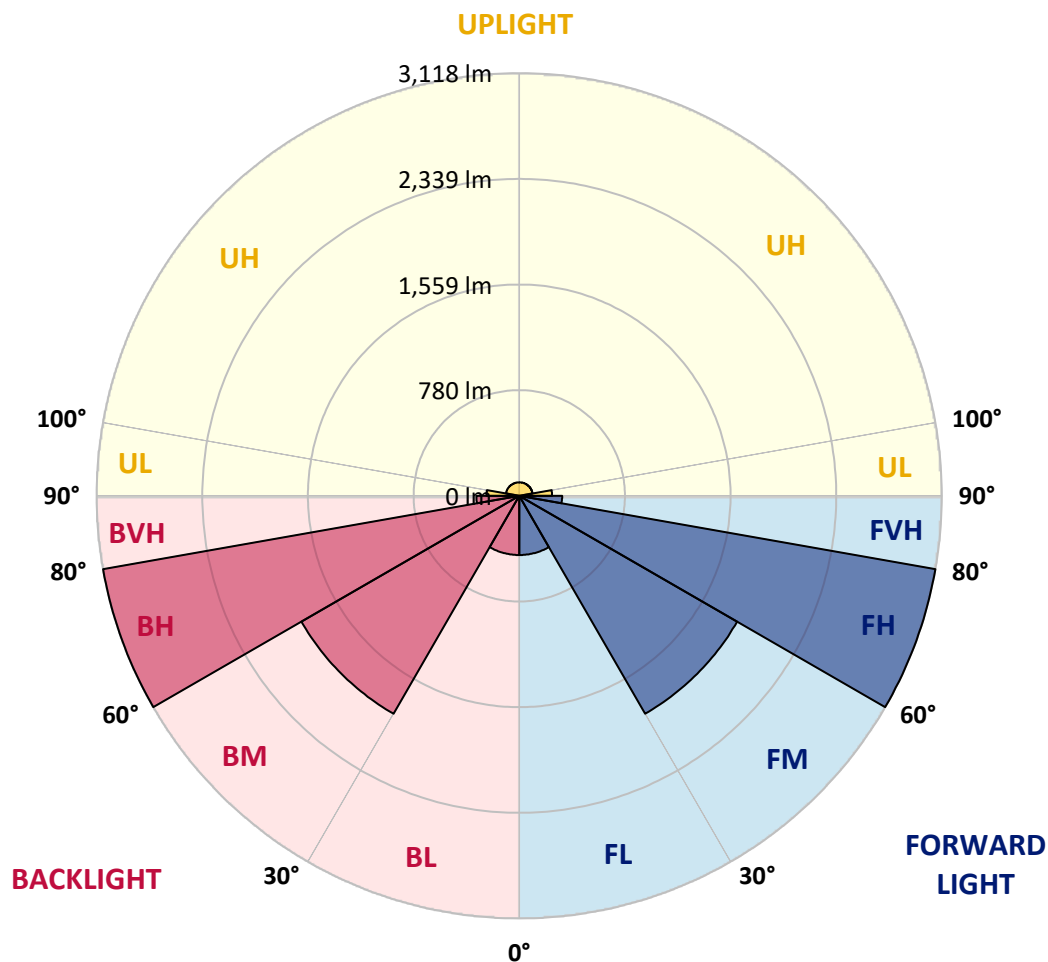
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	436.9	3.7			
FM	(30°-60°)	1856.6	15.7			
FH	(60°-80°)	3118.2	26.4			G2/5000
FVH	(80°-90°)	316.5	2.7			G3/500
BL	(0°-30°)	436.9	3.7	B1/500		
BM	(30°-60°)	1856.6	15.7	B2/2500		
BH	(60°-80°)	3118.2	26.4	B4/5000		G2/5000
BVH	(80°-90°)	316.5	2.7			G3/500
UL	(90°-100°)	242.0	2.1		U3/500	
UH	(100°-180°)	99.8	0.8		U3/500	

BUG Rating: B4-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6	1085.6
2.5°	1074.5	1074.5	1067.0	1063.3	1067.0	1070.7	1074.5	1074.5	1070.7	1067.0	1067.0
5°	1055.8	1052.1	1048.3	1044.6	1044.6	1052.1	1052.1	1055.8	1052.1	1048.3	1048.3
7.5°	1007.3	1007.3	1003.6	999.8	1007.3	1014.8	1026.0	1029.7	1033.4	1033.4	1033.4
10°	973.7	973.7	970.0	970.0	977.5	988.6	999.8	1011.0	1014.8	1018.5	1018.5
12.5°	955.1	955.1	955.1	951.3	962.5	973.7	992.4	999.8	1007.3	1011.0	1011.0
15°	955.1	951.3	951.3	955.1	962.5	977.5	992.4	1007.3	1014.8	1018.5	1018.5
17.5°	962.5	958.8	958.8	958.8	970.0	984.9	1003.6	1014.8	1026.0	1029.7	1029.7
20°	973.7	973.7	973.7	973.7	981.2	999.8	1018.5	1029.7	1040.9	1044.6	1044.6
22.5°	1003.6	1003.6	999.8	996.1	1003.6	1018.5	1040.9	1052.1	1063.3	1070.7	1070.7
25°	1040.9	1037.1	1037.1	1033.4	1033.4	1048.3	1067.0	1081.9	1096.8	1104.3	1104.3
27.5°	1085.6	1081.9	1081.9	1074.5	1074.5	1093.1	1108.0	1123.0	1137.9	1145.3	1145.3
30°	1134.1	1137.9	1130.4	1126.7	1123.0	1137.9	1152.8	1164.0	1175.2	1182.6	1182.6
32.5°	1212.5	1212.5	1205.0	1201.3	1197.6	1208.8	1216.2	1223.7	1234.9	1249.8	1253.5
35°	1309.5	1305.8	1305.8	1305.8	1305.8	1313.2	1320.7	1317.0	1339.3	1354.3	1361.7
37.5°	1436.3	1440.1	1432.6	1425.1	1421.4	1428.9	1436.3	1447.5	1469.9	1488.6	1492.3
40°	1413.9	1406.5	1413.9	1428.9	1432.6	1466.2	1499.8	1525.9	1563.2	1596.8	1600.5
42.5°	1268.5	1279.6	1290.8	1290.8	1287.1	1287.1	1290.8	1294.6	1331.9	1380.4	1380.4
45°	1040.9	1048.3	1063.3	1055.8	1022.2	1007.3	1014.8	1026.0	1067.0	1186.4	1190.1
47.5°	1104.3	1119.2	1134.1	1089.4	1048.3	984.9	977.5	970.0	1018.5	1350.5	1406.5
50°	1302.0	1302.0	1320.7	1283.4	1268.5	1231.1	1208.8	1216.2	1320.7	2010.9	2134.0
52.5°	1693.8	1686.3	1731.1	1686.3	1671.4	1593.0	1507.2	1552.0	1660.2	2749.6	3003.2
55°	2055.6	2063.1	2107.9	2063.1	2022.1	1951.2	1835.5	1913.9	2059.4	3331.5	3693.4
57.5°	2447.4	2458.6	2510.8	2425.0	2342.9	2305.6	2197.4	2279.5	2439.9	3708.4	4193.3
60°	2854.0	2865.2	2891.3	2783.1	2708.5	2689.9	2566.7	2656.3	2850.3	4040.4	4585.1
62.5°	3242.0	3253.2	3238.3	3133.8	3089.1	3092.8	2973.4	3036.8	3245.7	4428.4	4891.0
65°	3488.2	3536.7	3525.5	3409.9	3395.0	3409.9	3283.0	3290.5	3506.9	4730.6	5193.2
67.5°	3607.6	3663.6	3637.5	3521.8	3529.3	3521.8	3361.4	3342.7	3566.6	4835.0	5279.0
70°	3488.2	3488.2	3469.6	3368.9	3365.1	3335.3	3215.9	3186.1	3361.4	4547.8	4950.7
72.5°	3197.2	3197.2	3182.3	3066.7	3044.3	3021.9	2951.0	2898.8	3051.7	4085.2	4488.1
75°	2775.7	2809.2	2790.6	2674.9	2648.8	2633.9	2585.4	2533.2	2671.2	3592.7	3932.2
77.5°	2219.8	2257.1	2234.7	2148.9	2126.5	2134.0	2100.4	2070.6	2171.3	2880.1	3193.5
80°	1488.6	1522.1	1481.1	1440.1	1406.5	1440.1	1425.1	1410.2	1466.2	1835.5	2148.9
82.5°	671.5	679.0	679.0	638.0	611.8	664.1	671.5	682.7	716.3	798.4	876.7
85°	410.4	414.1	406.7	395.5	380.5	391.7	388.0	395.5	410.4	436.5	451.4
87.5°	350.7	350.7	350.7	339.5	328.3	328.3	324.6	328.3	332.0	354.4	361.9
90°	309.7	309.7	309.7	302.2	294.7	294.7	298.5	294.7	302.2	324.6	335.8
92.5°	261.2	264.9	272.3	272.3	272.3	276.1	276.1	276.1	279.8	313.4	324.6
95°	194.0	190.3	205.2	216.4	220.1	227.6	227.6	227.6	235.0	264.9	276.1
97.5°	141.8	141.8	149.2	156.7	164.2	171.6	175.3	175.3	182.8	205.2	208.9
100°	100.7	100.7	108.2	115.7	119.4	130.6	134.3	134.3	134.3	149.2	149.2
102.5°	74.6	70.9	78.3	82.1	85.8	89.5	93.3	93.3	93.3	97.0	97.0
105°	44.8	44.8	48.5	52.2	56.0	56.0	59.7	59.7	56.0	56.0	56.0
107.5°	29.8	29.8	33.6	37.3	37.3	41.0	41.0	41.0	41.0	41.0	41.0
110°	22.4	22.4	26.1	29.8	29.8	33.6	33.6	33.6	33.6	29.8	29.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	18.7	18.7	22.4	22.4	26.1	26.1	26.1	26.1	26.1	26.1	26.1
115°	14.9	14.9	18.7	18.7	18.7	22.4	22.4	22.4	22.4	22.4	22.4
117.5°	11.2	11.2	14.9	14.9	18.7	18.7	18.7	18.7	18.7	18.7	18.7
120°	11.2	11.2	11.2	14.9	14.9	14.9	14.9	14.9	14.9	14.9	14.9
122.5°	7.5	7.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	14.9	14.9
125°	7.5	7.5	7.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2	11.2
127.5°	7.5	7.5	7.5	7.5	11.2	11.2	11.2	11.2	11.2	11.2	11.2
130°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	11.2	11.2
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)