

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: P691631

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691631
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-C018-5TLD-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: 8101 lumens
Efficiency: N/A
Efficacy: 150.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

Input Watts (W): 53.7
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



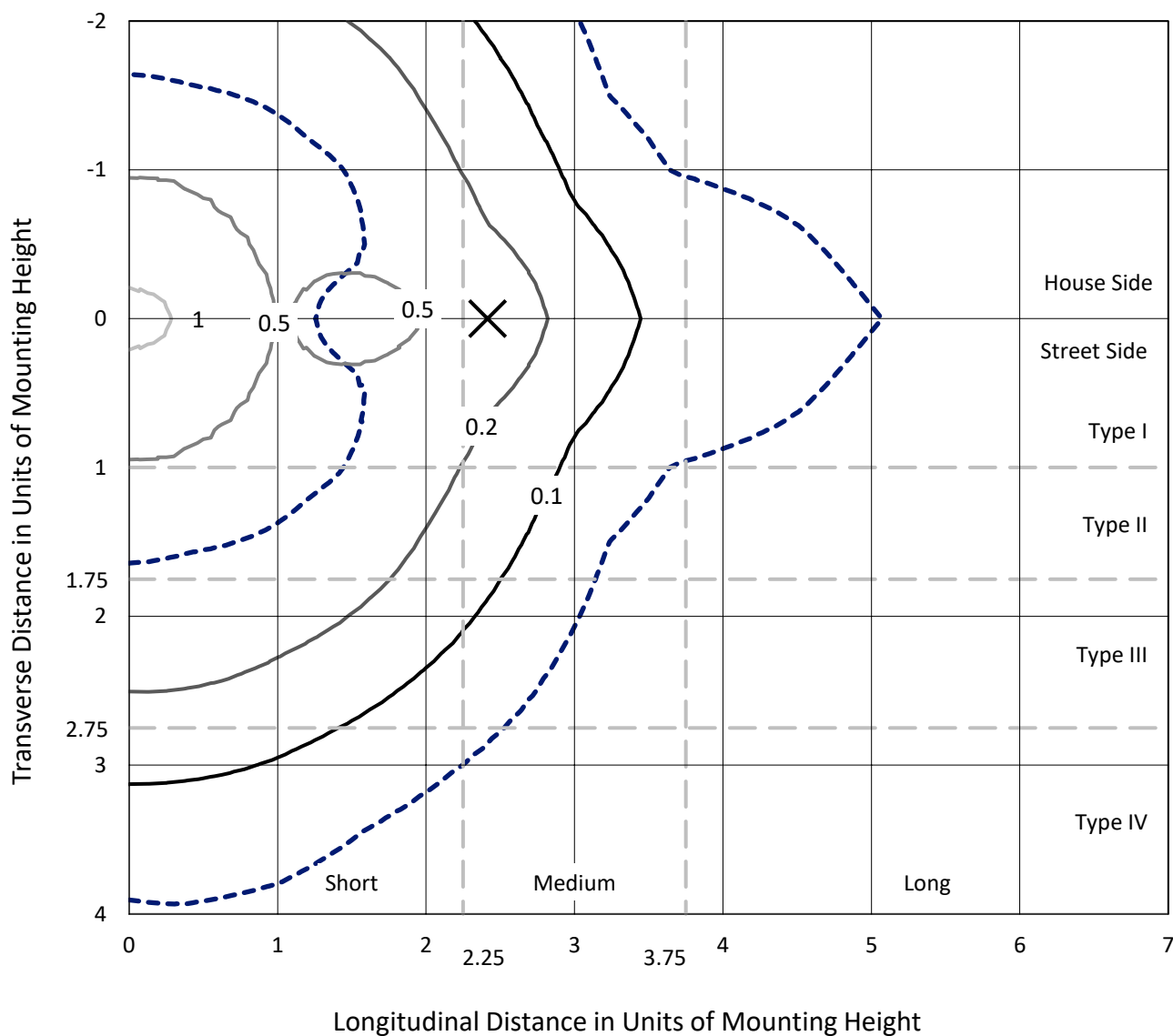
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

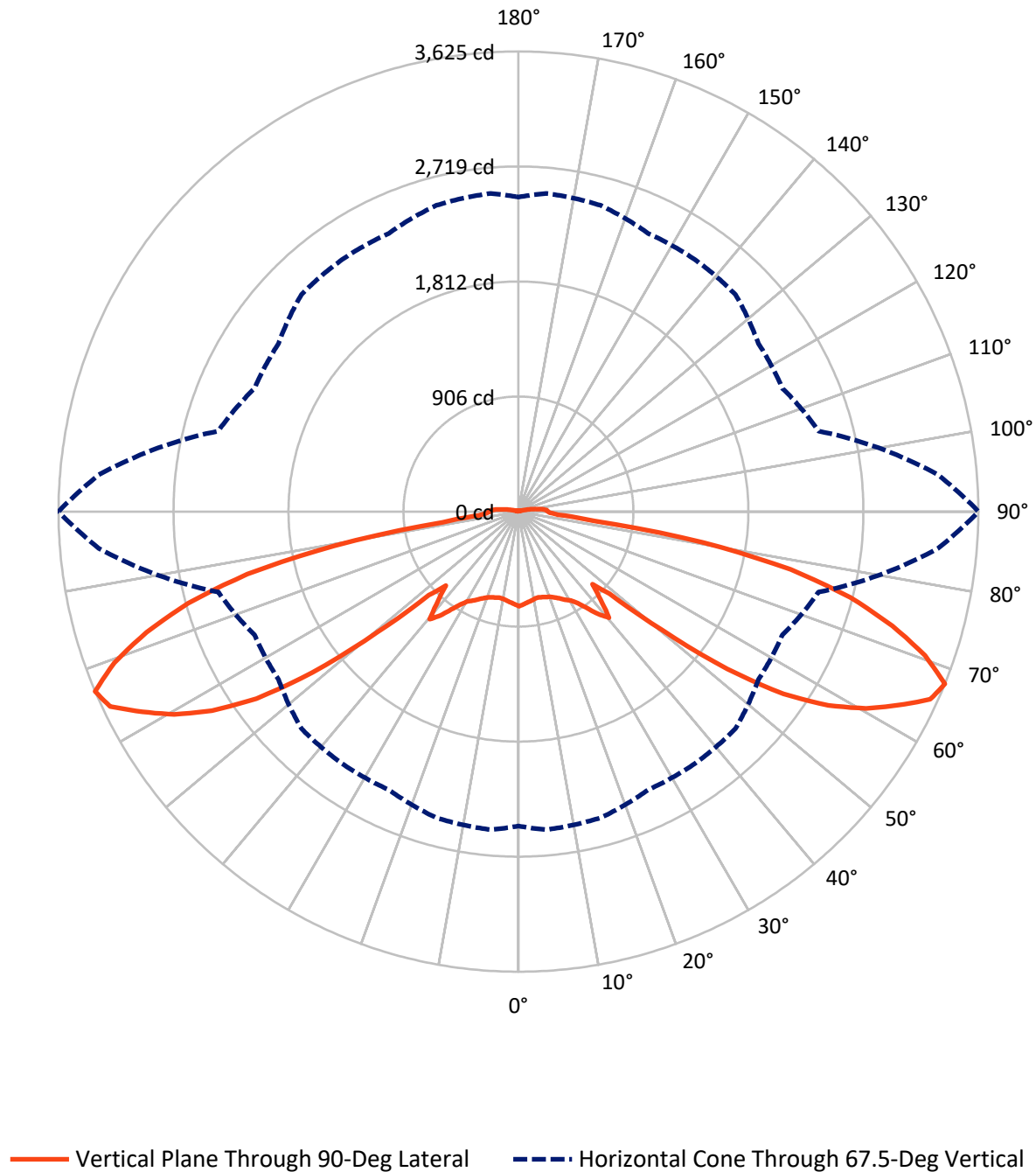
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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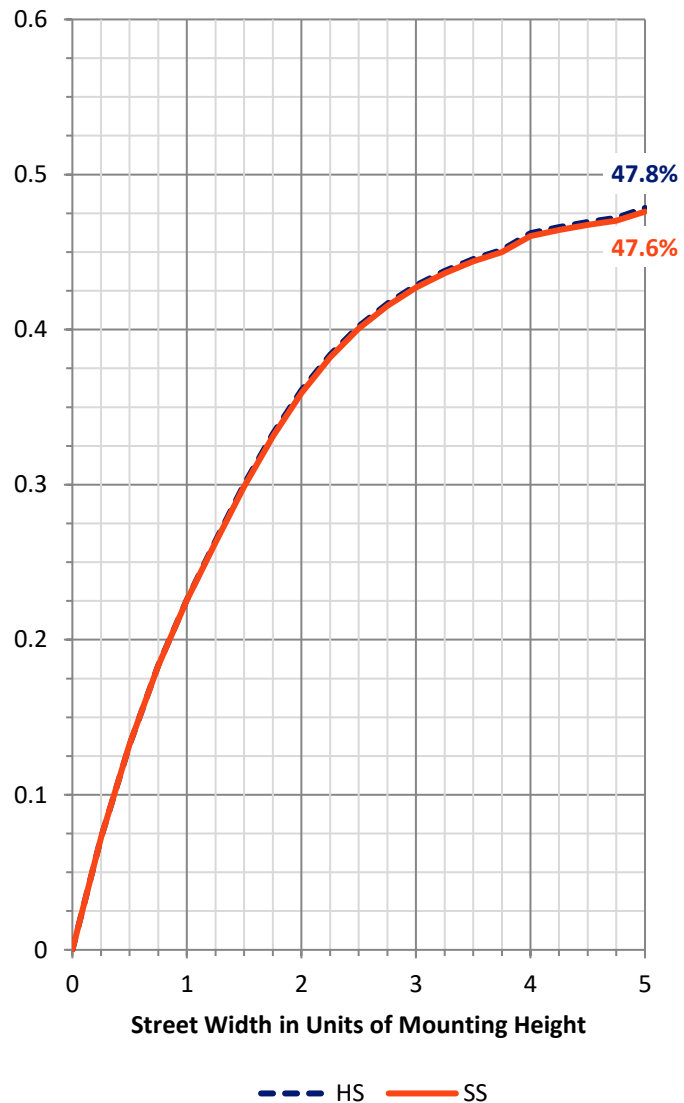
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3933.2	117.3	4050.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3933.2	117.3	4050.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	7866.3	234.7	8101.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	67.4	0.8
10°-20°	192.2	2.4
20°-30°	340.3	4.2
30°-40°	574.1	7.1
40°-50°	643.4	7.9
50°-60°	1332.1	16.4
60°-70°	2344.6	28.9
70°-80°	1937.6	23.9
80°-90°	434.7	5.4
90°-100°	166.2	2.1
100°-110°	47.0	0.6
110°-120°	14.4	0.2
120°-130°	6.6	0.1
130°-140°	0.6	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°	7866.3	97.1
0°-180°	8101.0	100.0

Coefficient of Utilization



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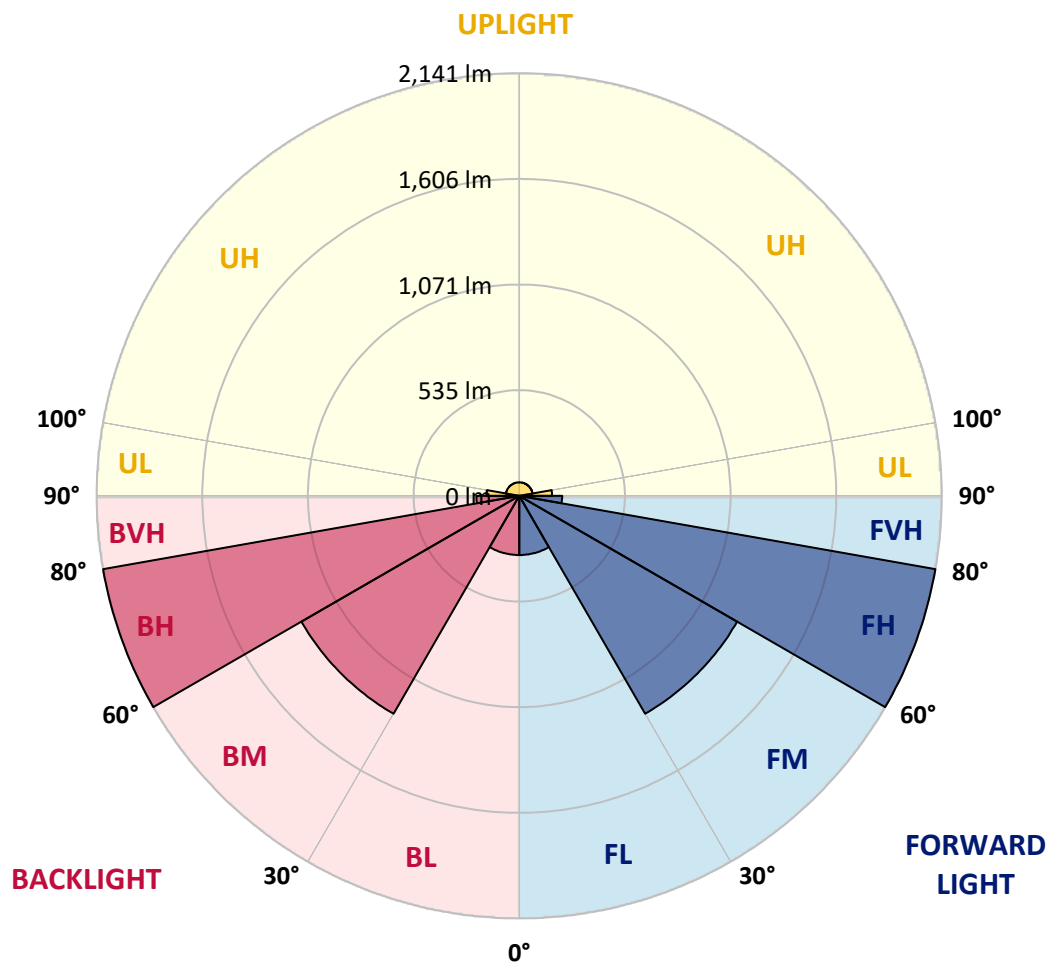
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.0	3.7			
FM	(30°-60°)	1274.8	15.7			
FH	(60°-80°)	2141.1	26.4			G2/5000
FVH	(80°-90°)	217.3	2.7			G2/225
BL	(0°-30°)	300.0	3.7	B1/500		
BM	(30°-60°)	1274.8	15.7	B2/2500		
BH	(60°-80°)	2141.1	26.4	B3/2500		G2/5000
BVH	(80°-90°)	217.3	2.7			G2/225
UL	(90°-100°)	166.2	2.1		U3/500	
UH	(100°-180°)	68.5	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4	745.4
2.5°	737.8	737.8	732.6	730.1	732.6	735.2	737.8	737.8	735.2	732.6	732.6
5°	725.0	722.4	719.8	717.3	717.3	722.4	722.4	725.0	722.4	719.8	719.8
7.5°	691.7	691.7	689.1	686.5	691.7	696.8	704.5	707.0	709.6	709.6	709.6
10°	668.6	668.6	666.0	666.0	671.2	678.8	686.5	694.2	696.8	699.3	699.3
12.5°	655.8	655.8	655.8	653.2	660.9	668.6	681.4	686.5	691.7	694.2	694.2
15°	655.8	653.2	653.2	655.8	660.9	671.2	681.4	691.7	696.8	699.3	699.3
17.5°	660.9	658.4	658.4	658.4	666.0	676.3	689.1	696.8	704.5	707.0	707.0
20°	668.6	668.6	668.6	668.6	673.7	686.5	699.3	707.0	714.7	717.3	717.3
22.5°	689.1	689.1	686.5	684.0	689.1	699.3	714.7	722.4	730.1	735.2	735.2
25°	714.7	712.1	712.1	709.6	709.6	719.8	732.6	742.9	753.1	758.3	758.3
27.5°	745.4	742.9	742.9	737.8	737.8	750.6	760.8	771.1	781.3	786.4	786.4
30°	778.8	781.3	776.2	773.6	771.1	781.3	791.6	799.2	806.9	812.1	812.1
32.5°	832.5	832.5	827.4	824.9	822.3	830.0	835.1	840.2	847.9	858.2	860.7
35°	899.1	896.6	896.6	896.6	896.6	901.7	906.8	904.3	919.6	929.9	935.0
37.5°	986.2	988.8	983.7	978.6	976.0	981.1	986.2	993.9	1009.3	1022.1	1024.7
40°	970.9	965.8	970.9	981.1	983.7	1006.7	1029.8	1047.7	1073.3	1096.4	1099.0
42.5°	871.0	878.7	886.3	886.3	883.8	883.8	886.3	888.9	914.5	947.8	947.8
45°	714.7	719.8	730.1	725.0	701.9	691.7	696.8	704.5	732.6	814.6	817.2
47.5°	758.3	768.5	778.8	748.0	719.8	676.3	671.2	666.0	699.3	927.3	965.8
50°	894.0	894.0	906.8	881.2	871.0	845.4	830.0	835.1	906.8	1380.7	1465.3
52.5°	1163.0	1157.9	1188.6	1157.9	1147.6	1093.8	1034.9	1065.7	1139.9	1888.0	2062.2
55°	1411.5	1416.6	1447.3	1416.6	1388.4	1339.8	1260.3	1314.1	1414.0	2287.6	2536.1
57.5°	1680.5	1688.1	1724.0	1665.1	1608.7	1583.1	1508.8	1565.2	1675.3	2546.3	2879.3
60°	1959.7	1967.4	1985.3	1911.0	1859.8	1847.0	1762.4	1823.9	1957.1	2774.3	3148.3
62.5°	2226.1	2233.8	2223.5	2151.8	2121.1	2123.6	2041.7	2085.2	2228.7	3040.7	3358.4
65°	2395.2	2428.5	2420.8	2341.4	2331.1	2341.4	2254.3	2259.4	2408.0	3248.2	3565.9
67.5°	2477.1	2515.6	2497.6	2418.2	2423.3	2418.2	2308.1	2295.3	2449.0	3319.9	3624.8
70°	2395.2	2395.2	2382.4	2313.2	2310.6	2290.1	2208.2	2187.7	2308.1	3122.7	3399.4
72.5°	2195.4	2195.4	2185.1	2105.7	2090.3	2075.0	2026.3	1990.4	2095.5	2805.0	3081.7
75°	1905.9	1928.9	1916.1	1836.7	1818.8	1808.5	1775.2	1739.4	1834.2	2466.9	2700.0
77.5°	1524.2	1549.8	1534.4	1475.5	1460.2	1465.3	1442.2	1421.7	1490.9	1977.6	2192.8
80°	1022.1	1045.2	1017.0	988.8	965.8	988.8	978.6	968.3	1006.7	1260.3	1475.5
82.5°	461.1	466.2	466.2	438.0	420.1	456.0	461.1	468.8	491.8	548.2	602.0
85°	281.8	284.3	279.2	271.5	261.3	269.0	266.4	271.5	281.8	299.7	310.0
87.5°	240.8	240.8	240.8	233.1	225.4	225.4	222.9	225.4	228.0	243.4	248.5
90°	212.6	212.6	212.6	207.5	202.4	202.4	204.9	202.4	207.5	222.9	230.6
92.5°	179.3	181.9	187.0	187.0	187.0	189.6	189.6	189.6	192.1	215.2	222.9
95°	133.2	130.6	140.9	148.6	151.1	156.3	156.3	156.3	161.4	181.9	189.6
97.5°	97.3	97.3	102.5	107.6	112.7	117.8	120.4	120.4	125.5	140.9	143.5
100°	69.2	69.2	74.3	79.4	82.0	89.7	92.2	92.2	92.2	102.5	102.5
102.5°	51.2	48.7	53.8	56.4	58.9	61.5	64.0	64.0	64.0	66.6	66.6
105°	30.7	30.7	33.3	35.9	38.4	38.4	41.0	41.0	38.4	38.4	38.4
107.5°	20.5	20.5	23.1	25.6	25.6	28.2	28.2	28.2	28.2	28.2	28.2
110°	15.4	15.4	17.9	20.5	20.5	23.1	23.1	23.1	23.1	20.5	20.5



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.8	12.8	15.4	15.4	17.9	17.9	17.9	17.9	17.9	17.9	17.9
115°	10.2	10.2	12.8	12.8	12.8	15.4	15.4	15.4	15.4	15.4	15.4
117.5°	7.7	7.7	10.2	10.2	12.8	12.8	12.8	12.8	12.8	12.8	12.8
120°	7.7	7.7	7.7	10.2	10.2	10.2	10.2	10.2	10.2	10.2	10.2
122.5°	5.1	5.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	10.2	10.2
125°	5.1	5.1	5.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7	7.7
127.5°	5.1	5.1	5.1	5.1	7.7	7.7	7.7	7.7	7.7	7.7	7.7
130°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.7	7.7
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)