

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: P691447

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7030-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691447
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-C016-5TLD-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: 6317 lumens
Efficiency: N/A
Efficacy: 147.6 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): 42.8
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

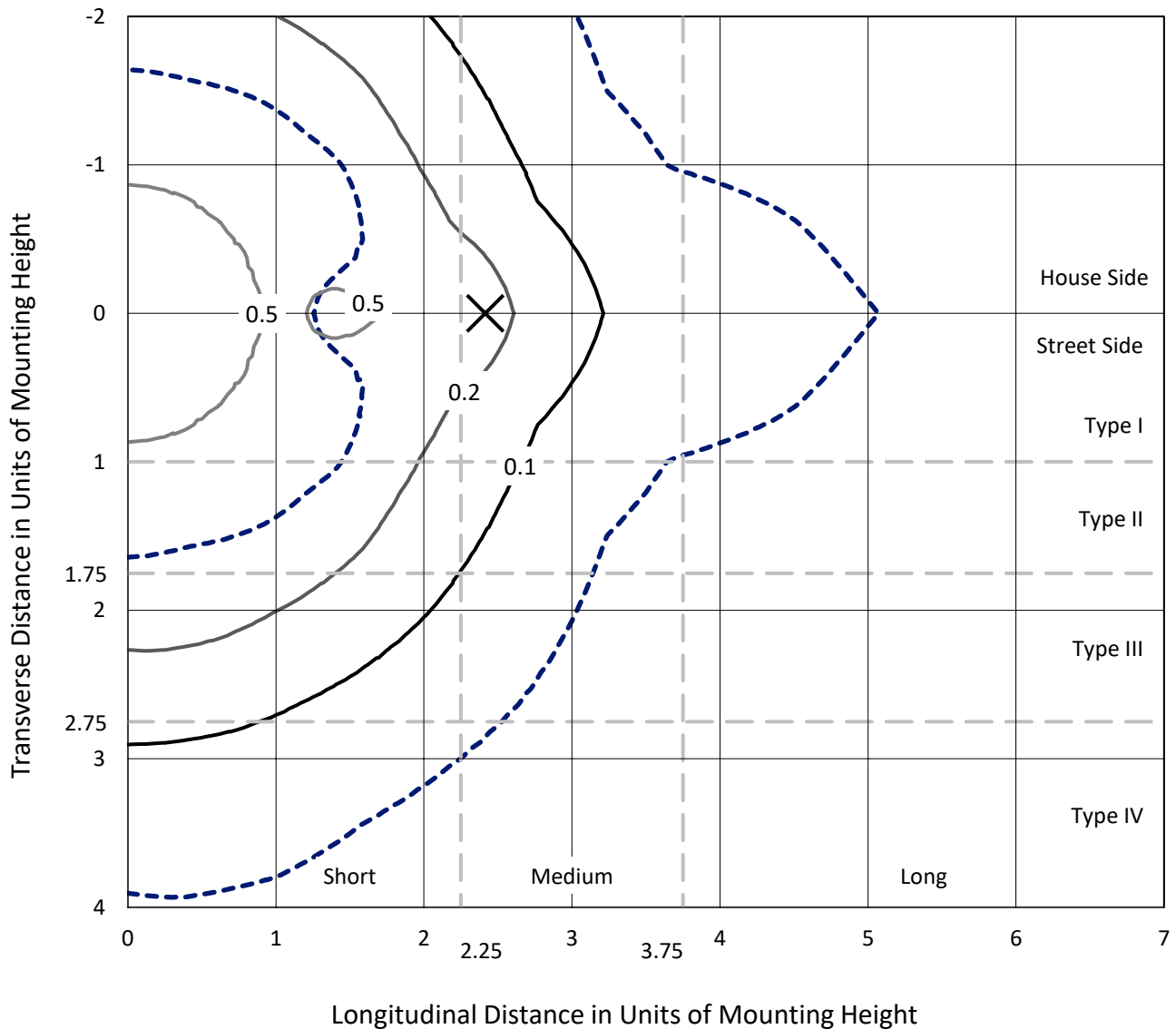


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Iso-Footcandle Lines of Horizontal Illumination

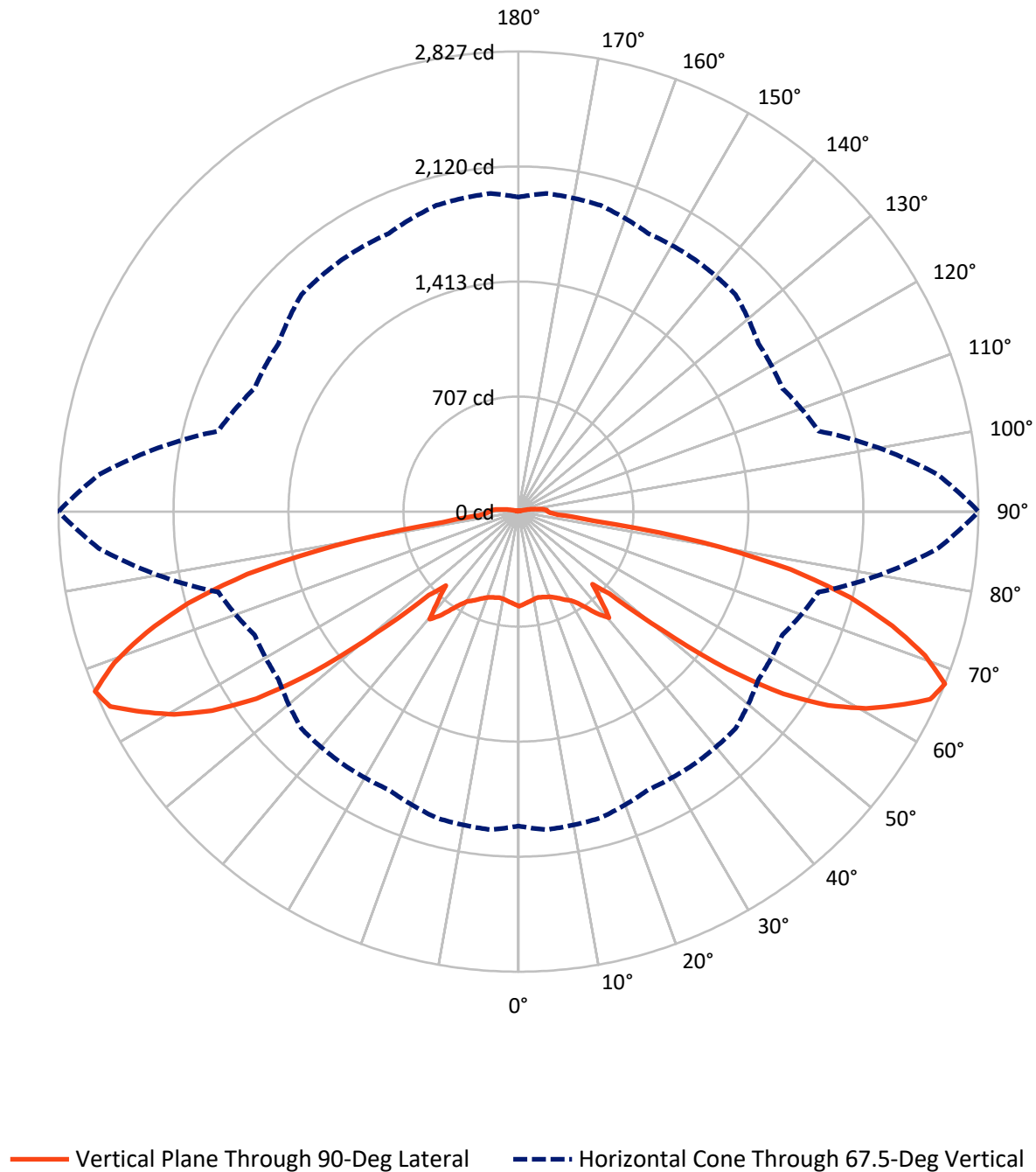
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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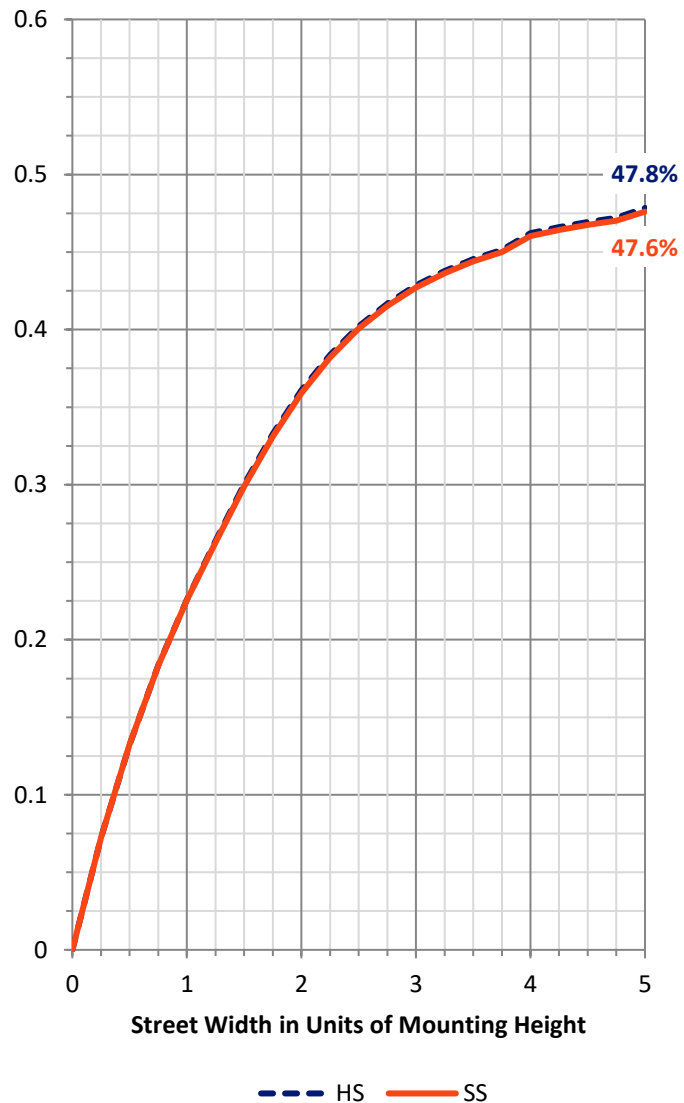
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3067.0	91.5	3158.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3067.0	91.5	3158.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	6134.0	183.0	6317.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	52.6	0.8
10°-20°	149.9	2.4
20°-30°	265.4	4.2
30°-40°	447.7	7.1
40°-50°	501.7	7.9
50°-60°	1038.7	16.4
60°-70°	1828.3	28.9
70°-80°	1510.9	23.9
80°-90°	338.9	5.4
90°-100°	129.6	2.1
100°-110°	36.6	0.6
110°-120°	11.2	0.2
120°-130°	5.1	0.1
130°-140°	0.4	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°	6134.0	97.1
0°-180°	6317.0	100.0

Coefficient of Utilization



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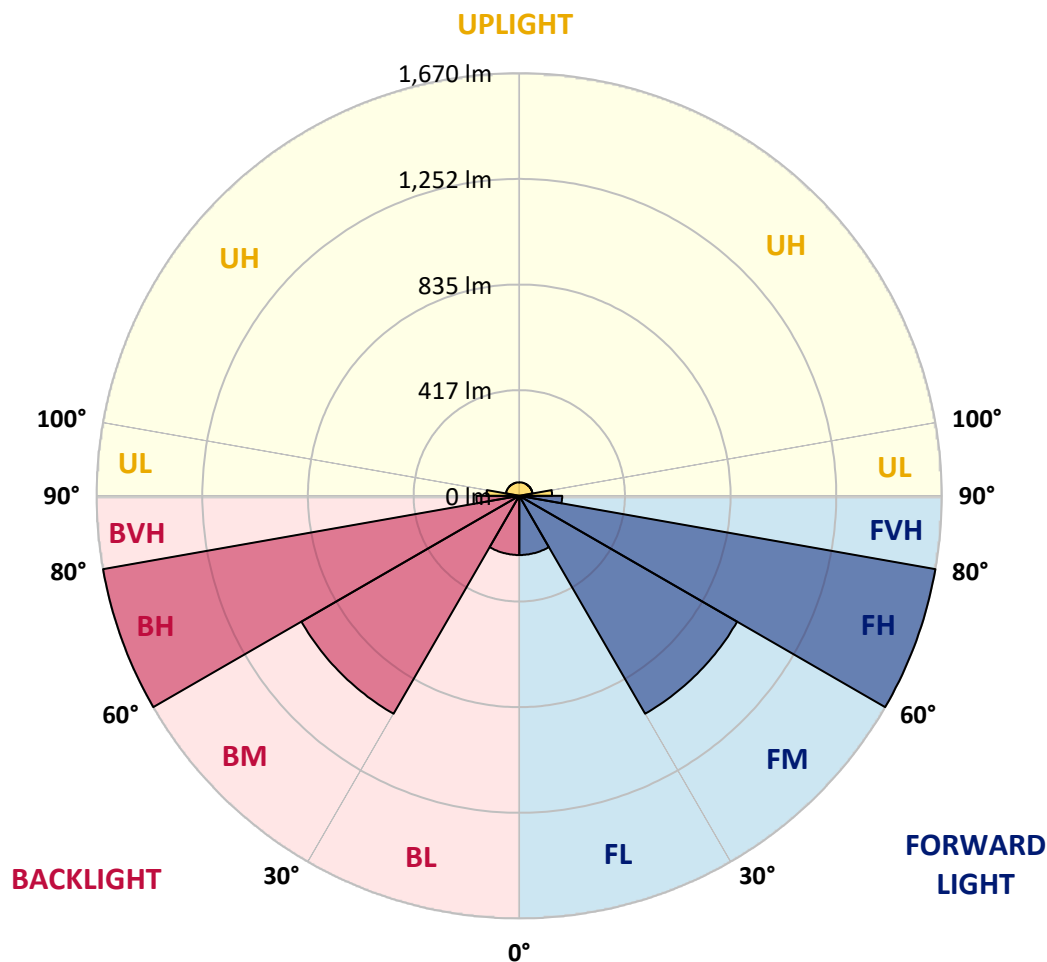
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	233.9	3.7			
FM	(30°-60°)	994.1	15.7			
FH	(60°-80°)	1669.6	26.4			G1/1800
FVH	(80°-90°)	169.5	2.7			G2/225
BL	(0°-30°)	233.9	3.7	B1/500		
BM	(30°-60°)	994.1	15.7	B1/1000		
BH	(60°-80°)	1669.6	26.4	B3/2500		G1/1800
BVH	(80°-90°)	169.5	2.7			G2/225
UL	(90°-100°)	129.6	2.1		U3/500	
UH	(100°-180°)	53.4	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°	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.3	581.3
2.5°	575.3	575.3	571.3	569.3	571.3	573.3	575.3	575.3	573.3	571.3	571.3
5°	565.3	563.3	561.3	559.3	559.3	563.3	563.3	565.3	563.3	561.3	561.3
7.5°	539.3	539.3	537.3	535.3	539.3	543.3	549.3	551.3	553.3	553.3	553.3
10°	521.4	521.4	519.4	519.4	523.4	529.4	535.3	541.3	543.3	545.3	545.3
12.5°	511.4	511.4	511.4	509.4	515.4	521.4	531.3	535.3	539.3	541.3	541.3
15°	511.4	509.4	509.4	511.4	515.4	523.4	531.3	539.3	543.3	545.3	545.3
17.5°	515.4	513.4	513.4	513.4	519.4	527.4	537.3	543.3	549.3	551.3	551.3
20°	521.4	521.4	521.4	521.4	525.4	535.3	545.3	551.3	557.3	559.3	559.3
22.5°	537.3	537.3	535.3	533.3	537.3	545.3	557.3	563.3	569.3	573.3	573.3
25°	557.3	555.3	555.3	553.3	553.3	561.3	571.3	579.3	587.3	591.3	591.3
27.5°	581.3	579.3	579.3	575.3	575.3	585.3	593.3	601.3	609.3	613.2	613.2
30°	607.3	609.3	605.3	603.3	601.3	609.3	617.2	623.2	629.2	633.2	633.2
32.5°	649.2	649.2	645.2	643.2	641.2	647.2	651.2	655.2	661.2	669.2	671.2
35°	701.1	699.1	699.1	699.1	699.1	703.1	707.1	705.1	717.1	725.1	729.1
37.5°	769.1	771.1	767.1	763.1	761.1	765.1	769.1	775.0	787.0	797.0	799.0
40°	757.1	753.1	757.1	765.1	767.1	785.0	803.0	817.0	837.0	855.0	856.9
42.5°	679.2	685.2	691.2	691.2	689.2	689.2	691.2	693.1	713.1	739.1	739.1
45°	557.3	561.3	569.3	565.3	547.3	539.3	543.3	549.3	571.3	635.2	637.2
47.5°	591.3	599.3	607.3	583.3	561.3	527.4	523.4	519.4	545.3	723.1	753.1
50°	697.1	697.1	707.1	687.2	679.2	659.2	647.2	651.2	707.1	1076.7	1142.6
52.5°	906.9	902.9	926.9	902.9	894.9	853.0	807.0	831.0	888.9	1472.2	1608.0
55°	1100.6	1104.6	1128.6	1104.6	1082.7	1044.7	982.8	1024.7	1102.6	1783.8	1977.6
57.5°	1310.4	1316.4	1344.3	1298.4	1254.5	1234.5	1176.6	1220.5	1306.4	1985.6	2245.2
60°	1528.1	1534.1	1548.1	1490.2	1450.2	1440.2	1374.3	1422.3	1526.1	2163.3	2455.0
62.5°	1735.9	1741.9	1733.9	1677.9	1654.0	1656.0	1592.0	1626.0	1737.9	2371.1	2618.8
65°	1867.7	1893.7	1887.7	1825.8	1817.8	1825.8	1757.8	1761.8	1877.7	2532.9	2780.6
67.5°	1931.6	1961.6	1947.6	1885.7	1889.7	1885.7	1799.8	1789.8	1909.7	2588.8	2826.5
70°	1867.7	1867.7	1857.7	1803.8	1801.8	1785.8	1721.9	1705.9	1799.8	2435.0	2650.7
72.5°	1711.9	1711.9	1703.9	1642.0	1630.0	1618.0	1580.1	1552.1	1634.0	2187.3	2403.1
75°	1486.2	1504.2	1494.2	1432.2	1418.3	1410.3	1384.3	1356.3	1430.2	1923.6	2105.4
77.5°	1188.5	1208.5	1196.5	1150.6	1138.6	1142.6	1124.6	1108.6	1162.6	1542.1	1709.9
80°	797.0	815.0	793.0	771.1	753.1	771.1	763.1	755.1	785.0	982.8	1150.6
82.5°	359.6	363.6	363.6	341.6	327.6	355.6	359.6	365.6	383.5	427.5	469.4
85°	219.7	221.7	217.7	211.7	203.7	209.7	207.7	211.7	219.7	233.7	241.7
87.5°	187.8	187.8	187.8	181.8	175.8	175.8	173.8	175.8	177.8	189.8	193.8
90°	165.8	165.8	165.8	161.8	157.8	157.8	159.8	157.8	161.8	173.8	179.8
92.5°	139.8	141.8	145.8	145.8	145.8	147.8	147.8	147.8	149.8	167.8	173.8
95°	103.9	101.9	109.9	115.9	117.9	121.9	121.9	121.9	125.8	141.8	147.8
97.5°	75.9	75.9	79.9	83.9	87.9	91.9	93.9	93.9	97.9	109.9	111.9
100°	53.9	53.9	57.9	61.9	63.9	69.9	71.9	71.9	71.9	79.9	79.9
102.5°	40.0	38.0	41.9	43.9	45.9	47.9	49.9	49.9	49.9	51.9	51.9
105°	24.0	24.0	26.0	28.0	30.0	30.0	32.0	32.0	30.0	30.0	30.0
107.5°	16.0	16.0	18.0	20.0	20.0	22.0	22.0	22.0	22.0	22.0	22.0
110°	12.0	12.0	14.0	16.0	16.0	18.0	18.0	18.0	18.0	16.0	16.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.0	10.0	12.0	12.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0
115°	8.0	8.0	10.0	10.0	10.0	12.0	12.0	12.0	12.0	12.0	12.0
117.5°	6.0	6.0	8.0	8.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0
120°	6.0	6.0	6.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
122.5°	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0
125°	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
127.5°	4.0	4.0	4.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
130°	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	4.0	6.0	6.0
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)