

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: P691730

Luminaire Tested: **CRTK2-C018-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691730
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-D-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: 7222 lumens
Efficiency: N/A
Efficacy: 143.3 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): 50.4
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

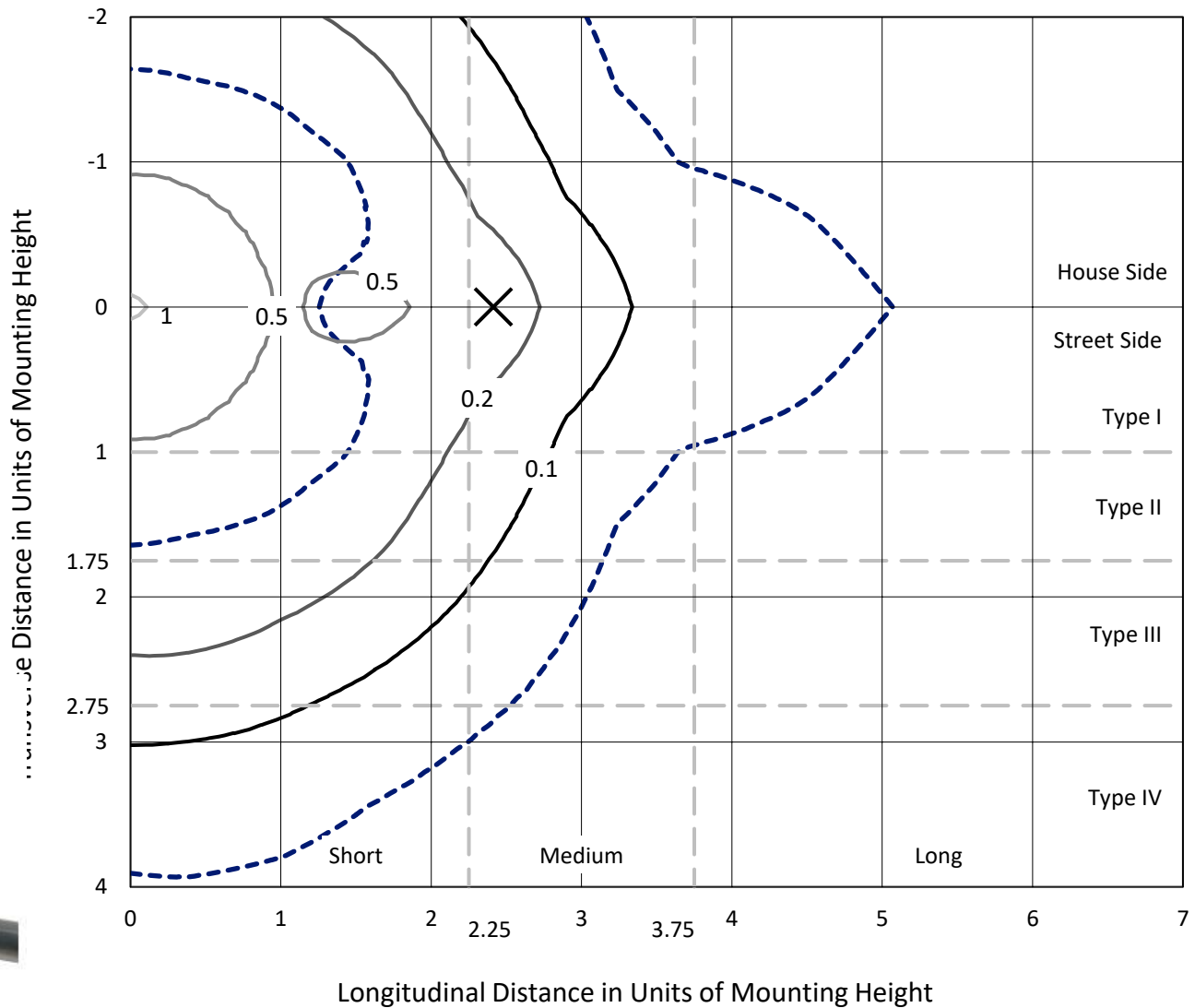


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

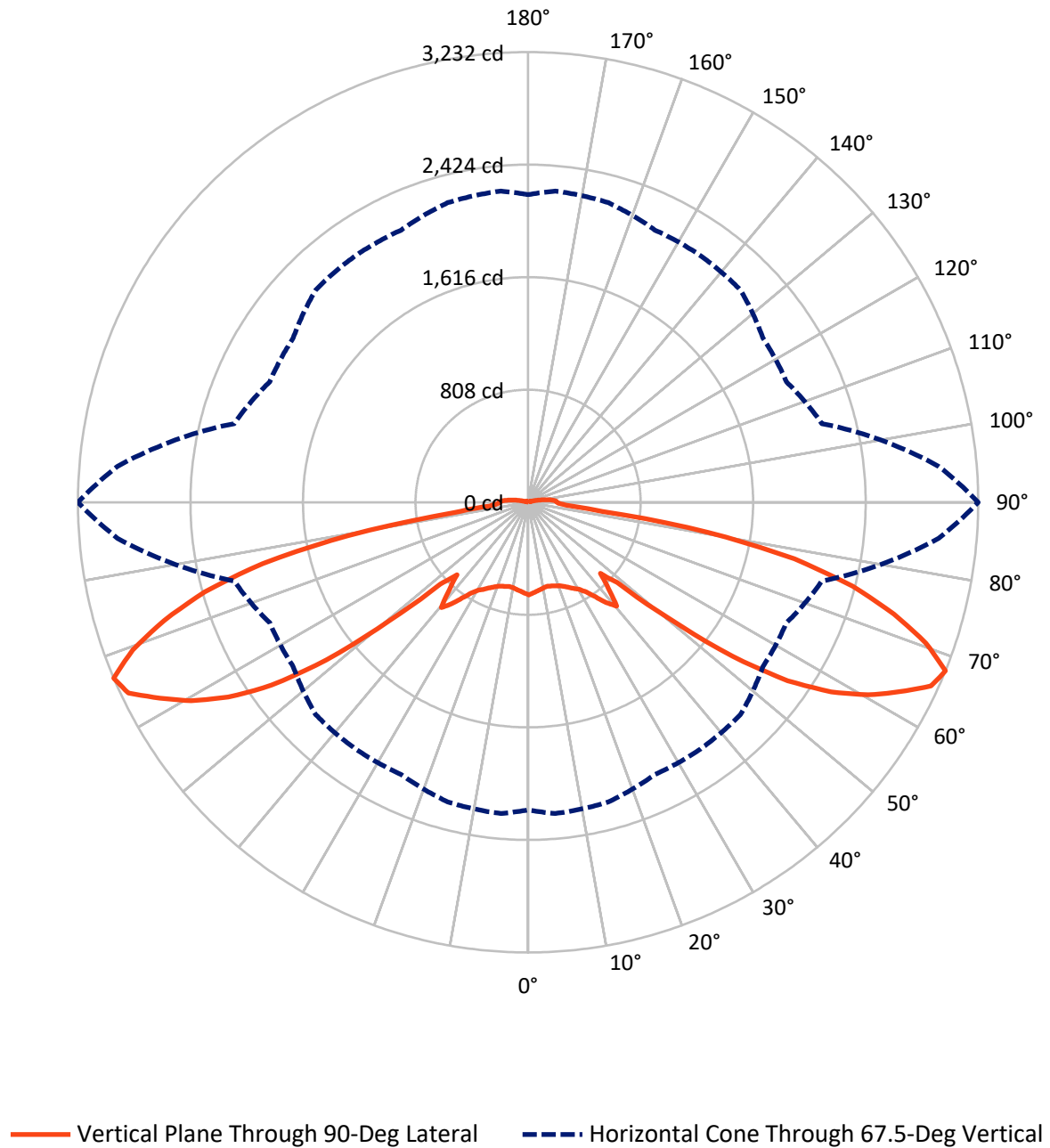


Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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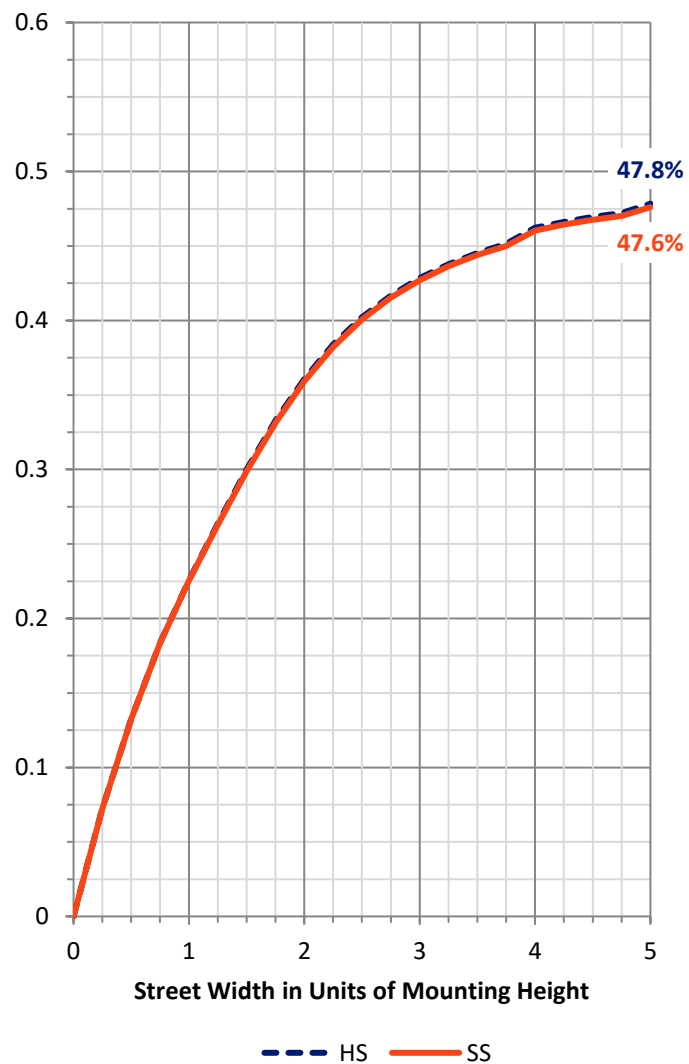
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3506.4	104.6	3611.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3506.4	104.6	3611.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	7012.8	209.2	7222.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.1	0.8
10°-20°	171.4	2.4
20°-30°	303.4	4.2
30°-40°	511.8	7.1
40°-50°	573.6	7.9
50°-60°	1187.5	16.4
60°-70°	2090.2	28.9
70°-80°	1727.3	23.9
80°-90°	387.5	5.4
90°-100°	148.1	2.1
100°-110°	41.9	0.6
110°-120°	12.8	0.2
120°-130°	5.9	0.1
130°-140°	0.5	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°	7012.8	97.1
0°-180°	7222.0	100.0

Coefficient of Utilization



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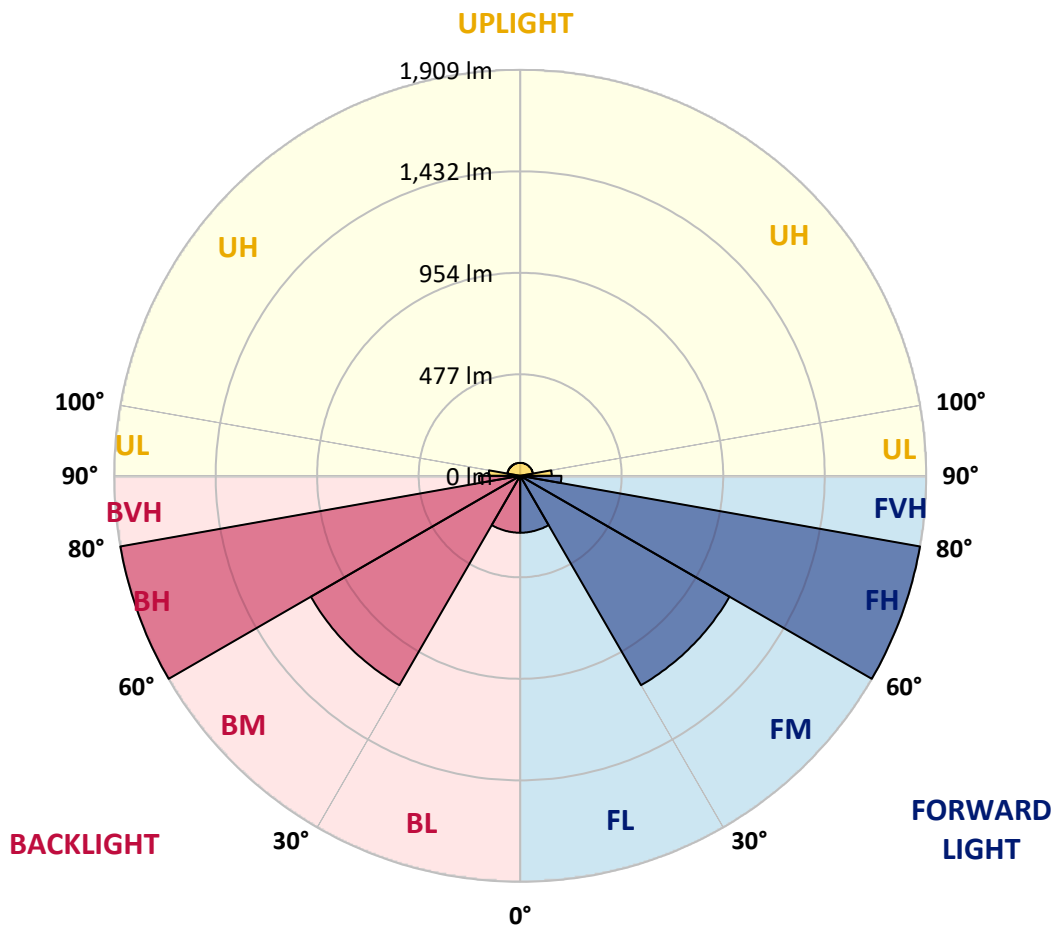
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.4	3.7			
FM	(30°-60°)	1136.5	15.7			
FH	(60°-80°)	1908.7	26.4			G2/5000
FVH	(80°-90°)	193.8	2.7			G2/225
BL	(0°-30°)	267.4	3.7	B1/500		
BM	(30°-60°)	1136.5	15.7	B2/2500		
BH	(60°-80°)	1908.7	26.4	B3/2500		G2/5000
BVH	(80°-90°)	193.8	2.7			G2/225
UL	(90°-100°)	148.1	2.1		U3/500	
UH	(100°-180°)	61.1	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°	664.6	664.6	664.6	664.6	664.6	664.6	664.6	664.6	664.6	664.6	664.6
2.5°	657.7	657.7	653.1	650.9	653.1	655.4	657.7	657.7	655.4	653.1	653.1
5°	646.3	644.0	641.7	639.4	639.4	644.0	644.0	646.3	644.0	641.7	641.7
7.5°	616.6	616.6	614.3	612.0	616.6	621.2	628.0	630.3	632.6	632.6	632.6
10°	596.1	596.1	593.8	593.8	598.3	605.2	612.0	618.9	621.2	623.5	623.5
12.5°	584.6	584.6	584.6	582.3	589.2	596.1	607.5	612.0	616.6	618.9	618.9
15°	584.6	582.3	582.3	584.6	589.2	598.3	607.5	616.6	621.2	623.5	623.5
17.5°	589.2	586.9	586.9	586.9	593.8	602.9	614.3	621.2	628.0	630.3	630.3
20°	596.1	596.1	596.1	596.1	600.6	612.0	623.5	630.3	637.2	639.4	639.4
22.5°	614.3	614.3	612.0	609.8	614.3	623.5	637.2	644.0	650.9	655.4	655.4
25°	637.2	634.9	634.9	632.6	632.6	641.7	653.1	662.3	671.4	676.0	676.0
27.5°	664.6	662.3	662.3	657.7	657.7	669.1	678.3	687.4	696.5	701.1	701.1
30°	694.3	696.5	692.0	689.7	687.4	696.5	705.7	712.5	719.4	723.9	723.9
32.5°	742.2	742.2	737.6	735.4	733.1	739.9	744.5	749.1	755.9	765.0	767.3
35°	801.6	799.3	799.3	799.3	799.3	803.9	808.4	806.2	819.9	829.0	833.6
37.5°	879.2	881.5	877.0	872.4	870.1	874.7	879.2	886.1	899.8	911.2	913.5
40°	865.5	861.0	865.5	874.7	877.0	897.5	918.1	934.0	956.9	977.4	979.7
42.5°	776.5	783.3	790.2	790.2	787.9	787.9	790.2	792.5	815.3	845.0	845.0
45°	637.2	641.7	650.9	646.3	625.7	616.6	621.2	628.0	653.1	726.2	728.5
47.5°	676.0	685.1	694.3	666.8	641.7	602.9	598.3	593.8	623.5	826.7	861.0
50°	797.0	797.0	808.4	785.6	776.5	753.6	739.9	744.5	808.4	1230.9	1306.3
52.5°	1036.8	1032.2	1059.6	1032.2	1023.1	975.2	922.6	950.0	1016.3	1683.1	1838.4
55°	1258.3	1262.9	1290.3	1262.9	1237.8	1194.4	1123.6	1171.6	1260.6	2039.4	2260.9
57.5°	1498.1	1505.0	1536.9	1484.4	1434.2	1411.3	1345.1	1395.4	1493.6	2270.0	2566.9
60°	1747.0	1753.9	1769.9	1703.7	1658.0	1646.6	1571.2	1626.0	1744.8	2473.3	2806.7
62.5°	1984.6	1991.4	1982.3	1918.3	1890.9	1893.2	1820.1	1859.0	1986.8	2710.8	2994.0
65°	2135.3	2165.0	2158.1	2087.3	2078.2	2087.3	2009.7	2014.2	2146.7	2895.8	3178.9
67.5°	2208.4	2242.6	2226.6	2155.8	2160.4	2155.8	2057.6	2046.2	2183.2	2959.7	3231.5
70°	2135.3	2135.3	2123.9	2062.2	2059.9	2041.7	1968.6	1950.3	2057.6	2783.9	3030.5
72.5°	1957.2	1957.2	1948.0	1877.2	1863.5	1849.8	1806.4	1774.5	1868.1	2500.7	2747.3
75°	1699.1	1719.6	1708.2	1637.4	1621.4	1612.3	1582.6	1550.6	1635.1	2199.2	2407.0
77.5°	1358.8	1381.7	1368.0	1315.4	1301.7	1306.3	1285.7	1267.5	1329.1	1763.0	1954.9
80°	911.2	931.8	906.6	881.5	861.0	881.5	872.4	863.2	897.5	1123.6	1315.4
82.5°	411.1	415.6	415.6	390.5	374.5	406.5	411.1	417.9	438.5	488.7	536.7
85°	251.2	253.5	248.9	242.1	232.9	239.8	237.5	242.1	251.2	267.2	276.3
87.5°	214.7	214.7	214.7	207.8	201.0	201.0	198.7	201.0	203.3	217.0	221.5
90°	189.5	189.5	189.5	185.0	180.4	180.4	182.7	180.4	185.0	198.7	205.5
92.5°	159.9	162.1	166.7	166.7	166.7	169.0	169.0	169.0	171.3	191.8	198.7
95°	118.8	116.5	125.6	132.5	134.7	139.3	139.3	139.3	143.9	162.1	169.0
97.5°	86.8	86.8	91.3	95.9	100.5	105.1	107.3	107.3	111.9	125.6	127.9
100°	61.7	61.7	66.2	70.8	73.1	79.9	82.2	82.2	82.2	91.3	91.3
102.5°	45.7	43.4	48.0	50.2	52.5	54.8	57.1	57.1	57.1	59.4	59.4
105°	27.4	27.4	29.7	32.0	34.3	34.3	36.5	36.5	34.3	34.3	34.3
107.5°	18.3	18.3	20.6	22.8	22.8	25.1	25.1	25.1	25.1	25.1	25.1
110°	13.7	13.7	16.0	18.3	18.3	20.6	20.6	20.6	20.6	18.3	18.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.4	11.4	13.7	13.7	16.0	16.0	16.0	16.0	16.0	16.0	16.0
115°	9.1	9.1	11.4	11.4	11.4	13.7	13.7	13.7	13.7	13.7	13.7
117.5°	6.9	6.9	9.1	9.1	11.4	11.4	11.4	11.4	11.4	11.4	11.4
120°	6.9	6.9	6.9	9.1	9.1	9.1	9.1	9.1	9.1	9.1	9.1
122.5°	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	9.1	9.1
125°	4.6	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
127.5°	4.6	4.6	4.6	4.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
130°	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	4.6	6.9	6.9
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)