

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: P690916

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690916
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-C01-5TLD-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8000 lumens
Efficiency: N/A
Efficacy: 133.3 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): 60
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

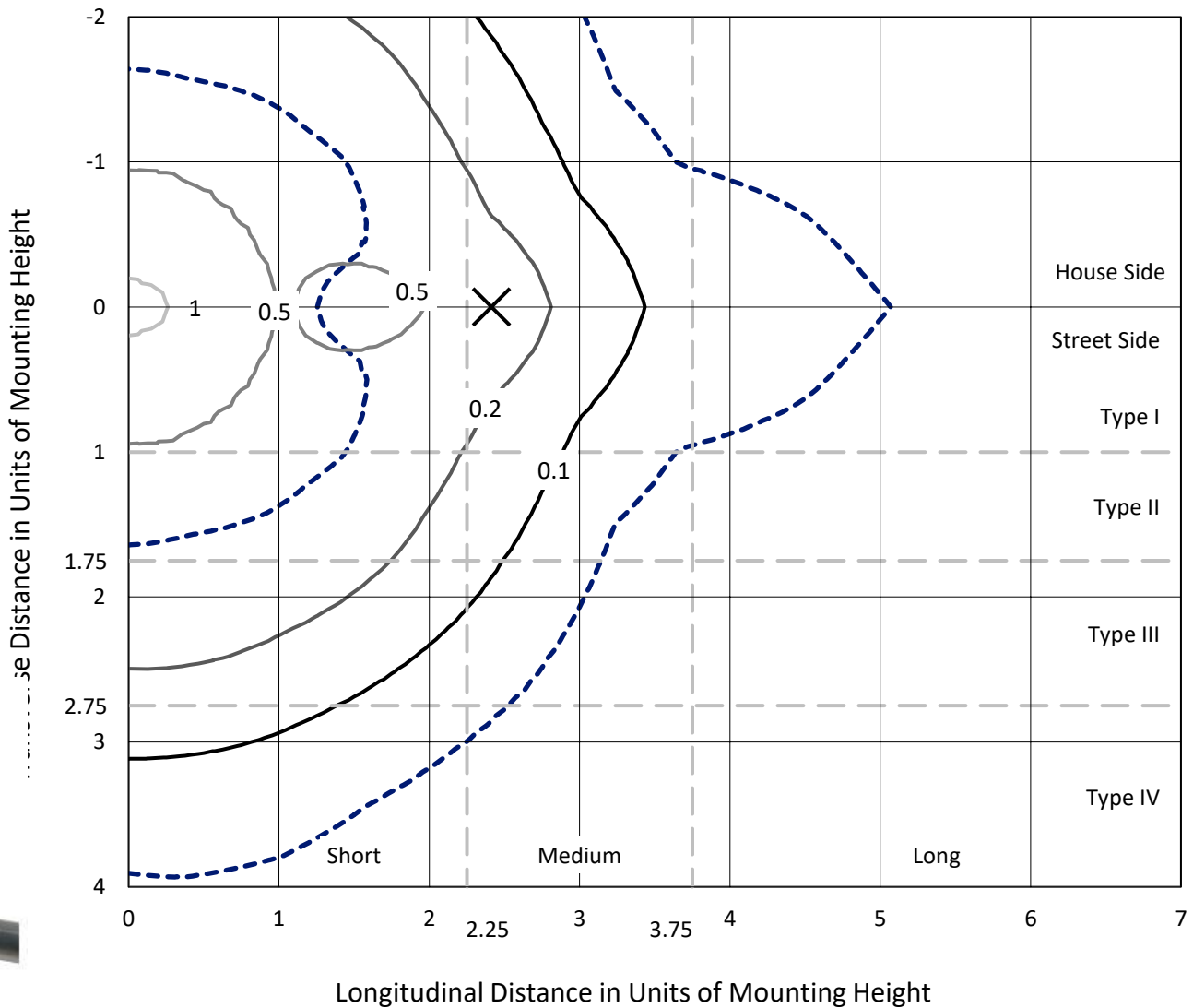


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

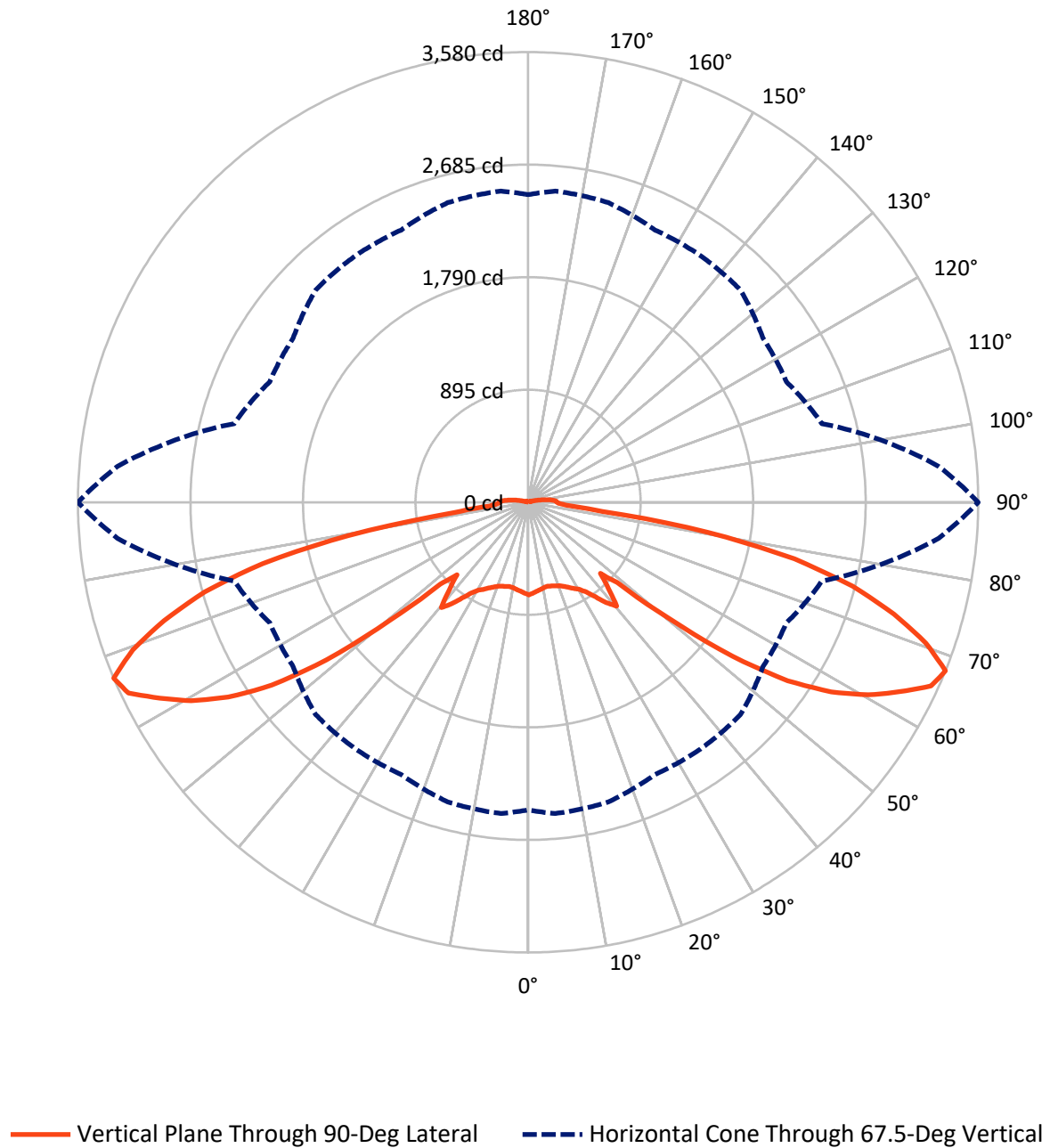


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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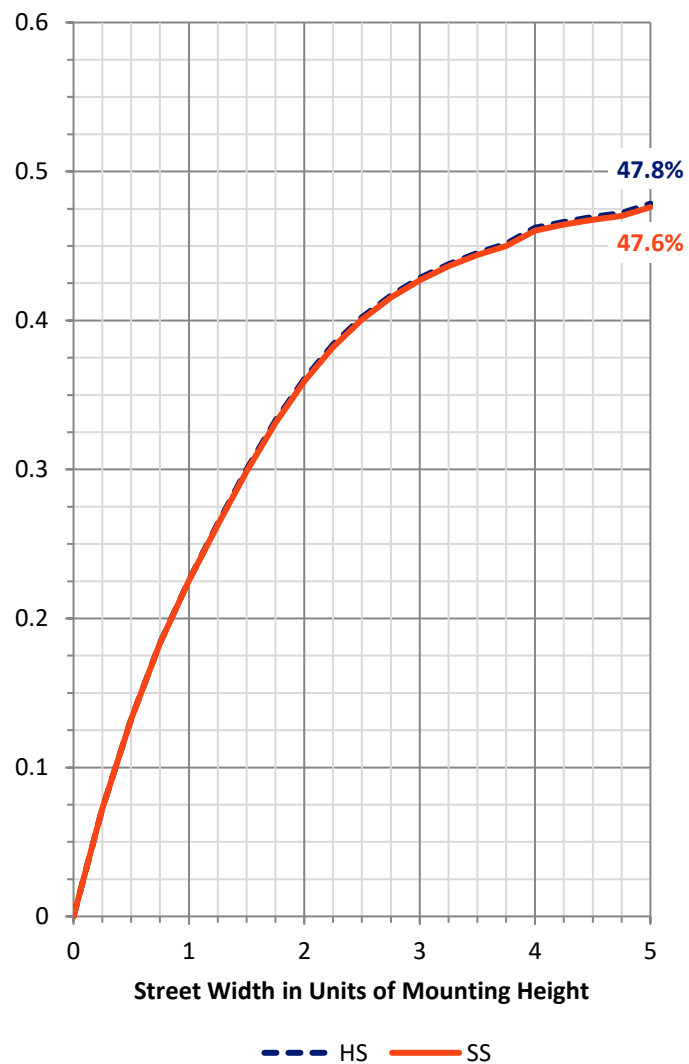
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3884.1	115.9	4000.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3884.1	115.9	4000.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	7768.3	231.7	8000.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.6	0.8
10°-20°	189.8	2.4
20°-30°	336.1	4.2
30°-40°	566.9	7.1
40°-50°	635.4	7.9
50°-60°	1315.5	16.4
60°-70°	2315.4	28.9
70°-80°	1913.4	23.9
80°-90°	429.2	5.4
90°-100°	164.1	2.1
100°-110°	46.4	0.6
110°-120°	14.2	0.2
120°-130°	6.5	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°	7768.3	97.1
0°-180°	8000.0	100.0

Coefficient of Utilization



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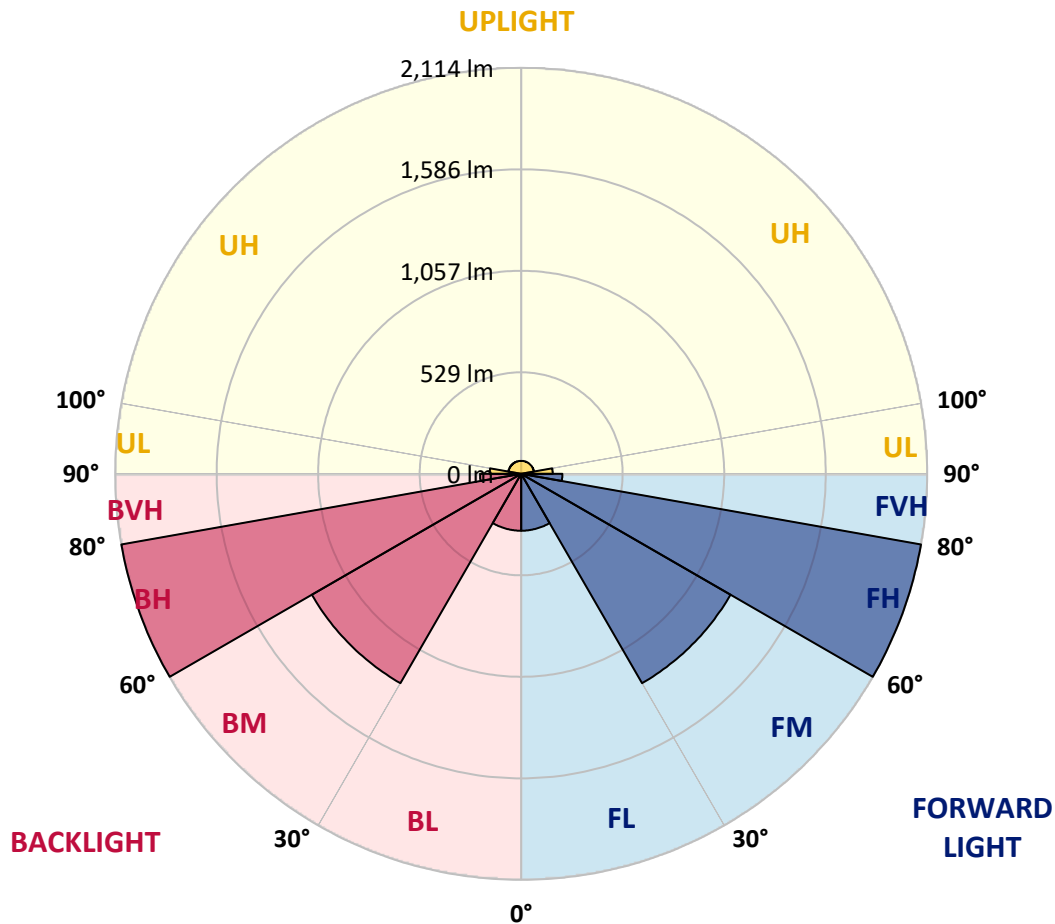
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	296.2	3.7			
FM	(30°-60°)	1258.9	15.7			
FH	(60°-80°)	2114.4	26.4			G2/5000
FVH	(80°-90°)	214.6	2.7			G2/225
BL	(0°-30°)	296.2	3.7	B1/500		
BM	(30°-60°)	1258.9	15.7	B2/2500		
BH	(60°-80°)	2114.4	26.4	B3/2500		G2/5000
BVH	(80°-90°)	214.6	2.7			G2/225
UL	(90°-100°)	164.1	2.1		U3/500	
UH	(100°-180°)	67.6	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°	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2	736.2
2.5°	728.6	728.6	723.5	721.0	723.5	726.0	728.6	728.6	726.0	723.5	723.5
5°	715.9	713.4	710.9	708.3	708.3	713.4	713.4	715.9	713.4	710.9	710.9
7.5°	683.0	683.0	680.5	678.0	683.0	688.1	695.7	698.2	700.7	700.7	700.7
10°	660.3	660.3	657.7	657.7	662.8	670.4	678.0	685.6	688.1	690.6	690.6
12.5°	647.6	647.6	647.6	645.1	652.7	660.3	672.9	678.0	683.0	685.6	685.6
15°	647.6	645.1	645.1	647.6	652.7	662.8	672.9	683.0	688.1	690.6	690.6
17.5°	652.7	650.1	650.1	650.1	657.7	667.9	680.5	688.1	695.7	698.2	698.2
20°	660.3	660.3	660.3	660.3	665.3	678.0	690.6	698.2	705.8	708.3	708.3
22.5°	680.5	680.5	678.0	675.4	680.5	690.6	705.8	713.4	721.0	726.0	726.0
25°	705.8	703.3	703.3	700.7	700.7	710.9	723.5	733.6	743.7	748.8	748.8
27.5°	736.2	733.6	733.6	728.6	728.6	741.2	751.3	761.5	771.6	776.6	776.6
30°	769.0	771.6	766.5	764.0	761.5	771.6	781.7	789.3	796.9	801.9	801.9
32.5°	822.2	822.2	817.1	814.6	812.0	819.6	824.7	829.8	837.3	847.5	850.0
35°	887.9	885.4	885.4	885.4	885.4	890.5	895.5	893.0	908.2	918.3	923.4
37.5°	974.0	976.5	971.4	966.4	963.8	968.9	974.0	981.5	996.7	1009.4	1011.9
40°	958.8	953.7	958.8	968.9	971.4	994.2	1017.0	1034.7	1060.0	1082.7	1085.3
42.5°	860.1	867.7	875.3	875.3	872.8	872.8	875.3	877.8	903.1	936.0	936.0
45°	705.8	710.9	721.0	715.9	693.1	683.0	688.1	695.7	723.5	804.5	807.0
47.5°	748.8	758.9	769.0	738.7	710.9	667.9	662.8	657.7	690.6	915.8	953.7
50°	882.9	882.9	895.5	870.2	860.1	834.8	819.6	824.7	895.5	1363.5	1447.0
52.5°	1148.5	1143.4	1173.8	1143.4	1133.3	1080.2	1022.0	1052.4	1125.7	1864.4	2036.4
55°	1393.9	1398.9	1429.3	1398.9	1371.1	1323.1	1244.6	1297.8	1396.4	2259.1	2504.4
57.5°	1659.5	1667.1	1702.5	1644.3	1588.7	1563.4	1490.0	1545.7	1654.5	2514.6	2843.4
60°	1935.3	1942.8	1960.6	1887.2	1836.6	1823.9	1740.5	1801.2	1932.7	2739.7	3109.1
62.5°	2198.3	2205.9	2195.8	2125.0	2094.6	2097.2	2016.2	2059.2	2200.9	3002.8	3316.5
65°	2365.3	2398.2	2390.6	2312.2	2302.1	2312.2	2226.2	2231.2	2378.0	3207.7	3521.4
67.5°	2446.3	2484.2	2466.5	2388.1	2393.1	2388.1	2279.3	2266.6	2418.4	3278.5	3579.6
70°	2365.3	2365.3	2352.7	2284.4	2281.8	2261.6	2180.6	2160.4	2279.3	3083.8	3357.0
72.5°	2168.0	2168.0	2157.9	2079.4	2064.3	2049.1	2001.0	1965.6	2069.3	2770.1	3043.3
75°	1882.1	1904.9	1892.2	1813.8	1796.1	1786.0	1753.1	1717.7	1811.3	2436.1	2666.3
77.5°	1505.2	1530.5	1515.3	1457.1	1442.0	1447.0	1424.2	1404.0	1472.3	1953.0	2165.5
80°	1009.4	1032.1	1004.3	976.5	953.7	976.5	966.4	956.2	994.2	1244.6	1457.1
82.5°	455.4	460.4	460.4	432.6	414.9	450.3	455.4	462.9	485.7	541.4	594.5
85°	278.3	280.8	275.7	268.2	258.0	265.6	263.1	268.2	278.3	296.0	306.1
87.5°	237.8	237.8	237.8	230.2	222.6	222.6	220.1	222.6	225.1	240.3	245.4
90°	210.0	210.0	210.0	204.9	199.8	199.8	202.4	199.8	204.9	220.1	227.7
92.5°	177.1	179.6	184.7	184.7	184.7	187.2	187.2	187.2	189.7	212.5	220.1
95°	131.5	129.0	139.1	146.7	149.3	154.3	154.3	154.3	159.4	179.6	187.2
97.5°	96.1	96.1	101.2	106.2	111.3	116.4	118.9	118.9	124.0	139.1	141.7
100°	68.3	68.3	73.4	78.4	81.0	88.5	91.1	91.1	91.1	101.2	101.2
102.5°	50.6	48.1	53.1	55.7	58.2	60.7	63.2	63.2	63.2	65.8	65.8
105°	30.4	30.4	32.9	35.4	37.9	37.9	40.5	40.5	37.9	37.9	37.9
107.5°	20.2	20.2	22.8	25.3	25.3	27.8	27.8	27.8	27.8	27.8	27.8
110°	15.2	15.2	17.7	20.2	20.2	22.8	22.8	22.8	22.8	20.2	20.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	12.6	12.6	15.2	15.2	17.7	17.7	17.7	17.7	17.7	17.7	17.7
115°	10.1	10.1	12.6	12.6	12.6	15.2	15.2	15.2	15.2	15.2	15.2
117.5°	7.6	7.6	10.1	10.1	12.6	12.6	12.6	12.6	12.6	12.6	12.6
120°	7.6	7.6	7.6	10.1	10.1	10.1	10.1	10.1	10.1	10.1	10.1
122.5°	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	10.1	10.1
125°	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6
127.5°	5.1	5.1	5.1	5.1	7.6	7.6	7.6	7.6	7.6	7.6	7.6
130°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	5.1	7.6	7.6
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)