

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: P691454

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691454
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-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: 6504 lumens
Efficiency: N/A
Efficacy: 152.0 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

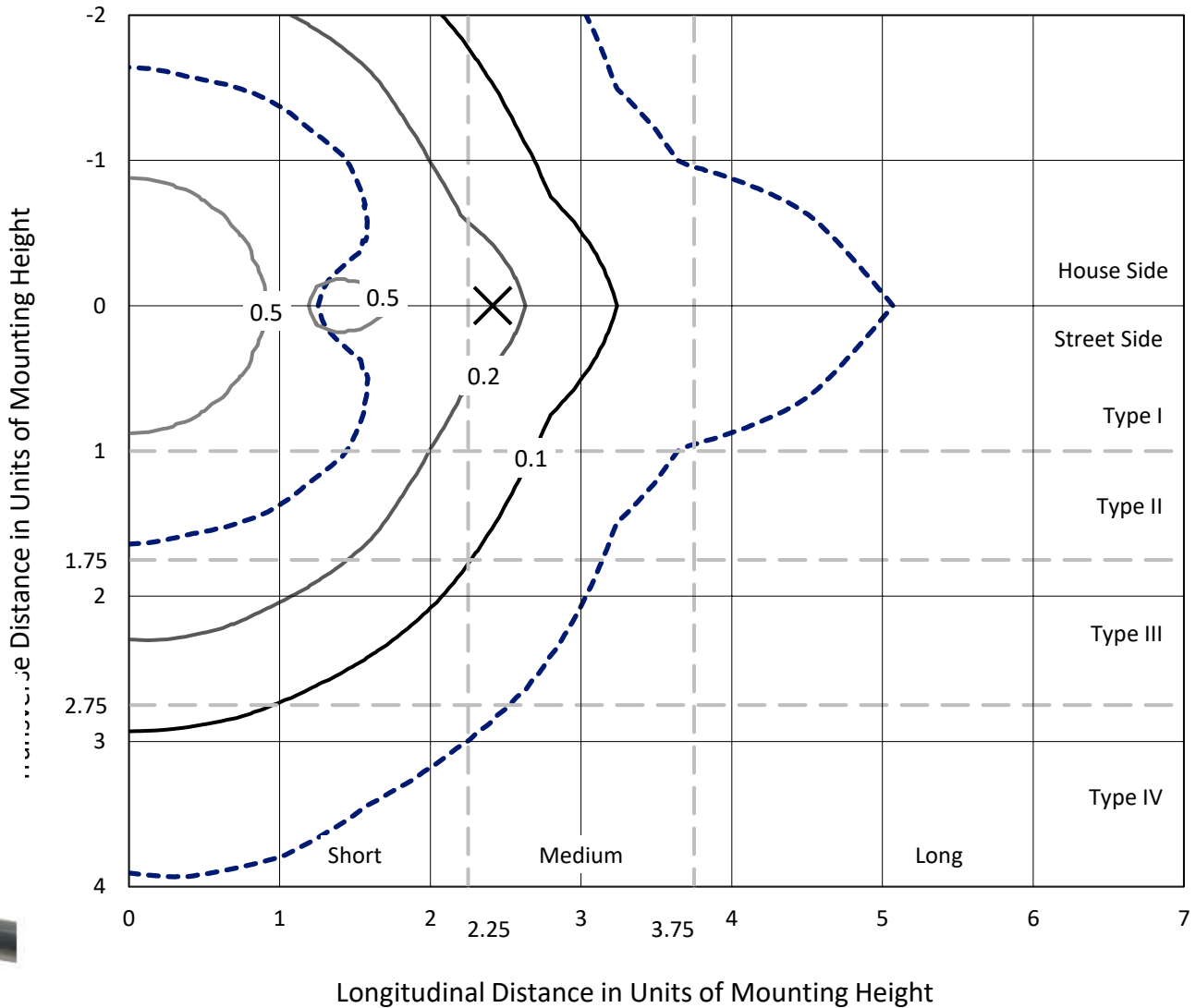


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

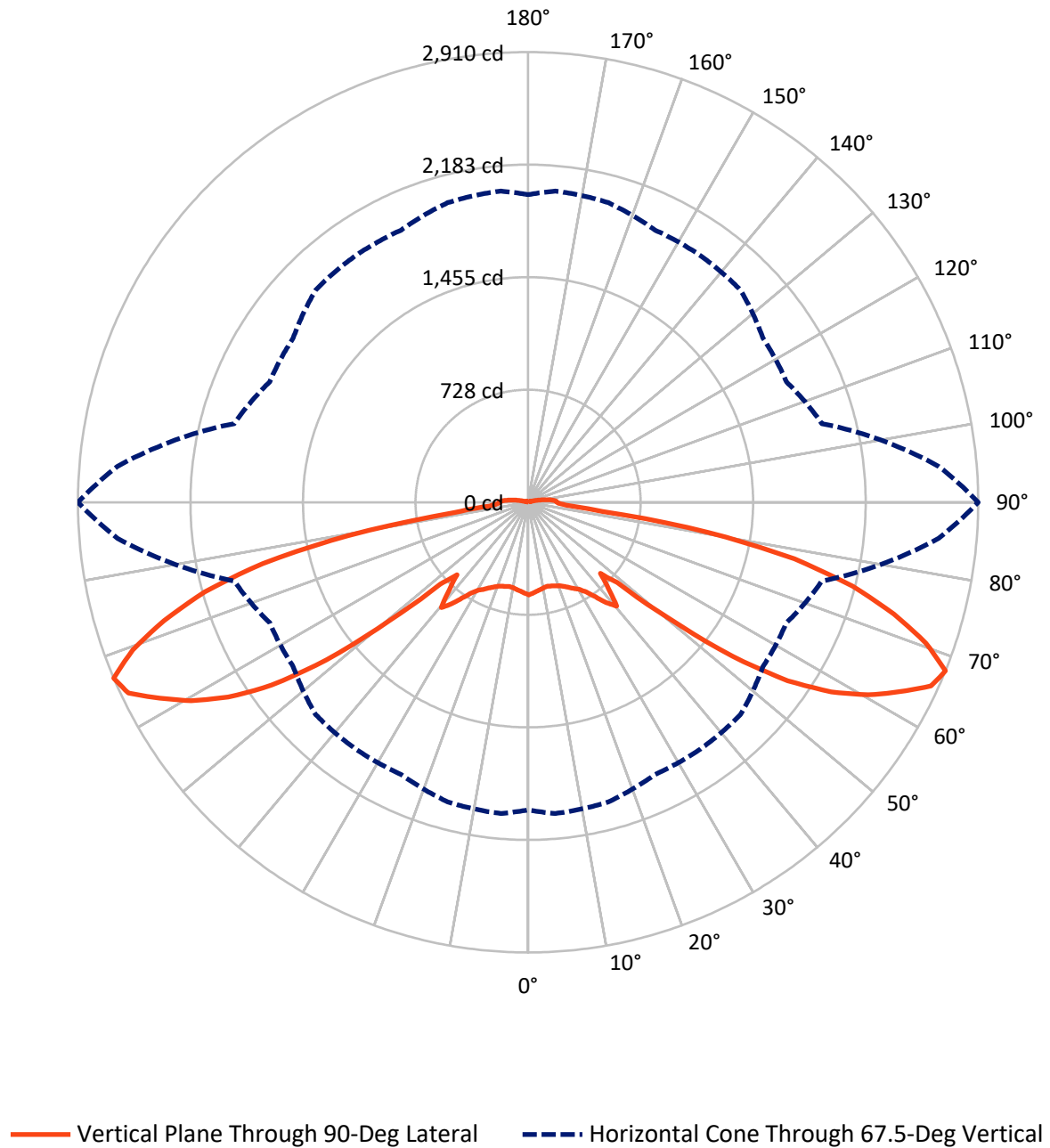


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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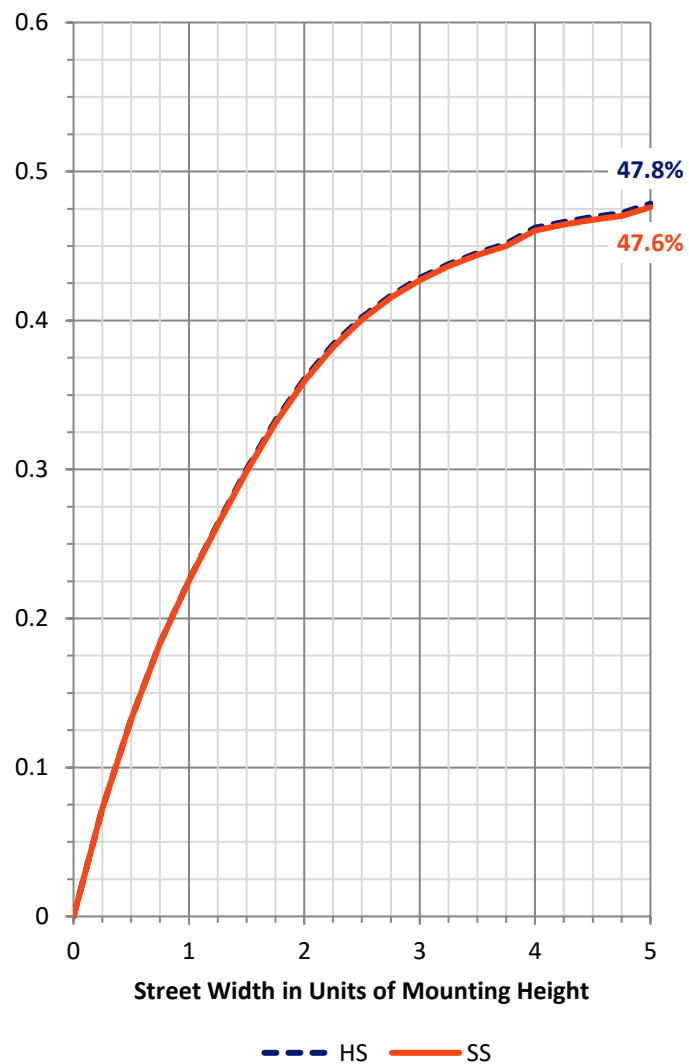
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3157.8	94.2	3252.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3157.8	94.2	3252.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	6315.6	188.4	6504.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.1	0.8
10°-20°	154.3	2.4
20°-30°	273.2	4.2
30°-40°	460.9	7.1
40°-50°	516.6	7.9
50°-60°	1069.5	16.4
60°-70°	1882.4	28.9
70°-80°	1555.6	23.9
80°-90°	349.0	5.4
90°-100°	133.4	2.1
100°-110°	37.7	0.6
110°-120°	11.5	0.2
120°-130°	5.3	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°	6315.6	97.1
0°-180°	6504.0	100.0

Coefficient of Utilization



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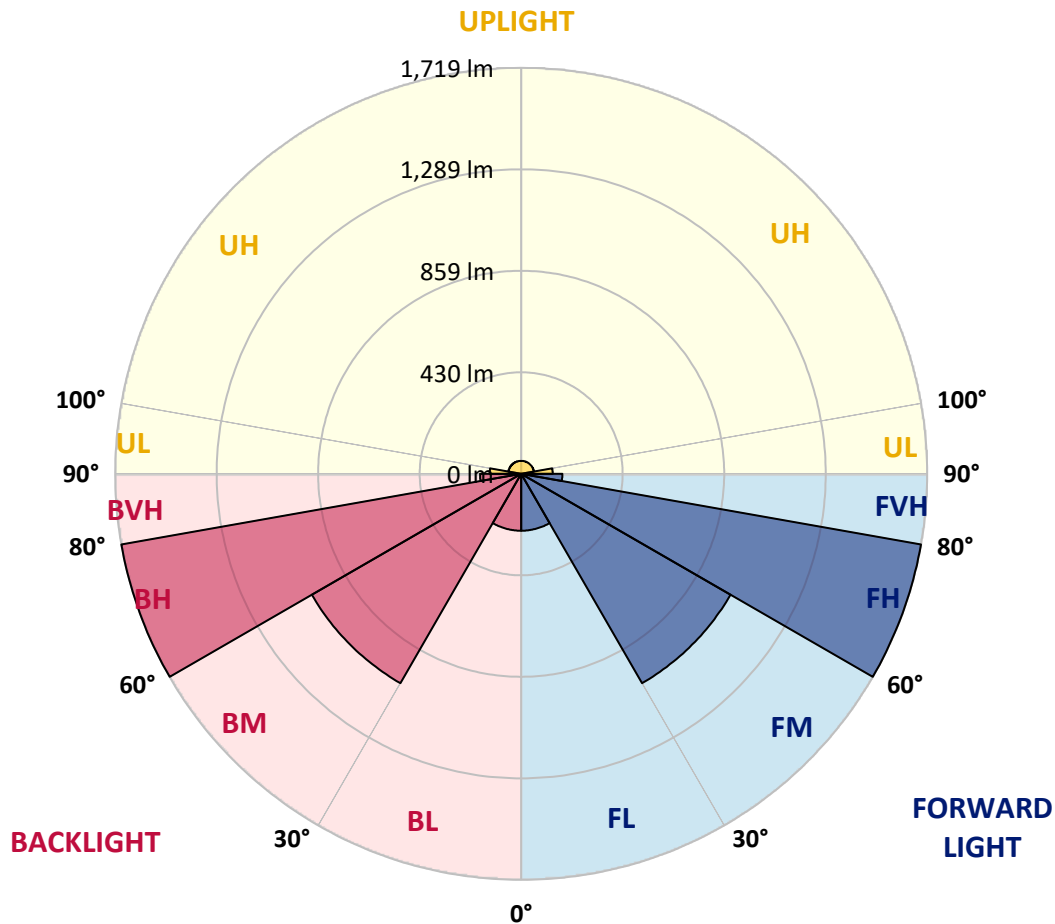
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.8	3.7			
FM	(30°-60°)	1023.5	15.7			
FH	(60°-80°)	1719.0	26.4			G1/1800
FVH	(80°-90°)	174.5	2.7			G2/225
BL	(0°-30°)	240.8	3.7	B1/500		
BM	(30°-60°)	1023.5	15.7	B2/2500		
BH	(60°-80°)	1719.0	26.4	B3/2500		G1/1800
BVH	(80°-90°)	174.5	2.7			G2/225
UL	(90°-100°)	133.4	2.1		U3/500	
UH	(100°-180°)	55.0	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°	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.5	598.5
2.5°	592.3	592.3	588.2	586.2	588.2	590.3	592.3	592.3	590.3	588.2	588.2
5°	582.0	580.0	577.9	575.9	575.9	580.0	580.0	582.0	580.0	577.9	577.9
7.5°	555.3	555.3	553.2	551.2	555.3	559.4	565.6	567.6	569.7	569.7	569.7
10°	536.8	536.8	534.7	534.7	538.9	545.0	551.2	557.4	559.4	561.5	561.5
12.5°	526.5	526.5	526.5	524.5	530.6	536.8	547.1	551.2	555.3	557.4	557.4
15°	526.5	524.5	524.5	526.5	530.6	538.9	547.1	555.3	559.4	561.5	561.5
17.5°	530.6	528.6	528.6	528.6	534.7	543.0	553.2	559.4	565.6	567.6	567.6
20°	536.8	536.8	536.8	536.8	540.9	551.2	561.5	567.6	573.8	575.9	575.9
22.5°	553.2	553.2	551.2	549.1	553.2	561.5	573.8	580.0	586.2	590.3	590.3
25°	573.8	571.8	571.8	569.7	569.7	577.9	588.2	596.4	604.7	608.8	608.8
27.5°	598.5	596.4	596.4	592.3	592.3	602.6	610.8	619.1	627.3	631.4	631.4
30°	625.2	627.3	623.2	621.1	619.1	627.3	635.5	641.7	647.9	652.0	652.0
32.5°	668.4	668.4	664.3	662.3	660.2	666.4	670.5	674.6	680.8	689.0	691.0
35°	721.9	719.8	719.8	719.8	719.8	724.0	728.1	726.0	738.3	746.6	750.7
37.5°	791.8	793.9	789.8	785.7	783.6	787.7	791.8	798.0	810.3	820.6	822.7
40°	779.5	775.4	779.5	787.7	789.8	808.3	826.8	841.2	861.7	880.3	882.3
42.5°	699.3	705.4	711.6	711.6	709.6	709.6	711.6	713.7	734.2	761.0	761.0
45°	573.8	577.9	586.2	582.0	563.5	555.3	559.4	565.6	588.2	654.0	656.1
47.5°	608.8	617.0	625.2	600.6	577.9	543.0	538.9	534.7	561.5	744.5	775.4
50°	717.8	717.8	728.1	707.5	699.3	678.7	666.4	670.5	728.1	1108.6	1176.4
52.5°	933.7	929.6	954.3	929.6	921.4	878.2	830.9	855.6	915.2	1515.8	1655.6
55°	1133.2	1137.3	1162.0	1137.3	1114.7	1075.6	1011.9	1055.1	1135.3	1836.6	2036.1
57.5°	1349.2	1355.4	1384.1	1336.8	1291.6	1271.0	1211.4	1256.6	1345.1	2044.3	2311.7
60°	1573.4	1579.5	1593.9	1534.3	1493.2	1482.9	1415.0	1464.4	1571.3	2227.4	2527.7
62.5°	1787.3	1793.4	1785.2	1727.6	1702.9	1705.0	1639.2	1674.1	1789.3	2441.3	2696.3
65°	1923.0	1949.7	1943.6	1879.8	1871.6	1879.8	1809.9	1814.0	1933.3	2607.9	2862.9
67.5°	1988.8	2019.7	2005.3	1941.5	1945.6	1941.5	1853.1	1842.8	1966.2	2665.5	2910.2
70°	1923.0	1923.0	1912.7	1857.2	1855.1	1838.7	1772.9	1756.4	1853.1	2507.1	2729.2
72.5°	1762.6	1762.6	1754.3	1690.6	1678.3	1665.9	1626.8	1598.0	1682.4	2252.1	2474.2
75°	1530.2	1548.7	1538.4	1474.6	1460.2	1452.0	1425.3	1396.5	1472.6	1980.6	2167.7
77.5°	1223.7	1244.3	1232.0	1184.6	1172.3	1176.4	1157.9	1141.5	1197.0	1587.8	1760.5
80°	820.6	839.1	816.5	793.9	775.4	793.9	785.7	777.4	808.3	1011.9	1184.6
82.5°	370.2	374.3	374.3	351.7	337.3	366.1	370.2	376.4	394.9	440.1	483.3
85°	226.2	228.3	224.2	218.0	209.8	216.0	213.9	218.0	226.2	240.6	248.9
87.5°	193.3	193.3	193.3	187.2	181.0	181.0	178.9	181.0	183.0	195.4	199.5
90°	170.7	170.7	170.7	166.6	162.5	162.5	164.5	162.5	166.6	178.9	185.1
92.5°	144.0	146.0	150.1	150.1	150.1	152.2	152.2	152.2	154.3	172.8	178.9
95°	106.9	104.9	113.1	119.3	121.3	125.5	125.5	125.5	129.6	146.0	152.2
97.5°	78.2	78.2	82.3	86.4	90.5	94.6	96.7	96.7	100.8	113.1	115.2
100°	55.5	55.5	59.6	63.8	65.8	72.0	74.0	74.0	74.0	82.3	82.3
102.5°	41.1	39.1	43.2	45.2	47.3	49.4	51.4	51.4	51.4	53.5	53.5
105°	24.7	24.7	26.7	28.8	30.9	30.9	32.9	32.9	30.9	30.9	30.9
107.5°	16.5	16.5	18.5	20.6	20.6	22.6	22.6	22.6	22.6	22.6	22.6
110°	12.3	12.3	14.4	16.5	16.5	18.5	18.5	18.5	18.5	16.5	16.5

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.3	10.3	12.3	12.3	14.4	14.4	14.4	14.4	14.4	14.4	14.4
115°	8.2	8.2	10.3	10.3	10.3	12.3	12.3	12.3	12.3	12.3	12.3
117.5°	6.2	6.2	8.2	8.2	10.3	10.3	10.3	10.3	10.3	10.3	10.3
120°	6.2	6.2	6.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2	8.2
122.5°	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.2	8.2
125°	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
127.5°	4.1	4.1	4.1	4.1	6.2	6.2	6.2	6.2	6.2	6.2	6.2
130°	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	4.1	6.2	6.2
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)