

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: P691560

Luminaire Tested: **CRTK2-C016-D-U-T5R-8027-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691560
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-D-U-T5R-8027-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 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: 5437 lumens
Efficiency: N/A
Efficacy: 130.7 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): 41.6
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

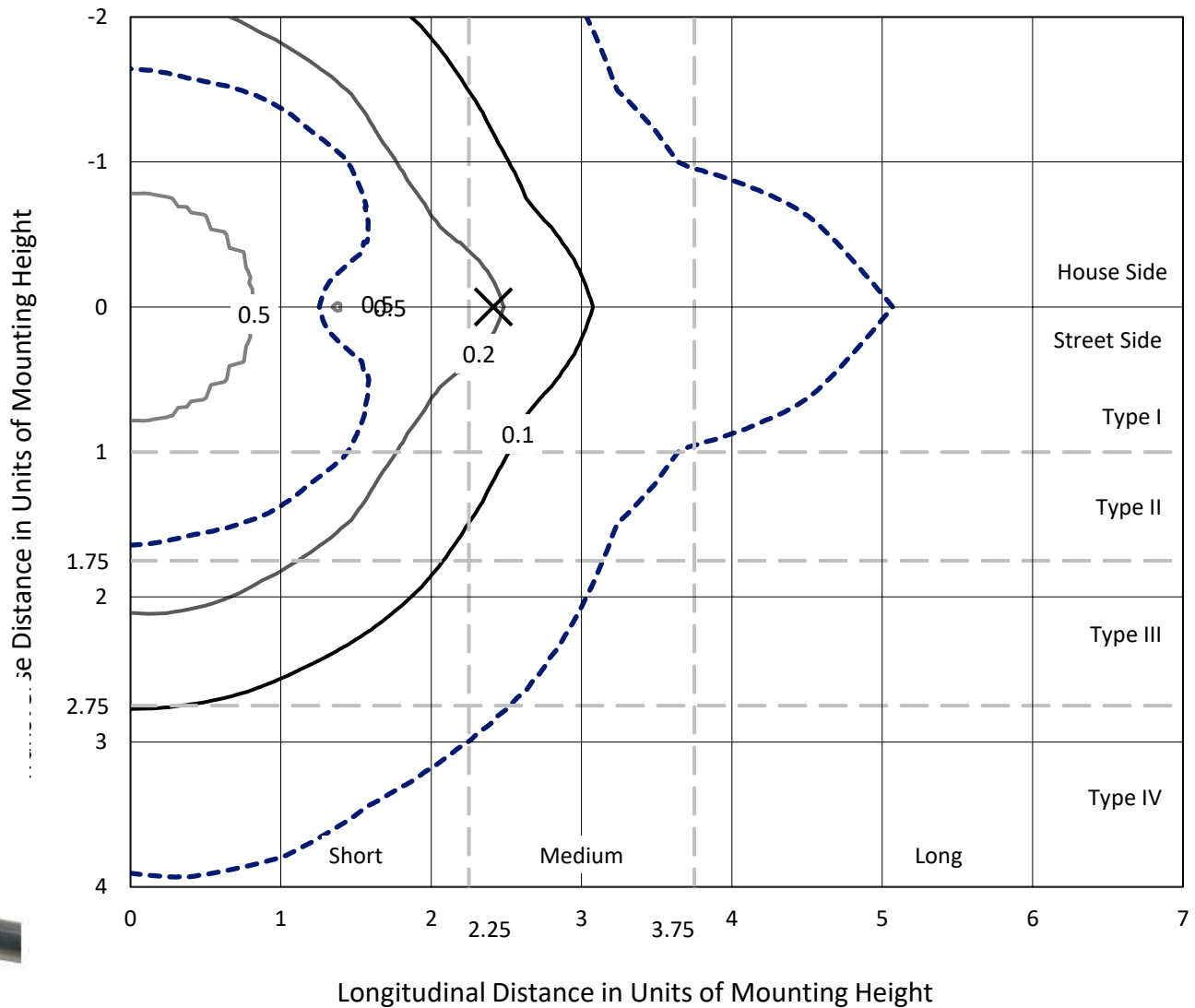


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

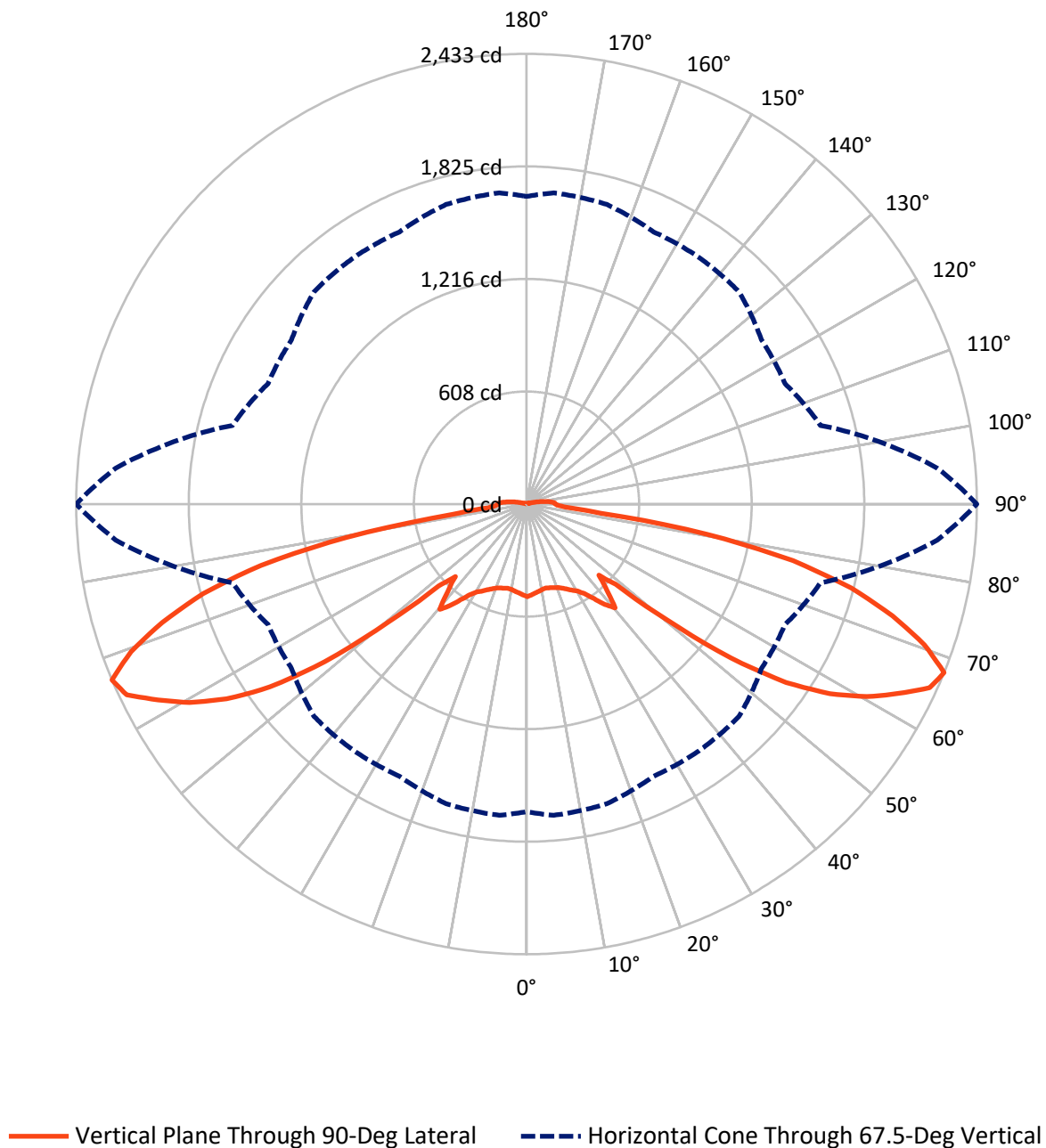


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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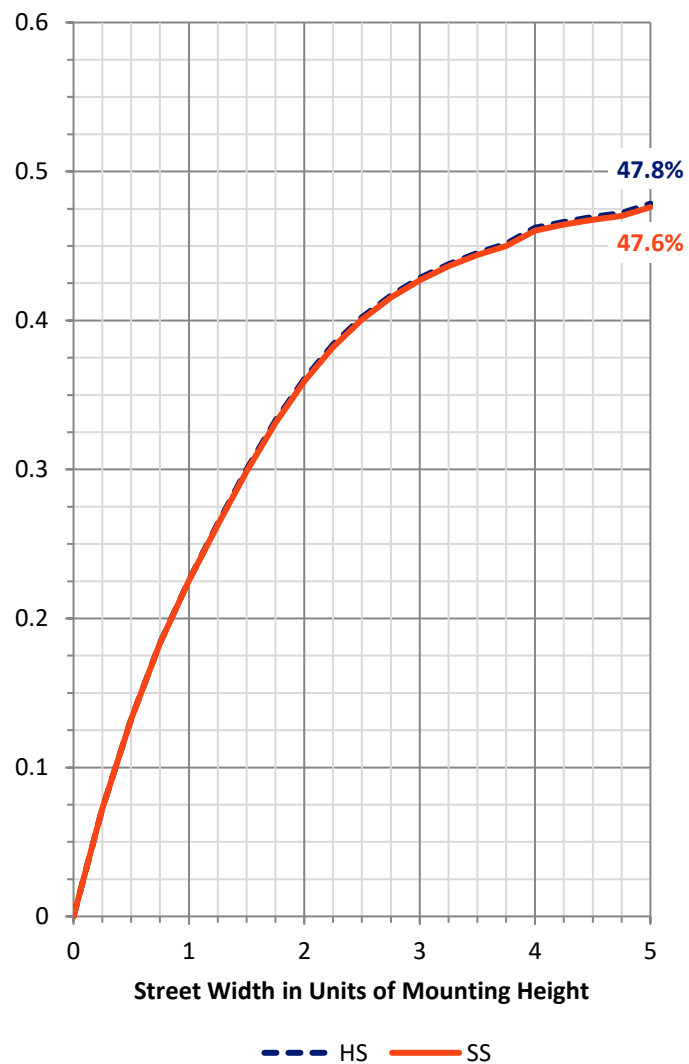
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2639.8	78.8	2718.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	2639.8	78.8	2718.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	5279.5	157.5	5437.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.2	0.8
10°-20°	129.0	2.4
20°-30°	228.4	4.2
30°-40°	385.3	7.1
40°-50°	431.8	7.9
50°-60°	894.0	16.4
60°-70°	1573.6	28.9
70°-80°	1300.4	23.9
80°-90°	291.7	5.4
90°-100°	111.5	2.1
100°-110°	31.5	0.6
110°-120°	9.6	0.2
120°-130°	4.4	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°	5279.5	97.1
0°-180°	5437.0	100.0

Coefficient of Utilization



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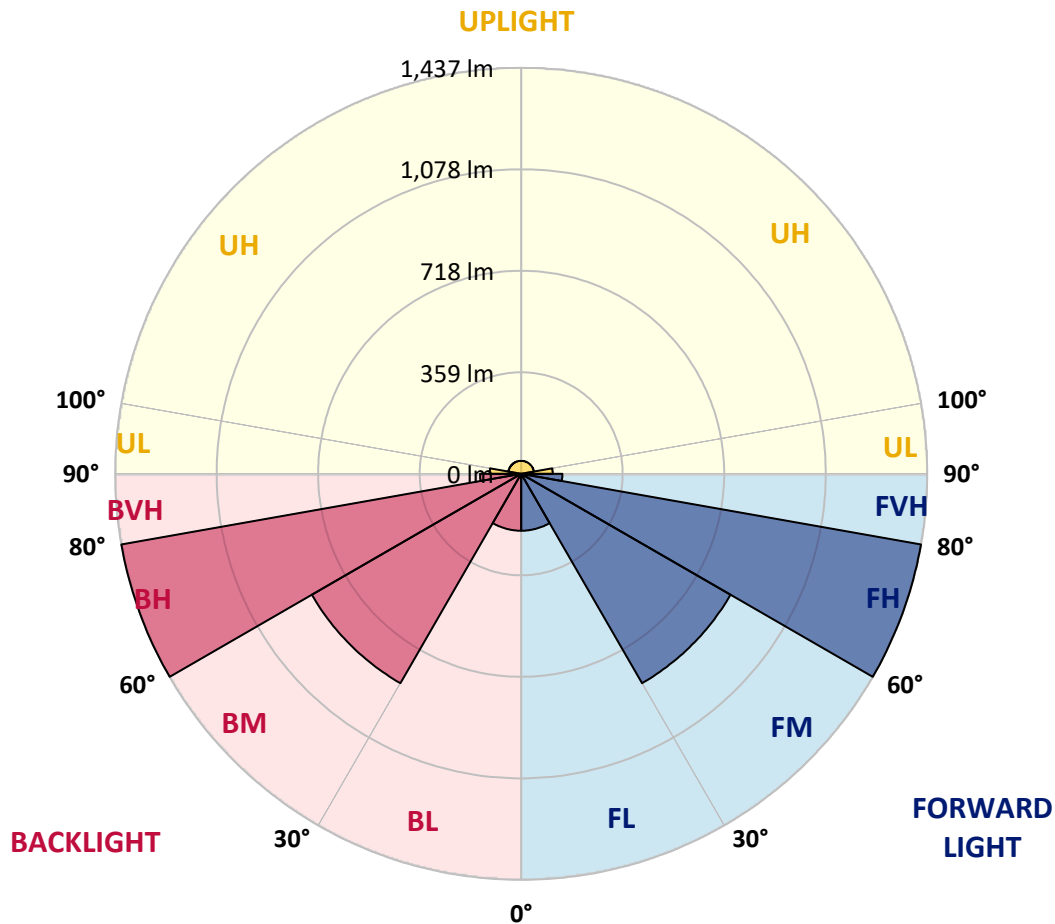
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	201.3	3.7			
FM	(30°-60°)	855.6	15.7			
FH	(60°-80°)	1437.0	26.4			G1/1800
FVH	(80°-90°)	145.9	2.7			G2/225
BL	(0°-30°)	201.3	3.7	B1/500		
BM	(30°-60°)	855.6	15.7	B1/1000		
BH	(60°-80°)	1437.0	26.4	B3/2500		G1/1800
BVH	(80°-90°)	145.9	2.7			G2/225
UL	(90°-100°)	111.5	2.1		U3/500	
UH	(100°-180°)	46.0	0.8		U2/50	

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°	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3	500.3
2.5°	495.2	495.2	491.7	490.0	491.7	493.4	495.2	495.2	493.4	491.7	491.7
5°	486.6	484.8	483.1	481.4	481.4	484.8	484.8	486.6	484.8	483.1	483.1
7.5°	464.2	464.2	462.5	460.8	464.2	467.6	472.8	474.5	476.2	476.2	476.2
10°	448.7	448.7	447.0	447.0	450.5	455.6	460.8	465.9	467.6	469.4	469.4
12.5°	440.1	440.1	440.1	438.4	443.6	448.7	457.3	460.8	464.2	465.9	465.9
15°	440.1	438.4	438.4	440.1	443.6	450.5	457.3	464.2	467.6	469.4	469.4
17.5°	443.6	441.9	441.9	441.9	447.0	453.9	462.5	467.6	472.8	474.5	474.5
20°	448.7	448.7	448.7	448.7	452.2	460.8	469.4	474.5	479.7	481.4	481.4
22.5°	462.5	462.5	460.8	459.0	462.5	469.4	479.7	484.8	490.0	493.4	493.4
25°	479.7	478.0	478.0	476.2	476.2	483.1	491.7	498.6	505.5	508.9	508.9
27.5°	500.3	498.6	498.6	495.2	495.2	503.7	510.6	517.5	524.4	527.8	527.8
30°	522.7	524.4	520.9	519.2	517.5	524.4	531.3	536.4	541.6	545.0	545.0
32.5°	558.8	558.8	555.3	553.6	551.9	557.0	560.5	563.9	569.1	576.0	577.7
35°	603.5	601.7	601.7	601.7	601.7	605.2	608.6	606.9	617.2	624.1	627.5
37.5°	661.9	663.6	660.2	656.8	655.0	658.5	661.9	667.1	677.4	686.0	687.7
40°	651.6	648.2	651.6	658.5	660.2	675.7	691.1	703.2	720.4	735.9	737.6
42.5°	584.6	589.7	594.9	594.9	593.2	593.2	594.9	596.6	613.8	636.1	636.1
45°	479.7	483.1	490.0	486.6	471.1	464.2	467.6	472.8	491.7	546.7	548.4
47.5°	508.9	515.8	522.7	502.0	483.1	453.9	450.5	447.0	469.4	622.4	648.2
50°	600.0	600.0	608.6	591.4	584.6	567.4	557.0	560.5	608.6	926.7	983.4
52.5°	780.6	777.1	797.7	777.1	770.2	734.1	694.6	715.2	765.1	1267.1	1384.0
55°	947.3	950.8	971.4	950.8	931.8	899.2	845.9	882.0	949.0	1535.3	1702.1
57.5°	1127.8	1133.0	1157.1	1117.5	1079.7	1062.5	1012.7	1050.5	1124.4	1709.0	1932.5
60°	1315.2	1320.4	1332.4	1282.6	1248.2	1239.6	1182.9	1224.1	1313.5	1862.0	2113.0
62.5°	1494.1	1499.2	1492.3	1444.2	1423.6	1425.3	1370.3	1399.5	1495.8	2040.8	2254.0
65°	1607.5	1629.9	1624.7	1571.4	1564.5	1571.4	1513.0	1516.4	1616.1	2180.0	2393.2
67.5°	1662.5	1688.3	1676.3	1623.0	1626.4	1623.0	1549.1	1540.5	1643.6	2228.2	2432.8
70°	1607.5	1607.5	1598.9	1552.5	1550.8	1537.0	1482.0	1468.3	1549.1	2095.8	2281.5
72.5°	1473.4	1473.4	1466.5	1413.2	1402.9	1392.6	1359.9	1335.9	1406.4	1882.6	2068.3
75°	1279.1	1294.6	1286.0	1232.7	1220.7	1213.8	1191.5	1167.4	1231.0	1655.7	1812.1
77.5°	1023.0	1040.2	1029.8	990.3	980.0	983.4	968.0	954.2	1000.6	1327.3	1471.7
80°	686.0	701.5	682.6	663.6	648.2	663.6	656.8	649.9	675.7	845.9	990.3
82.5°	309.5	312.9	312.9	294.0	282.0	306.0	309.5	314.6	330.1	367.9	404.0
85°	189.1	190.8	187.4	182.2	175.4	180.5	178.8	182.2	189.1	201.2	208.0
87.5°	161.6	161.6	161.6	156.5	151.3	151.3	149.6	151.3	153.0	163.3	166.8
90°	142.7	142.7	142.7	139.3	135.8	135.8	137.5	135.8	139.3	149.6	154.7
92.5°	120.3	122.1	125.5	125.5	125.5	127.2	127.2	127.2	128.9	144.4	149.6
95°	89.4	87.7	94.6	99.7	101.4	104.9	104.9	104.9	108.3	122.1	127.2
97.5°	65.3	65.3	68.8	72.2	75.6	79.1	80.8	80.8	84.2	94.6	96.3
100°	46.4	46.4	49.9	53.3	55.0	60.2	61.9	61.9	61.9	68.8	68.8
102.5°	34.4	32.7	36.1	37.8	39.5	41.3	43.0	43.0	43.0	44.7	44.7
105°	20.6	20.6	22.4	24.1	25.8	25.8	27.5	27.5	25.8	25.8	25.8
107.5°	13.8	13.8	15.5	17.2	17.2	18.9	18.9	18.9	18.9	18.9	18.9
110°	10.3	10.3	12.0	13.8	13.8	15.5	15.5	15.5	15.5	13.8	13.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.6	8.6	10.3	10.3	12.0	12.0	12.0	12.0	12.0	12.0	12.0
115°	6.9	6.9	8.6	8.6	8.6	10.3	10.3	10.3	10.3	10.3	10.3
117.5°	5.2	5.2	6.9	6.9	8.6	8.6	8.6	8.6	8.6	8.6	8.6
120°	5.2	5.2	5.2	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
122.5°	3.4	3.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9
125°	3.4	3.4	3.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
127.5°	3.4	3.4	3.4	3.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2
130°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	3.4	5.2	5.2
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)