

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: P691461

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691461
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-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6580 lumens
Efficiency: N/A
Efficacy: 153.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

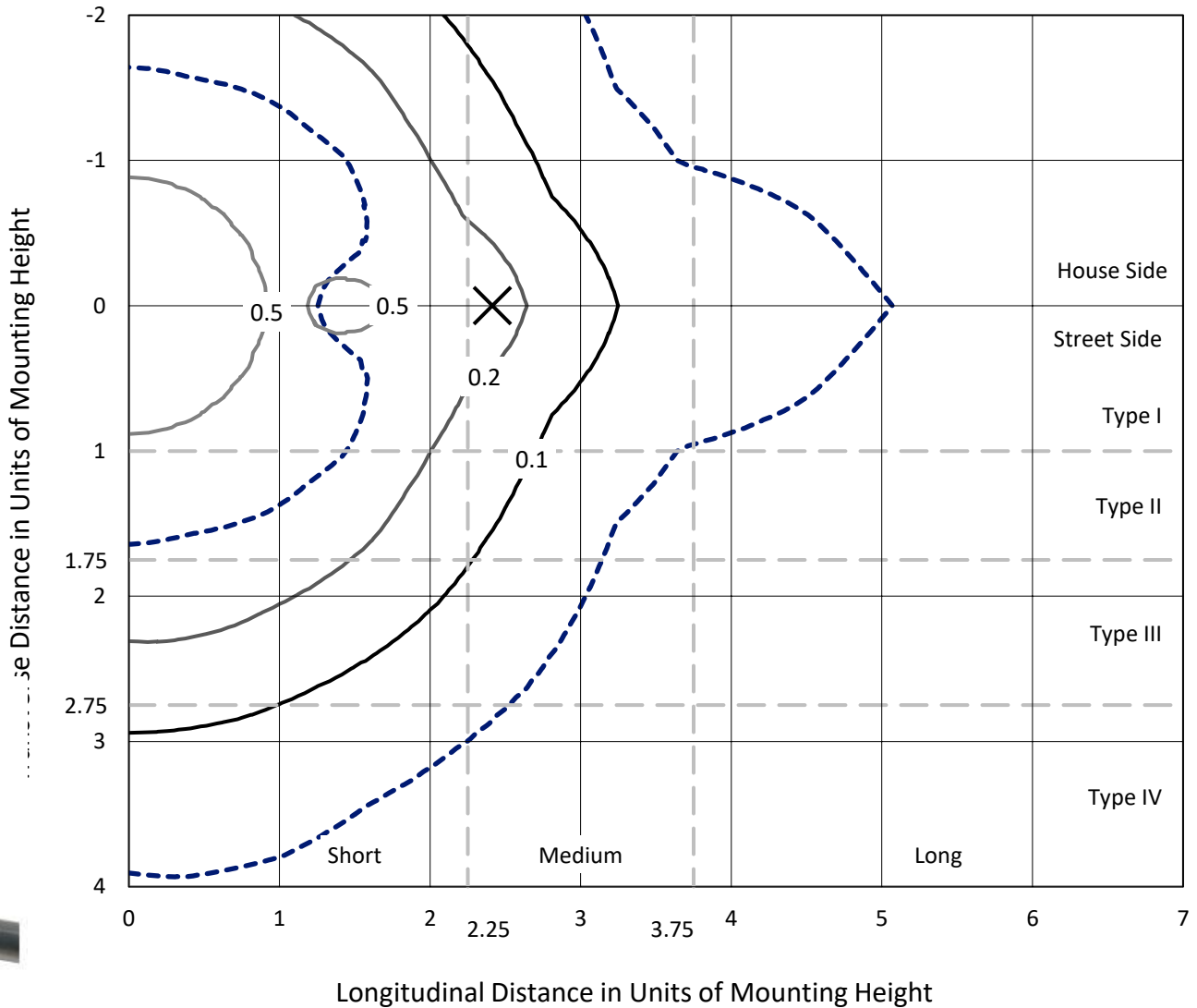
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

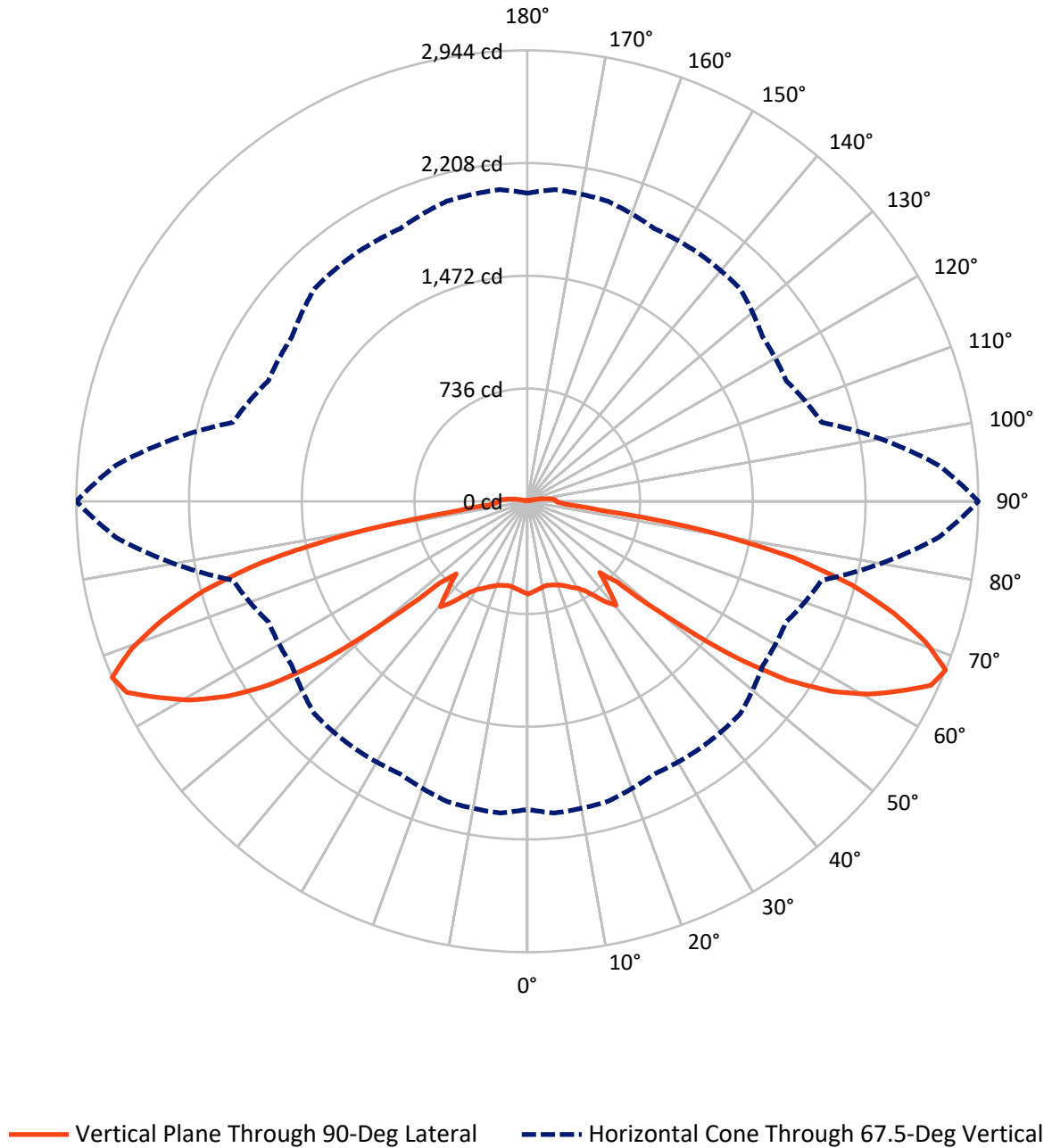
× Max cd
 - - - 1/2 Max cd



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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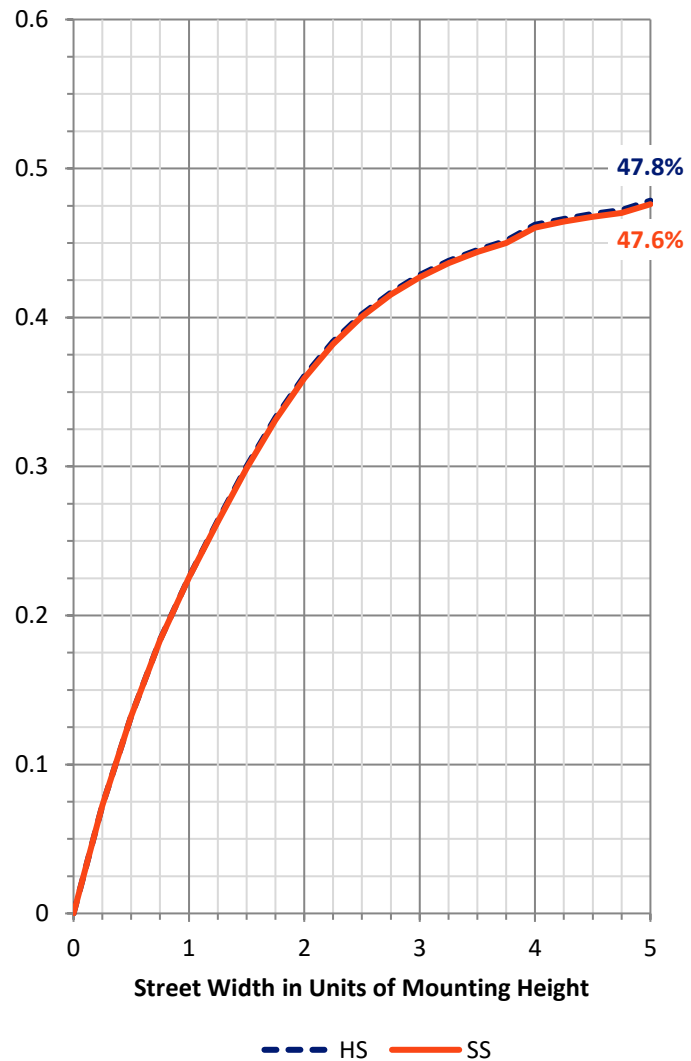
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3194.7	95.3	3290.0
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3194.7	95.3	3290.0
	% Fixture	48.6	1.4	50.0
Total	Lumens	6389.4	190.6	6580.0
	% Fixture	97.1	2.9	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.8	0.8
10°-20°	156.1	2.4
20°-30°	276.4	4.2
30°-40°	466.3	7.1
40°-50°	522.6	7.9
50°-60°	1082.0	16.4
60°-70°	1904.4	28.9
70°-80°	1573.8	23.9
80°-90°	353.1	5.4
90°-100°	135.0	2.1
100°-110°	38.2	0.6
110°-120°	11.7	0.2
120°-130°	5.3	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°	6389.4	97.1
0°-180°	6580.0	100.0



REPORT NUMBER: P691461

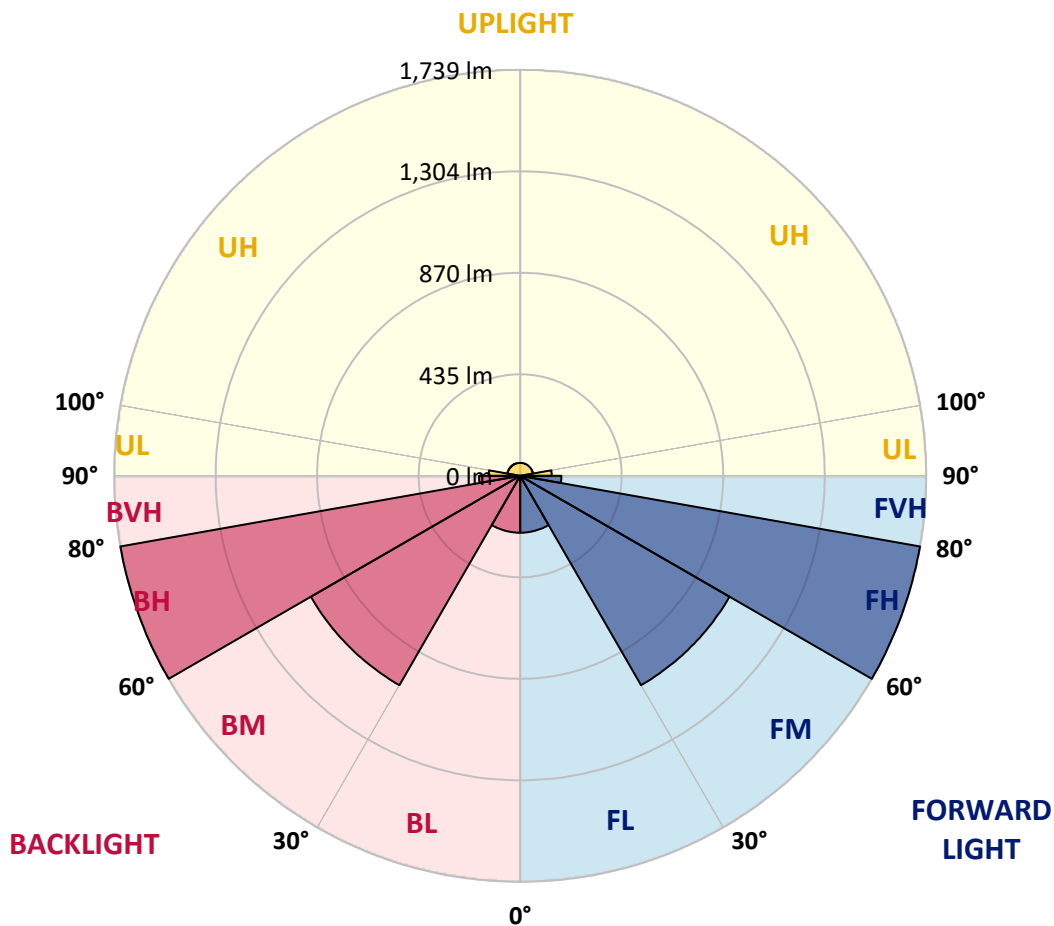
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	243.7	3.7			
FM (30°-60°)	1035.4	15.7			
FH (60°-80°)	1739.1	26.4			G1/1800
FVH (80°-90°)	176.5	2.7			G2/225
BL (0°-30°)	243.7	3.7	B1/500		
BM (30°-60°)	1035.4	15.7	B2/2500		
BH (60°-80°)	1739.1	26.4	B3/2500		G1/1800
BVH (80°-90°)	176.5	2.7			G2/225
UL (90°-100°)	135.0	2.1		U3/500	
UH (100°-180°)	55.6	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°	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5	605.5
2.5°	599.2	599.2	595.1	593.0	595.1	597.2	599.2	599.2	597.2	595.1	595.1
5°	588.8	586.8	584.7	582.6	582.6	586.8	586.8	588.8	586.8	584.7	584.7
7.5°	561.8	561.8	559.7	557.6	561.8	566.0	572.2	574.3	576.4	576.4	576.4
10°	543.1	543.1	541.0	541.0	545.1	551.4	557.6	563.9	566.0	568.0	568.0
12.5°	532.7	532.7	532.7	530.6	536.8	543.1	553.5	557.6	561.8	563.9	563.9
15°	532.7	530.6	530.6	532.7	536.8	545.1	553.5	561.8	566.0	568.0	568.0
17.5°	536.8	534.7	534.7	534.7	541.0	549.3	559.7	566.0	572.2	574.3	574.3
20°	543.1	543.1	543.1	543.1	547.2	557.6	568.0	574.3	580.5	582.6	582.6
22.5°	559.7	559.7	557.6	555.6	559.7	568.0	580.5	586.8	593.0	597.2	597.2
25°	580.5	578.4	578.4	576.4	576.4	584.7	595.1	603.4	611.7	615.9	615.9
27.5°	605.5	603.4	603.4	599.2	599.2	609.6	618.0	626.3	634.6	638.8	638.8
30°	632.5	634.6	630.5	628.4	626.3	634.6	642.9	649.2	655.4	659.6	659.6
32.5°	676.2	676.2	672.1	670.0	667.9	674.2	678.3	682.5	688.7	697.0	699.1
35°	730.3	728.2	728.2	728.2	728.2	732.4	736.6	734.5	747.0	755.3	759.5
37.5°	801.1	803.2	799.0	794.8	792.8	796.9	801.1	807.3	819.8	830.2	832.3
40°	788.6	784.4	788.6	796.9	799.0	817.7	836.4	851.0	871.8	890.5	892.6
42.5°	707.4	713.7	719.9	719.9	717.8	717.8	719.9	722.0	742.8	769.9	769.9
45°	580.5	584.7	593.0	588.8	570.1	561.8	566.0	572.2	595.1	661.7	663.7
47.5°	615.9	624.2	632.5	607.6	584.7	549.3	545.1	541.0	568.0	753.2	784.4
50°	726.2	726.2	736.6	715.8	707.4	686.6	674.2	678.3	736.6	1121.5	1190.2
52.5°	944.6	940.5	965.5	940.5	932.2	888.5	840.6	865.6	925.9	1533.5	1675.0
55°	1146.5	1150.6	1175.6	1150.6	1127.7	1088.2	1023.7	1067.4	1148.6	1858.1	2059.9
57.5°	1364.9	1371.2	1400.3	1352.5	1306.7	1285.9	1225.5	1271.3	1360.8	2068.2	2338.7
60°	1591.7	1598.0	1612.6	1552.2	1510.6	1500.2	1431.5	1481.5	1589.7	2253.4	2557.2
62.5°	1808.1	1814.4	1806.1	1747.8	1722.8	1724.9	1658.3	1693.7	1810.2	2469.8	2727.8
65°	1945.5	1972.5	1966.3	1901.8	1893.4	1901.8	1831.0	1835.2	1955.9	2638.3	2896.4
67.5°	2012.0	2043.3	2028.7	1964.2	1968.4	1964.2	1874.7	1864.3	1989.2	2696.6	2944.2
70°	1945.5	1945.5	1935.1	1878.9	1876.8	1860.2	1793.6	1776.9	1874.7	2536.4	2761.1
72.5°	1783.2	1783.2	1774.8	1710.3	1697.9	1685.4	1645.8	1616.7	1702.0	2278.4	2503.1
75°	1548.1	1566.8	1556.4	1491.9	1477.3	1469.0	1441.9	1412.8	1489.8	2003.7	2193.1
77.5°	1238.0	1258.8	1246.3	1198.5	1186.0	1190.2	1171.4	1154.8	1211.0	1606.3	1781.1
80°	830.2	848.9	826.0	803.2	784.4	803.2	794.8	786.5	817.7	1023.7	1198.5
82.5°	374.5	378.7	378.7	355.8	341.2	370.4	374.5	380.8	399.5	445.3	489.0
85°	228.9	231.0	226.8	220.6	212.2	218.5	216.4	220.6	228.9	243.4	251.8
87.5°	195.6	195.6	195.6	189.3	183.1	183.1	181.0	183.1	185.2	197.7	201.8
90°	172.7	172.7	172.7	168.5	164.4	164.4	166.5	164.4	168.5	181.0	187.3
92.5°	145.6	147.7	151.9	151.9	151.9	154.0	154.0	154.0	156.1	174.8	181.0
95°	108.2	106.1	114.4	120.7	122.8	126.9	126.9	126.9	131.1	147.7	154.0
97.5°	79.1	79.1	83.2	87.4	91.6	95.7	97.8	97.8	102.0	114.4	116.5
100°	56.2	56.2	60.3	64.5	66.6	72.8	74.9	74.9	74.9	83.2	83.2
102.5°	41.6	39.5	43.7	45.8	47.9	49.9	52.0	52.0	52.0	54.1	54.1
105°	25.0	25.0	27.0	29.1	31.2	31.2	33.3	33.3	31.2	31.2	31.2
107.5°	16.6	16.6	18.7	20.8	20.8	22.9	22.9	22.9	22.9	22.9	22.9
110°	12.5	12.5	14.6	16.6	16.6	18.7	18.7	18.7	18.7	16.6	16.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	12.5	12.5	14.6	14.6	14.6	14.6	14.6	14.6	14.6
115°	8.3	8.3	10.4	10.4	10.4	12.5	12.5	12.5	12.5	12.5	12.5
117.5°	6.2	6.2	8.3	8.3	10.4	10.4	10.4	10.4	10.4	10.4	10.4
120°	6.2	6.2	6.2	8.3	8.3	8.3	8.3	8.3	8.3	8.3	8.3
122.5°	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	8.3	8.3
125°	4.2	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
127.5°	4.2	4.2	4.2	4.2	6.2	6.2	6.2	6.2	6.2	6.2	6.2
130°	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	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)