

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: P588513

Luminaire Tested: **ARC-CA6-70-760-U-55-6-5-X**

Issue Date: 11/30/2021

Test Information

Test Method: LM-79-08
Report Number: P588513
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2107-308-16)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 11/30/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARC-CA6-70-760-U-55-6-5-X
Description: GENERATIONS SERIES AVENUE WITH AVENUE CAGE AND TYPE V REFRACTOR
Light Source: (6) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7052 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 1.33' x H: 1.25')
IES Classification: Type V - Short - Semi-Cutoff
BUG Rating: B3 - U3 - G3

Input Watts (W): 73.9
Input Voltage (V): 120
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: 25 FT



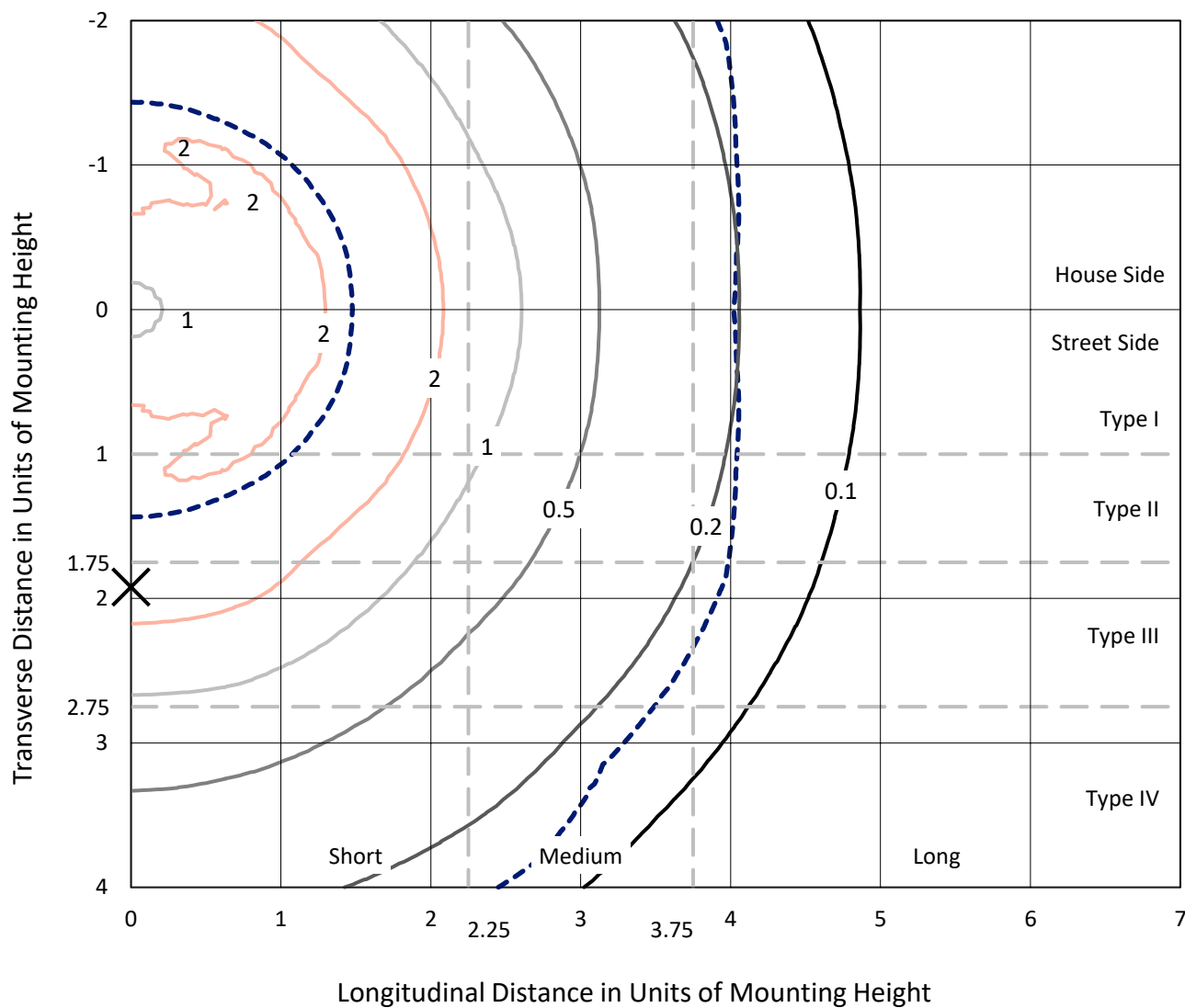
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

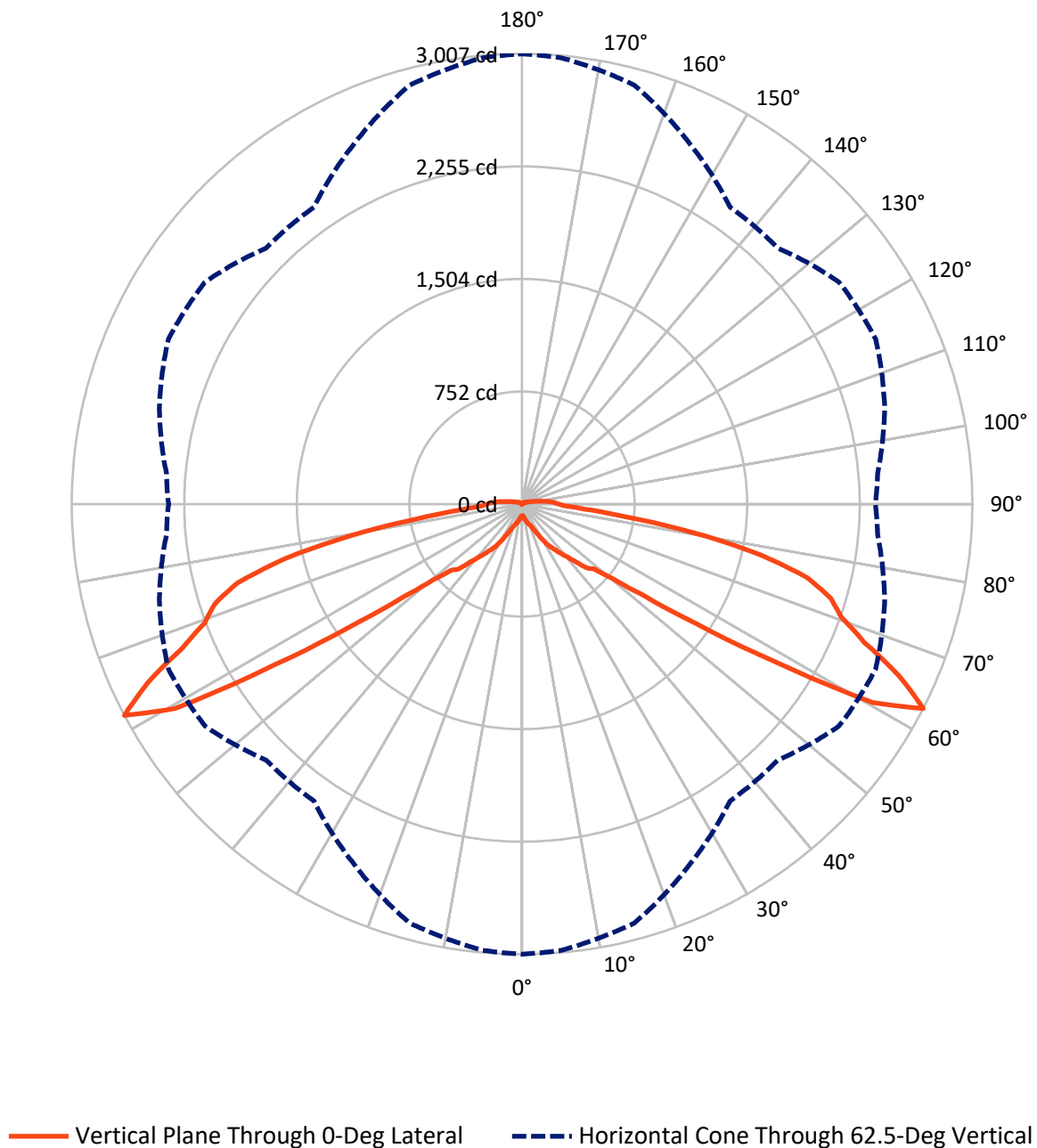


Based on 10 foot mounting height. Maximum calculated value = 3.3 fc
Type V - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



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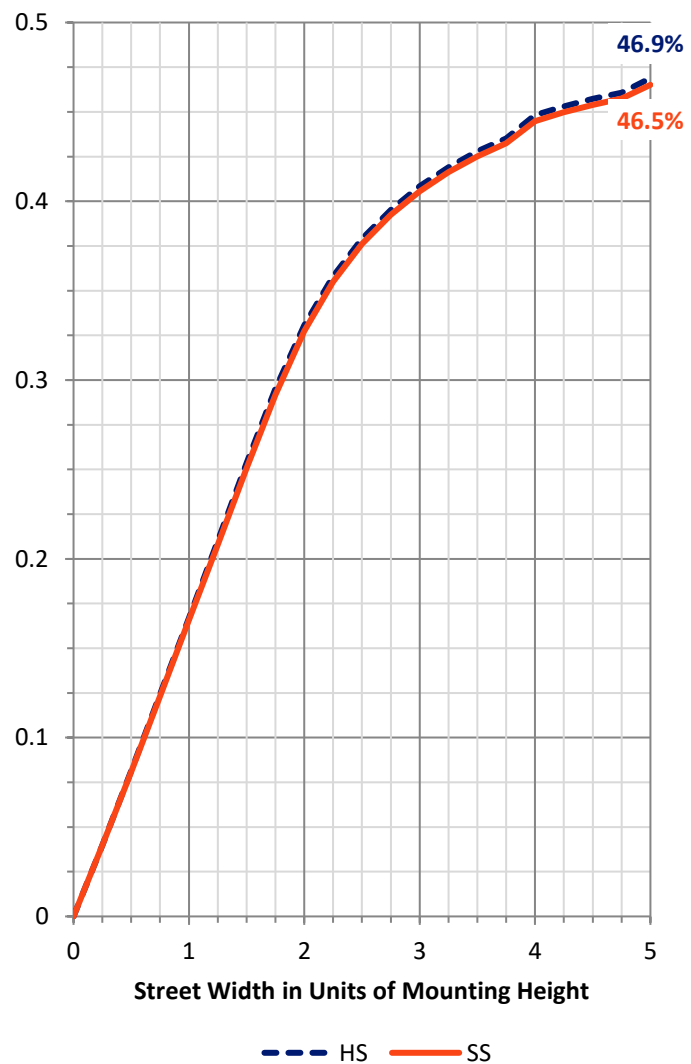
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3390.5	135.5	3526.0
	% Fixture	48.1	1.9	50.0
Street Side	Lumens	3390.5	135.5	3526.0
	% Fixture	48.1	1.9	50.0
Total	Lumens	6781.0	271.0	7052.0
	% Fixture	96.2	3.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	8.4	0.1
10°-20°	35.5	0.5
20°-30°	93.7	1.3
30°-40°	213.3	3.0
40°-50°	431.4	6.1
50°-60°	1277.2	18.1
60°-70°	2399.4	34.0
70°-80°	1783.5	25.3
80°-90°	538.4	7.6
90°-100°	174.7	2.5
100°-110°	61.2	0.9
110°-120°	23.7	0.3
120°-130°	9.4	0.1
130°-140°	1.9	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	6781.0	96.2
0°-180°	7052.0	100.0

Coefficient of Utilization



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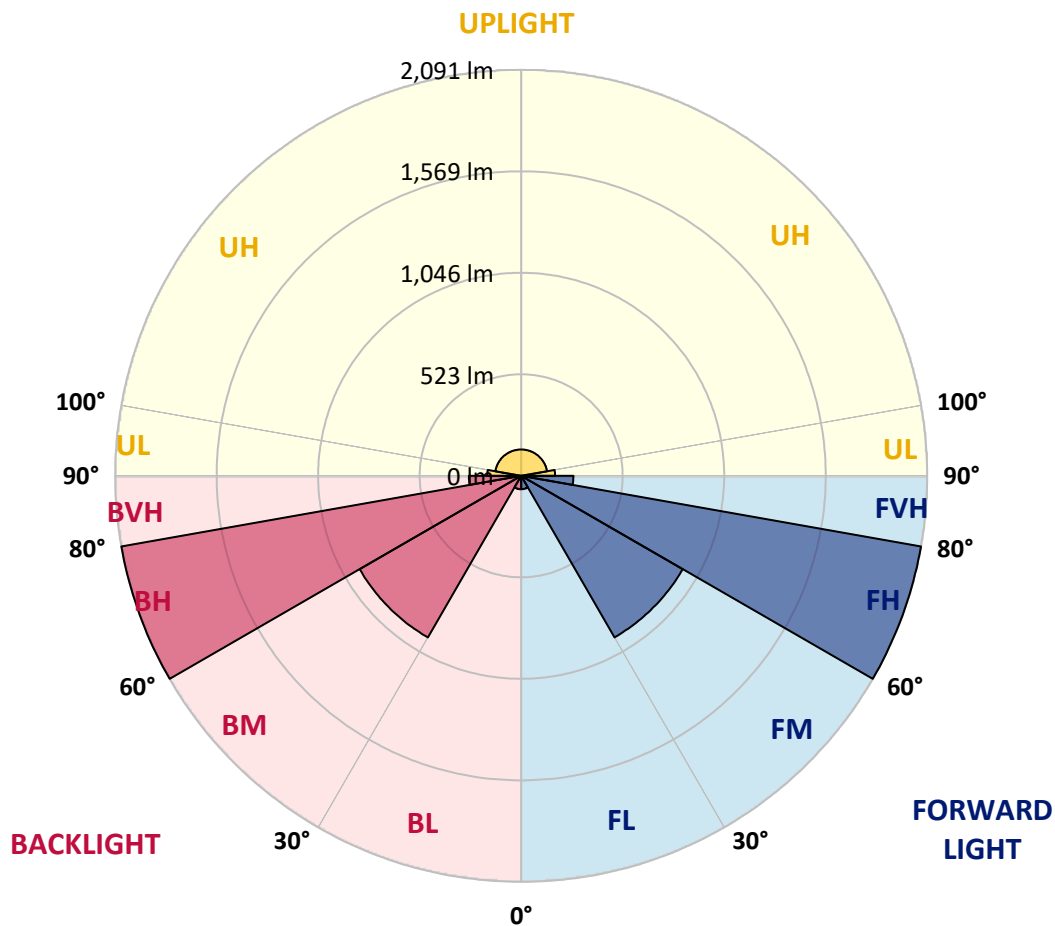
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	68.8	1.0			
FM	(30°-60°)	961.0	13.6			
FH	(60°-80°)	2091.5	29.7			G2/5000
FVH	(80°-90°)	269.2	3.8			G3/500
BL	(0°-30°)	68.8	1.0	B0/110		
BM	(30°-60°)	961.0	13.6	B1/1000		
BH	(60°-80°)	2091.5	29.7	B3/2500		G2/5000
BVH	(80°-90°)	269.2	3.8			G3/500
UL	(90°-100°)	174.7	2.5		U3/500	
UH	(100°-180°)	135.5	1.9		U3/500	

BUG Rating: B3-U3-G3

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6	77.6
2.5°	78.9	78.9	78.9	77.6	76.2	76.2	76.2	76.2	74.9	74.9	74.9
5°	82.9	82.9	81.6	80.2	80.2	78.9	80.2	78.9	78.9	78.9	80.2
7.5°	92.3	92.3	90.9	90.9	90.9	89.6	89.6	89.6	89.6	88.2	89.6
10°	103.0	103.0	103.0	103.0	103.0	101.6	101.6	100.3	100.3	100.3	100.3
12.5°	115.0	113.7	113.7	115.0	113.7	112.3	112.3	112.3	111.0	111.0	111.0
15°	125.7	125.7	124.3	124.3	124.3	123.0	123.0	121.7	121.7	120.3	120.3
17.5°	136.4	136.4	135.0	133.7	133.7	133.7	132.4	132.4	131.0	131.0	131.0
20°	149.8	148.4	147.1	145.7	144.4	144.4	144.4	144.4	143.1	141.7	141.7
22.5°	164.5	163.1	161.8	160.5	160.5	159.1	159.1	157.8	157.8	156.4	155.1
25°	195.2	195.2	189.9	188.5	188.5	189.9	188.5	187.2	184.5	180.5	180.5
27.5°	236.7	238.0	239.3	246.0	244.7	235.3	230.0	227.3	226.0	226.0	227.3
30°	283.5	284.8	288.8	295.5	291.5	279.5	266.1	260.7	264.7	270.1	271.4
32.5°	332.9	332.9	324.9	315.6	306.2	298.2	294.2	291.5	290.1	286.1	286.1
35°	371.7	365.0	339.6	308.9	299.5	304.9	320.9	326.3	306.2	287.5	284.8
37.5°	415.8	414.5	394.4	371.7	354.3	351.7	369.0	374.4	353.0	341.0	339.6
40°	462.6	465.3	469.3	460.0	433.2	425.2	415.8	409.1	409.1	410.5	407.8
42.5°	525.5	529.5	529.5	530.8	509.4	490.7	472.0	461.3	460.0	470.7	474.7
45°	609.7	609.7	600.4	581.6	572.3	558.9	546.9	536.2	530.8	532.2	536.2
47.5°	647.2	649.8	641.8	615.1	608.4	595.0	577.6	573.6	576.3	580.3	581.6
50°	778.2	771.5	716.7	660.5	640.5	653.8	679.2	685.9	660.5	635.1	628.4
52.5°	1008.2	1006.8	964.0	922.6	894.5	886.5	921.3	923.9	879.8	861.1	858.4
55°	1406.6	1391.9	1424.0	1444.1	1385.2	1319.7	1295.6	1262.2	1264.9	1302.3	1303.7
57.5°	1972.2	1980.2	2016.3	1964.2	1874.6	1826.5	1793.0	1730.2	1731.5	1765.0	1767.6
60°	2690.2	2688.9	2573.9	2373.3	2235.6	2245.0	2337.2	2350.6	2207.5	2115.3	2104.6
62.5°	3007.1	2992.4	2897.5	2654.1	2421.5	2417.5	2584.6	2606.0	2507.0	2384.0	2360.0
65°	2767.8	2755.7	2795.9	2713.0	2406.8	2327.9	2378.7	2373.3	2436.2	2492.3	2499.0
67.5°	2464.3	2466.9	2563.2	2537.8	2325.2	2191.5	2127.3	2119.3	2237.0	2368.0	2385.4
70°	2261.0	2261.0	2329.2	2226.3	2124.6	2037.7	1970.9	1929.4	2005.6	2027.0	2025.7
72.5°	2156.7	2147.4	2099.2	2000.3	1922.7	1846.5	1866.6	1835.8	1799.7	1743.6	1738.2
75°	1970.9	1960.2	1893.3	1846.5	1790.4	1695.4	1712.8	1682.1	1621.9	1571.1	1563.1
77.5°	1628.6	1628.6	1585.8	1551.0	1535.0	1453.4	1445.4	1430.7	1370.5	1342.4	1331.7
80°	1165.9	1163.3	1145.9	1133.9	1153.9	1105.8	1084.4	1084.4	1060.3	1034.9	1022.9
82.5°	693.9	684.6	684.6	688.6	676.6	645.8	651.2	681.9	679.2	664.5	653.8
85°	410.5	405.1	401.1	395.8	385.1	363.7	363.7	366.4	369.0	370.4	365.0
87.5°	274.1	272.8	272.8	272.8	260.7	246.0	252.7	256.7	254.0	252.7	251.4
90°	239.3	240.7	239.3	234.0	223.3	209.9	212.6	217.9	215.3	215.3	213.9
92.5°	215.3	215.3	212.6	207.2	196.6	184.5	185.9	188.5	187.2	185.9	184.5
95°	176.5	176.5	173.8	169.8	160.5	149.8	151.1	153.8	151.1	151.1	149.8
97.5°	137.7	137.7	136.4	133.7	125.7	117.7	119.0	120.3	119.0	119.0	117.7
100°	104.3	104.3	103.0	98.9	94.9	88.2	89.6	92.3	90.9	90.9	89.6
102.5°	77.6	77.6	76.2	74.9	69.5	65.5	66.9	66.9	66.9	65.5	65.5
105°	60.2	60.2	60.2	57.5	54.8	50.8	50.8	50.8	50.8	49.5	49.5
107.5°	48.1	46.8	46.8	45.5	42.8	40.1	40.1	40.1	40.1	40.1	40.1
110°	38.8	37.4	36.1	36.1	33.4	32.1	30.8	32.1	32.1	32.1	32.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	33.4	32.1	29.4	29.4	28.1	25.4	25.4	25.4	28.1	26.7	26.7
115°	29.4	28.1	24.1	24.1	22.7	21.4	21.4	21.4	24.1	21.4	21.4
117.5°	25.4	24.1	20.1	20.1	18.7	17.4	17.4	17.4	20.1	17.4	17.4
120°	18.7	18.7	16.0	16.0	16.0	14.7	14.7	14.7	16.0	14.7	14.7
122.5°	14.7	14.7	13.4	13.4	13.4	12.0	12.0	12.0	12.0	10.7	10.7
125°	14.7	17.4	10.7	10.7	9.4	9.4	9.4	8.0	9.4	8.0	8.0
127.5°	16.0	14.7	8.0	8.0	8.0	6.7	6.7	6.7	6.7	6.7	6.7
130°	5.3	8.0	5.3	5.3	5.3	5.3	5.3	5.3	4.0	4.0	4.0
132.5°	4.0	4.0	4.0	4.0	4.0	4.0	2.7	2.7	2.7	2.7	2.7
135°	2.7	2.7	2.7	2.7	2.7	2.7	1.3	1.3	1.3	1.3	1.3
137.5°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
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	1.3	1.3	1.3	1.3	1.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3
170°	0.0	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3
172.5°	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
175°	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3
177.5°	0.0	0.0	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
180°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3

(END OF REPORT)