

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: P691971

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691971
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11386.9 lumens
Efficiency: N/A
Efficacy: 144.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

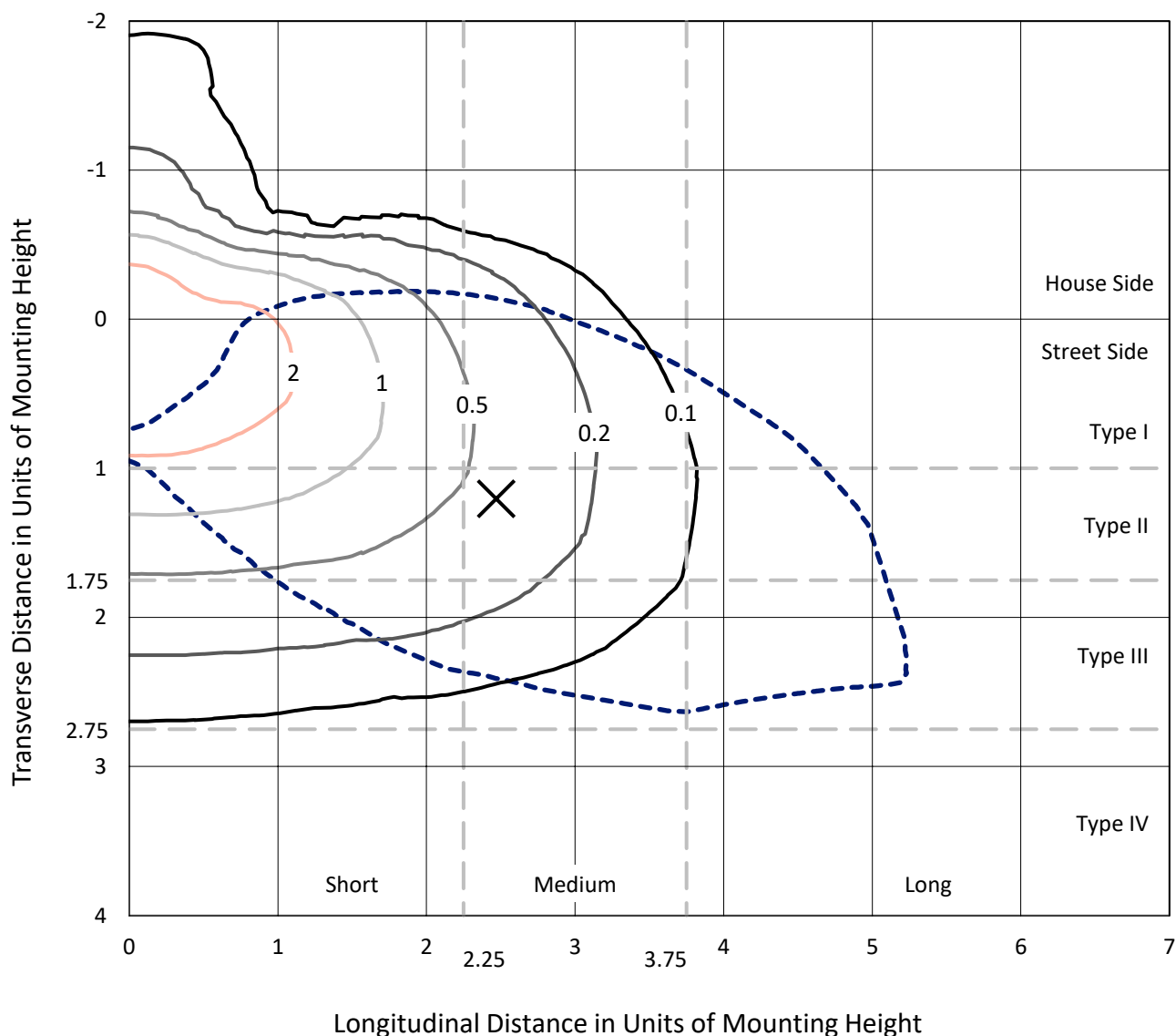
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

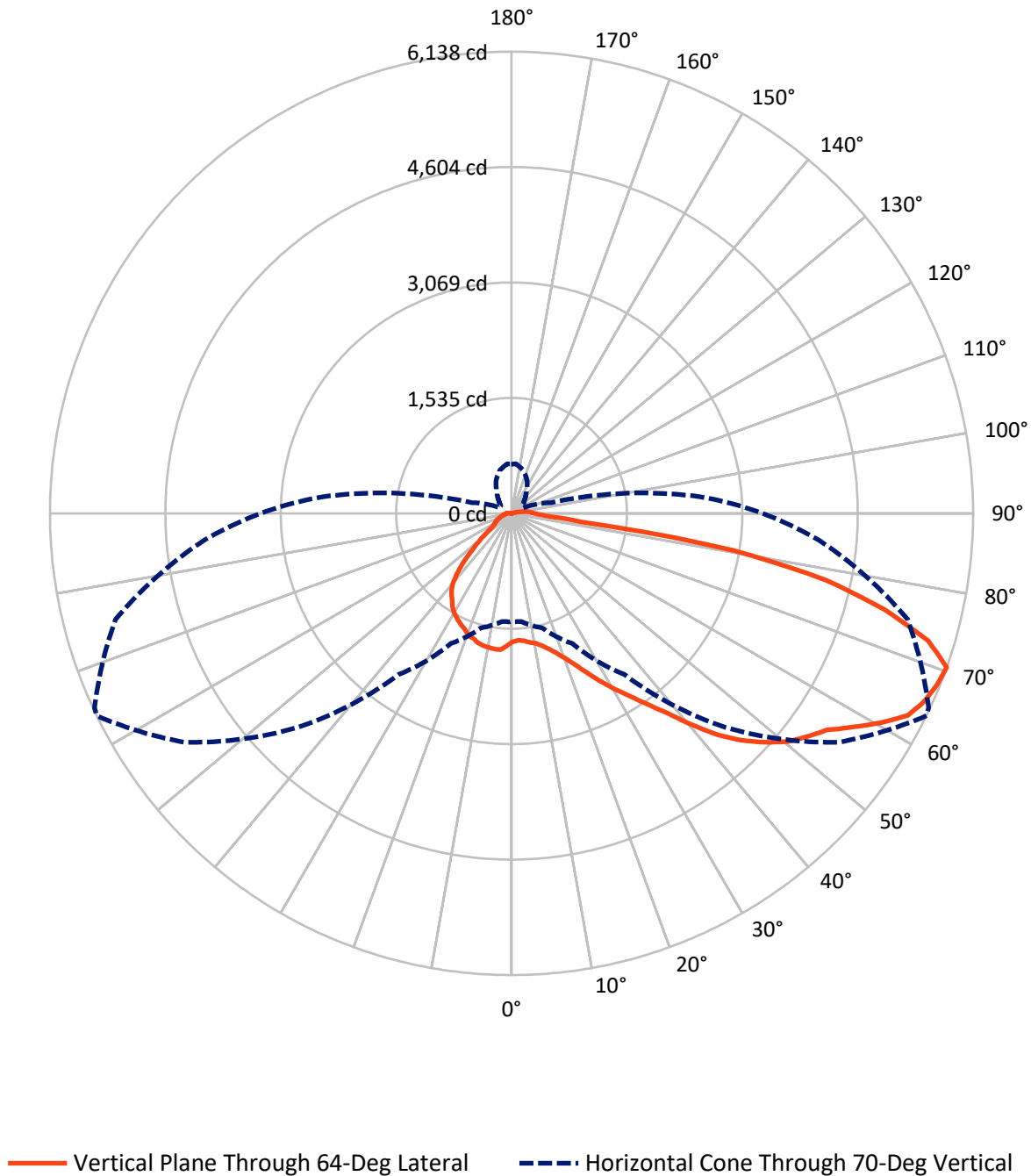
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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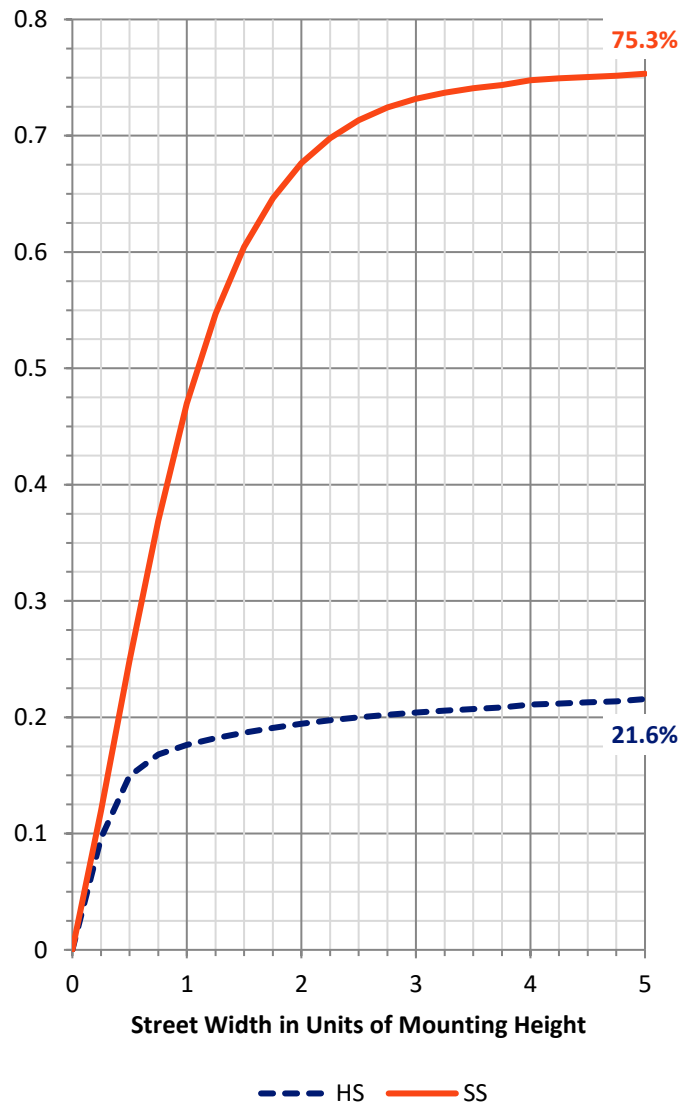
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2595.9	70.3	2666.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	8630.0	90.8	8720.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	11225.8	161.1	11386.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	170.3	1.5
10°-20°	530.2	4.7
20°-30°	919.7	8.1
30°-40°	1334.7	11.7
40°-50°	1791.1	15.7
50°-60°	2165.6	19.0
60°-70°	2331.2	20.5
70°-80°	1601.1	14.1
80°-90°	382.0	3.4
90°-100°	138.3	1.2
100°-110°	17.3	0.2
110°-120°	1.2	0.0
120°-130°	1.2	0.0
130°-140°	1.0	0.0
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.4	0.0
170°-180°	0.1	0.0
0°-90°	11225.8	98.6
0°-180°	11386.9	100.0

Coefficient of Utilization



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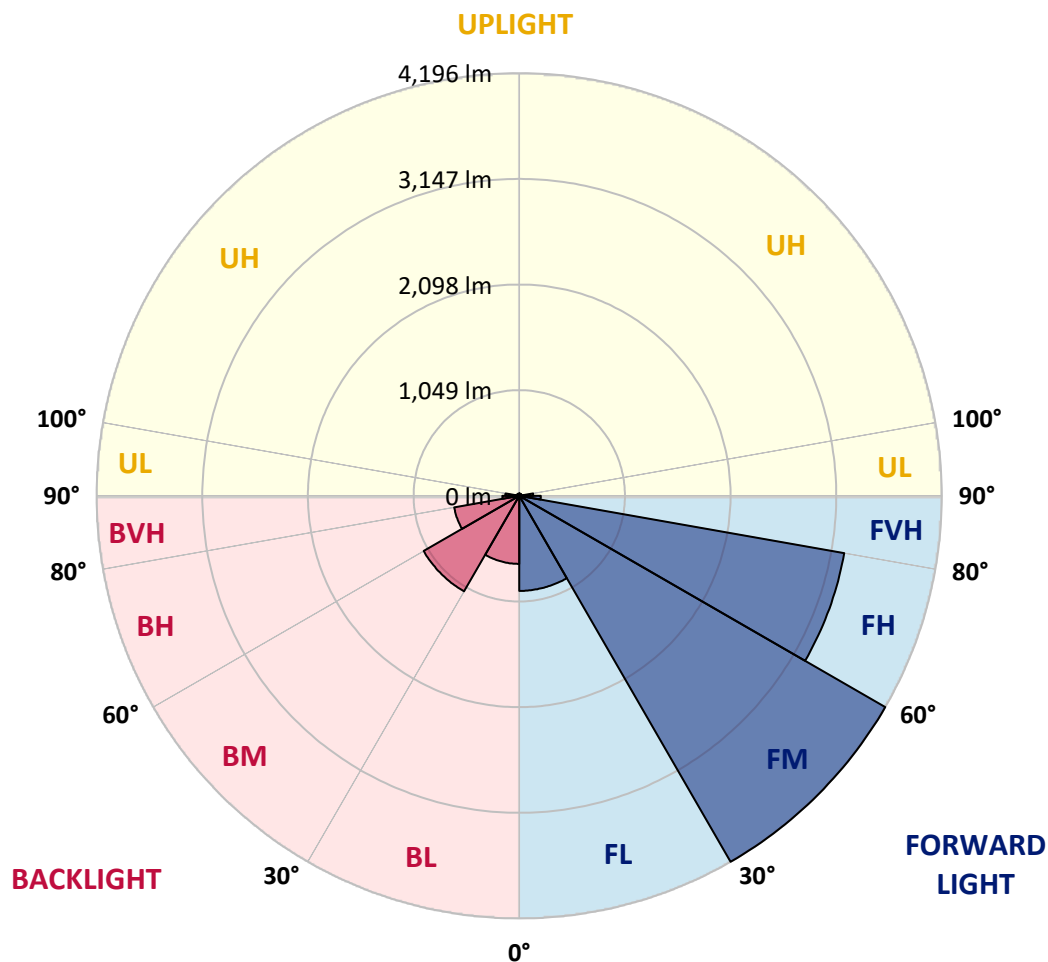
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	944.1	8.3			
FM	(30°-60°)	4195.8	36.8			
FH	(60°-80°)	3276.3	28.8			G2/5000
FVH	(80°-90°)	213.7	1.9			G2/225
BL	(0°-30°)	676.0	5.9	B2/1000		
BM	(30°-60°)	1095.6	9.6	B2/2500		
BH	(60°-80°)	656.0	5.8	B2/1000		G2/1000
BVH	(80°-90°)	168.3	1.5			G2/225
UL	(90°-100°)	138.3	1.2		U3/500	
UH	(100°-180°)	22.8	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9
2.5°	1694.0	1694.0	1690.3	1690.3	1694.0	1697.7	1694.0	1690.3	1694.0	1697.7	1708.9
5°	1761.2	1757.4	1753.7	1738.8	1723.9	1712.7	1705.2	1701.5	1705.2	1720.1	1746.2
7.5°	1805.9	1802.2	1802.2	1798.5	1783.6	1753.7	1735.1	1731.3	1731.3	1735.1	1768.6
10°	1899.2	1891.8	1876.8	1850.7	1835.8	1798.5	1764.9	1757.4	1757.4	1764.9	1805.9
12.5°	2000.0	1985.1	1988.8	1958.9	1914.2	1873.1	1824.6	1805.9	1798.5	1805.9	1828.3
15°	2138.0	2126.8	2097.0	2063.4	2018.6	1962.7	1903.0	1873.1	1869.4	1880.6	1861.9
17.5°	2238.8	2223.9	2227.6	2179.1	2141.8	2067.1	2011.2	1955.2	1955.2	1970.1	1921.6
20°	2343.3	2335.8	2347.0	2335.8	2279.8	2212.7	2130.6	2063.4	2052.2	2059.7	1988.8
22.5°	2477.6	2466.4	2466.4	2470.1	2425.3	2358.2	2261.2	2194.0	2190.3	2160.4	2063.4
25°	2615.6	2604.4	2600.7	2608.2	2600.7	2522.4	2421.6	2354.4	2343.3	2302.2	2164.2
27.5°	2746.2	2746.2	2750.0	2757.4	2768.6	2705.2	2608.2	2533.6	2533.6	2488.8	2298.5
30°	2843.2	2843.2	2876.8	2891.8	2902.9	2888.0	2783.5	2712.7	2720.1	2660.4	2451.5
32.5°	2932.8	2936.5	2973.8	3011.2	3022.4	3033.5	2944.0	2899.2	2899.2	2843.2	2615.6
35°	3022.4	3022.4	3074.6	3149.2	3186.5	3175.3	3134.3	3119.4	3123.1	3111.9	2858.2
37.5°	3093.2	3100.7	3179.1	3272.3	3324.6	3343.2	3320.9	3369.4	3414.1	3447.7	3175.3
40°	3164.1	3164.1	3238.8	3339.5	3432.8	3485.0	3514.9	3697.7	3731.3	3742.5	3354.4
42.5°	3089.5	3108.2	3264.9	3414.1	3533.5	3623.1	3757.4	4029.8	4070.8	3944.0	3597.0
45°	3018.6	3041.0	3197.7	3447.7	3619.4	3798.5	4029.8	4305.9	4339.5	4149.2	3742.5
47.5°	2947.7	2973.8	3145.5	3417.9	3697.7	3992.5	4242.5	4548.5	4563.4	4317.1	3906.7
50°	2873.1	2899.2	3082.1	3384.3	3746.2	4190.2	4455.2	4768.6	4768.6	4466.4	4003.7
52.5°	2779.8	2809.7	2996.2	3332.0	3783.5	4324.6	4649.2	4929.0	4899.2	4645.5	4111.9
55°	2660.4	2701.5	2899.2	3257.4	3798.5	4395.5	4772.3	5085.8	5078.3	4865.6	4249.9
57.5°	2533.6	2567.1	2779.8	3160.4	3783.5	4444.0	4902.9	5358.1	5369.3	5055.9	4358.2
60°	2391.8	2414.1	2619.4	3026.1	3686.5	4529.8	5197.7	5649.2	5664.1	5231.3	4399.2
62.5°	2205.2	2220.1	2414.1	2843.2	3555.9	4585.8	5410.4	5914.1	5906.6	5388.0	4406.7
65°	1970.1	1988.8	2171.6	2600.7	3361.9	4548.5	5462.6	6029.8	6037.2	5462.6	4395.5
67.5°	1742.5	1753.7	1906.7	2279.8	3048.5	4369.3	5410.4	6096.9	6130.5	5526.1	4287.3
70°	1440.3	1444.0	1578.3	1910.4	2615.6	4026.1	5305.9	6138.0	6119.3	5451.4	4100.7
72.5°	1108.2	1111.9	1212.7	1462.7	2033.6	3429.1	4936.5	5791.0	5757.4	5041.0	3697.7
75°	787.3	802.2	861.9	1026.1	1361.9	2503.7	4223.8	5126.8	5149.2	4485.0	3082.1
77.5°	447.8	462.7	511.2	641.8	783.6	1403.0	3190.3	4276.1	4291.0	3772.3	2365.6
80°	194.0	197.8	216.4	306.0	417.9	671.6	1634.3	2996.2	3212.6	2563.4	1350.7
82.5°	164.2	164.2	171.6	179.1	182.8	306.0	634.3	929.1	958.9	757.5	440.3
85°	141.8	141.8	149.3	156.7	160.4	209.0	384.3	466.4	485.1	432.8	309.7
87.5°	111.9	111.9	123.1	130.6	130.6	171.6	287.3	347.0	358.2	347.0	276.1
90°	100.7	100.7	97.0	97.0	100.7	123.1	223.9	291.0	302.2	369.4	317.2
92.5°	85.8	89.6	89.6	89.6	78.4	89.6	160.4	257.5	279.8	365.7	287.3
95°	85.8	82.1	82.1	78.4	74.6	78.4	119.4	223.9	250.0	317.2	242.5
97.5°	59.7	56.0	59.7	63.4	67.2	70.9	100.7	164.2	182.8	246.3	179.1
100°	37.3	37.3	37.3	37.3	44.8	48.5	82.1	100.7	111.9	156.7	119.4
102.5°	22.4	18.7	18.7	18.7	22.4	29.9	41.0	56.0	59.7	89.6	70.9
105°	7.5	7.5	7.5	7.5	11.2	14.9	14.9	22.4	22.4	29.9	29.9
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9	1708.9
2.5°	1716.4	1723.9	1738.8	1757.4	1779.8	1798.5	1813.4	1817.1	1824.6	1824.6	1832.1
5°	1753.7	1768.6	1791.0	1817.1	1828.3	1820.9	1820.9	1824.6	1832.1	1850.7	1858.2
7.5°	1794.8	1805.9	1805.9	1817.1	1839.5	1832.1	1828.3	1824.6	1824.6	1817.1	1828.3
10°	1809.7	1794.8	1813.4	1809.7	1802.2	1817.1	1820.9	1798.5	1802.2	1802.2	1805.9
12.5°	1813.4	1813.4	1798.5	1798.5	1798.5	1764.9	1757.4	1776.1	1757.4	1764.9	1761.2
15°	1854.5	1824.6	1805.9	1783.6	1753.7	1742.5	1716.4	1686.5	1686.5	1694.0	1694.0
17.5°	1884.3	1854.5	1798.5	1738.8	1727.6	1675.4	1656.7	1649.2	1645.5	1649.2	1656.7
20°	1929.1	1884.3	1791.0	1731.3	1634.3	1615.7	1582.1	1578.3	1570.9	1544.8	1537.3
22.5°	1988.8	1917.9	1787.3	1667.9	1589.5	1526.1	1466.4	1429.1	1425.4	1406.7	1395.5
25°	2055.9	1985.1	1802.2	1638.0	1507.4	1414.2	1365.7	1279.8	1238.8	1253.7	1246.3
27.5°	2194.0	2063.4	1828.3	1597.0	1440.3	1294.8	1182.8	1130.6	1078.3	1078.3	1085.8
30°	2320.9	2164.2	1828.3	1559.7	1328.3	1153.0	1007.5	925.4	903.0	888.0	880.6
32.5°	2511.2	2291.0	1906.7	1507.4	1223.9	970.1	806.0	708.9	712.7	727.6	723.9
35°	2731.3	2492.5	1929.1	1432.8	1070.9	787.3	623.1	570.9	600.7	608.2	608.2
37.5°	2996.2	2738.8	2029.8	1373.1	910.4	582.1	492.5	470.1	496.3	492.5	507.5
40°	3141.8	2858.2	2115.6	1298.5	697.8	429.1	380.6	365.7	406.7	440.3	447.8
42.5°	3347.0	3000.0	2197.7	1156.7	473.9	313.4	291.0	339.5	399.2	436.6	440.3
45°	3458.9	3082.1	2164.2	981.3	302.2	253.7	283.6	343.3	406.7	444.0	447.8
47.5°	3593.2	3190.3	2104.5	764.9	242.5	250.0	287.3	350.7	417.9	451.5	451.5
50°	3727.6	3298.5	1958.9	600.7	227.6	246.3	294.8	354.5	414.2	436.6	436.6
52.5°	3805.9	3391.7	1787.3	436.6	223.9	246.3	298.5	358.2	410.4	421.6	421.6
55°	3876.8	3399.2	1638.0	324.6	220.1	250.0	302.2	365.7	414.2	425.4	421.6
57.5°	3917.9	3350.7	1533.6	279.8	216.4	250.0	306.0	373.1	444.0	470.1	462.7
60°	3895.5	3276.1	1455.2	261.2	212.7	250.0	309.7	395.5	563.4	608.2	593.3
62.5°	3858.2	3223.8	1291.0	238.8	205.2	250.0	313.4	447.8	626.9	649.2	630.6
65°	3809.7	3070.9	1104.5	216.4	197.8	246.3	317.2	485.1	597.0	597.0	593.3
67.5°	3608.2	2865.6	824.6	194.0	186.6	246.3	324.6	477.6	574.6	623.1	623.1
70°	3339.5	2522.4	544.8	171.6	175.4	238.8	339.5	485.1	593.3	660.4	653.0
72.5°	2828.3	2093.3	302.2	149.3	160.4	235.1	339.5	514.9	641.8	716.4	705.2
75°	2309.7	1548.5	216.4	134.3	145.5	227.6	343.3	533.6	686.6	764.9	746.3
77.5°	1626.8	888.0	171.6	115.7	130.6	216.4	339.5	526.1	708.9	779.8	757.5
80°	686.6	320.9	141.8	104.5	111.9	194.0	313.4	503.7	708.9	824.6	813.4
82.5°	309.7	227.6	123.1	93.3	104.5	160.4	291.0	485.1	686.6	828.3	895.5
85°	242.5	186.6	104.5	82.1	93.3	153.0	261.2	462.7	656.7	764.9	839.5
87.5°	231.3	186.6	93.3	74.6	85.8	130.6	201.5	429.1	589.5	705.2	764.9
90°	250.0	194.0	74.6	63.4	78.4	115.7	164.2	361.9	511.2	619.4	619.4
92.5°	231.3	179.1	56.0	48.5	82.1	93.3	156.7	223.9	369.4	309.7	384.3
95°	194.0	149.3	37.3	33.6	78.4	78.4	85.8	104.5	257.5	7.5	0.0
97.5°	141.8	108.2	22.4	18.7	59.7	63.4	41.0	48.5	104.5	0.0	0.0
100°	104.5	70.9	14.9	14.9	37.3	52.2	26.1	26.1	0.0	0.0	0.0
102.5°	56.0	37.3	11.2	7.5	18.7	29.9	11.2	7.5	0.0	0.0	0.0
105°	29.9	14.9	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
107.5°	7.5	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
122.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
130°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
132.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
135°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.7	3.7	3.7	3.7	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)