

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: P691939

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691939
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11233.9 lumens
Efficiency: N/A
Efficacy: 142.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G3

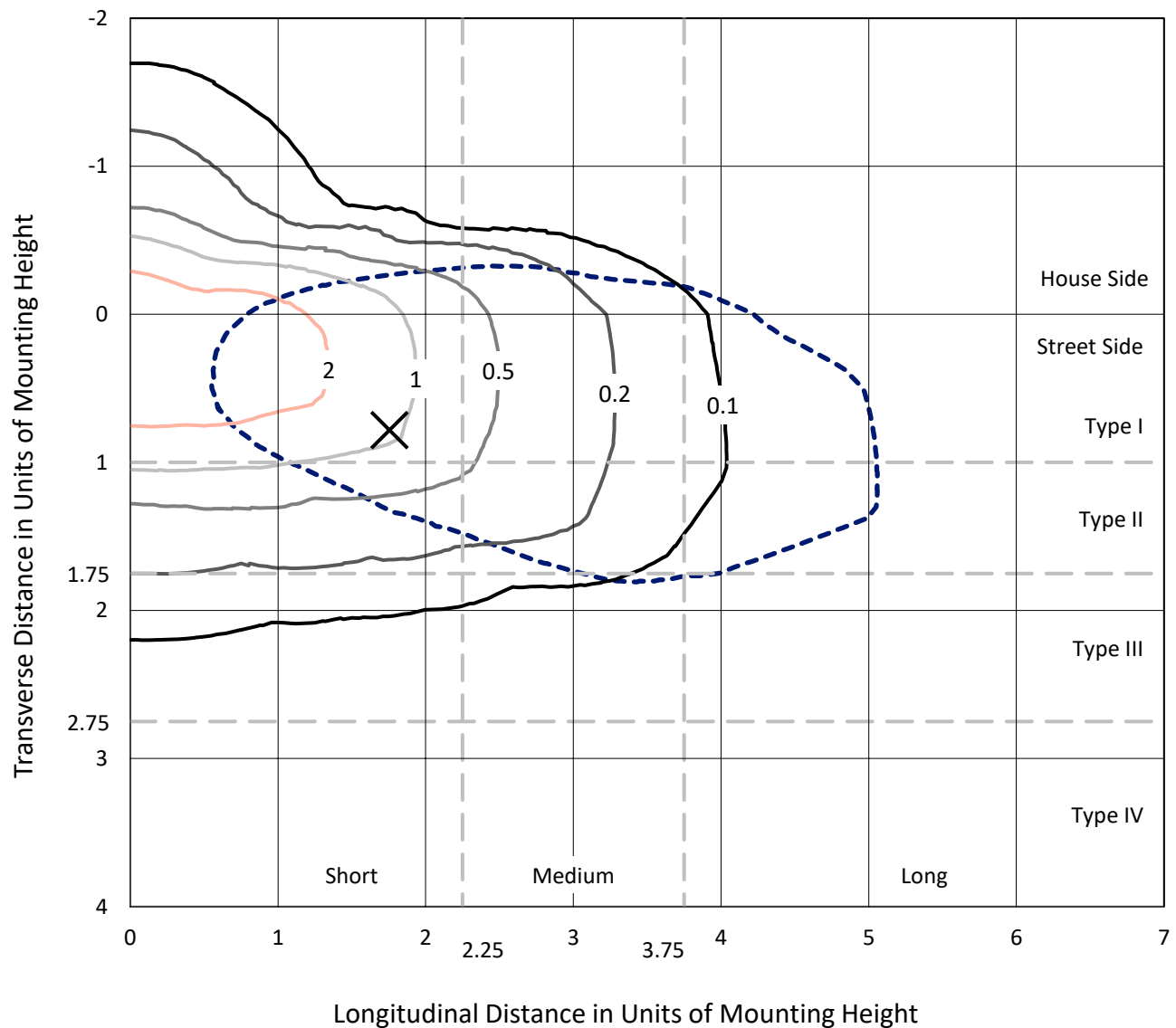
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

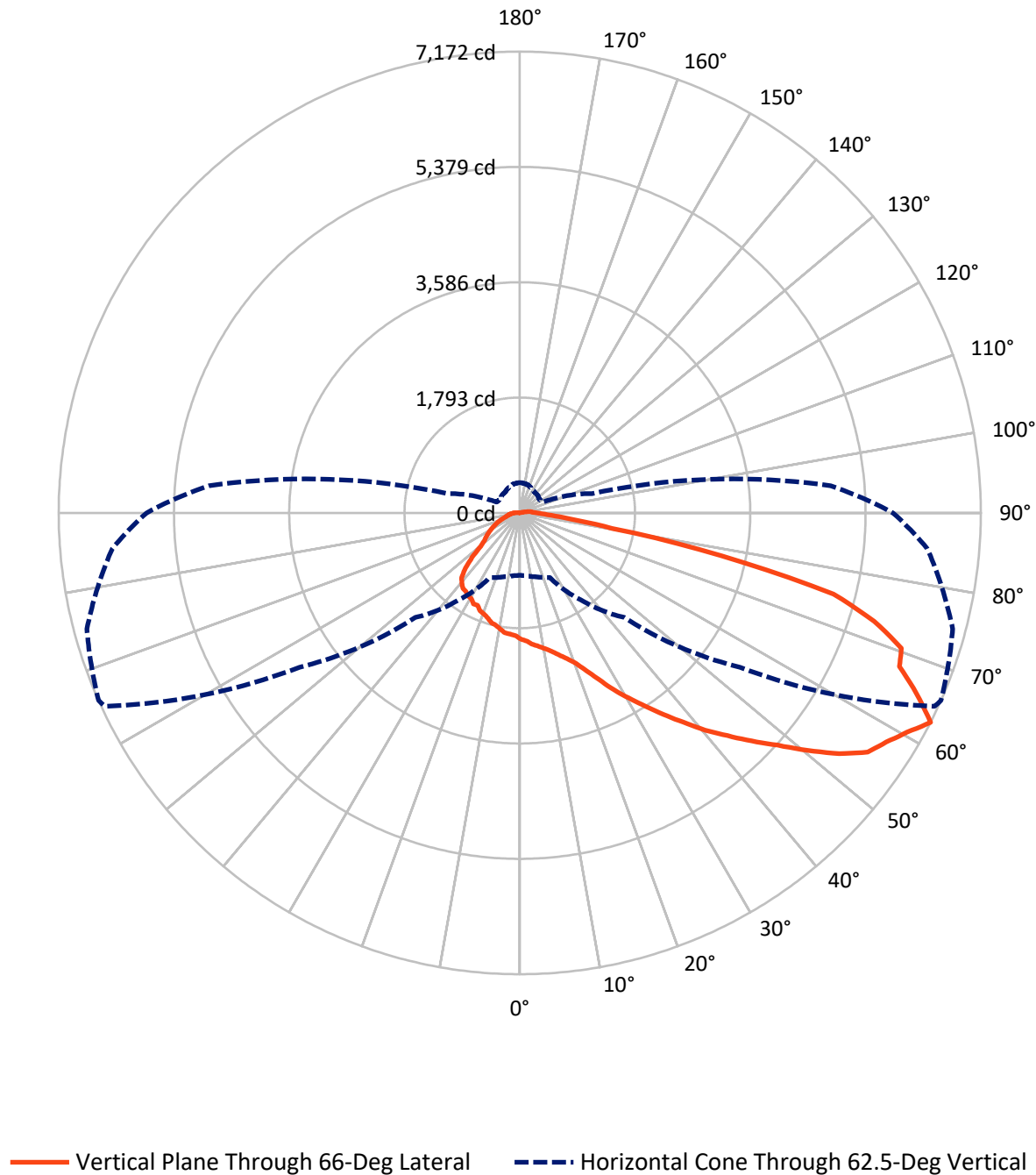
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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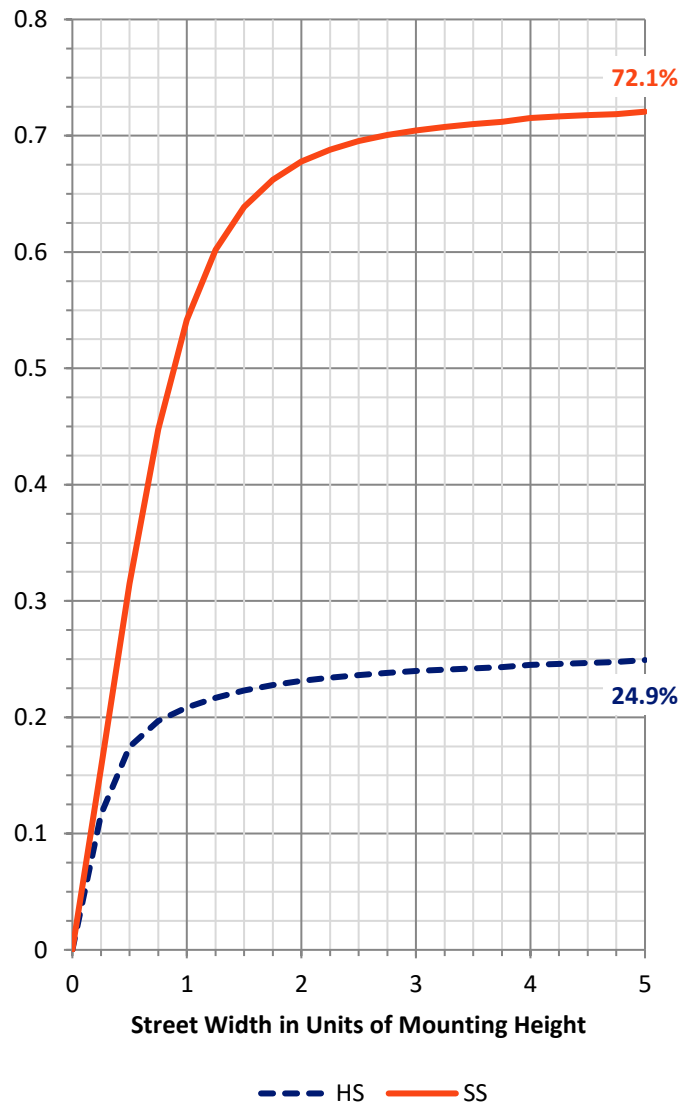
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2924.1	80.8	3004.8
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	8149.1	80.0	8229.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	11073.2	160.7	11233.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.7	1.7
10°-20°	564.8	5.0
20°-30°	955.8	8.5
30°-40°	1398.3	12.4
40°-50°	1827.8	16.3
50°-60°	2126.9	18.9
60°-70°	2127.8	18.9
70°-80°	1468.2	13.1
80°-90°	415.0	3.7
90°-100°	136.8	1.2
100°-110°	18.7	0.2
110°-120°	1.1	0.0
120°-130°	1.0	0.0
130°-140°	1.1	0.0
140°-150°	0.9	0.0
150°-160°	0.7	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	11073.2	98.6
0°-180°	11233.9	100.0

Coefficient of Utilization



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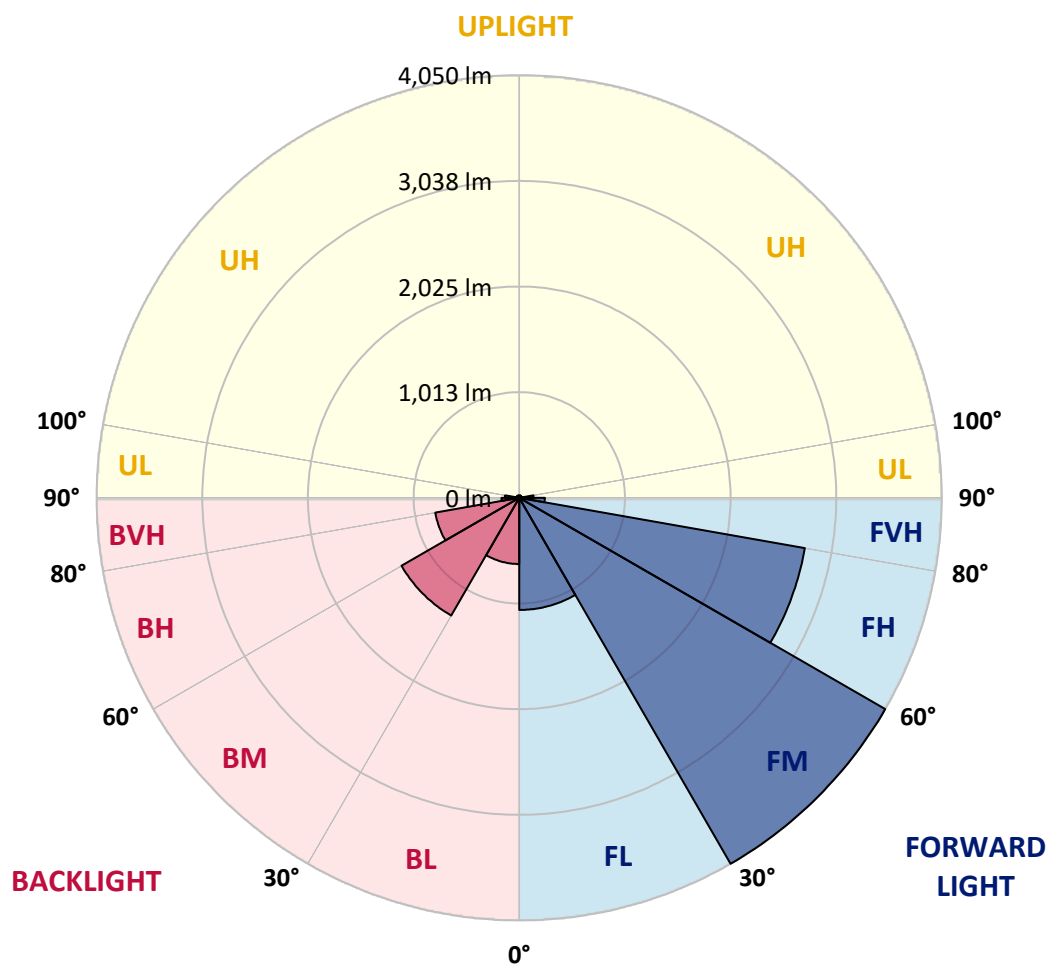
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1074.7	9.6			
FM	(30°-60°)	4050.2	36.1			
FH	(60°-80°)	2779.2	24.7			G2/5000
FVH	(80°-90°)	245.1	2.2			G3/500
BL	(0°-30°)	634.6	5.6	B2/1000		
BM	(30°-60°)	1302.8	11.6	B2/2500		
BH	(60°-80°)	816.8	7.3	B2/1000		G2/1000
BVH	(80°-90°)	169.9	1.5			G2/225
UL	(90°-100°)	136.8	1.2		U3/500	
UH	(100°-180°)	23.9	0.2		U2/50	

BUG Rating: B2-U3-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
2.5°	2063.5	2059.8	2059.8	2041.1	2022.5	2018.8	2007.6	1992.6	1992.6	1981.4	1962.8
5°	2186.7	2182.9	2186.7	2160.6	2134.4	2112.0	2074.7	2056.1	2052.3	2026.2	1988.9
7.5°	2272.5	2268.8	2265.0	2242.6	2231.5	2209.1	2156.8	2100.8	2093.4	2067.3	2018.8
10°	2306.1	2309.8	2328.5	2291.2	2268.8	2250.1	2220.3	2153.1	2145.6	2085.9	2011.3
12.5°	2395.6	2399.4	2388.2	2343.4	2335.9	2321.0	2272.5	2216.5	2209.1	2134.4	2029.9
15°	2488.9	2488.9	2474.0	2447.9	2429.2	2414.3	2354.6	2294.9	2291.2	2201.6	2078.5
17.5°	2530.0	2537.4	2541.2	2507.6	2500.1	2496.4	2466.5	2391.9	2384.4	2298.6	2145.6
20°	2556.1	2559.8	2563.6	2559.8	2563.6	2559.8	2574.8	2515.0	2496.4	2406.8	2220.3
22.5°	2608.3	2615.8	2641.9	2641.9	2653.1	2679.2	2668.0	2675.5	2668.0	2559.8	2347.1
25°	2634.5	2645.6	2679.2	2720.3	2768.8	2798.6	2839.7	2869.5	2873.3	2776.3	2541.2
27.5°	2593.4	2619.5	2705.4	2768.8	2880.7	2959.1	3056.1	3104.6	3112.1	3018.8	2750.1
30°	2645.6	2645.6	2697.9	2787.4	2925.5	3108.4	3257.6	3332.2	3339.7	3268.8	2959.1
32.5°	2548.6	2571.0	2690.4	2862.1	3059.8	3268.8	3414.3	3559.9	3578.5	3556.1	3257.6
35°	2537.4	2548.6	2623.3	2802.4	3067.3	3418.1	3619.6	3809.9	3847.2	3854.7	3544.9
37.5°	2433.0	2447.9	2585.9	2809.8	3171.8	3522.6	3780.0	4093.5	4127.1	4179.3	3795.0
40°	2302.3	2324.7	2436.7	2686.7	3141.9	3645.7	3951.7	4392.0	4440.5	4503.9	4123.3
42.5°	2130.7	2171.7	2362.1	2630.7	3127.0	3686.7	4115.9	4690.5	4735.3	4802.5	4399.5
45°	1985.2	1996.4	2149.4	2429.2	3007.6	3742.7	4268.9	5026.4	5056.2	5089.8	4623.4
47.5°	1854.6	1877.0	2007.6	2268.8	2880.7	3731.5	4403.2	5343.5	5395.8	5496.5	4895.8
50°	1466.5	1518.7	1888.2	2130.7	2686.7	3697.9	4515.1	5716.7	5802.5	5839.8	5205.5
52.5°	1268.7	1283.6	1470.2	1996.4	2470.3	3586.0	4612.2	6123.4	6220.4	6134.6	5578.6
55°	1171.7	1186.6	1272.4	1724.0	2302.3	3358.4	4686.8	6507.8	6567.5	6366.0	5854.8
57.5°	1119.5	1130.7	1175.4	1395.6	2097.1	2996.4	4694.3	6698.1	6720.5	6548.8	5996.6
60°	1029.9	1041.1	1119.5	1216.5	1869.5	2612.1	4563.7	6806.3	6922.0	6772.7	6269.0
62.5°	970.2	977.7	1029.9	1108.3	1649.3	2298.6	4183.0	7116.0	7172.0	6970.5	6362.2
65°	895.6	903.0	951.5	1022.4	1507.5	2123.2	4018.9	6989.1	6783.9	6922.0	6485.4
67.5°	809.7	820.9	865.7	925.4	1272.4	1951.6	3544.9	6515.2	6369.7	6675.7	6164.5
70°	731.4	738.8	787.4	820.9	1044.8	1727.7	2944.2	6145.8	6298.8	6295.1	5873.4
72.5°	645.6	653.0	694.1	723.9	873.2	1462.8	2335.9	5720.4	5765.2	5604.7	5198.0
75°	556.0	559.7	597.0	626.9	716.5	1171.7	1705.3	4731.6	5041.3	5358.5	4496.5
77.5°	447.8	459.0	488.8	503.8	574.7	936.6	1112.0	2802.4	3201.6	4712.9	4018.9
80°	335.8	335.8	358.2	365.7	425.4	697.8	701.5	1350.8	1451.6	2996.4	2985.2
82.5°	212.7	223.9	246.3	242.5	287.3	399.3	444.1	750.0	806.0	1186.6	1324.7
85°	171.7	175.4	190.3	179.1	190.3	216.4	250.0	473.9	492.6	723.9	720.2
87.5°	141.8	145.5	156.7	149.3	153.0	164.2	194.0	317.2	324.6	466.4	481.4
90°	108.2	111.9	126.9	123.1	119.4	134.3	160.5	242.5	253.7	369.4	395.5
92.5°	70.9	70.9	82.1	82.1	82.1	97.0	141.8	186.6	194.0	335.8	354.5
95°	52.2	52.2	56.0	59.7	56.0	70.9	104.5	167.9	182.8	313.4	306.0
97.5°	33.6	33.6	37.3	41.0	37.3	44.8	59.7	119.4	134.3	242.5	238.8
100°	22.4	22.4	22.4	22.4	22.4	22.4	33.6	78.4	89.6	153.0	149.3
102.5°	14.9	14.9	14.9	14.9	11.2	11.2	14.9	37.3	41.0	82.1	78.4
105°	3.7	3.7	7.5	7.5	7.5	3.7	3.7	14.9	18.7	33.6	33.6
107.5°	0.0	0.0	0.0	3.7	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	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7	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	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8	1962.8
2.5°	1955.3	1944.1	1925.5	1906.8	1895.6	1884.4	1865.8	1850.8	1850.8	1869.5	1869.5
5°	1962.8	1940.4	1903.1	1888.2	1869.5	1843.4	1813.5	1791.1	1779.9	1794.9	1798.6
7.5°	1981.4	1947.9	1910.5	1877.0	1813.5	1765.0	1738.9	1709.0	1705.3	1720.2	1727.7
10°	1966.5	1932.9	1888.2	1824.7	1757.5	1720.2	1671.7	1634.4	1634.4	1623.2	1630.7
12.5°	1981.4	1936.7	1847.1	1779.9	1720.2	1638.1	1578.4	1541.1	1537.4	1548.6	1548.6
15°	2018.8	1951.6	1835.9	1753.8	1656.8	1574.7	1515.0	1474.0	1485.1	1462.8	1466.5
17.5°	2063.5	1962.8	1835.9	1694.1	1585.9	1507.5	1425.4	1376.9	1380.7	1384.4	1388.1
20°	2119.5	1992.6	1817.3	1649.3	1518.7	1406.8	1313.5	1276.2	1265.0	1272.4	1276.2
22.5°	2205.3	2059.8	1809.8	1626.9	1425.4	1317.2	1235.1	1160.5	1153.0	1153.0	1153.0
25°	2347.1	2160.6	1843.4	1552.3	1376.9	1212.7	1119.5	1048.6	1015.0	1018.7	1022.4
27.5°	2563.6	2321.0	1877.0	1556.0	1265.0	1119.5	1003.8	925.4	906.8	910.5	914.2
30°	2791.2	2537.4	1962.8	1481.4	1201.6	977.7	858.3	802.3	779.9	768.7	772.4
32.5°	2966.6	2727.7	2082.2	1459.0	1085.9	824.7	750.0	705.3	675.4	664.2	664.2
35°	3246.4	2914.3	2179.2	1403.1	966.5	727.6	667.9	619.4	604.5	597.0	597.0
37.5°	3485.2	3119.6	2280.0	1380.7	820.9	653.0	578.4	548.5	548.5	541.1	537.3
40°	3742.7	3336.0	2335.9	1313.5	709.0	574.7	500.0	496.3	507.5	507.5	507.5
42.5°	4052.4	3559.9	2395.6	1235.1	623.2	485.1	444.1	473.9	500.0	507.5	507.5
45°	4283.8	3701.7	2421.8	1067.2	537.3	421.7	436.6	466.4	500.0	511.2	507.5
47.5°	4481.6	3906.9	2384.4	862.0	462.7	410.5	429.1	455.2	496.3	511.2	511.2
50°	4679.3	4082.3	2358.3	623.2	432.9	410.5	429.1	440.3	485.1	503.8	503.8
52.5°	4970.4	4220.4	2253.8	522.4	410.5	414.2	436.6	436.6	477.6	500.0	511.2
55°	5343.5	4537.5	2056.1	488.8	403.0	410.5	440.3	440.3	470.2	492.6	500.0
57.5°	5496.5	4649.5	1716.5	459.0	395.5	410.5	429.1	436.6	473.9	488.8	485.1
60°	5698.0	4832.3	1406.8	429.1	380.6	403.0	414.2	440.3	470.2	473.9	470.2
62.5°	5806.2	4854.7	1164.2	399.3	369.4	391.8	395.5	425.4	455.2	466.4	470.2
65°	5866.0	4832.3	862.0	369.4	358.2	376.9	380.6	406.7	436.6	444.1	447.8
67.5°	5649.5	4679.3	597.0	339.6	347.0	358.2	365.7	391.8	414.2	436.6	444.1
70°	5261.4	4235.3	425.4	302.3	328.4	339.6	354.5	380.6	403.0	432.9	440.3
72.5°	4832.3	3410.6	313.4	257.5	302.3	317.2	343.3	362.0	395.5	432.9	444.1
75°	4429.3	2992.7	250.0	220.2	257.5	291.1	324.6	350.8	399.3	529.9	548.5
77.5°	3141.9	2022.5	223.9	194.0	220.2	253.7	298.5	343.3	556.0	630.6	634.4
80°	2280.0	1190.4	201.5	171.7	190.3	205.2	272.4	421.7	615.7	582.1	582.1
82.5°	1141.8	638.1	190.3	153.0	164.2	167.9	242.5	537.3	496.3	518.7	522.4
85°	552.3	309.7	156.7	134.3	141.8	138.1	227.6	511.2	470.2	473.9	466.4
87.5°	347.0	190.3	123.1	111.9	115.7	111.9	216.4	488.8	492.6	403.0	410.5
90°	313.4	223.9	97.0	89.6	78.4	93.3	194.0	455.2	481.4	291.1	242.5
92.5°	302.3	242.5	70.9	63.4	56.0	74.6	145.5	369.4	294.8	123.1	74.6
95°	268.7	212.7	59.7	44.8	52.2	63.4	93.3	246.3	197.8	0.0	0.0
97.5°	201.5	156.7	48.5	29.9	167.9	56.0	52.2	160.5	56.0	0.0	0.0
100°	126.9	97.0	37.3	22.4	190.3	37.3	33.6	93.3	0.0	0.0	0.0
102.5°	70.9	52.2	18.7	14.9	82.1	18.7	22.4	22.4	0.0	0.0	0.0
105°	29.9	26.1	7.5	7.5	7.5	3.7	11.2	0.0	0.0	0.0	0.0
107.5°	7.5	11.2	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	3.7	3.7	3.7	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	3.7	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	3.7	3.7	3.7	3.7	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	3.7	0.0	0.0	0.0	0.0	0.0
125°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
127.5°	3.7	3.7	3.7	7.5	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	3.7	0.0	0.0	0.0	0.0
135°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
137.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
140°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
142.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
145°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
147.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
150°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
152.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
155°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
157.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
160°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0
162.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
165°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
167.5°	3.7	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.7	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.7	3.7	3.7	3.7	3.7	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)