

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: P691944

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691944
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11282 lumens
Efficiency: N/A
Efficacy: 142.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - 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

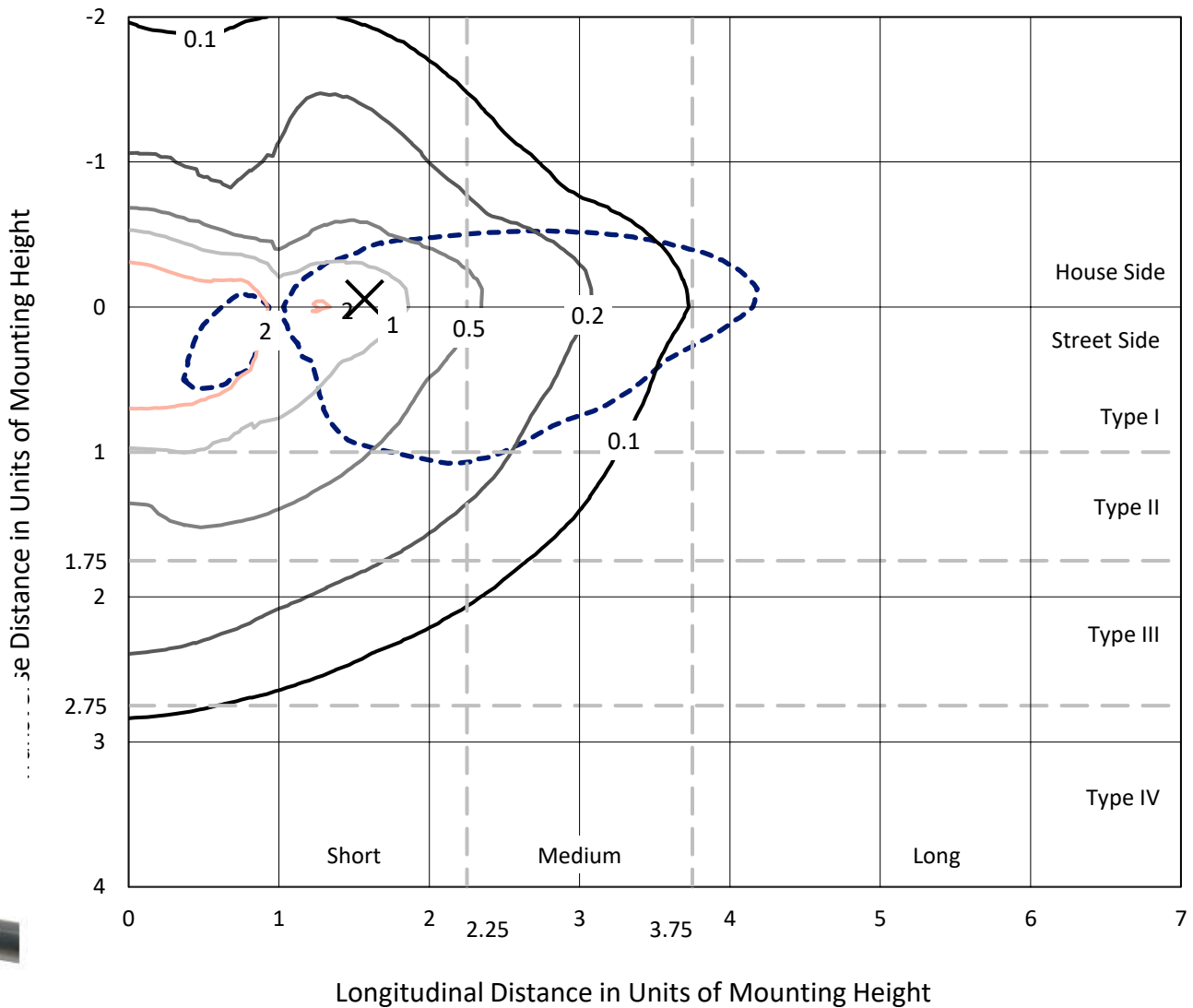


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

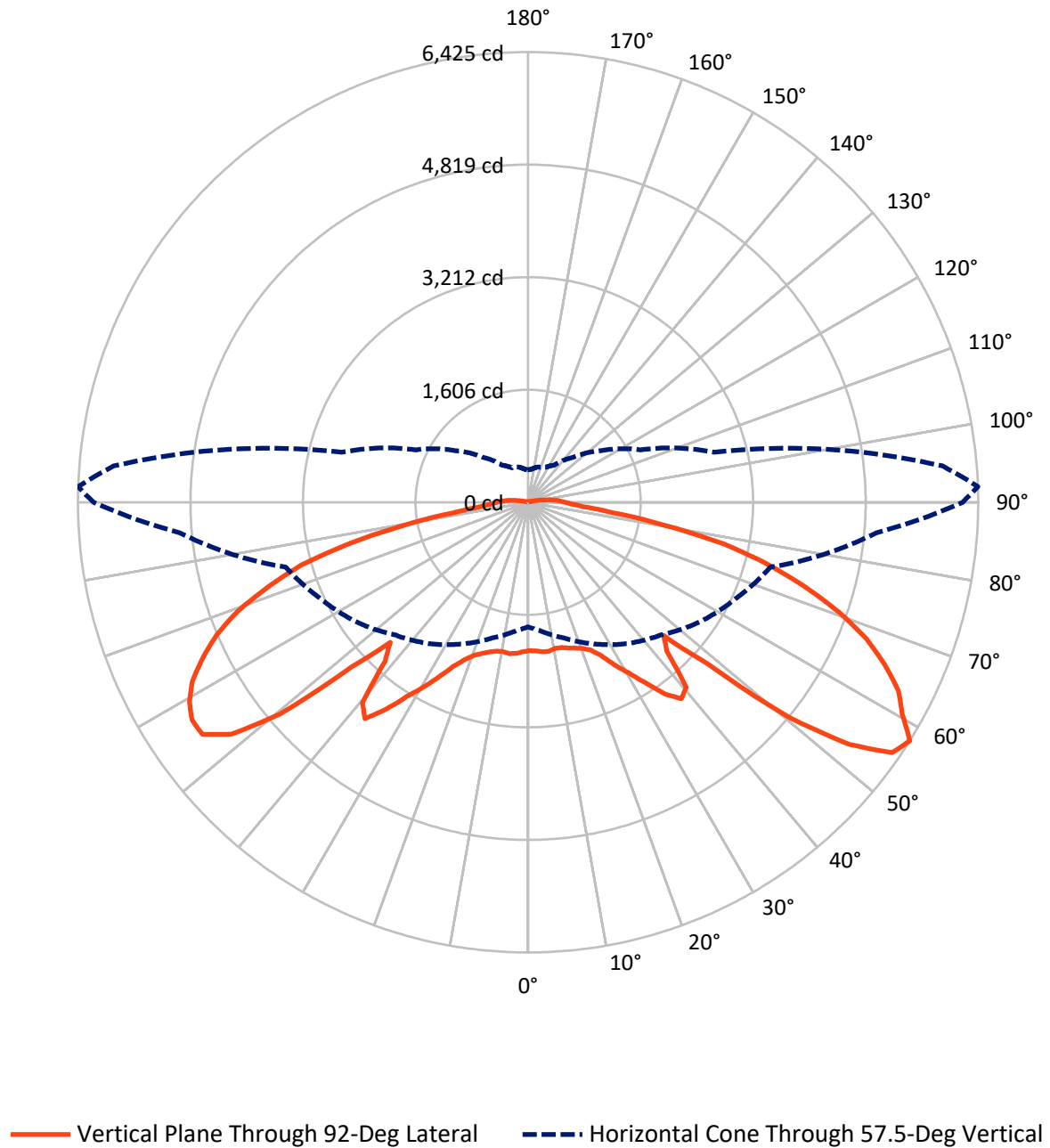


Based on 25 foot mounting height. Maximum calculated value = 3.8 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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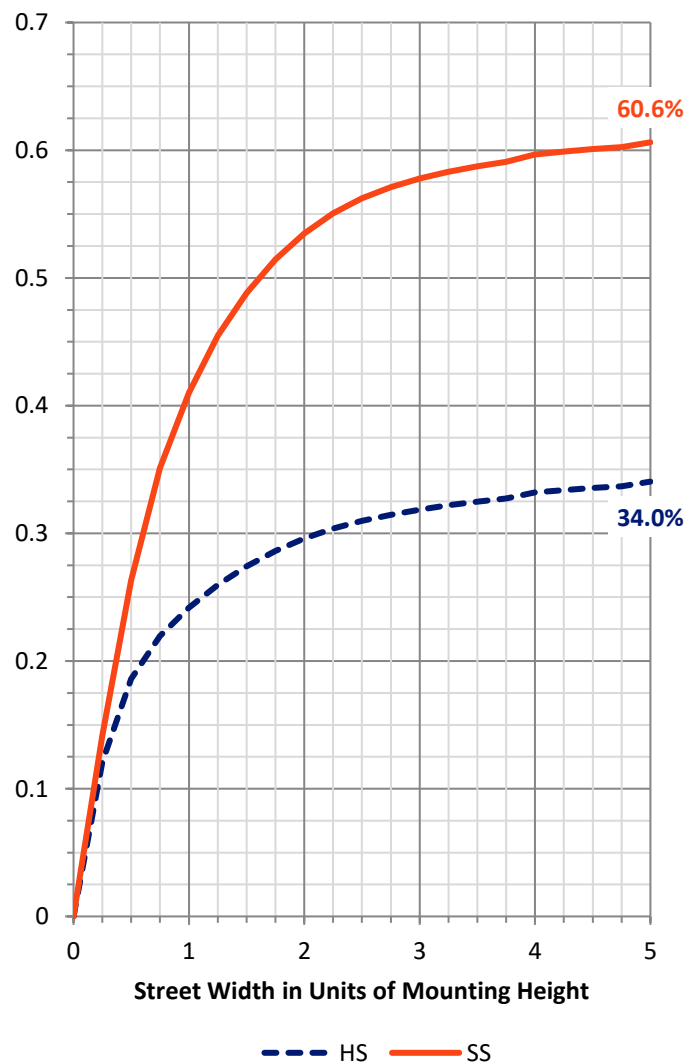
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4025.5	175.9	4201.4
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	6937.0	143.6	7080.6
	% Fixture	61.5	1.3	62.8
Total	Lumens	10962.5	319.5	11282.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	203.0	1.8
10°-20°	597.8	5.3
20°-30°	991.6	8.8
30°-40°	1372.3	12.2
40°-50°	1281.4	11.4
50°-60°	1914.7	17.0
60°-70°	2274.4	20.2
70°-80°	1669.3	14.8
80°-90°	658.1	5.8
90°-100°	231.8	2.1
100°-110°	54.8	0.5
110°-120°	21.1	0.2
120°-130°	10.8	0.1
130°-140°	1.0	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°	10962.5	97.2
0°-180°	11282.0	100.0

Coefficient of Utilization



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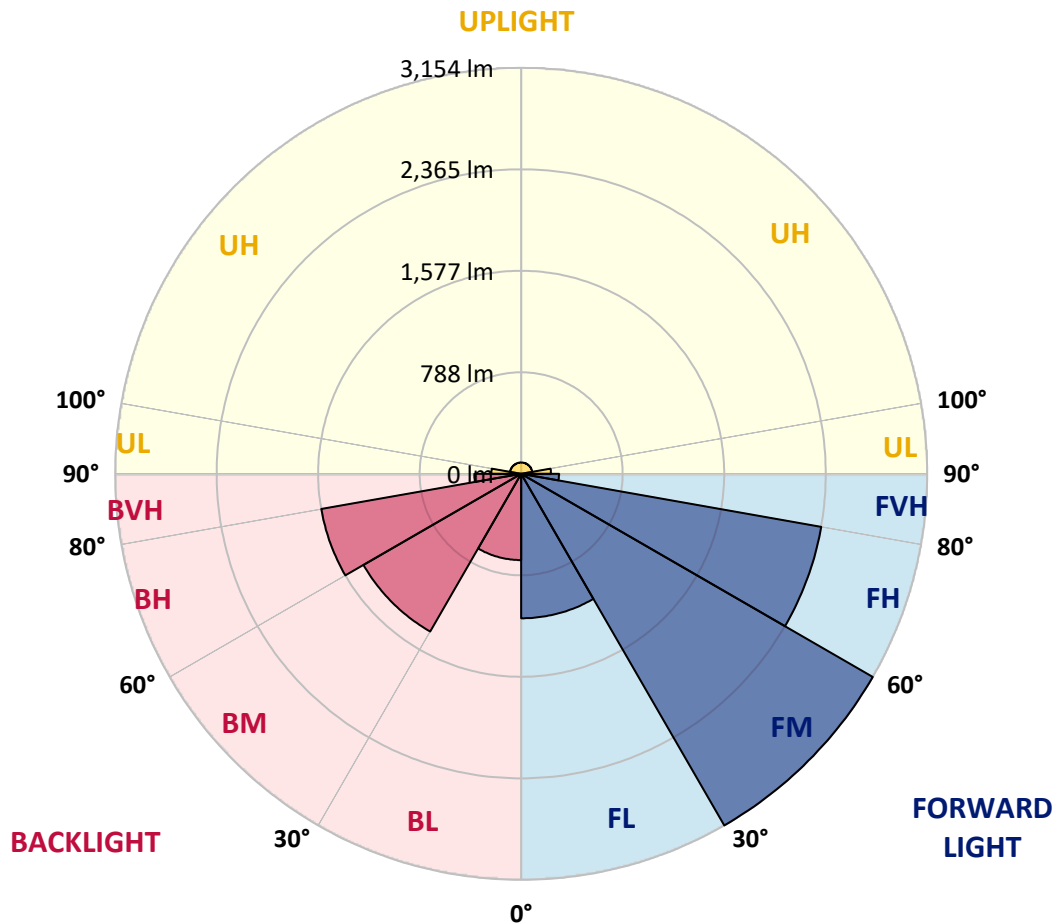
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1122.3	9.9			
FM	(30°-60°)	3153.8	28.0			
FH	(60°-80°)	2366.8	21.0			G2/5000
FVH	(80°-90°)	294.2	2.6			G3/500
BL	(0°-30°)	670.1	5.9	B2/1000		
BM	(30°-60°)	1414.6	12.5	B2/2500		
BH	(60°-80°)	1576.9	14.0	B3/2500		G3/2500
BVH	(80°-90°)	363.9	3.2			G3/500
UL	(90°-100°)	231.8	2.1		U3/500	
UH	(100°-180°)	87.7	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3
2.5°	2207.5	2192.3	2196.1	2192.3	2184.7	2177.1	2169.5	2161.9	2150.5	2139.1	2131.5
5°	2336.7	2321.5	2321.5	2321.5	2306.3	2283.5	2253.1	2234.1	2207.5	2177.1	2154.3
7.5°	2424.1	2412.7	2408.9	2405.1	2386.1	2370.9	2336.7	2275.9	2234.1	2196.1	2161.9
10°	2454.5	2454.5	2450.7	2439.3	2420.3	2401.3	2378.5	2321.5	2253.1	2188.5	2142.9
12.5°	2511.5	2519.1	2507.7	2488.7	2481.1	2458.3	2424.1	2378.5	2302.5	2203.7	2150.5
15°	2598.9	2595.1	2579.9	2576.1	2568.5	2541.9	2511.5	2454.5	2367.1	2241.7	2180.9
17.5°	2636.9	2633.1	2633.1	2633.1	2633.1	2614.1	2610.3	2545.7	2454.5	2302.5	2226.5
20°	2644.4	2644.4	2655.8	2682.4	2686.2	2682.4	2701.4	2659.6	2553.3	2378.5	2275.9
22.5°	2693.8	2697.6	2716.6	2743.2	2762.2	2769.8	2785.0	2804.0	2705.2	2500.1	2370.9
25°	2667.2	2686.2	2728.0	2769.8	2815.4	2842.0	2925.6	2990.2	2906.6	2678.6	2503.9
27.5°	2621.7	2636.9	2720.4	2796.4	2899.0	3009.2	3130.8	3214.4	3165.0	2899.0	2716.6
30°	2663.4	2663.4	2716.6	2842.0	2975.0	3176.4	3355.0	3446.1	3423.3	3130.8	2963.6
32.5°	2576.1	2598.9	2712.8	2895.2	3096.6	3358.8	3541.1	3712.1	3734.9	3430.9	3161.2
35°	2317.7	2367.1	2443.1	2682.4	3024.4	3480.3	3761.5	3978.1	4073.1	3772.9	3457.5
37.5°	1914.9	1933.9	2093.5	2332.9	2739.4	3191.6	3677.9	4206.0	4403.6	4031.3	3753.9
40°	1690.8	1702.2	1804.8	2013.7	2355.7	2800.2	3210.6	3753.9	3909.7	3871.7	3609.5
42.5°	1614.8	1633.8	1755.4	1956.7	2245.5	2553.3	2659.6	2895.2	2834.4	2997.8	3081.4
45°	1706.0	1717.4	1804.8	1979.5	2161.9	2294.9	2218.9	2386.1	2469.7	2792.6	2811.6
47.5°	1770.6	1778.2	1873.2	2093.5	2123.9	2127.7	2230.3	2329.1	2560.9	3260.0	3571.5
50°	1519.8	1557.8	1740.2	1930.1	1945.3	2245.5	2538.1	2735.6	3020.6	4293.4	4890.0
52.5°	1409.6	1428.6	1626.2	1956.7	2177.1	2526.7	2735.6	2933.2	3206.8	4741.8	5790.4
55°	1546.4	1576.8	1812.4	2180.9	2401.3	2640.7	2902.8	3146.0	3415.7	4973.5	6193.2
57.5°	1778.2	1835.2	2006.1	2230.3	2462.1	2678.6	2982.6	3263.8	3579.1	4988.7	6200.8
60°	2237.9	2196.1	2101.1	2199.9	2424.1	2671.0	3020.6	3320.8	3670.3	4984.9	6026.0
62.5°	2553.3	2492.5	2177.1	2131.5	2340.5	2591.3	2937.0	3313.2	3651.3	4817.8	5828.4
65°	2492.5	2450.7	2207.5	2040.3	2192.3	2462.1	2823.0	3267.6	3560.1	4639.2	5471.3
67.5°	2150.5	2101.1	1998.5	1933.9	2009.9	2325.3	2716.6	3176.4	3453.7	4434.0	5079.9
70°	1755.4	1728.8	1694.6	1763.0	1858.0	2154.3	2522.9	2978.8	3252.4	4042.7	4662.0
72.5°	1489.4	1474.2	1432.4	1504.6	1664.2	1930.1	2237.9	2693.8	3001.6	3514.5	4145.3
75°	1253.8	1257.6	1234.8	1280.4	1383.0	1645.2	1888.4	2332.9	2674.8	3016.8	3586.7
77.5°	1029.7	1018.3	1041.1	1067.7	1136.0	1326.0	1489.4	1877.0	2283.5	2393.7	2750.8
80°	752.3	771.3	813.1	809.3	866.3	949.9	1060.1	1265.2	1603.4	1713.6	1850.4
82.5°	531.9	554.7	592.7	550.9	558.5	581.3	630.7	725.7	904.3	1014.5	1128.5
85°	376.2	387.5	395.1	364.8	364.8	379.9	414.1	482.5	592.7	661.1	721.9
87.5°	273.6	277.4	292.6	277.4	281.2	288.8	319.2	364.8	455.9	505.3	554.7
90°	209.0	209.0	216.6	212.8	220.4	235.6	266.0	304.0	372.4	433.1	478.7
92.5°	152.0	152.0	159.6	163.4	167.2	186.2	212.8	243.2	288.8	364.8	410.3
95°	117.8	117.8	125.4	125.4	129.2	144.4	167.2	197.6	231.8	285.0	326.8
97.5°	87.4	87.4	95.0	95.0	98.8	110.2	129.2	148.2	178.6	212.8	231.8
100°	68.4	68.4	72.2	72.2	76.0	87.4	98.8	110.2	117.8	136.8	144.4
102.5°	57.0	57.0	57.0	57.0	57.0	64.6	68.4	68.4	72.2	83.6	87.4
105°	45.6	45.6	45.6	41.8	41.8	45.6	45.6	45.6	49.4	49.4	53.2
107.5°	34.2	34.2	34.2	34.2	34.2	38.0	38.0	38.0	38.0	41.8	41.8
110°	30.4	30.4	30.4	30.4	30.4	30.4	34.2	34.2	34.2	34.2	34.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	26.6	26.6	26.6	26.6	26.6	26.6	30.4	30.4	30.4	30.4	30.4
115°	22.8	22.8	22.8	22.8	22.8	26.6	30.4	26.6	26.6	26.6	26.6
117.5°	19.0	19.0	19.0	22.8	22.8	22.8	26.6	22.8	22.8	22.8	26.6
120°	15.2	15.2	19.0	19.0	19.0	19.0	19.0	19.0	22.8	22.8	22.8
122.5°	15.2	15.2	15.2	15.2	15.2	19.0	19.0	19.0	19.0	19.0	22.8
125°	11.4	11.4	11.4	15.2	15.2	15.2	15.2	15.2	15.2	19.0	19.0
127.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.2	15.2	15.2
130°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
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

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3	2116.3
2.5°	2123.9	2123.9	2101.1	2078.3	2055.5	2032.7	2013.7	2002.3	1987.1	1990.9	1990.9
5°	2142.9	2131.5	2082.1	2051.7	2017.5	1987.1	1956.7	1930.1	1922.5	1918.7	1903.5
7.5°	2146.7	2127.7	2074.5	2028.9	1964.3	1892.1	1858.0	1827.6	1808.6	1823.8	1816.2
10°	2120.1	2097.3	2036.5	1968.1	1877.0	1816.2	1763.0	1732.6	1717.4	1721.2	1717.4
12.5°	2127.7	2101.1	2002.3	1899.7	1823.8	1721.2	1656.6	1630.0	1611.0	1611.0	1599.6
15°	2158.1	2112.5	1971.9	1865.6	1740.2	1652.8	1576.8	1557.8	1550.2	1542.6	1531.2
17.5°	2188.5	2123.9	1968.1	1804.8	1664.2	1569.2	1493.2	1459.0	1440.0	1440.0	1436.2
20°	2226.5	2146.7	1945.3	1740.2	1592.0	1466.6	1375.4	1345.0	1329.8	1326.0	1318.4
22.5°	2291.1	2207.5	1933.9	1713.6	1497.0	1367.8	1280.4	1223.4	1193.0	1189.2	1189.2
25°	2420.3	2317.7	1956.7	1641.4	1432.4	1265.2	1158.8	1101.9	1067.7	1067.7	1063.9
27.5°	2625.5	2462.1	1990.9	1614.8	1310.8	1155.0	1044.9	957.5	927.1	927.1	930.9
30°	2826.8	2682.4	2078.3	1557.8	1242.4	1010.7	877.7	813.1	775.1	759.9	763.7
32.5°	3066.2	2914.2	2199.9	1519.8	1105.7	839.7	718.1	683.9	626.9	611.7	600.3
35°	3358.8	3138.4	2336.7	1466.6	999.3	714.3	615.5	547.1	520.5	501.5	497.7
37.5°	3556.3	3362.6	2458.3	1478.0	851.1	645.9	535.7	463.5	436.9	440.7	440.7
40°	3472.7	3248.6	2488.7	1402.0	725.7	562.3	448.3	406.5	391.3	395.1	398.9
42.5°	2902.8	2785.0	2059.3	1253.8	600.3	452.1	376.2	376.2	387.5	376.2	376.2
45°	2712.8	2416.5	1497.0	881.5	452.1	372.4	357.2	368.6	395.1	395.1	395.1
47.5°	3434.7	3100.4	1341.2	737.1	505.3	417.9	387.5	368.6	372.4	368.6	368.6
50°	4817.8	4293.4	1801.0	919.5	611.7	497.7	440.7	402.7	402.7	395.1	387.5
52.5°	5737.2	5186.3	2192.3	1151.2	767.5	581.3	505.3	436.9	414.1	398.9	395.1
55°	6307.2	5889.2	2530.5	1474.2	999.3	691.5	562.3	490.1	455.9	425.5	421.7
57.5°	6424.9	5938.6	2754.6	1770.6	1288.0	908.1	645.9	543.3	520.5	471.1	463.5
60°	6136.2	5813.2	2842.0	1964.3	1538.8	1196.8	843.5	630.7	581.3	547.1	539.5
62.5°	5934.8	5562.5	2811.6	2028.9	1694.6	1436.2	1109.5	775.1	634.5	638.3	672.5
65°	5596.7	5345.9	2587.5	1933.9	1687.0	1516.0	1246.2	896.7	653.5	645.9	687.7
67.5°	5209.1	5011.5	2363.3	1725.0	1554.0	1405.8	1158.8	854.9	619.3	581.3	585.1
70°	4711.4	4544.2	2135.3	1607.2	1432.4	1246.2	1006.9	740.9	611.7	550.9	550.9
72.5°	4137.7	3940.1	1945.3	1519.8	1367.8	1196.8	965.1	714.3	657.3	634.5	653.5
75°	3529.7	3279.0	1797.2	1436.2	1322.2	1196.8	961.3	714.3	657.3	638.3	638.3
77.5°	2845.8	2697.6	1637.6	1303.2	1231.0	1139.8	885.3	664.9	645.9	638.3	638.3
80°	1968.1	1945.3	1333.6	1132.3	1113.3	1079.1	832.1	642.1	642.1	630.7	615.5
82.5°	1208.2	1151.2	953.7	847.3	911.9	961.3	756.1	604.1	588.9	577.5	569.9
85°	782.7	786.5	668.7	592.7	630.7	733.3	638.3	547.1	524.3	531.9	531.9
87.5°	600.3	619.3	524.3	482.5	474.9	497.7	501.5	490.1	474.9	463.5	467.3
90°	516.7	524.3	421.7	387.5	383.7	391.3	391.3	414.1	414.1	376.2	353.4
92.5°	433.1	444.5	349.6	315.4	315.4	326.8	334.4	334.4	304.0	247.0	220.4
95°	342.0	349.6	277.4	250.8	254.6	254.6	250.8	239.4	186.2	110.2	98.8
97.5°	239.4	243.2	205.2	190.0	193.8	186.2	163.4	148.2	114.0	64.6	60.8
100°	152.0	155.8	129.2	125.4	136.8	121.6	106.4	98.8	68.4	41.8	49.4
102.5°	91.2	91.2	79.8	76.0	83.6	72.2	64.6	53.2	41.8	26.6	34.2
105°	53.2	53.2	49.4	49.4	49.4	45.6	41.8	34.2	22.8	19.0	19.0
107.5°	41.8	41.8	38.0	38.0	34.2	34.2	30.4	22.8	15.2	11.4	11.4
110°	34.2	34.2	30.4	30.4	30.4	26.6	22.8	19.0	11.4	7.6	7.6

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	30.4	30.4	26.6	26.6	22.8	22.8	19.0	15.2	11.4	7.6	7.6
115°	26.6	26.6	22.8	19.0	19.0	19.0	15.2	11.4	7.6	3.8	7.6
117.5°	26.6	26.6	19.0	15.2	15.2	15.2	11.4	11.4	7.6	3.8	3.8
120°	22.8	22.8	15.2	15.2	11.4	11.4	11.4	7.6	3.8	3.8	3.8
122.5°	19.0	19.0	15.2	11.4	11.4	11.4	7.6	7.6	3.8	3.8	3.8
125°	19.0	19.0	11.4	11.4	11.4	7.6	7.6	7.6	3.8	0.0	0.0
127.5°	15.2	15.2	11.4	11.4	7.6	7.6	7.6	3.8	3.8	0.0	0.0
130°	11.4	11.4	11.4	11.4	7.6	7.6	7.6	3.8	3.8	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	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)