

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: P691947

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691947
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-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11442 lumens
Efficiency: N/A
Efficacy: 144.8 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 (A_{in}): 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

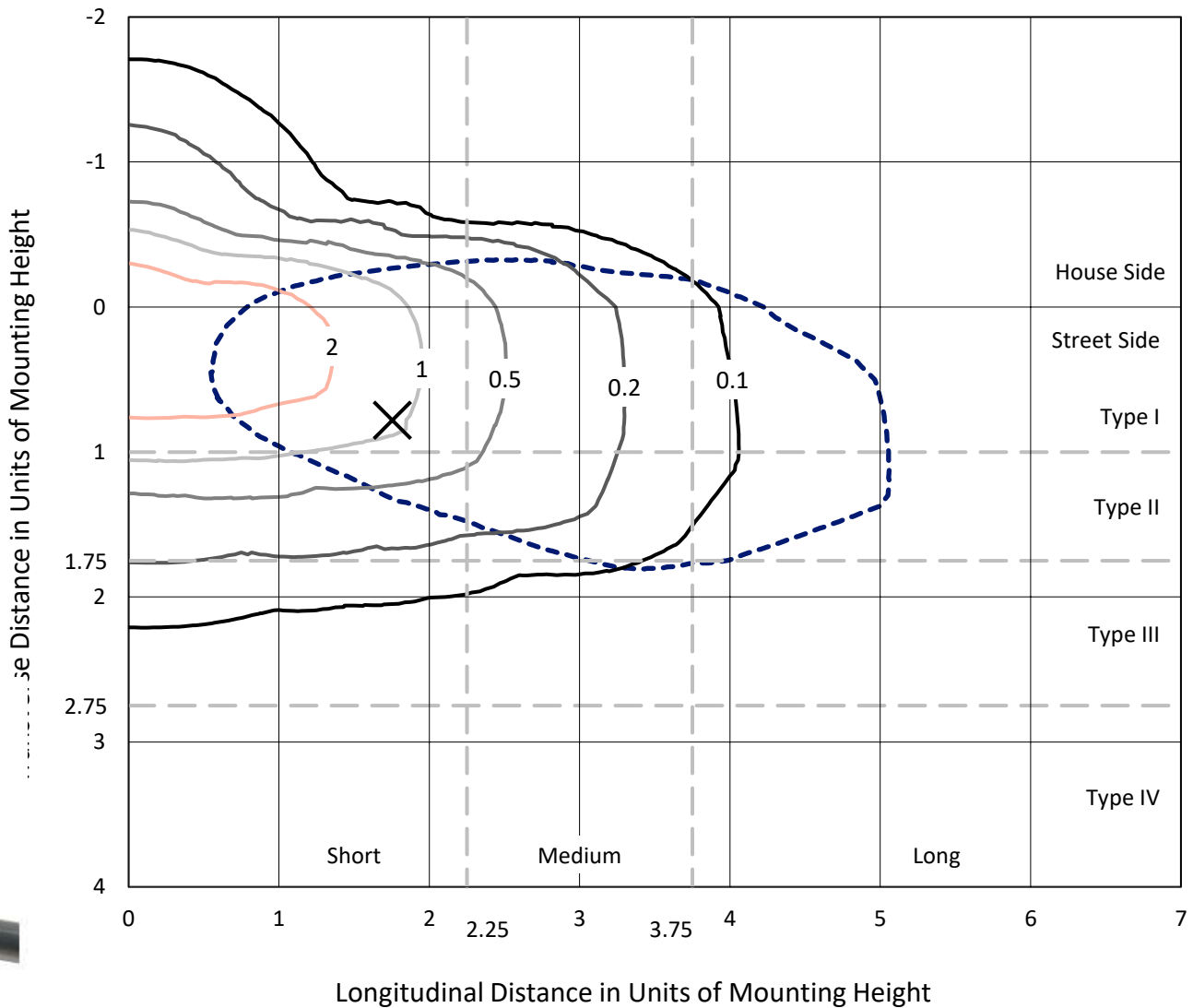


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Iso-Footcandle Lines of Horizontal Illumination

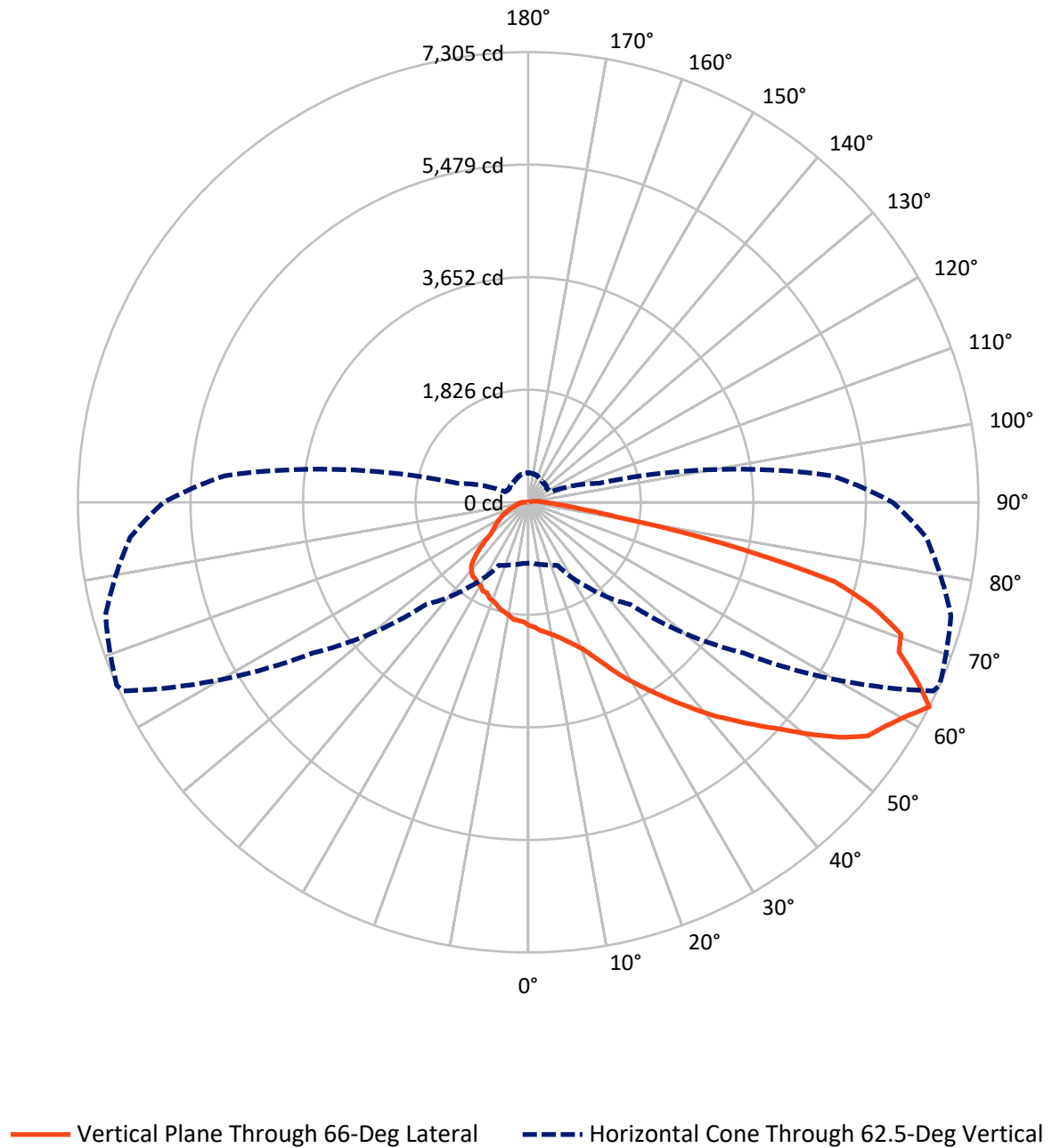
✕ Max cd
 - - - 1/2 Max cd



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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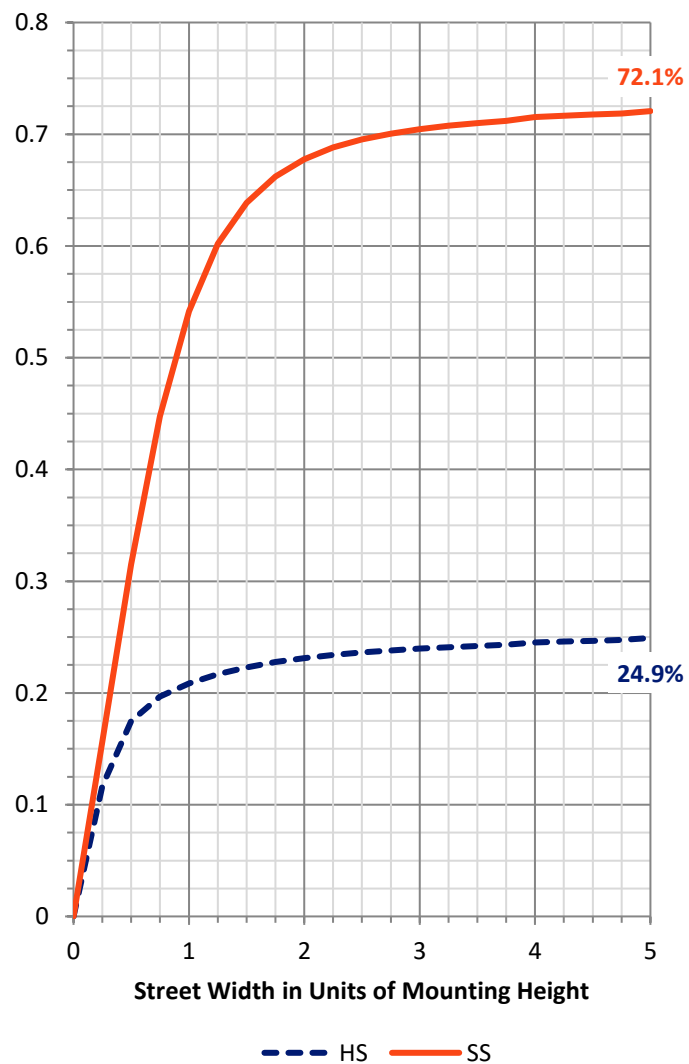
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2978.3	82.3	3060.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	8300.0	81.4	8381.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	11278.3	163.7	11442.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	192.2	1.7
10°-20°	575.3	5.0
20°-30°	973.5	8.5
30°-40°	1424.2	12.4
40°-50°	1861.6	16.3
50°-60°	2166.2	18.9
60°-70°	2167.2	18.9
70°-80°	1495.4	13.1
80°-90°	422.6	3.7
90°-100°	139.3	1.2
100°-110°	19.1	0.2
110°-120°	1.1	0.0
120°-130°	1.1	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°	11278.3	98.6
0°-180°	11442.0	100.0

Coefficient of Utilization



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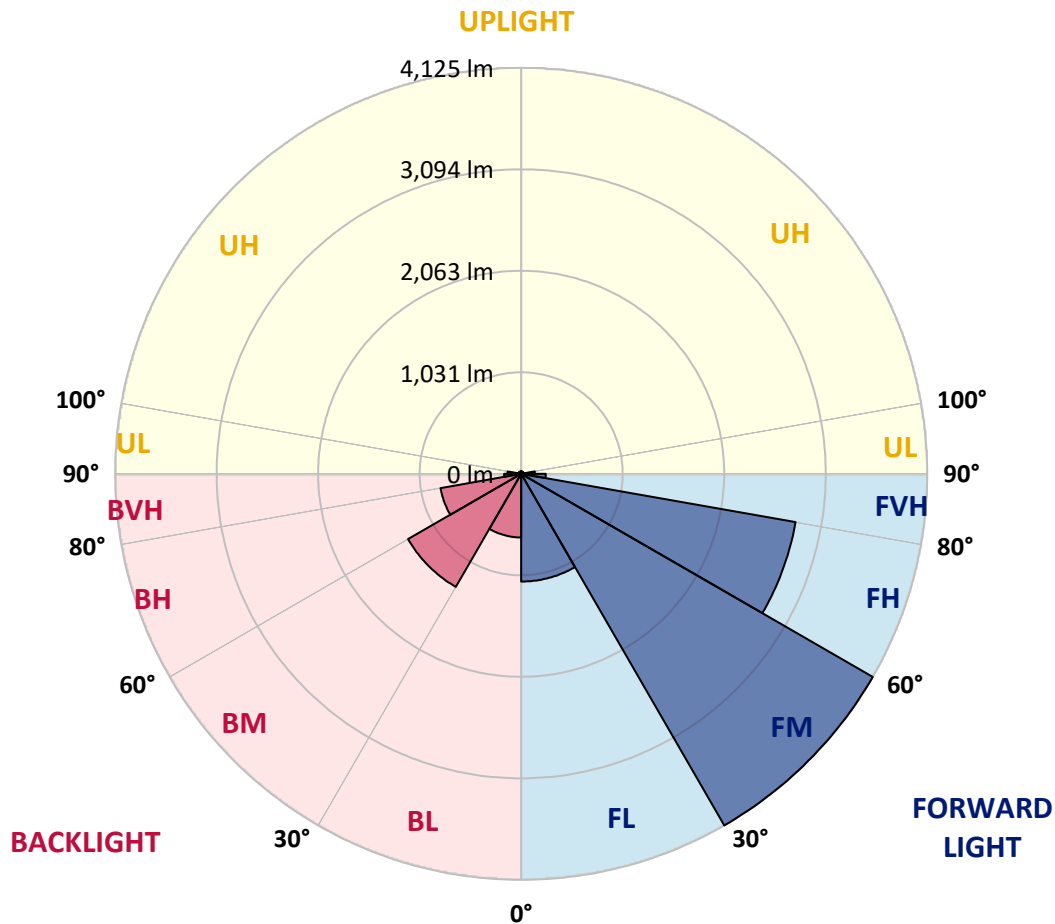
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1094.6	9.6			
FM	(30°-60°)	4125.1	36.1			
FH	(60°-80°)	2830.7	24.7			G2/5000
FVH	(80°-90°)	249.6	2.2			G3/500
BL	(0°-30°)	646.4	5.6	B2/1000		
BM	(30°-60°)	1327.0	11.6	B2/2500		
BH	(60°-80°)	831.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	173.0	1.5			G2/225
UL	(90°-100°)	139.3	1.2		U3/500	
UH	(100°-180°)	24.4	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°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	2101.7	2097.9	2097.9	2078.9	2059.9	2056.1	2044.7	2029.5	2029.5	2018.1	1999.1
5°	2227.2	2223.4	2227.2	2200.6	2174.0	2151.1	2113.1	2094.1	2090.3	2063.7	2025.7
7.5°	2314.6	2310.8	2307.0	2284.2	2272.8	2250.0	2196.8	2139.7	2132.1	2105.5	2056.1
10°	2348.8	2352.6	2371.6	2333.6	2310.8	2291.8	2261.4	2193.0	2185.4	2124.5	2048.5
12.5°	2440.0	2443.8	2432.4	2386.8	2379.2	2364.0	2314.6	2257.6	2250.0	2174.0	2067.5
15°	2535.0	2535.0	2519.8	2493.2	2474.2	2459.0	2398.2	2337.4	2333.6	2242.4	2116.9
17.5°	2576.8	2584.4	2588.2	2554.0	2546.4	2542.6	2512.2	2436.2	2428.6	2341.2	2185.4
20°	2603.4	2607.2	2611.0	2607.2	2611.0	2607.2	2622.4	2561.6	2542.6	2451.4	2261.4
22.5°	2656.6	2664.2	2690.8	2690.8	2702.2	2728.8	2717.4	2725.0	2717.4	2607.2	2390.6
25°	2683.2	2694.6	2728.8	2770.6	2820.1	2850.5	2892.3	2922.7	2926.5	2827.7	2588.2
27.5°	2641.4	2668.0	2755.4	2820.1	2934.1	3013.9	3112.7	3162.1	3169.7	3074.7	2801.1
30°	2694.6	2694.6	2747.8	2839.1	2979.7	3165.9	3317.9	3393.9	3401.5	3329.3	3013.9
32.5°	2595.8	2618.6	2740.2	2915.1	3116.5	3329.3	3477.6	3625.8	3644.8	3622.0	3317.9
35°	2584.4	2595.8	2671.8	2854.3	3124.1	3481.4	3686.6	3880.4	3918.4	3926.0	3610.6
37.5°	2478.0	2493.2	2633.8	2861.9	3230.5	3587.8	3850.0	4169.3	4203.5	4256.7	3865.2
40°	2345.0	2367.8	2481.8	2736.4	3200.1	3713.2	4024.8	4473.3	4522.7	4587.3	4199.7
42.5°	2170.1	2212.0	2405.8	2679.4	3184.9	3755.0	4192.1	4777.4	4823.0	4891.4	4480.9
45°	2021.9	2033.3	2189.2	2474.2	3063.3	3812.0	4347.9	5119.4	5149.8	5184.0	4709.0
47.5°	1888.9	1911.7	2044.7	2310.8	2934.1	3800.6	4484.7	5442.5	5495.7	5598.3	4986.4
50°	1493.6	1546.8	1923.1	2170.1	2736.4	3766.4	4598.7	5822.5	5910.0	5948.0	5301.9
52.5°	1292.2	1307.4	1497.4	2033.3	2516.0	3652.4	4697.6	6236.8	6335.6	6248.2	5681.9
55°	1193.4	1208.6	1296.0	1755.9	2345.0	3420.6	4773.6	6628.3	6689.1	6483.8	5963.2
57.5°	1140.2	1151.6	1197.2	1421.4	2135.9	3051.9	4781.2	6822.1	6844.9	6670.1	6107.6
60°	1049.0	1060.4	1140.2	1239.0	1904.1	2660.4	4648.1	6932.3	7050.1	6898.1	6385.0
62.5°	988.2	995.8	1049.0	1128.8	1679.9	2341.2	4260.5	7247.8	7304.8	7099.5	6480.0
65°	912.1	919.7	969.2	1041.4	1535.4	2162.5	4093.3	7118.5	6909.5	7050.1	6605.5
67.5°	824.7	836.1	881.7	942.6	1296.0	1987.7	3610.6	6635.9	6487.6	6799.3	6278.6
70°	744.9	752.5	801.9	836.1	1064.2	1759.7	2998.7	6259.6	6415.4	6411.6	5982.2
72.5°	657.5	665.1	706.9	737.3	889.3	1489.8	2379.2	5826.3	5871.9	5708.5	5294.3
75°	566.3	570.1	608.1	638.5	729.7	1193.4	1736.9	4819.2	5134.6	5457.7	4579.7
77.5°	456.1	467.5	497.9	513.1	585.3	954.0	1132.6	2854.3	3260.9	4800.2	4093.3
80°	342.1	342.1	364.9	372.5	433.3	710.7	714.5	1375.8	1478.4	3051.9	3040.5
82.5°	216.6	228.0	250.8	247.0	292.6	406.7	452.3	763.9	820.9	1208.6	1349.2
85°	174.8	178.6	193.8	182.4	193.8	220.4	254.6	482.7	501.7	737.3	733.5
87.5°	144.4	148.2	159.6	152.0	155.8	167.2	197.6	323.1	330.7	475.1	490.3
90°	110.2	114.0	129.2	125.4	121.6	136.8	163.4	247.0	258.4	376.3	402.9
92.5°	72.2	72.2	83.6	83.6	83.6	98.8	144.4	190.0	197.6	342.1	361.1
95°	53.2	53.2	57.0	60.8	57.0	72.2	106.4	171.0	186.2	319.3	311.7
97.5°	34.2	34.2	38.0	41.8	38.0	45.6	60.8	121.6	136.8	247.0	243.2
100°	22.8	22.8	22.8	22.8	22.8	22.8	34.2	79.8	91.2	155.8	152.0
102.5°	15.2	15.2	15.2	15.2	11.4	11.4	15.2	38.0	41.8	83.6	79.8
105°	3.8	3.8	7.6	7.6	7.6	3.8	3.8	15.2	19.0	34.2	34.2
107.5°	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	3.8	3.8
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	3.8
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	3.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	3.8	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	3.8	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°	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1	1999.1
2.5°	1991.5	1980.1	1961.1	1942.1	1930.7	1919.3	1900.3	1885.1	1885.1	1904.1	1904.1
5°	1999.1	1976.3	1938.3	1923.1	1904.1	1877.5	1847.1	1824.3	1812.9	1828.1	1831.9
7.5°	2018.1	1983.9	1945.9	1911.7	1847.1	1797.7	1771.1	1740.7	1736.9	1752.1	1759.7
10°	2002.9	1968.7	1923.1	1858.5	1790.1	1752.1	1702.7	1664.7	1664.7	1653.3	1660.9
12.5°	2018.1	1972.5	1881.3	1812.9	1752.1	1668.5	1607.7	1569.7	1565.9	1577.3	1577.3
15°	2056.1	1987.7	1869.9	1786.3	1687.5	1603.9	1543.0	1501.2	1512.6	1489.8	1493.6
17.5°	2101.7	1999.1	1869.9	1725.5	1615.3	1535.4	1451.8	1402.4	1406.2	1410.0	1413.8
20°	2158.7	2029.5	1850.9	1679.9	1546.8	1432.8	1337.8	1299.8	1288.4	1296.0	1299.8
22.5°	2246.2	2097.9	1843.3	1657.1	1451.8	1341.6	1258.0	1182.0	1174.4	1174.4	1174.4
25°	2390.6	2200.6	1877.5	1581.1	1402.4	1235.2	1140.2	1068.0	1033.8	1037.6	1041.4
27.5°	2611.0	2364.0	1911.7	1584.9	1288.4	1140.2	1022.4	942.6	923.5	927.3	931.2
30°	2842.9	2584.4	1999.1	1508.8	1223.8	995.8	874.1	817.1	794.3	782.9	786.7
32.5°	3021.5	2778.2	2120.7	1486.0	1106.0	839.9	763.9	718.3	687.9	676.5	676.5
35°	3306.5	2968.3	2219.6	1429.0	984.4	741.1	680.3	630.9	615.7	608.1	608.1
37.5°	3549.8	3177.3	2322.2	1406.2	836.1	665.1	589.1	558.7	558.7	551.1	547.3
40°	3812.0	3397.7	2379.2	1337.8	722.1	585.3	509.3	505.5	516.9	516.9	516.9
42.5°	4127.5	3625.8	2440.0	1258.0	634.7	494.1	452.3	482.7	509.3	516.9	516.9
45°	4363.1	3770.2	2466.6	1087.0	547.3	429.5	444.7	475.1	509.3	520.7	516.9
47.5°	4564.5	3979.2	2428.6	877.9	471.3	418.1	437.1	463.7	505.5	520.7	520.7
50°	4766.0	4157.9	2402.0	634.7	440.9	418.1	437.1	448.5	494.1	513.1	513.1
52.5°	5062.4	4298.5	2295.6	532.1	418.1	421.9	444.7	444.7	486.5	509.3	520.7
55°	5442.5	4621.5	2094.1	497.9	410.5	418.1	448.5	448.5	478.9	501.7	509.3
57.5°	5598.3	4735.6	1748.3	467.5	402.9	418.1	437.1	444.7	482.7	497.9	494.1
60°	5803.5	4921.8	1432.8	437.1	387.7	410.5	421.9	448.5	478.9	482.7	478.9
62.5°	5913.8	4944.6	1185.8	406.7	376.3	399.1	402.9	433.3	463.7	475.1	478.9
65°	5974.6	4921.8	877.9	376.3	364.9	383.9	387.7	414.3	444.7	452.3	456.1
67.5°	5754.1	4766.0	608.1	345.9	353.5	364.9	372.5	399.1	421.9	444.7	452.3
70°	5358.9	4313.7	433.3	307.8	334.5	345.9	361.1	387.7	410.5	440.9	448.5
72.5°	4921.8	3473.8	319.3	262.2	307.8	323.1	349.7	368.7	402.9	440.9	452.3
75°	4511.3	3048.1	254.6	224.2	262.2	296.4	330.7	357.3	406.7	539.7	558.7
77.5°	3200.1	2059.9	228.0	197.6	224.2	258.4	304.0	349.7	566.3	642.3	646.1
80°	2322.2	1212.4	205.2	174.8	193.8	209.0	277.4	429.5	627.1	592.9	592.9
82.5°	1163.0	649.9	193.8	155.8	167.2	171.0	247.0	547.3	505.5	528.3	532.1
85°	562.5	315.5	159.6	136.8	144.4	140.6	231.8	520.7	478.9	482.7	475.1
87.5°	353.5	193.8	125.4	114.0	117.8	114.0	220.4	497.9	501.7	410.5	418.1
90°	319.3	228.0	98.8	91.2	79.8	95.0	197.6	463.7	490.3	296.4	247.0
92.5°	307.8	247.0	72.2	64.6	57.0	76.0	148.2	376.3	300.2	125.4	76.0
95°	273.6	216.6	60.8	45.6	53.2	64.6	95.0	250.8	201.4	0.0	0.0
97.5°	205.2	159.6	49.4	30.4	171.0	57.0	53.2	163.4	57.0	0.0	0.0
100°	129.2	98.8	38.0	22.8	193.8	38.0	34.2	95.0	0.0	0.0	0.0
102.5°	72.2	53.2	19.0	15.2	83.6	19.0	22.8	22.8	0.0	0.0	0.0
105°	30.4	26.6	7.6	7.6	7.6	3.8	11.4	0.0	0.0	0.0	0.0
107.5°	7.6	11.4	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	3.8	3.8	3.8	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°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
120°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
122.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0
130°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
132.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
135°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
137.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
140°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
142.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
145°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
147.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
150°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
152.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
155°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
157.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
160°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0
162.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
165°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
167.5°	3.8	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.8	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.8	3.8	3.8	3.8	3.8	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)