

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: P691795

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691795
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-C01H-5TLD-U-T3-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10204.9 lumens
Efficiency: N/A
Efficacy: 136.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

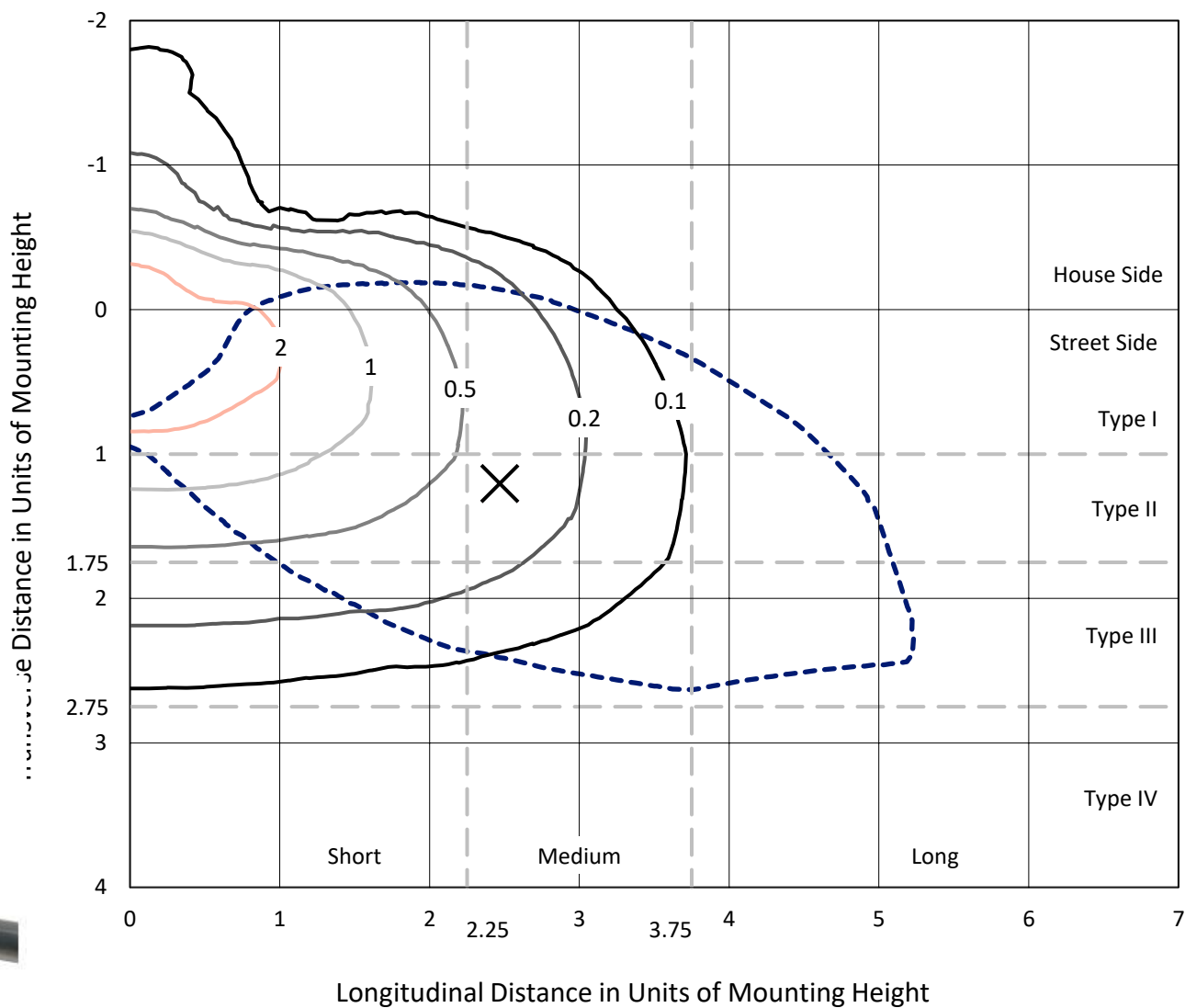
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

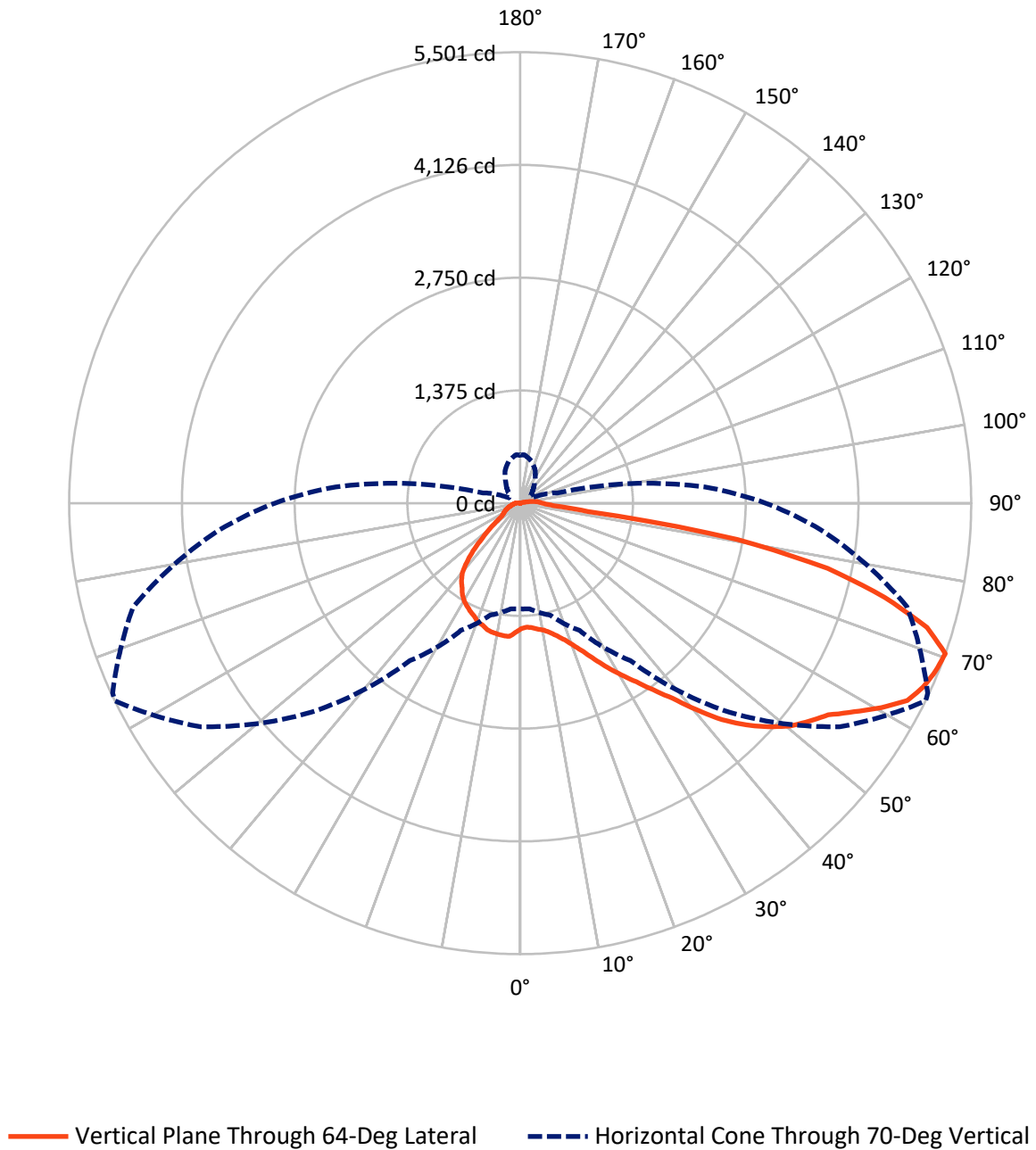
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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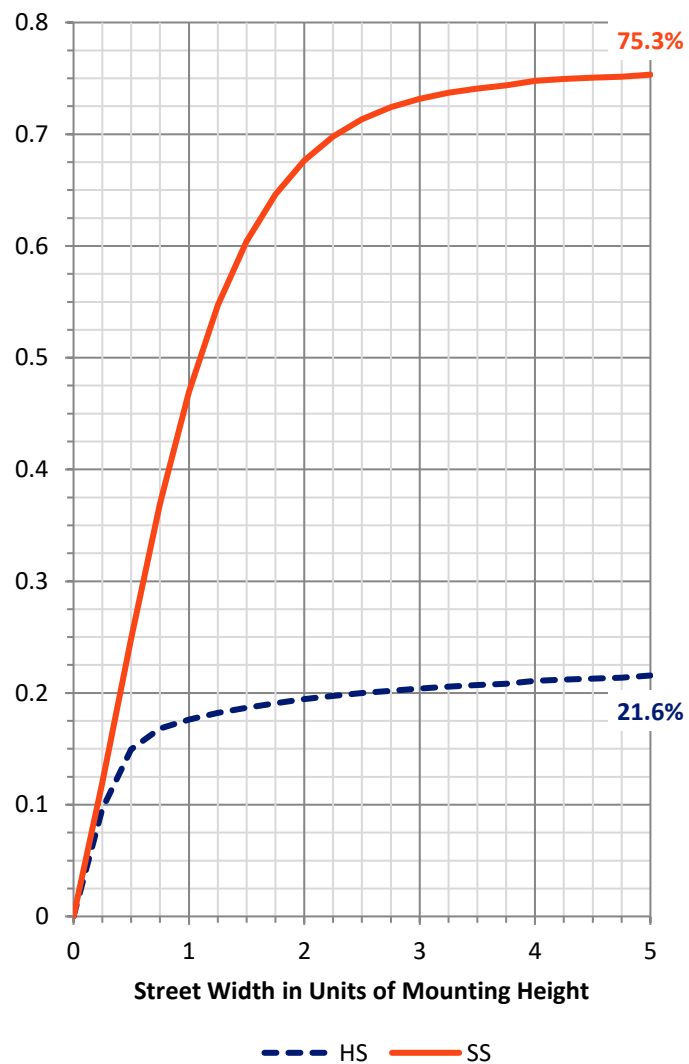
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2326.4	63.0	2389.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7734.2	81.4	7815.5
	% Fixture	75.8	0.8	76.6
Total	Lumens	10060.6	144.3	10204.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.6	1.5
10°-20°	475.1	4.7
20°-30°	824.3	8.1
30°-40°	1196.1	11.7
40°-50°	1605.2	15.7
50°-60°	1940.8	19.0
60°-70°	2089.2	20.5
70°-80°	1434.9	14.1
80°-90°	342.4	3.4
90°-100°	123.9	1.2
100°-110°	15.5	0.2
110°-120°	1.1	0.0
120°-130°	1.1	0.0
130°-140°	0.9	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	10060.6	98.6
0°-180°	10204.9	100.0

Coefficient of Utilization



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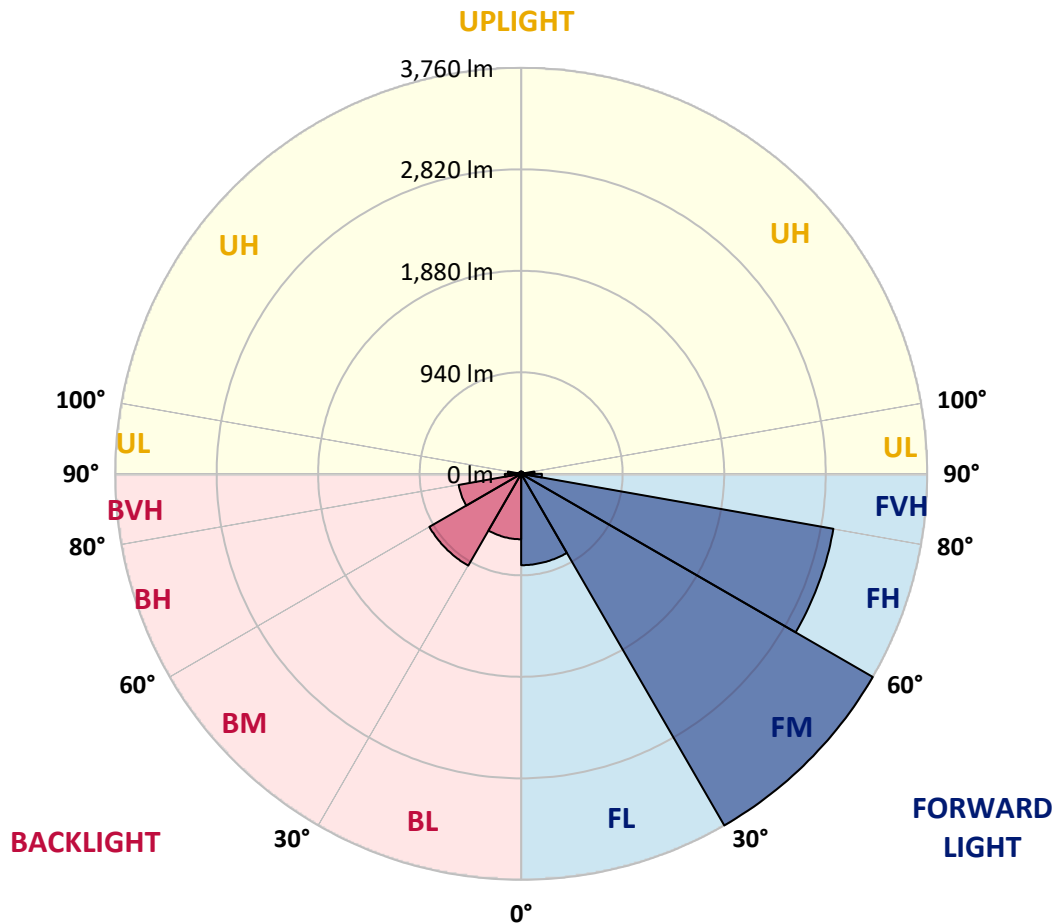
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	846.1	8.3			
FM	(30°-60°)	3760.3	36.8			
FH	(60°-80°)	2936.2	28.8			G2/5000
FVH	(80°-90°)	191.5	1.9			G2/225
BL	(0°-30°)	605.9	5.9	B2/1000		
BM	(30°-60°)	981.8	9.6	B1/1000		
BH	(60°-80°)	587.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	150.8	1.5			G2/225
UL	(90°-100°)	123.9	1.2		U3/500	
UH	(100°-180°)	20.4	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°	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5
2.5°	1518.2	1518.2	1514.8	1514.8	1518.2	1521.5	1518.2	1514.8	1518.2	1521.5	1531.5
5°	1578.4	1575.0	1571.7	1558.3	1544.9	1534.9	1528.2	1524.9	1528.2	1541.6	1565.0
7.5°	1618.5	1615.1	1615.1	1611.8	1598.4	1571.7	1555.0	1551.6	1551.6	1555.0	1585.0
10°	1702.1	1695.4	1682.0	1658.6	1645.2	1611.8	1581.7	1575.0	1575.0	1581.7	1618.5
12.5°	1792.4	1779.0	1782.3	1755.6	1715.5	1678.7	1635.2	1618.5	1611.8	1618.5	1638.5
15°	1916.1	1906.1	1879.3	1849.2	1809.1	1758.9	1705.4	1678.7	1675.3	1685.4	1668.6
17.5°	2006.4	1993.0	1996.4	1952.9	1919.4	1852.6	1802.4	1752.2	1752.2	1765.6	1722.1
20°	2100.0	2093.3	2103.4	2093.3	2043.2	1983.0	1909.4	1849.2	1839.2	1845.9	1782.3
22.5°	2220.4	2210.4	2210.4	2213.7	2173.6	2113.4	2026.5	1966.3	1962.9	1936.2	1849.2
25°	2344.1	2334.1	2330.8	2337.4	2330.8	2260.5	2170.2	2110.1	2100.0	2063.2	1939.5
27.5°	2461.2	2461.2	2464.5	2471.2	2481.2	2424.4	2337.4	2270.6	2270.6	2230.4	2059.9
30°	2548.1	2548.1	2578.2	2591.6	2601.6	2588.2	2494.6	2431.1	2437.8	2384.3	2197.0
32.5°	2628.4	2631.7	2665.2	2698.6	2708.6	2718.7	2638.4	2598.3	2598.3	2548.1	2344.1
35°	2708.6	2708.6	2755.4	2822.3	2855.8	2845.7	2808.9	2795.6	2798.9	2788.9	2561.5
37.5°	2772.2	2778.8	2849.1	2932.7	2979.5	2996.2	2976.1	3019.6	3059.7	3089.8	2845.7
40°	2835.7	2835.7	2902.6	2992.9	3076.5	3123.3	3150.0	3313.9	3344.0	3354.0	3006.2
42.5°	2768.8	2785.5	2926.0	3059.7	3166.7	3247.0	3367.4	3611.5	3648.3	3534.6	3223.6
45°	2705.3	2725.3	2865.8	3089.8	3243.7	3404.2	3611.5	3859.0	3889.0	3718.5	3354.0
47.5°	2641.7	2665.2	2819.0	3063.1	3313.9	3578.1	3802.1	4076.3	4089.7	3869.0	3501.1
50°	2574.9	2598.3	2762.1	3033.0	3357.4	3755.3	3992.7	4273.6	4273.6	4002.7	3588.1
52.5°	2491.3	2518.0	2685.2	2986.2	3390.8	3875.7	4166.6	4417.4	4390.6	4163.3	3685.1
55°	2384.3	2421.0	2598.3	2919.3	3404.2	3939.2	4276.9	4557.8	4551.2	4360.5	3808.8
57.5°	2270.6	2300.7	2491.3	2832.4	3390.8	3982.7	4394.0	4802.0	4812.0	4531.1	3905.8
60°	2143.5	2163.6	2347.5	2712.0	3303.9	4059.6	4658.2	5062.8	5076.2	4688.3	3942.6
62.5°	1976.3	1989.7	2163.6	2548.1	3186.8	4109.8	4848.8	5300.2	5293.5	4828.7	3949.2
65°	1765.6	1782.3	1946.2	2330.8	3012.9	4076.3	4895.6	5403.9	5410.6	4895.6	3939.2
67.5°	1561.6	1571.7	1708.8	2043.2	2732.0	3915.8	4848.8	5464.1	5494.2	4952.4	3842.2
70°	1290.8	1294.1	1414.5	1712.1	2344.1	3608.2	4755.1	5500.8	5484.1	4885.6	3675.0
72.5°	993.2	996.5	1086.8	1310.8	1822.5	3073.1	4424.1	5189.9	5159.8	4517.7	3313.9
75°	705.6	719.0	772.5	919.6	1220.6	2243.8	3785.4	4594.6	4614.7	4019.5	2762.1
77.5°	401.3	414.7	458.1	575.2	702.2	1257.3	2859.1	3832.2	3845.6	3380.8	2120.1
80°	173.9	177.2	194.0	274.2	374.5	601.9	1464.7	2685.2	2879.2	2297.3	1210.5
82.5°	147.1	147.1	153.8	160.5	163.9	274.2	568.5	832.7	859.4	678.8	394.6
85°	127.1	127.1	133.8	140.4	143.8	187.3	344.4	418.0	434.7	387.9	277.6
87.5°	100.3	100.3	110.4	117.0	117.0	153.8	257.5	311.0	321.0	311.0	247.5
90°	90.3	90.3	86.9	86.9	90.3	110.4	200.6	260.8	270.9	331.1	284.2
92.5°	76.9	80.3	80.3	80.3	70.2	80.3	143.8	230.7	250.8	327.7	257.5
95°	76.9	73.6	73.6	70.2	66.9	70.2	107.0	200.6	224.0	284.2	217.4
97.5°	53.5	50.2	53.5	56.8	60.2	63.5	90.3	147.1	163.9	220.7	160.5
100°	33.4	33.4	33.4	33.4	40.1	43.5	73.6	90.3	100.3	140.4	107.0
102.5°	20.1	16.7	16.7	16.7	20.1	26.8	36.8	50.2	53.5	80.3	63.5
105°	6.7	6.7	6.7	6.7	10.0	13.4	13.4	20.1	20.1	26.8	26.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3

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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	3.3	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
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°	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5	1531.5
2.5°	1538.2	1544.9	1558.3	1575.0	1595.1	1611.8	1625.2	1628.5	1635.2	1635.2	1641.9
5°	1571.7	1585.0	1605.1	1628.5	1638.5	1631.9	1631.9	1635.2	1641.9	1658.6	1665.3
7.5°	1608.5	1618.5	1618.5	1628.5	1648.6	1641.9	1638.5	1635.2	1635.2	1628.5	1638.5
10°	1621.8	1608.5	1625.2	1621.8	1615.1	1628.5	1631.9	1611.8	1615.1	1615.1	1618.5
12.5°	1625.2	1625.2	1611.8	1611.8	1611.8	1581.7	1575.0	1591.7	1575.0	1581.7	1578.4
15°	1662.0	1635.2	1618.5	1598.4	1571.7	1561.6	1538.2	1511.5	1511.5	1518.2	1518.2
17.5°	1688.7	1662.0	1611.8	1558.3	1548.3	1501.4	1484.7	1478.0	1474.7	1478.0	1484.7
20°	1728.8	1688.7	1605.1	1551.6	1464.7	1447.9	1417.8	1414.5	1407.8	1384.4	1377.7
22.5°	1782.3	1718.8	1601.8	1494.8	1424.5	1367.7	1314.2	1280.7	1277.4	1260.7	1250.6
25°	1842.5	1779.0	1615.1	1468.0	1351.0	1267.4	1223.9	1147.0	1110.2	1123.6	1116.9
27.5°	1966.3	1849.2	1638.5	1431.2	1290.8	1160.4	1060.0	1013.2	966.4	966.4	973.1
30°	2080.0	1939.5	1638.5	1397.8	1190.5	1033.3	902.9	829.3	809.2	795.9	789.2
32.5°	2250.5	2053.2	1708.8	1351.0	1096.8	869.4	722.3	635.4	638.7	652.1	648.7
35°	2447.8	2233.8	1728.8	1284.1	959.7	705.6	558.4	511.6	538.4	545.1	545.1
37.5°	2685.2	2454.5	1819.1	1230.6	815.9	521.7	441.4	421.3	444.7	441.4	454.8
40°	2815.6	2561.5	1896.0	1163.7	625.3	384.6	341.1	327.7	364.5	394.6	401.3
42.5°	2999.5	2688.6	1969.6	1036.6	424.7	280.9	260.8	304.3	357.8	391.2	394.6
45°	3099.9	2762.1	1939.5	879.5	270.9	227.4	254.1	307.6	364.5	397.9	401.3
47.5°	3220.3	2859.1	1886.0	685.5	217.4	224.0	257.5	314.3	374.5	404.6	404.6
50°	3340.6	2956.1	1755.6	538.4	204.0	220.7	264.2	317.7	371.2	391.2	391.2
52.5°	3410.9	3039.7	1601.8	391.2	200.6	220.7	267.5	321.0	367.8	377.9	377.9
55°	3474.4	3046.4	1468.0	290.9	197.3	224.0	270.9	327.7	371.2	381.2	377.9
57.5°	3511.2	3002.9	1374.4	250.8	194.0	224.0	274.2	334.4	397.9	421.3	414.7
60°	3491.1	2936.0	1304.2	234.1	190.6	224.0	277.6	354.5	504.9	545.1	531.7
62.5°	3457.7	2889.2	1157.0	214.0	183.9	224.0	280.9	401.3	561.8	581.9	565.1
65°	3414.2	2752.1	989.8	194.0	177.2	220.7	284.2	434.7	535.0	535.0	531.7
67.5°	3233.6	2568.2	739.0	173.9	167.2	220.7	290.9	428.0	515.0	558.4	558.4
70°	2992.9	2260.5	488.2	153.8	157.2	214.0	304.3	434.7	531.7	591.9	585.2
72.5°	2534.7	1876.0	270.9	133.8	143.8	210.7	304.3	461.5	575.2	642.0	632.0
75°	2069.9	1387.8	194.0	120.4	130.4	204.0	307.6	478.2	615.3	685.5	668.8
77.5°	1458.0	795.9	153.8	103.7	117.0	194.0	304.3	471.5	635.4	698.9	678.8
80°	615.3	287.6	127.1	93.6	100.3	173.9	280.9	451.4	635.4	739.0	729.0
82.5°	277.6	204.0	110.4	83.6	93.6	143.8	260.8	434.7	615.3	742.4	802.6
85°	217.4	167.2	93.6	73.6	83.6	137.1	234.1	414.7	588.5	685.5	752.4
87.5°	207.3	167.2	83.6	66.9	76.9	117.0	180.6	384.6	528.3	632.0	685.5
90°	224.0	173.9	66.9	56.8	70.2	103.7	147.1	324.4	458.1	555.1	555.1
92.5°	207.3	160.5	50.2	43.5	73.6	83.6	140.4	200.6	331.1	277.6	344.4
95°	173.9	133.8	33.4	30.1	70.2	70.2	76.9	93.6	230.7	6.7	0.0
97.5°	127.1	97.0	20.1	16.7	53.5	56.8	36.8	43.5	93.6	0.0	0.0
100°	93.6	63.5	13.4	13.4	33.4	46.8	23.4	23.4	0.0	0.0	0.0
102.5°	50.2	33.4	10.0	6.7	16.7	26.8	10.0	6.7	0.0	0.0	0.0
105°	26.8	13.4	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
107.5°	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	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°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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)