

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: P691887

Luminaire Tested: **CRTK2-C01H-D-U-T3-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691887
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-D-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: 9858 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

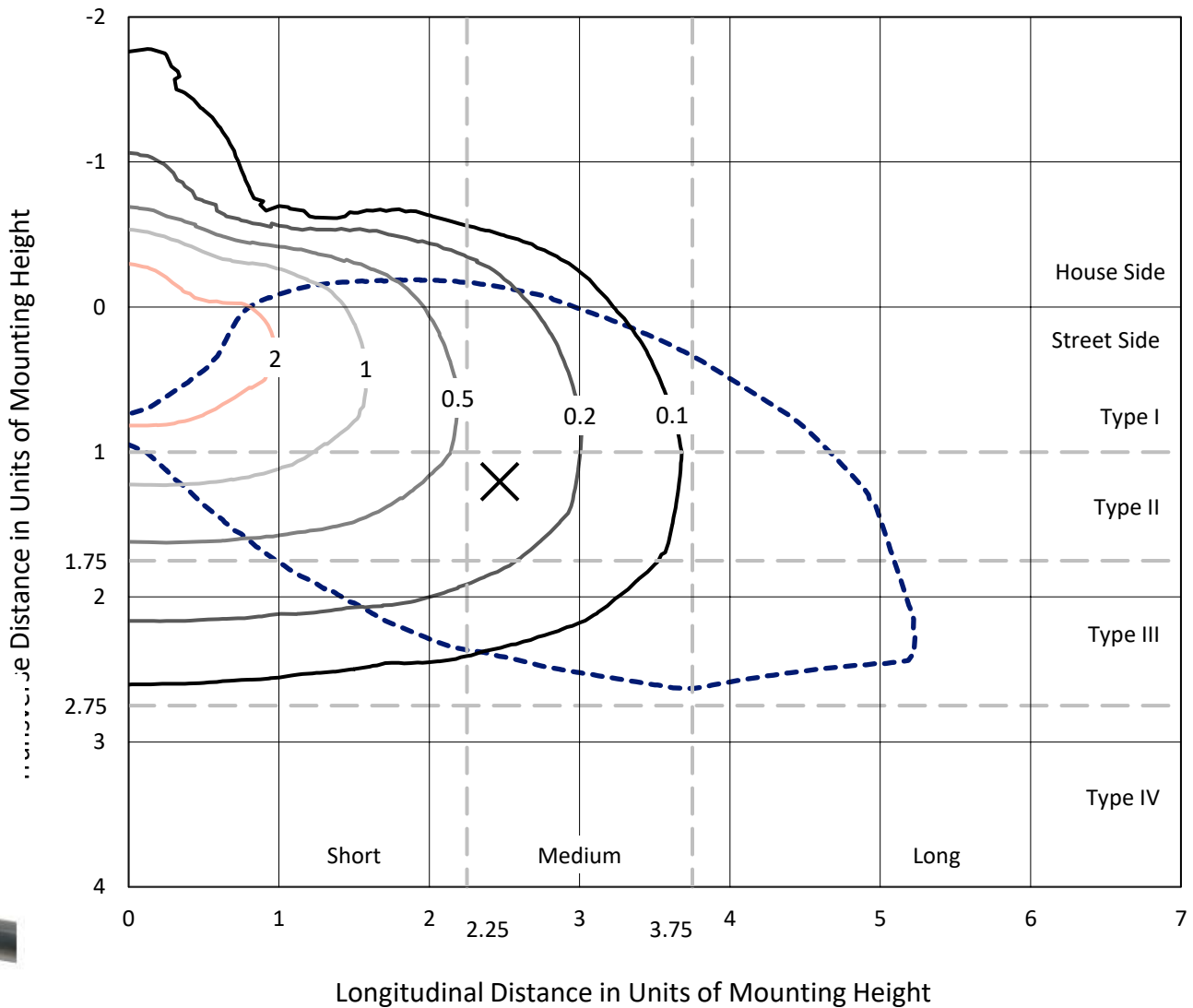
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

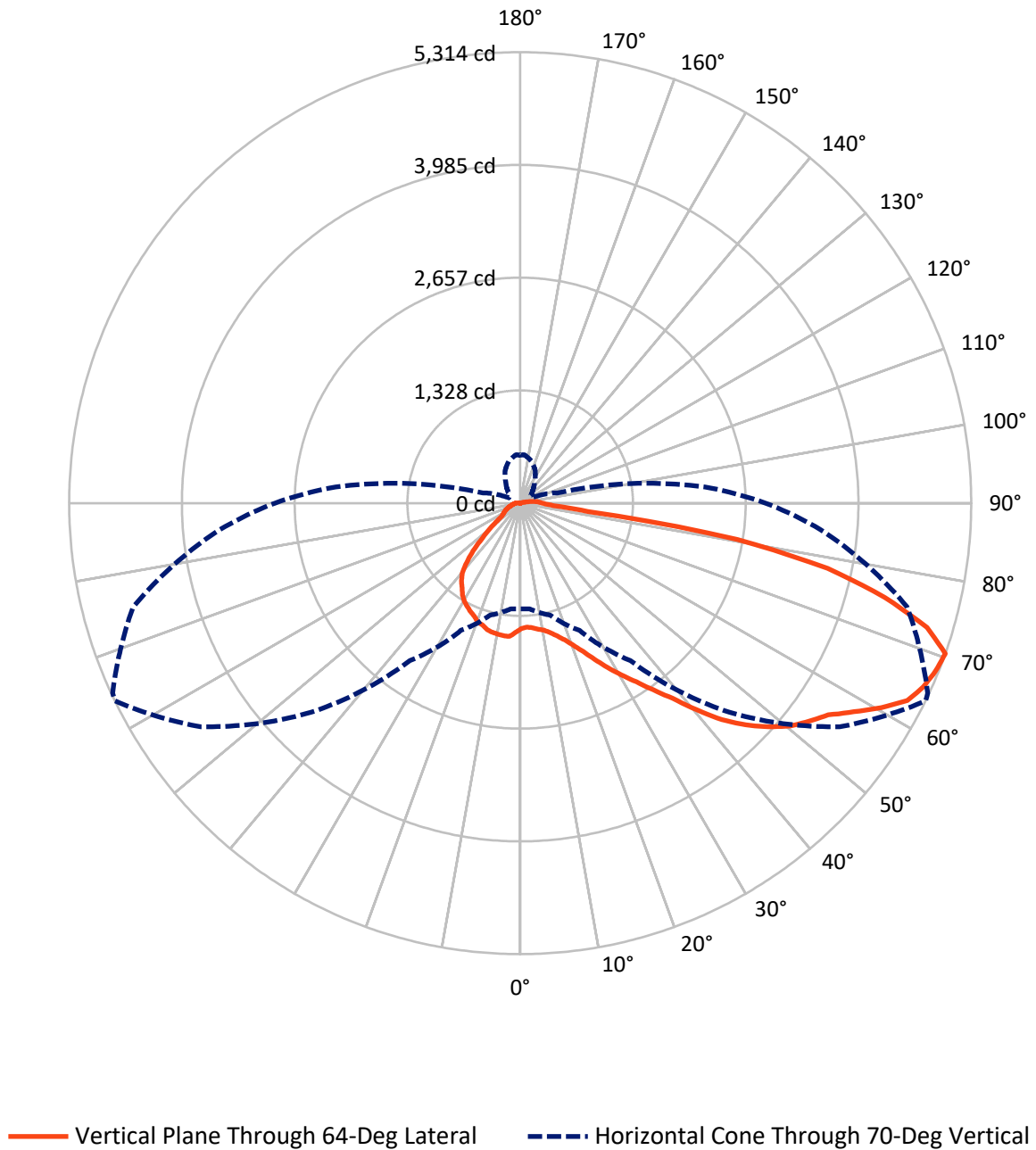
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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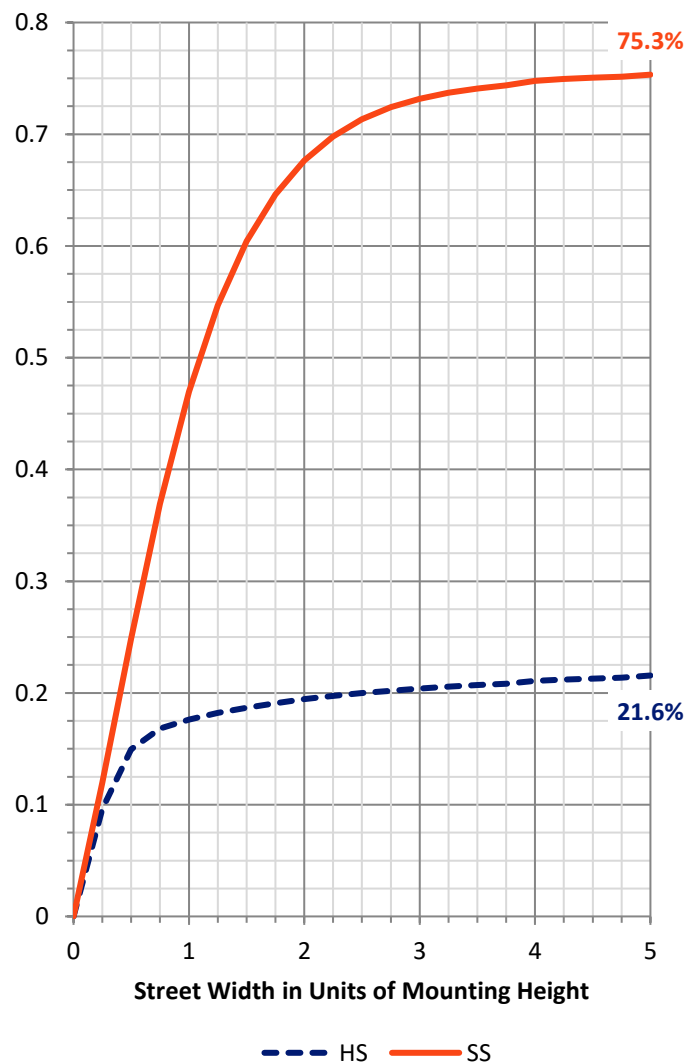
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2247.3	60.9	2308.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7471.2	78.6	7549.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	9718.5	139.5	9858.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	147.4	1.5
10°-20°	459.0	4.7
20°-30°	796.2	8.1
30°-40°	1155.5	11.7
40°-50°	1550.6	15.7
50°-60°	1874.8	19.0
60°-70°	2018.1	20.5
70°-80°	1386.1	14.1
80°-90°	330.7	3.4
90°-100°	119.7	1.2
100°-110°	15.0	0.2
110°-120°	1.1	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9718.5	98.6
0°-180°	9858.0	100.0

Coefficient of Utilization



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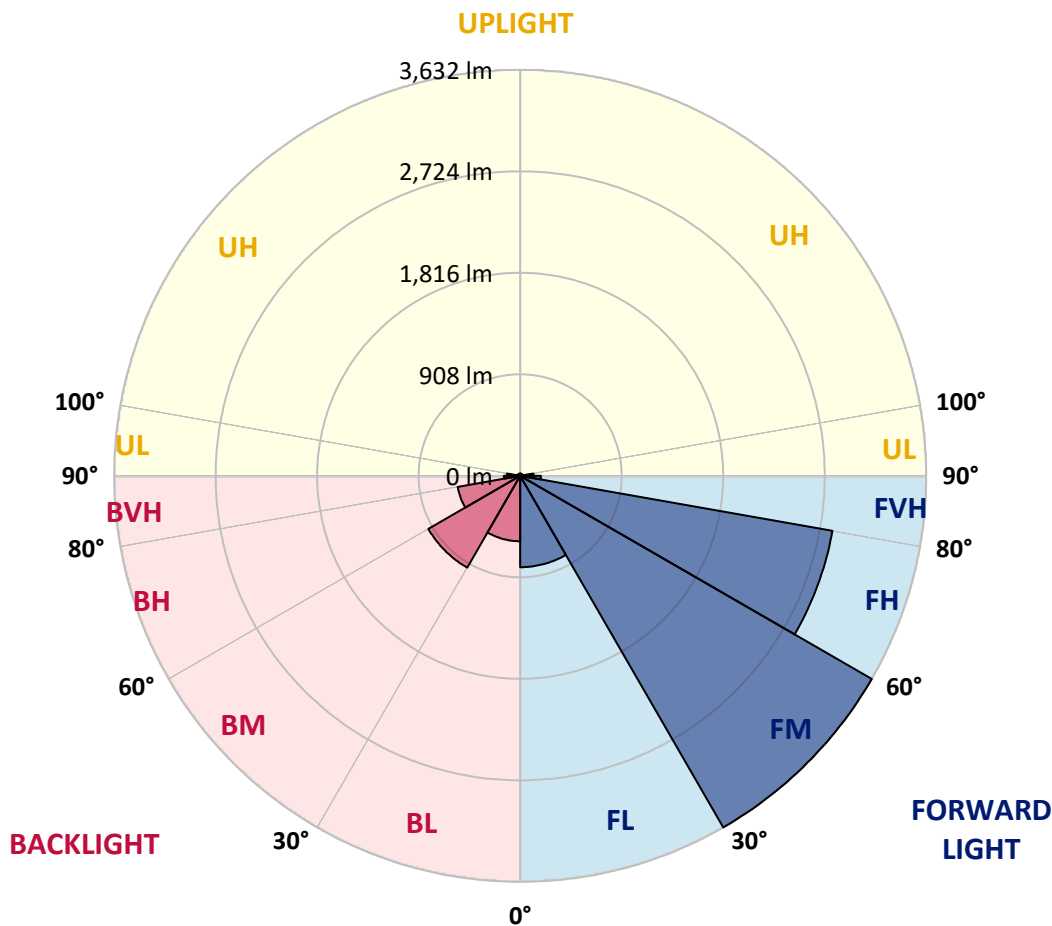
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	817.3	8.3			
FM	(30°-60°)	3632.4	36.8			
FH	(60°-80°)	2836.4	28.8			G2/5000
FVH	(80°-90°)	185.0	1.9			G2/225
BL	(0°-30°)	585.3	5.9	B2/1000		
BM	(30°-60°)	948.5	9.6	B1/1000		
BH	(60°-80°)	567.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	145.7	1.5			G2/225
UL	(90°-100°)	119.7	1.2		U3/500	
UH	(100°-180°)	19.8	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°	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5
2.5°	1466.5	1466.5	1463.3	1463.3	1466.5	1469.8	1466.5	1463.3	1466.5	1469.8	1479.5
5°	1524.7	1521.5	1518.2	1505.3	1492.4	1482.7	1476.2	1473.0	1476.2	1489.2	1511.8
7.5°	1563.5	1560.2	1560.2	1557.0	1544.1	1518.2	1502.1	1498.8	1498.8	1502.1	1531.1
10°	1644.2	1637.7	1624.8	1602.2	1589.3	1557.0	1527.9	1521.5	1521.5	1527.9	1563.5
12.5°	1731.4	1718.5	1721.7	1695.9	1657.1	1621.6	1579.6	1563.5	1557.0	1563.5	1582.8
15°	1850.9	1841.3	1815.4	1786.3	1747.6	1699.1	1647.4	1621.6	1618.4	1628.1	1611.9
17.5°	1938.2	1925.2	1928.5	1886.5	1854.2	1789.6	1741.1	1692.7	1692.7	1705.6	1663.6
20°	2028.6	2022.2	2031.8	2022.2	1973.7	1915.6	1844.5	1786.3	1776.7	1783.1	1721.7
22.5°	2144.9	2135.2	2135.2	2138.4	2099.7	2041.5	1957.5	1899.4	1896.2	1870.3	1786.3
25°	2264.4	2254.7	2251.5	2258.0	2251.5	2183.7	2096.4	2038.3	2028.6	1993.1	1873.6
27.5°	2377.5	2377.5	2380.7	2387.2	2396.9	2341.9	2258.0	2193.4	2193.4	2154.6	1989.8
30°	2461.5	2461.5	2490.5	2503.5	2513.2	2500.2	2409.8	2348.4	2354.9	2303.2	2122.3
32.5°	2539.0	2542.2	2574.5	2606.8	2616.5	2626.2	2548.7	2509.9	2509.9	2461.5	2264.4
35°	2616.5	2616.5	2661.7	2726.4	2758.7	2749.0	2713.4	2700.5	2703.7	2694.0	2474.4
37.5°	2677.9	2684.4	2752.2	2833.0	2878.2	2894.3	2874.9	2916.9	2955.7	2984.8	2749.0
40°	2739.3	2739.3	2803.9	2891.1	2971.9	3017.1	3042.9	3201.2	3230.3	3240.0	2904.0
42.5°	2674.7	2690.8	2826.5	2955.7	3059.1	3136.6	3252.9	3488.7	3524.2	3414.4	3114.0
45°	2613.3	2632.7	2768.3	2984.8	3133.4	3288.4	3488.7	3727.7	3756.8	3592.1	3240.0
47.5°	2551.9	2574.5	2723.1	2958.9	3201.2	3456.4	3672.8	3937.7	3950.6	3737.4	3382.1
50°	2487.3	2509.9	2668.2	2929.9	3243.2	3627.6	3856.9	4128.3	4128.3	3866.6	3466.1
52.5°	2406.6	2432.4	2593.9	2884.6	3275.5	3743.9	4024.9	4267.2	4241.3	4021.7	3559.8
55°	2303.2	2338.7	2509.9	2820.0	3288.4	3805.3	4131.5	4402.9	4396.4	4212.3	3679.3
57.5°	2193.4	2222.4	2406.6	2736.0	3275.5	3847.3	4244.6	4638.7	4648.4	4377.0	3773.0
60°	2070.6	2090.0	2267.7	2619.8	3191.5	3921.6	4499.8	4890.6	4903.6	4528.8	3808.5
62.5°	1909.1	1922.0	2090.0	2461.5	3078.5	3970.0	4683.9	5120.0	5113.5	4664.5	3815.0
65°	1705.6	1721.7	1880.0	2251.5	2910.5	3937.7	4729.1	5220.1	5226.6	4729.1	3805.3
67.5°	1508.5	1518.2	1650.7	1973.7	2639.1	3782.7	4683.9	5278.3	5307.3	4784.0	3711.6
70°	1246.9	1250.1	1366.4	1653.9	2264.4	3485.5	4593.4	5313.8	5297.6	4719.4	3550.1
72.5°	959.4	962.6	1049.8	1266.3	1760.5	2968.6	4273.7	5013.4	4984.3	4364.1	3201.2
75°	681.6	694.5	746.2	888.3	1179.0	2167.5	3656.7	4438.4	4457.8	3882.8	2668.2
77.5°	387.6	400.6	442.5	555.6	678.4	1214.6	2761.9	3701.9	3714.8	3265.8	2048.0
80°	168.0	171.2	187.4	264.9	361.8	581.4	1414.9	2593.9	2781.3	2219.2	1169.4
82.5°	142.1	142.1	148.6	155.1	158.3	264.9	549.1	804.3	830.2	655.7	381.2
85°	122.8	122.8	129.2	135.7	138.9	180.9	332.7	403.8	419.9	374.7	268.1
87.5°	96.9	96.9	106.6	113.1	113.1	148.6	248.7	300.4	310.1	300.4	239.0
90°	87.2	87.2	84.0	84.0	87.2	106.6	193.8	252.0	261.7	319.8	274.6
92.5°	74.3	77.5	77.5	77.5	67.8	77.5	138.9	222.9	242.3	316.6	248.7
95°	74.3	71.1	71.1	67.8	64.6	67.8	103.4	193.8	216.4	274.6	210.0
97.5°	51.7	48.5	51.7	54.9	58.1	61.4	87.2	142.1	158.3	213.2	155.1
100°	32.3	32.3	32.3	32.3	38.8	42.0	71.1	87.2	96.9	135.7	103.4
102.5°	19.4	16.2	16.2	16.2	19.4	25.8	35.5	48.5	51.7	77.5	61.4
105°	6.5	6.5	6.5	6.5	9.7	12.9	12.9	19.4	19.4	25.8	25.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2



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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	3.2	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
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°	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5	1479.5
2.5°	1485.9	1492.4	1505.3	1521.5	1540.8	1557.0	1569.9	1573.1	1579.6	1579.6	1586.1
5°	1518.2	1531.1	1550.5	1573.1	1582.8	1576.4	1576.4	1579.6	1586.1	1602.2	1608.7
7.5°	1553.8	1563.5	1563.5	1573.1	1592.5	1586.1	1582.8	1579.6	1579.6	1573.1	1582.8
10°	1566.7	1553.8	1569.9	1566.7	1560.2	1573.1	1576.4	1557.0	1560.2	1560.2	1563.5
12.5°	1569.9	1569.9	1557.0	1557.0	1557.0	1527.9	1521.5	1537.6	1521.5	1527.9	1524.7
15°	1605.4	1579.6	1563.5	1544.1	1518.2	1508.5	1485.9	1460.1	1460.1	1466.5	1466.5
17.5°	1631.3	1605.4	1557.0	1505.3	1495.6	1450.4	1434.2	1427.8	1424.6	1427.8	1434.2
20°	1670.1	1631.3	1550.5	1498.8	1414.9	1398.7	1369.6	1366.4	1359.9	1337.3	1330.9
22.5°	1721.7	1660.4	1547.3	1443.9	1376.1	1321.2	1269.5	1237.2	1234.0	1217.8	1208.1
25°	1779.9	1718.5	1560.2	1418.1	1305.0	1224.3	1182.3	1108.0	1072.5	1085.4	1078.9
27.5°	1899.4	1786.3	1582.8	1382.6	1246.9	1120.9	1024.0	978.8	933.5	933.5	940.0
30°	2009.2	1873.6	1582.8	1350.3	1150.0	998.2	872.2	801.1	781.7	768.8	762.3
32.5°	2174.0	1983.4	1650.7	1305.0	1059.5	839.9	697.7	613.8	617.0	629.9	626.7
35°	2364.6	2157.8	1670.1	1240.4	927.1	681.6	539.5	494.2	520.1	526.5	526.5
37.5°	2593.9	2371.0	1757.3	1188.7	788.2	503.9	426.4	407.0	429.6	426.4	439.3
40°	2719.9	2474.4	1831.6	1124.1	604.1	371.5	329.5	316.6	352.1	381.2	387.6
42.5°	2897.6	2597.1	1902.6	1001.4	410.2	271.3	252.0	294.0	345.6	377.9	381.2
45°	2994.5	2668.2	1873.6	849.6	261.7	219.7	245.5	297.2	352.1	384.4	387.6
47.5°	3110.8	2761.9	1821.9	662.2	210.0	216.4	248.7	303.6	361.8	390.9	390.9
50°	3227.0	2855.6	1695.9	520.1	197.0	213.2	255.2	306.9	358.6	377.9	377.9
52.5°	3294.9	2936.3	1547.3	377.9	193.8	213.2	258.4	310.1	355.3	365.0	365.0
55°	3356.3	2942.8	1418.1	281.0	190.6	216.4	261.7	316.6	358.6	368.3	365.0
57.5°	3391.8	2900.8	1327.6	242.3	187.4	216.4	264.9	323.0	384.4	407.0	400.6
60°	3372.4	2836.2	1259.8	226.1	184.1	216.4	268.1	342.4	487.8	526.5	513.6
62.5°	3340.1	2791.0	1117.7	206.7	177.7	216.4	271.3	387.6	542.7	562.1	545.9
65°	3298.1	2658.5	956.2	187.4	171.2	213.2	274.6	419.9	516.8	516.8	513.6
67.5°	3123.7	2480.9	713.9	168.0	161.5	213.2	281.0	413.5	497.5	539.5	539.5
70°	2891.1	2183.7	471.6	148.6	151.8	206.7	294.0	419.9	513.6	571.8	565.3
72.5°	2448.5	1812.2	261.7	129.2	138.9	203.5	294.0	445.8	555.6	620.2	610.5
75°	1999.5	1340.6	187.4	116.3	126.0	197.0	297.2	461.9	594.4	662.2	646.1
77.5°	1408.4	768.8	148.6	100.1	113.1	187.4	294.0	455.5	613.8	675.1	655.7
80°	594.4	277.8	122.8	90.4	96.9	168.0	271.3	436.1	613.8	713.9	704.2
82.5°	268.1	197.0	106.6	80.8	90.4	138.9	252.0	419.9	594.4	717.1	775.3
85°	210.0	161.5	90.4	71.1	80.8	132.4	226.1	400.6	568.5	662.2	726.8
87.5°	200.3	161.5	80.8	64.6	74.3	113.1	174.4	371.5	510.4	610.5	662.2
90°	216.4	168.0	64.6	54.9	67.8	100.1	142.1	313.3	442.5	536.2	536.2
92.5°	200.3	155.1	48.5	42.0	71.1	80.8	135.7	193.8	319.8	268.1	332.7
95°	168.0	129.2	32.3	29.1	67.8	67.8	74.3	90.4	222.9	6.5	0.0
97.5°	122.8	93.7	19.4	16.2	51.7	54.9	35.5	42.0	90.4	0.0	0.0
100°	90.4	61.4	12.9	12.9	32.3	45.2	22.6	22.6	0.0	0.0	0.0
102.5°	48.5	32.3	9.7	6.5	16.2	25.8	9.7	6.5	0.0	0.0	0.0
105°	25.8	12.9	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	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°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	3.2	3.2	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)