

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: P690951

Luminaire Tested: **CRTK2-C01-D-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690951
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-C01-D-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7623 lumens
Efficiency: N/A
Efficacy: 125.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 61
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

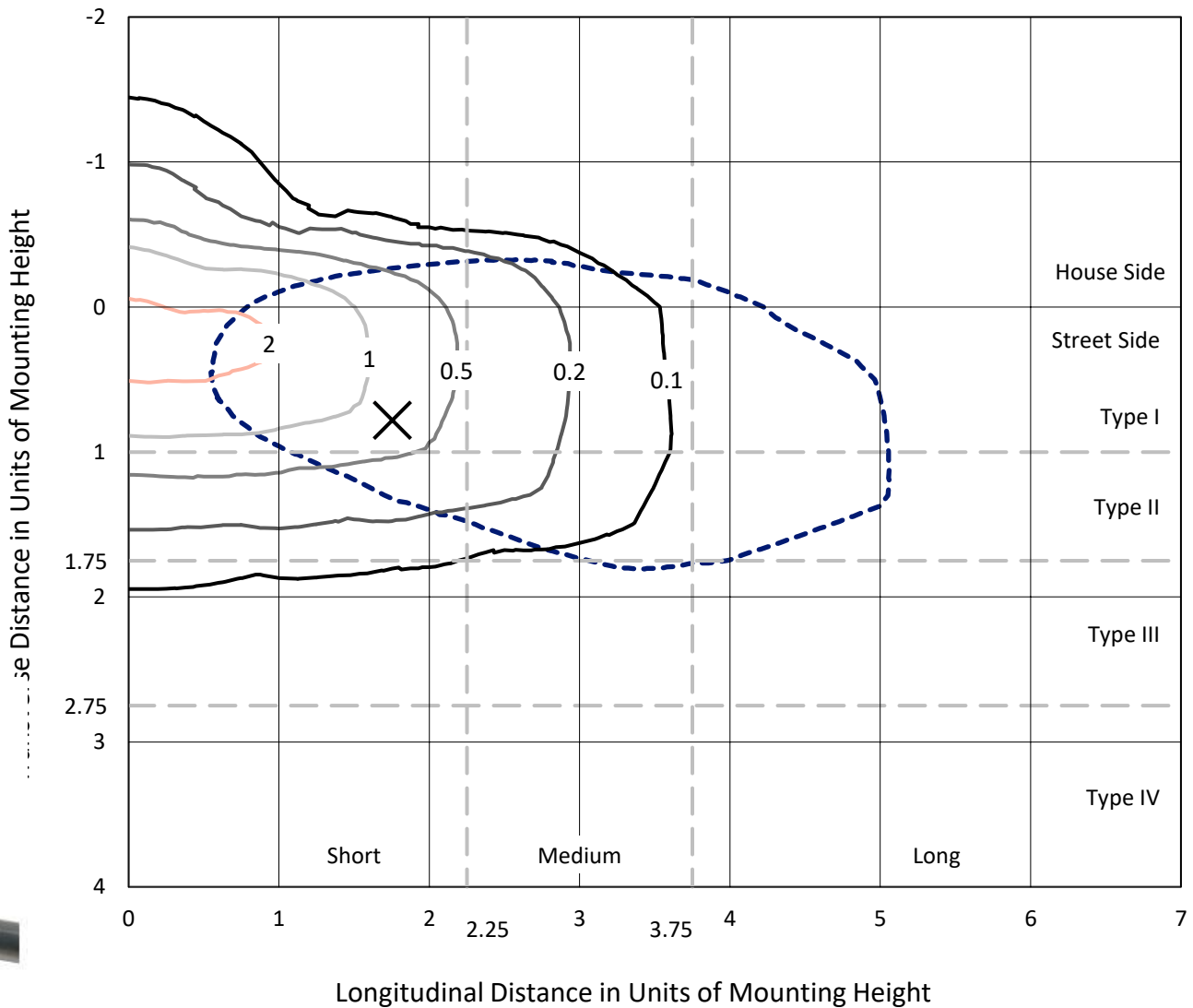


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Iso-Footcandle Lines of Horizontal Illumination

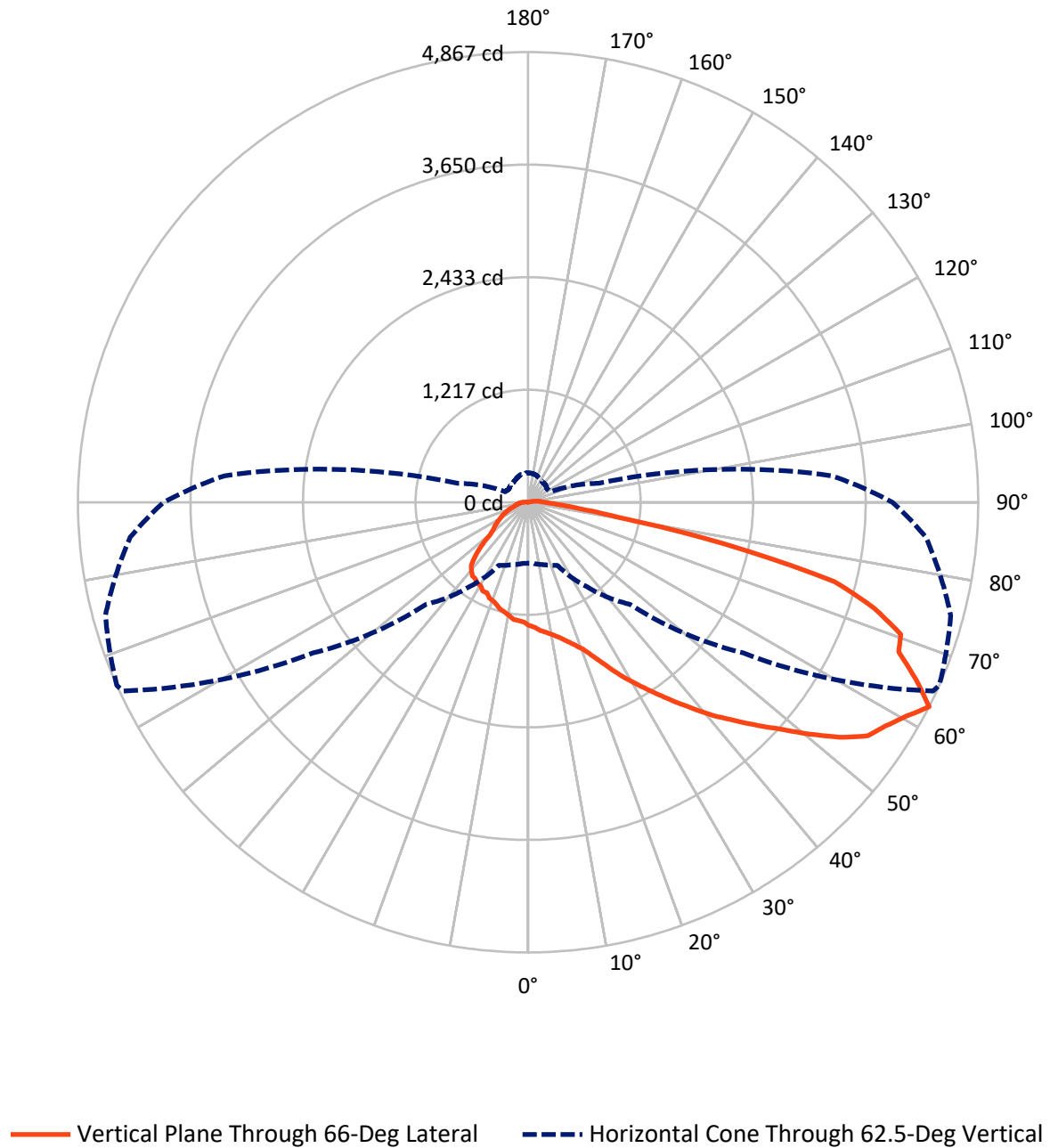
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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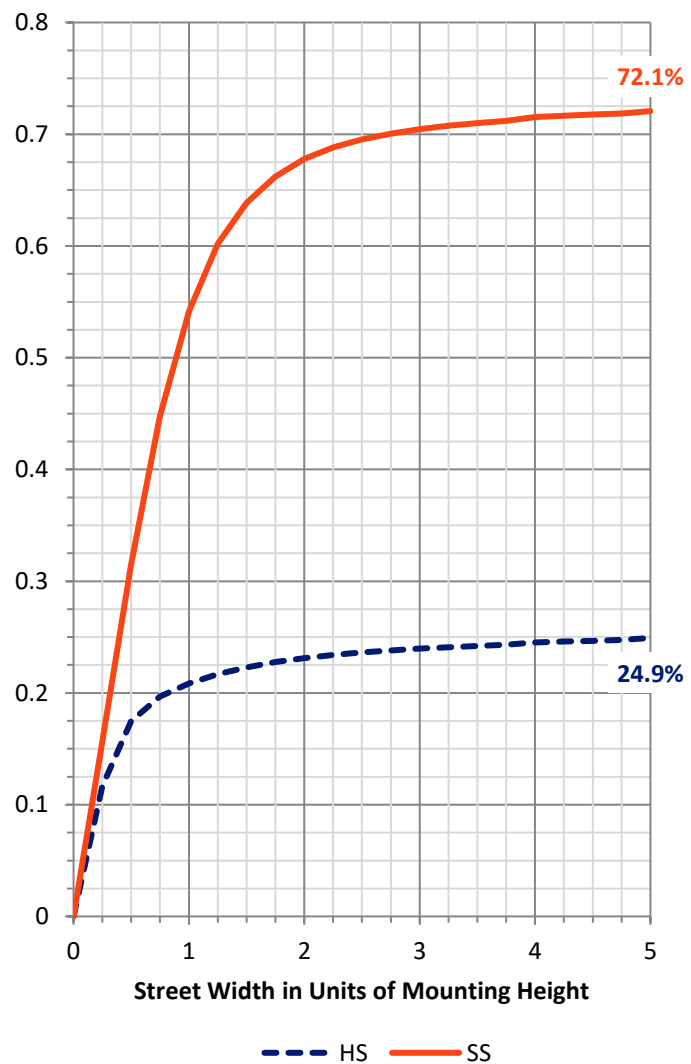
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1984.2	54.8	2039.0
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5529.7	54.3	5584.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	7513.9	109.0	7623.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	128.0	1.7
10°-20°	383.3	5.0
20°-30°	648.6	8.5
30°-40°	948.9	12.4
40°-50°	1240.3	16.3
50°-60°	1443.2	18.9
60°-70°	1443.9	18.9
70°-80°	996.3	13.1
80°-90°	281.6	3.7
90°-100°	92.8	1.2
100°-110°	12.7	0.2
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7513.9	98.6
0°-180°	7623.0	100.0

Coefficient of Utilization



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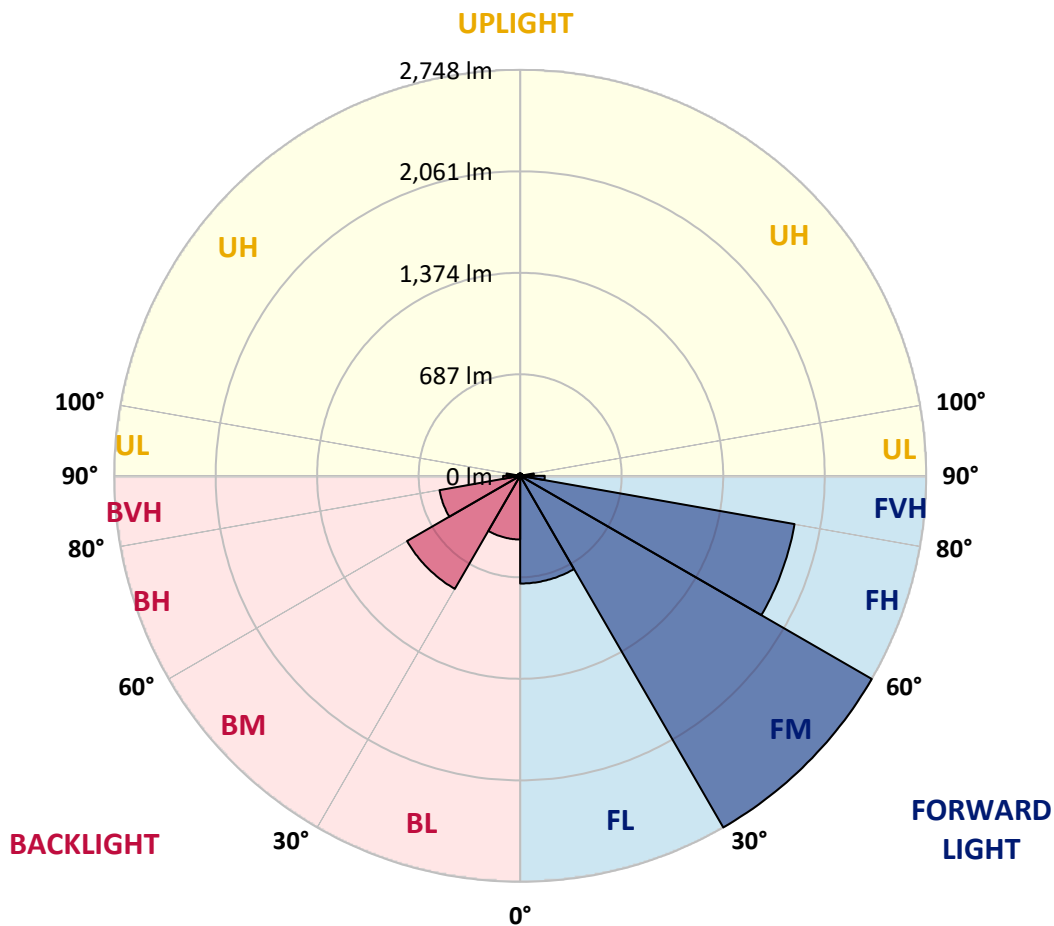
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	729.2	9.6			
FM	(30°-60°)	2748.3	36.1			
FH	(60°-80°)	1885.9	24.7			G2/5000
FVH	(80°-90°)	166.3	2.2			G2/225
BL	(0°-30°)	430.6	5.6	B1/500		
BM	(30°-60°)	884.1	11.6	B1/1000		
BH	(60°-80°)	554.2	7.3	B2/1000		G2/1000
BVH	(80°-90°)	115.3	1.5			G2/225
UL	(90°-100°)	92.8	1.2		U3/500	
UH	(100°-180°)	16.2	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9
2.5°	1400.2	1397.7	1397.7	1385.0	1372.4	1369.9	1362.3	1352.1	1352.1	1344.5	1331.9
5°	1483.8	1481.3	1483.8	1466.1	1448.4	1433.2	1407.8	1395.2	1392.6	1374.9	1349.6
7.5°	1542.0	1539.5	1537.0	1521.8	1514.2	1499.0	1463.5	1425.6	1420.5	1402.8	1369.9
10°	1564.8	1567.4	1580.0	1554.7	1539.5	1526.8	1506.6	1461.0	1455.9	1415.4	1364.8
12.5°	1625.6	1628.1	1620.5	1590.1	1585.1	1575.0	1542.0	1504.1	1499.0	1448.4	1377.5
15°	1688.9	1688.9	1678.8	1661.0	1648.4	1638.3	1597.7	1557.2	1554.7	1493.9	1410.4
17.5°	1716.8	1721.8	1724.3	1701.6	1696.5	1694.0	1673.7	1623.1	1618.0	1559.8	1455.9
20°	1734.5	1737.0	1739.5	1737.0	1739.5	1737.0	1747.1	1706.6	1694.0	1633.2	1506.6
22.5°	1769.9	1775.0	1792.7	1792.7	1800.3	1818.0	1810.4	1815.5	1810.4	1737.0	1592.7
25°	1787.6	1795.2	1818.0	1845.9	1878.8	1899.1	1926.9	1947.2	1949.7	1883.9	1724.3
27.5°	1759.8	1777.5	1835.8	1878.8	1954.8	2007.9	2073.8	2106.7	2111.8	2048.5	1866.1
30°	1795.2	1795.2	1830.7	1891.5	1985.2	2109.2	2210.5	2261.1	2266.2	2218.1	2007.9
32.5°	1729.4	1744.6	1825.6	1942.1	2076.3	2218.1	2316.9	2415.6	2428.3	2413.1	2210.5
35°	1721.8	1729.4	1780.1	1901.6	2081.4	2319.4	2456.1	2585.3	2610.6	2615.6	2405.5
37.5°	1650.9	1661.0	1754.7	1906.7	2152.3	2390.3	2565.0	2777.7	2800.5	2835.9	2575.1
40°	1562.3	1577.5	1653.4	1823.1	2132.0	2473.8	2681.5	2980.3	3013.2	3056.2	2797.9
42.5°	1445.8	1473.7	1602.8	1785.1	2121.9	2501.7	2792.9	3182.8	3213.2	3258.8	2985.3
45°	1347.1	1354.7	1458.5	1648.4	2040.9	2539.7	2896.7	3410.7	3431.0	3453.8	3137.2
47.5°	1258.4	1273.6	1362.3	1539.5	1954.8	2532.1	2987.9	3625.9	3661.4	3729.8	3322.1
50°	995.1	1030.6	1281.2	1445.8	1823.1	2509.3	3063.8	3879.1	3937.4	3962.7	3532.3
52.5°	860.9	871.0	997.6	1354.7	1676.2	2433.3	3129.7	4155.1	4221.0	4162.7	3785.5
55°	795.1	805.2	863.4	1169.8	1562.3	2278.9	3180.3	4415.9	4456.5	4319.7	3972.8
57.5°	759.6	767.2	797.6	947.0	1423.0	2033.3	3185.4	4545.1	4560.3	4443.8	4069.1
60°	698.9	706.5	759.6	825.5	1268.6	1772.5	3096.7	4618.5	4697.0	4595.7	4253.9
62.5°	658.3	663.4	698.9	752.0	1119.2	1559.8	2838.5	4828.7	4866.7	4729.9	4317.2
65°	607.7	612.8	645.7	693.8	1023.0	1440.8	2727.1	4742.6	4603.3	4697.0	4400.8
67.5°	549.5	557.1	587.4	628.0	863.4	1324.3	2405.5	4421.0	4322.3	4529.9	4183.0
70°	496.3	501.4	534.3	557.1	709.0	1172.4	1997.8	4170.3	4274.2	4271.6	3985.5
72.5°	438.1	443.1	471.0	491.2	592.5	992.6	1585.1	3881.7	3912.1	3803.2	3527.2
75°	377.3	379.8	405.1	425.4	486.2	795.1	1157.2	3210.7	3420.8	3636.1	3051.2
77.5°	303.8	311.4	331.7	341.8	389.9	635.6	754.6	1901.6	2172.5	3198.0	2727.1
80°	227.9	227.9	243.1	248.1	288.7	473.5	476.0	916.6	985.0	2033.3	2025.7
82.5°	144.3	151.9	167.1	164.6	195.0	270.9	301.3	508.9	546.9	805.2	898.9
85°	116.5	119.0	129.1	121.5	129.1	146.9	169.6	321.6	334.2	491.2	488.7
87.5°	96.2	98.8	106.3	101.3	103.8	111.4	131.7	215.2	220.3	316.5	326.6
90°	73.4	76.0	86.1	83.6	81.0	91.2	108.9	164.6	172.2	250.7	268.4
92.5°	48.1	48.1	55.7	55.7	55.7	65.8	96.2	126.6	131.7	227.9	240.5
95°	35.4	35.4	38.0	40.5	38.0	48.1	70.9	113.9	124.1	212.7	207.6
97.5°	22.8	22.8	25.3	27.9	25.3	30.4	40.5	81.0	91.2	164.6	162.1
100°	15.2	15.2	15.2	15.2	15.2	15.2	22.8	53.2	60.8	103.8	101.3
102.5°	10.1	10.1	10.1	10.1	7.6	7.6	10.1	25.3	27.9	55.7	53.2
105°	2.5	2.5	5.1	5.1	5.1	2.5	2.5	10.1	12.7	22.8	22.8
107.5°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	2.5	2.5
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	2.5
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	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5	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	2.5	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°	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9	1331.9
2.5°	1326.8	1319.2	1306.6	1293.9	1286.3	1278.7	1266.0	1255.9	1255.9	1268.6	1268.6
5°	1331.9	1316.7	1291.4	1281.2	1268.6	1250.8	1230.6	1215.4	1207.8	1217.9	1220.5
7.5°	1344.5	1321.7	1296.4	1273.6	1230.6	1197.7	1179.9	1159.7	1157.2	1167.3	1172.4
10°	1334.4	1311.6	1281.2	1238.2	1192.6	1167.3	1134.4	1109.1	1109.1	1101.5	1106.5
12.5°	1344.5	1314.2	1253.4	1207.8	1167.3	1111.6	1071.1	1045.7	1043.2	1050.8	1050.8
15°	1369.9	1324.3	1245.8	1190.1	1124.2	1068.5	1028.0	1000.2	1007.8	992.6	995.1
17.5°	1400.2	1331.9	1245.8	1149.6	1076.1	1023.0	967.3	934.3	936.9	939.4	941.9
20°	1438.2	1352.1	1233.1	1119.2	1030.6	954.6	891.3	866.0	858.4	863.4	866.0
22.5°	1496.5	1397.7	1228.1	1104.0	967.3	893.8	838.1	787.5	782.4	782.4	782.4
25°	1592.7	1466.1	1250.8	1053.3	934.3	822.9	759.6	711.5	688.7	691.3	693.8
27.5°	1739.5	1575.0	1273.6	1055.9	858.4	759.6	681.1	628.0	615.3	617.8	620.4
30°	1894.0	1721.8	1331.9	1005.2	815.3	663.4	582.4	544.4	529.2	521.6	524.1
32.5°	2013.0	1851.0	1412.9	990.0	736.8	559.6	508.9	478.6	458.3	450.7	450.7
35°	2202.9	1977.6	1478.7	952.1	655.8	493.8	453.2	420.3	410.2	405.1	405.1
37.5°	2365.0	2116.8	1547.1	936.9	557.1	443.1	392.5	372.2	372.2	367.2	364.6
40°	2539.7	2263.7	1585.1	891.3	481.1	389.9	339.3	336.8	344.4	344.4	344.4
42.5°	2749.8	2415.6	1625.6	838.1	422.9	329.2	301.3	321.6	339.3	344.4	344.4
45°	2906.8	2511.8	1643.3	724.2	364.6	286.1	296.3	316.5	339.3	346.9	344.4
47.5°	3041.0	2651.1	1618.0	584.9	314.0	278.5	291.2	308.9	336.8	346.9	346.9
50°	3175.2	2770.1	1600.3	422.9	293.7	278.5	291.2	298.8	329.2	341.8	341.8
52.5°	3372.7	2863.8	1529.4	354.5	278.5	281.1	296.3	296.3	324.1	339.3	346.9
55°	3625.9	3079.0	1395.2	331.7	273.5	278.5	298.8	298.8	319.0	334.2	339.3
57.5°	3729.8	3155.0	1164.8	311.4	268.4	278.5	291.2	296.3	321.6	331.7	329.2
60°	3866.5	3279.0	954.6	291.2	258.3	273.5	281.1	298.8	319.0	321.6	319.0
62.5°	3939.9	3294.2	790.0	270.9	250.7	265.9	268.4	288.7	308.9	316.5	319.0
65°	3980.4	3279.0	584.9	250.7	243.1	255.7	258.3	276.0	296.3	301.3	303.8
67.5°	3833.6	3175.2	405.1	230.4	235.5	243.1	248.1	265.9	281.1	296.3	301.3
70°	3570.2	2873.9	288.7	205.1	222.8	230.4	240.5	258.3	273.5	293.7	298.8
72.5°	3279.0	2314.3	212.7	174.7	205.1	215.2	233.0	245.6	268.4	293.7	301.3
75°	3005.6	2030.7	169.6	149.4	174.7	197.5	220.3	238.0	270.9	359.6	372.2
77.5°	2132.0	1372.4	151.9	131.7	149.4	172.2	202.6	233.0	377.3	427.9	430.5
80°	1547.1	807.7	136.7	116.5	129.1	139.3	184.8	286.1	417.8	395.0	395.0
82.5°	774.8	433.0	129.1	103.8	111.4	113.9	164.6	364.6	336.8	352.0	354.5
85°	374.7	210.2	106.3	91.2	96.2	93.7	154.5	346.9	319.0	321.6	316.5
87.5°	235.5	129.1	83.6	76.0	78.5	76.0	146.9	331.7	334.2	273.5	278.5
90°	212.7	151.9	65.8	60.8	53.2	63.3	131.7	308.9	326.6	197.5	164.6
92.5°	205.1	164.6	48.1	43.0	38.0	50.6	98.8	250.7	200.0	83.6	50.6
95°	182.3	144.3	40.5	30.4	35.4	43.0	63.3	167.1	134.2	0.0	0.0
97.5°	136.7	106.3	32.9	20.3	113.9	38.0	35.4	108.9	38.0	0.0	0.0
100°	86.1	65.8	25.3	15.2	129.1	25.3	22.8	63.3	0.0	0.0	0.0
102.5°	48.1	35.4	12.7	10.1	55.7	12.7	15.2	15.2	0.0	0.0	0.0
105°	20.3	17.7	5.1	5.1	5.1	2.5	7.6	0.0	0.0	0.0	0.0
107.5°	5.1	7.6	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	2.5	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
120°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
135°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.5	2.5	2.5	2.5	2.5	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)