

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: P691679

Luminaire Tested: **CRTK2-C018-D-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691679
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-C018-D-U-T2-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6957 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

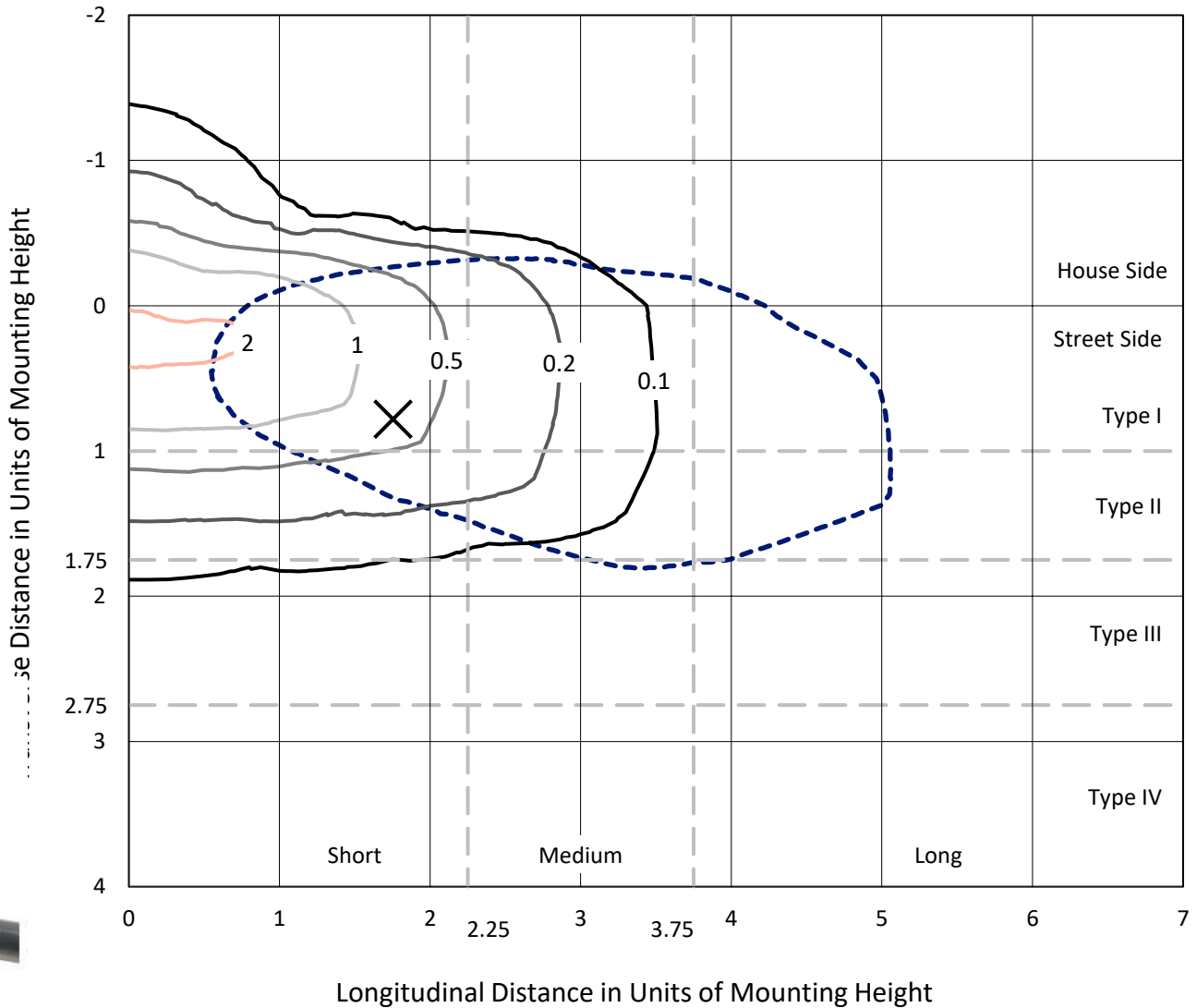
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

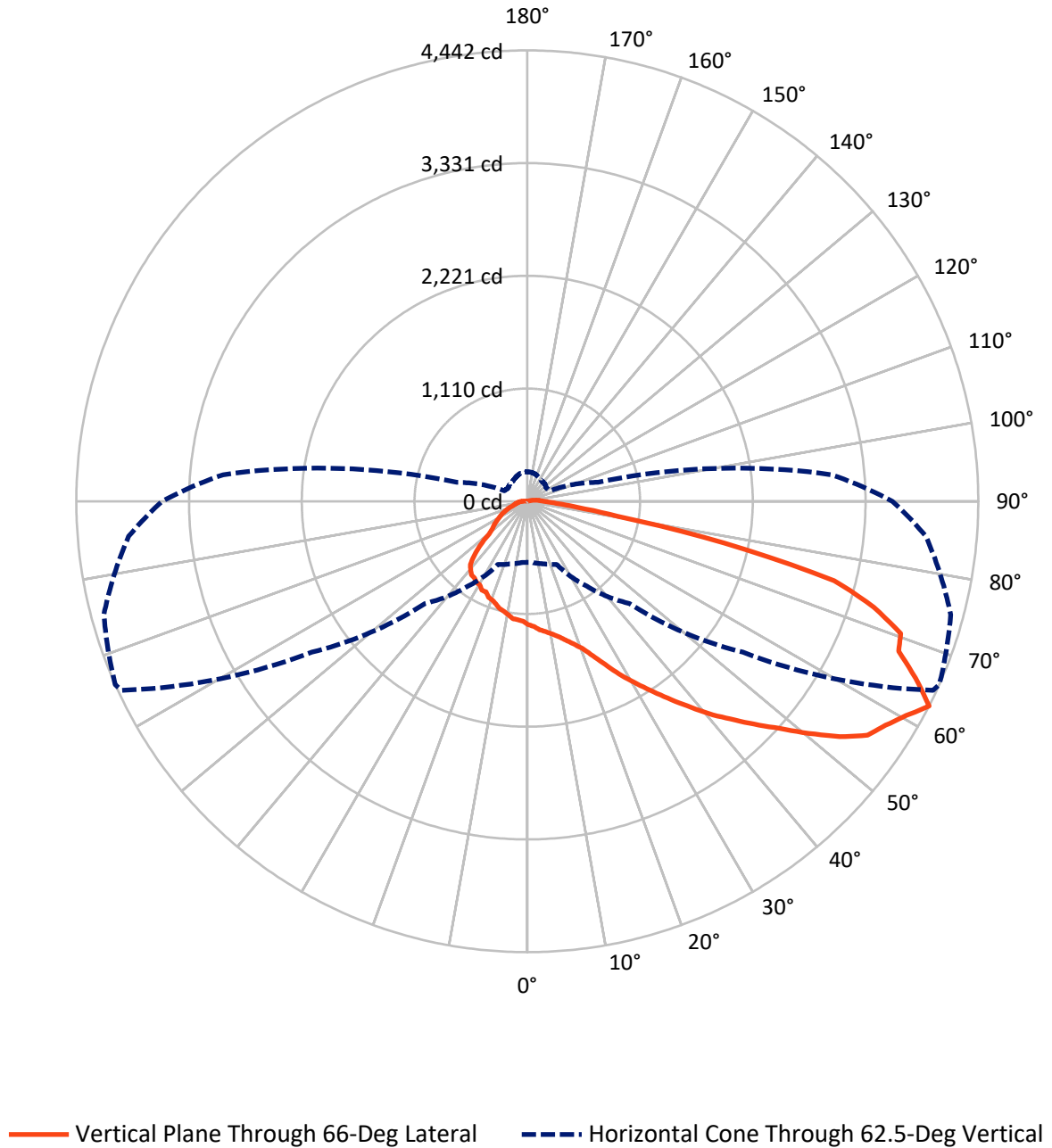
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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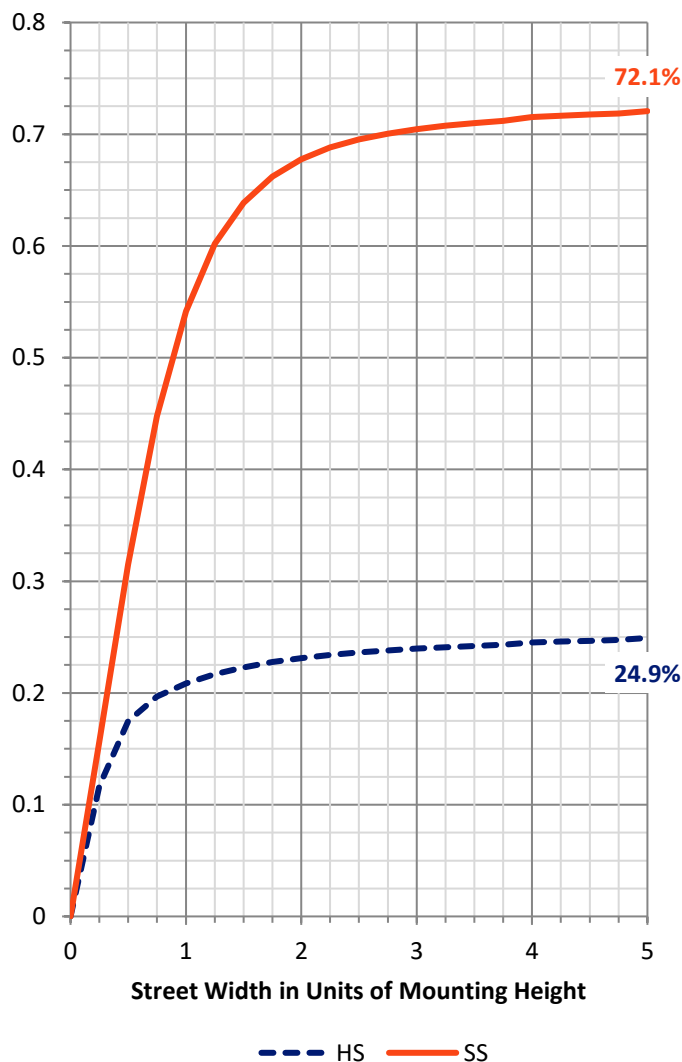
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1810.8	50.0	1860.9
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5046.6	49.5	5096.1
	% Fixture	72.5	0.7	73.3
Total	Lumens	6857.4	99.5	6957.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	116.8	1.7
10°-20°	349.8	5.0
20°-30°	591.9	8.5
30°-40°	866.0	12.4
40°-50°	1131.9	16.3
50°-60°	1317.1	18.9
60°-70°	1317.7	18.9
70°-80°	909.2	13.1
80°-90°	257.0	3.7
90°-100°	84.7	1.2
100°-110°	11.6	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°	6857.4	98.6
0°-180°	6957.0	100.0

Coefficient of Utilization

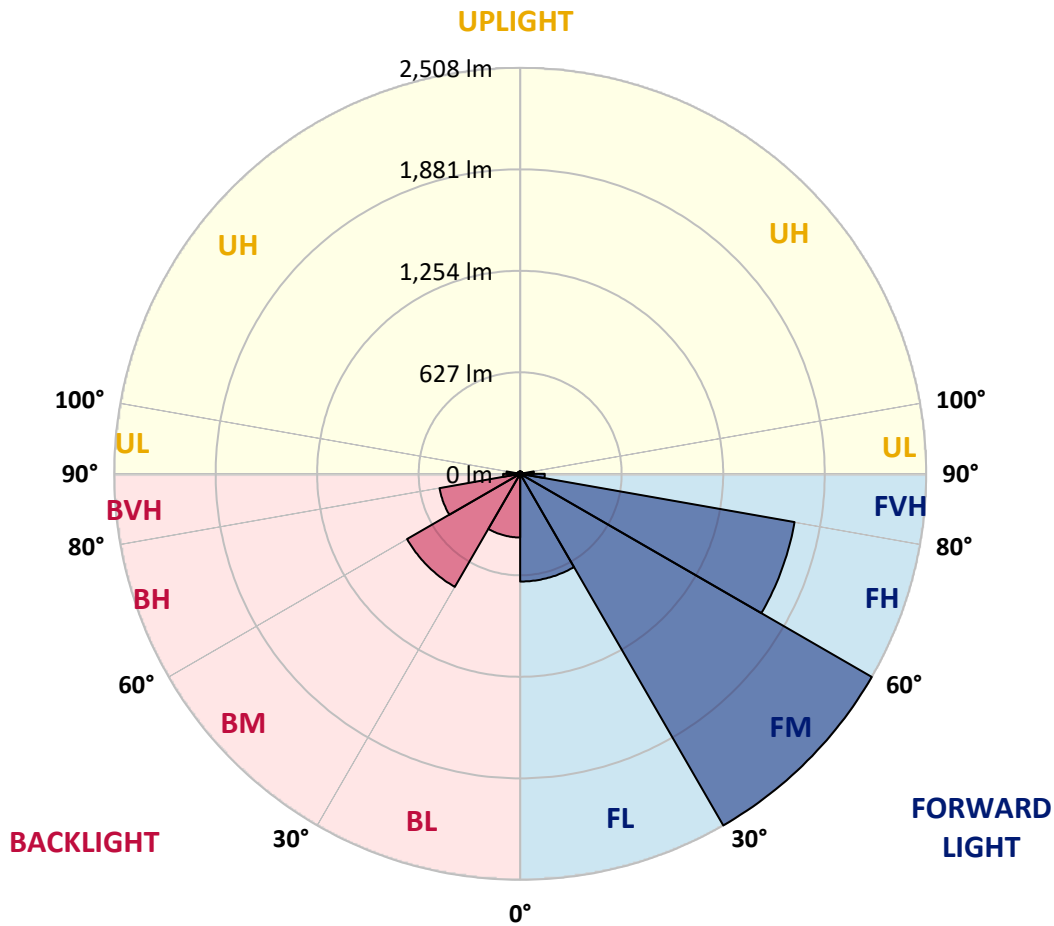


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	665.5	9.6			
FM (30°-60°)	2508.2	36.1			
FH (60°-80°)	1721.1	24.7			G1/1800
FVH (80°-90°)	151.8	2.2			G2/225
BL (0°-30°)	393.0	5.6	B1/500		
BM (30°-60°)	806.8	11.6	B1/1000		
BH (60°-80°)	505.8	7.3	B2/1000		G2/1000
BVH (80°-90°)	105.2	1.5			G2/225
UL (90°-100°)	84.7	1.2		U3/500	
UH (100°-180°)	14.8	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°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1277.9	1275.6	1275.6	1264.0	1252.5	1250.2	1243.2	1234.0	1234.0	1227.1	1215.5
5°	1354.2	1351.9	1354.2	1338.0	1321.8	1307.9	1284.8	1273.3	1271.0	1254.8	1231.7
7.5°	1407.3	1405.0	1402.7	1388.8	1381.9	1368.0	1335.7	1301.0	1296.4	1280.2	1250.2
10°	1428.1	1430.4	1442.0	1418.9	1405.0	1393.4	1375.0	1333.4	1328.7	1291.8	1245.6
12.5°	1483.6	1485.9	1479.0	1451.2	1446.6	1437.4	1407.3	1372.7	1368.0	1321.8	1257.1
15°	1541.3	1541.3	1532.1	1515.9	1504.4	1495.1	1458.2	1421.2	1418.9	1363.4	1287.1
17.5°	1566.8	1571.4	1573.7	1552.9	1548.3	1546.0	1527.5	1481.3	1476.6	1423.5	1328.7
20°	1582.9	1585.3	1587.6	1585.3	1587.6	1585.3	1594.5	1557.5	1546.0	1490.5	1375.0
22.5°	1615.3	1619.9	1636.1	1636.1	1643.0	1659.2	1652.3	1656.9	1652.3	1585.3	1453.5
25°	1631.5	1638.4	1659.2	1684.6	1714.7	1733.1	1758.6	1777.1	1779.4	1719.3	1573.7
27.5°	1606.0	1622.2	1675.4	1714.7	1784.0	1832.5	1892.6	1922.6	1927.3	1869.5	1703.1
30°	1638.4	1638.4	1670.8	1726.2	1811.7	1924.9	2017.4	2063.6	2068.2	2024.3	1832.5
32.5°	1578.3	1592.2	1666.1	1772.4	1894.9	2024.3	2114.4	2204.6	2216.1	2202.2	2017.4
35°	1571.4	1578.3	1624.5	1735.5	1899.5	2116.7	2241.5	2359.4	2382.5	2387.1	2195.3
37.5°	1506.7	1515.9	1601.4	1740.1	1964.2	2181.5	2340.9	2535.0	2555.8	2588.2	2350.1
40°	1425.8	1439.7	1509.0	1663.8	1945.7	2257.7	2447.2	2719.9	2749.9	2789.2	2553.5
42.5°	1319.5	1344.9	1462.8	1629.2	1936.5	2283.1	2548.9	2904.8	2932.5	2974.1	2724.5
45°	1229.4	1236.3	1331.1	1504.4	1862.6	2317.8	2643.6	3112.7	3131.2	3152.0	2863.2
47.5°	1148.5	1162.4	1243.2	1405.0	1784.0	2310.9	2726.8	3309.2	3341.5	3403.9	3031.8
50°	908.2	940.5	1169.3	1319.5	1663.8	2290.1	2796.1	3540.2	3593.4	3616.5	3223.7
52.5°	785.7	794.9	910.5	1236.3	1529.8	2220.7	2856.2	3792.1	3852.2	3799.1	3454.7
55°	725.6	734.9	788.0	1067.6	1425.8	2079.8	2902.4	4030.1	4067.1	3942.3	3625.7
57.5°	693.3	700.2	727.9	864.3	1298.7	1855.6	2907.1	4148.0	4161.9	4055.6	3713.6
60°	637.8	644.7	693.3	753.3	1157.7	1617.6	2826.2	4215.0	4286.6	4194.2	3882.2
62.5°	600.8	605.4	637.8	686.3	1021.4	1423.5	2590.5	4406.8	4441.5	4316.7	3940.0
65°	554.6	559.2	589.3	633.2	933.6	1314.9	2488.8	4328.2	4201.1	4286.6	4016.3
67.5°	501.5	508.4	536.1	573.1	788.0	1208.6	2195.3	4034.8	3944.6	4134.1	3817.5
70°	452.9	457.6	487.6	508.4	647.0	1069.9	1823.3	3806.0	3900.7	3898.4	3637.3
72.5°	399.8	404.4	429.8	448.3	540.7	905.9	1446.6	3542.5	3570.3	3470.9	3219.0
75°	344.3	346.6	369.7	388.2	443.7	725.6	1056.1	2930.2	3122.0	3318.4	2784.6
77.5°	277.3	284.2	302.7	312.0	355.9	580.0	688.6	1735.5	1982.7	2918.6	2488.8
80°	208.0	208.0	221.8	226.5	263.4	432.1	434.4	836.5	898.9	1855.6	1848.7
82.5°	131.7	138.7	152.5	150.2	177.9	247.3	275.0	464.5	499.1	734.9	820.4
85°	106.3	108.6	117.9	110.9	117.9	134.0	154.8	293.5	305.0	448.3	446.0
87.5°	87.8	90.1	97.1	92.4	94.7	101.7	120.2	196.4	201.0	288.9	298.1
90°	67.0	69.3	78.6	76.3	73.9	83.2	99.4	150.2	157.1	228.8	245.0
92.5°	43.9	43.9	50.8	50.8	50.8	60.1	87.8	115.5	120.2	208.0	219.5
95°	32.4	32.4	34.7	37.0	34.7	43.9	64.7	104.0	113.2	194.1	189.5
97.5°	20.8	20.8	23.1	25.4	23.1	27.7	37.0	73.9	83.2	150.2	147.9
100°	13.9	13.9	13.9	13.9	13.9	13.9	20.8	48.5	55.5	94.7	92.4
102.5°	9.2	9.2	9.2	9.2	6.9	6.9	9.2	23.1	25.4	50.8	48.5
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.2	11.6	20.8	20.8
107.5°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3
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	2.3
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	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	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	2.3	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



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5	1215.5
2.5°	1210.9	1204.0	1192.4	1180.8	1173.9	1167.0	1155.4	1146.2	1146.2	1157.7	1157.7
5°	1215.5	1201.6	1178.5	1169.3	1157.7	1141.6	1123.1	1109.2	1102.3	1111.5	1113.8
7.5°	1227.1	1206.3	1183.2	1162.4	1123.1	1093.0	1076.9	1058.4	1056.1	1065.3	1069.9
10°	1217.8	1197.0	1169.3	1130.0	1088.4	1065.3	1035.3	1012.2	1012.2	1005.2	1009.8
12.5°	1227.1	1199.3	1143.9	1102.3	1065.3	1014.5	977.5	954.4	952.1	959.0	959.0
15°	1250.2	1208.6	1136.9	1086.1	1026.0	975.2	938.2	912.8	919.7	905.9	908.2
17.5°	1277.9	1215.5	1136.9	1049.1	982.1	933.6	882.7	852.7	855.0	857.3	859.6
20°	1312.6	1234.0	1125.4	1021.4	940.5	871.2	813.4	790.3	783.4	788.0	790.3
22.5°	1365.7	1275.6	1120.8	1007.5	882.7	815.7	764.9	718.7	714.1	714.1	714.1
25°	1453.5	1338.0	1141.6	961.3	852.7	751.0	693.3	649.4	628.6	630.9	633.2
27.5°	1587.6	1437.4	1162.4	963.6	783.4	693.3	621.6	573.1	561.5	563.8	566.2
30°	1728.5	1571.4	1215.5	917.4	744.1	605.4	531.5	496.8	483.0	476.0	478.3
32.5°	1837.1	1689.2	1289.5	903.5	672.5	510.7	464.5	436.8	418.3	411.3	411.3
35°	2010.4	1804.8	1349.5	868.9	598.5	450.6	413.6	383.6	374.4	369.7	369.7
37.5°	2158.3	1931.9	1411.9	855.0	508.4	404.4	358.2	339.7	339.7	335.1	332.8
40°	2317.8	2065.9	1446.6	813.4	439.1	355.9	309.7	307.3	314.3	314.3	314.3
42.5°	2509.6	2204.6	1483.6	764.9	385.9	300.4	275.0	293.5	309.7	314.3	314.3
45°	2652.9	2292.4	1499.7	660.9	332.8	261.1	270.4	288.9	309.7	316.6	314.3
47.5°	2775.3	2419.5	1476.6	533.8	286.5	254.2	265.7	281.9	307.3	316.6	316.6
50°	2897.8	2528.1	1460.5	385.9	268.1	254.2	265.7	272.7	300.4	312.0	312.0
52.5°	3078.1	2613.6	1395.8	323.5	254.2	256.5	270.4	270.4	295.8	309.7	316.6
55°	3309.2	2810.0	1273.3	302.7	249.6	254.2	272.7	272.7	291.2	305.0	309.7
57.5°	3403.9	2879.3	1063.0	284.2	245.0	254.2	265.7	270.4	293.5	302.7	300.4
60°	3528.7	2992.6	871.2	265.7	235.7	249.6	256.5	272.7	291.2	293.5	291.2
62.5°	3595.7	3006.4	721.0	247.3	228.8	242.6	245.0	263.4	281.9	288.9	291.2
65°	3632.7	2992.6	533.8	228.8	221.8	233.4	235.7	251.9	270.4	275.0	277.3
67.5°	3498.6	2897.8	369.7	210.3	214.9	221.8	226.5	242.6	256.5	270.4	275.0
70°	3258.3	2622.8	263.4	187.2	203.4	210.3	219.5	235.7	249.6	268.1	272.7
72.5°	2992.6	2112.1	194.1	159.4	187.2	196.4	212.6	224.2	245.0	268.1	275.0
75°	2743.0	1853.3	154.8	136.3	159.4	180.2	201.0	217.2	247.3	328.1	339.7
77.5°	1945.7	1252.5	138.7	120.2	136.3	157.1	184.9	212.6	344.3	390.5	392.8
80°	1411.9	737.2	124.8	106.3	117.9	127.1	168.7	261.1	381.3	360.5	360.5
82.5°	707.1	395.2	117.9	94.7	101.7	104.0	150.2	332.8	307.3	321.2	323.5
85°	342.0	191.8	97.1	83.2	87.8	85.5	141.0	316.6	291.2	293.5	288.9
87.5°	214.9	117.9	76.3	69.3	71.6	69.3	134.0	302.7	305.0	249.6	254.2
90°	194.1	138.7	60.1	55.5	48.5	57.8	120.2	281.9	298.1	180.2	150.2
92.5°	187.2	150.2	43.9	39.3	34.7	46.2	90.1	228.8	182.6	76.3	46.2
95°	166.4	131.7	37.0	27.7	32.4	39.3	57.8	152.5	122.5	0.0	0.0
97.5°	124.8	97.1	30.0	18.5	104.0	34.7	32.4	99.4	34.7	0.0	0.0
100°	78.6	60.1	23.1	13.9	117.9	23.1	20.8	57.8	0.0	0.0	0.0
102.5°	43.9	32.4	11.6	9.2	50.8	11.6	13.9	13.9	0.0	0.0	0.0
105°	18.5	16.2	4.6	4.6	4.6	2.3	6.9	0.0	0.0	0.0	0.0
107.5°	4.6	6.9	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	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°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.3	2.3	2.3	2.3	2.3	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)