

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: P691571

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691571
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-C018-5TLD-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7714.1 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

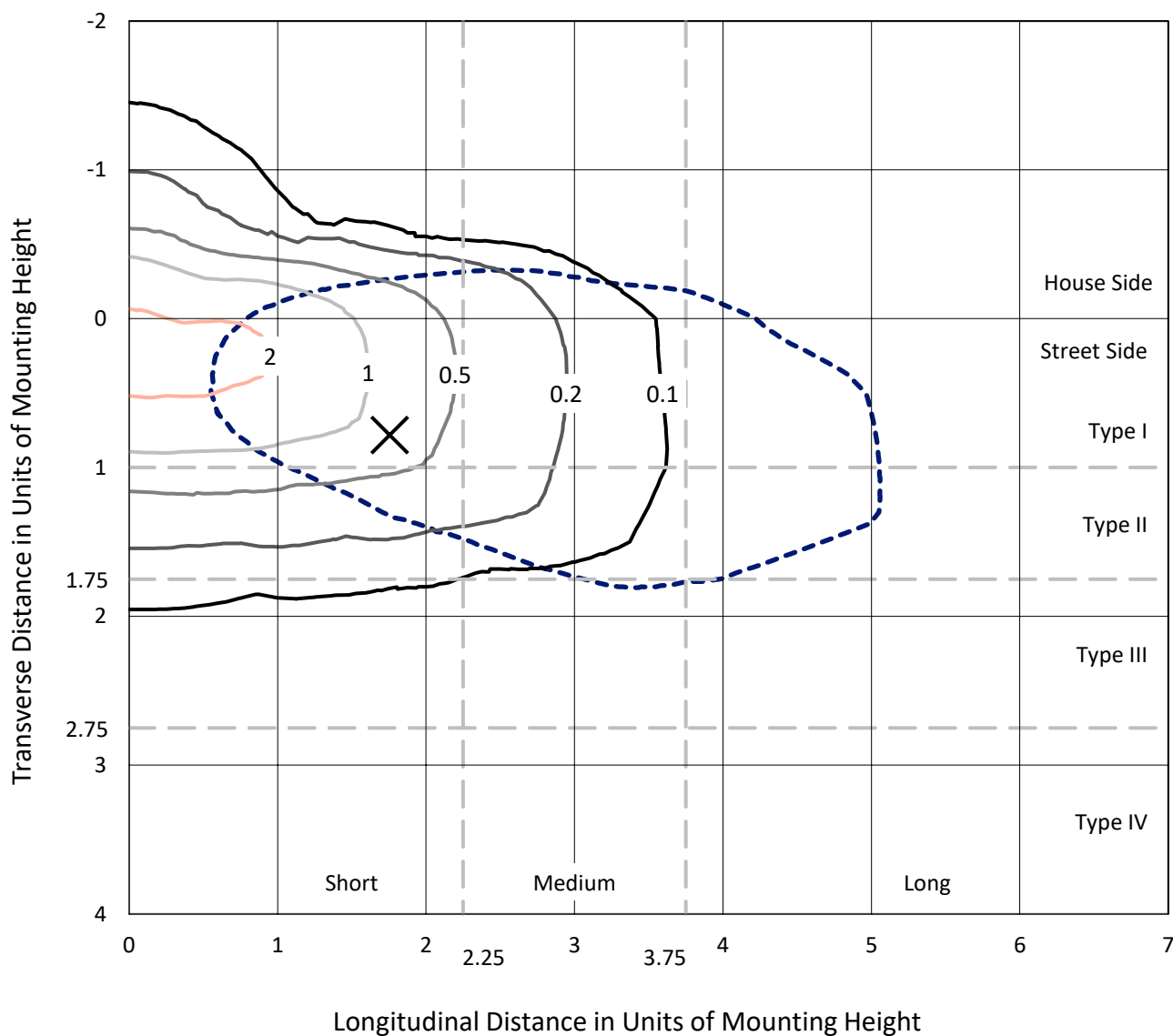
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

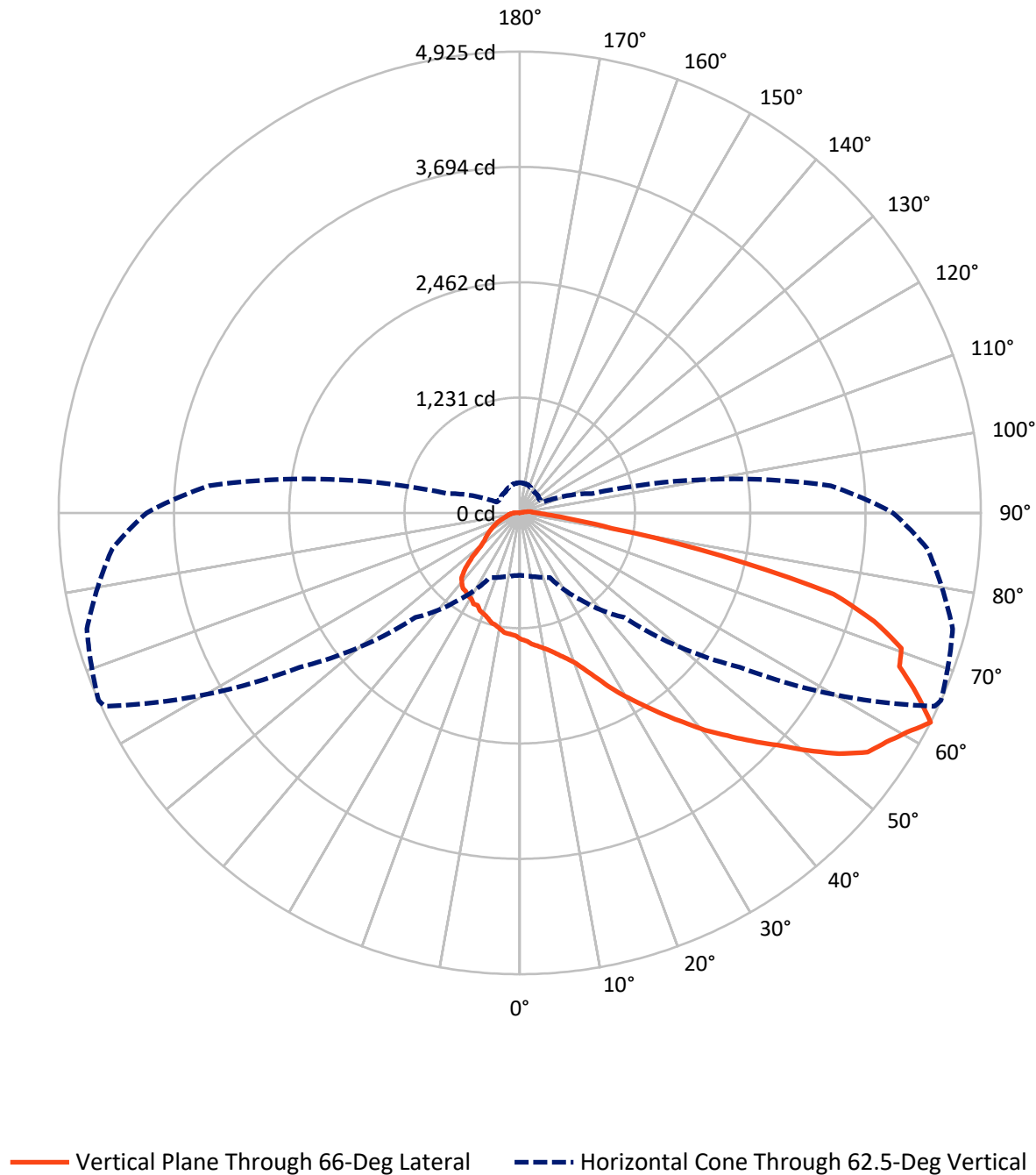
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.5 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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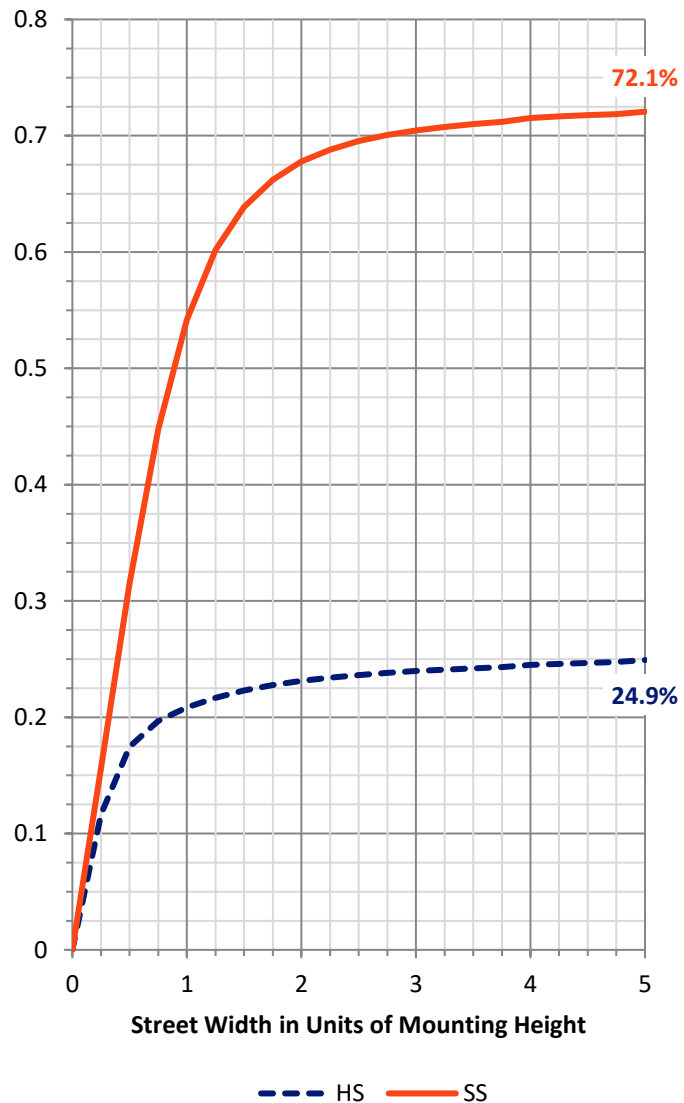
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2007.9	55.5	2063.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5595.7	54.9	5650.7
	% Fixture	72.5	0.7	73.3
Total	Lumens	7603.6	110.4	7714.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	1.7
10°-20°	387.8	5.0
20°-30°	656.3	8.5
30°-40°	960.2	12.4
40°-50°	1255.1	16.3
50°-60°	1460.4	18.9
60°-70°	1461.1	18.9
70°-80°	1008.2	13.1
80°-90°	284.9	3.7
90°-100°	93.9	1.2
100°-110°	12.9	0.2
110°-120°	0.8	0.0
120°-130°	0.7	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7603.6	98.6
0°-180°	7714.1	100.0

Coefficient of Utilization



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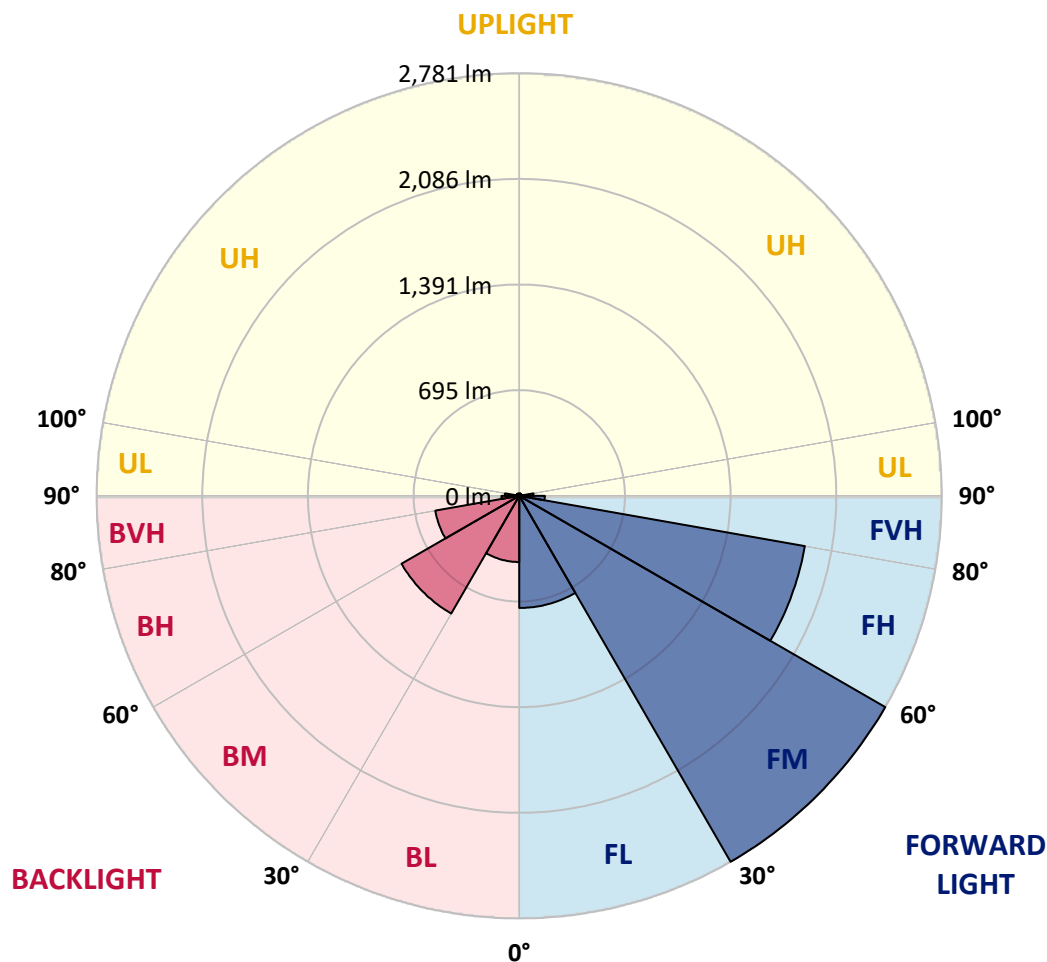
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	737.9	9.6			
FM	(30°-60°)	2781.1	36.1			
FH	(60°-80°)	1908.4	24.7			G2/5000
FVH	(80°-90°)	168.3	2.2			G2/225
BL	(0°-30°)	435.8	5.6	B1/500		
BM	(30°-60°)	894.6	11.6	B1/1000		
BH	(60°-80°)	560.8	7.3	B2/1000		G2/1000
BVH	(80°-90°)	116.7	1.5			G2/225
UL	(90°-100°)	93.9	1.2		U3/500	
UH	(100°-180°)	16.5	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°	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8
2.5°	1417.0	1414.4	1414.4	1401.6	1388.8	1386.2	1378.5	1368.3	1368.3	1360.6	1347.8
5°	1501.5	1499.0	1501.5	1483.6	1465.6	1450.3	1424.6	1411.8	1409.3	1391.3	1365.7
7.5°	1560.4	1557.9	1555.3	1539.9	1532.3	1516.9	1481.0	1442.6	1437.5	1419.5	1386.2
10°	1583.5	1586.1	1598.9	1573.3	1557.9	1545.1	1524.6	1478.5	1473.3	1432.3	1381.1
12.5°	1645.0	1647.6	1639.9	1609.1	1604.0	1593.8	1560.4	1522.0	1516.9	1465.6	1393.9
15°	1709.1	1709.1	1698.8	1680.9	1668.1	1657.8	1616.8	1575.8	1573.3	1511.8	1427.2
17.5°	1737.2	1742.4	1744.9	1721.9	1716.7	1714.2	1693.7	1642.4	1637.3	1578.4	1473.3
20°	1755.2	1757.7	1760.3	1757.7	1760.3	1757.7	1768.0	1727.0	1714.2	1652.7	1524.6
22.5°	1791.1	1796.2	1814.1	1814.1	1821.8	1839.7	1832.1	1837.2	1832.1	1757.7	1611.7
25°	1809.0	1816.7	1839.7	1867.9	1901.2	1921.7	1949.9	1970.4	1973.0	1906.4	1744.9
27.5°	1780.8	1798.7	1857.7	1901.2	1978.1	2031.9	2098.5	2131.8	2137.0	2072.9	1888.4
30°	1816.7	1816.7	1852.5	1914.0	2008.8	2134.4	2236.9	2288.1	2293.3	2244.6	2031.9
32.5°	1750.1	1765.4	1847.4	1965.3	2101.1	2244.6	2344.5	2444.4	2457.3	2441.9	2236.9
35°	1742.4	1750.1	1801.3	1924.3	2106.2	2347.1	2485.4	2616.1	2641.7	2646.9	2434.2
37.5°	1670.6	1680.9	1775.7	1929.4	2178.0	2418.8	2595.6	2810.9	2833.9	2869.8	2605.9
40°	1580.9	1596.3	1673.2	1844.9	2157.5	2503.4	2713.5	3015.8	3049.1	3092.7	2831.4
42.5°	1463.1	1491.3	1621.9	1806.4	2147.2	2531.6	2826.2	3220.8	3251.6	3297.7	3021.0
45°	1363.1	1370.8	1475.9	1668.1	2065.2	2570.0	2931.3	3451.4	3471.9	3495.0	3174.7
47.5°	1273.5	1288.8	1378.5	1557.9	1978.1	2562.3	3023.5	3669.2	3705.1	3774.3	3361.7
50°	1007.0	1042.9	1296.5	1463.1	1844.9	2539.2	3100.4	3925.5	3984.4	4010.0	3574.4
52.5°	871.2	881.4	1009.5	1370.8	1696.2	2462.4	3167.0	4204.7	4271.4	4212.4	3830.7
55°	804.6	814.8	873.7	1183.8	1580.9	2306.1	3218.3	4468.7	4509.7	4371.3	4020.3
57.5°	768.7	776.4	807.1	958.3	1440.0	2057.5	3223.4	4599.3	4614.7	4496.9	4117.6
60°	707.2	714.9	768.7	835.3	1283.7	1793.6	3133.7	4673.6	4753.1	4650.6	4304.7
62.5°	666.2	671.3	707.2	761.0	1132.5	1578.4	2872.3	4886.3	4924.8	4786.4	4368.7
65°	615.0	620.1	653.4	702.1	1035.2	1458.0	2759.6	4799.2	4658.3	4753.1	4453.3
67.5°	556.0	563.7	594.5	635.5	873.7	1340.1	2434.2	4473.8	4373.9	4584.0	4232.9
70°	502.2	507.3	540.6	563.7	717.4	1186.3	2021.7	4220.1	4325.2	4322.6	4033.1
72.5°	443.3	448.4	476.6	497.1	599.6	1004.4	1604.0	3928.0	3958.8	3848.6	3569.3
75°	381.8	384.3	410.0	430.5	492.0	804.6	1171.0	3249.0	3461.7	3679.5	3087.6
77.5°	307.5	315.2	335.7	345.9	394.6	643.1	763.6	1924.3	2198.5	3236.2	2759.6
80°	230.6	230.6	246.0	251.1	292.1	479.2	481.7	927.6	996.7	2057.5	2049.8
82.5°	146.1	153.7	169.1	166.6	197.3	274.2	304.9	515.0	553.5	814.8	909.6
85°	117.9	120.4	130.7	123.0	130.7	148.6	171.7	325.4	338.2	497.1	494.5
87.5°	97.4	99.9	107.6	102.5	105.1	112.7	133.2	217.8	222.9	320.3	330.5
90°	74.3	76.9	87.1	84.6	82.0	92.2	110.2	166.6	174.2	253.7	271.6
92.5°	48.7	48.7	56.4	56.4	56.4	66.6	97.4	128.1	133.2	230.6	243.4
95°	35.9	35.9	38.4	41.0	38.4	48.7	71.7	115.3	125.6	215.2	210.1
97.5°	23.1	23.1	25.6	28.2	25.6	30.7	41.0	82.0	92.2	166.6	164.0
100°	15.4	15.4	15.4	15.4	15.4	15.4	23.1	53.8	61.5	105.1	102.5
102.5°	10.2	10.2	10.2	10.2	7.7	7.7	10.2	25.6	28.2	56.4	53.8
105°	2.6	2.6	5.1	5.1	5.1	2.6	2.6	10.2	12.8	23.1	23.1
107.5°	0.0	0.0	0.0	2.6	0.0	0.0	0.0	0.0	0.0	2.6	2.6
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	2.6
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	2.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6	0.0	0.0	0.0	0.0	0.0	0.0	2.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.6
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	2.6	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	2.6	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°	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8	1347.8
2.5°	1342.6	1335.0	1322.2	1309.3	1301.7	1294.0	1281.2	1270.9	1270.9	1283.7	1283.7
5°	1347.8	1332.4	1306.8	1296.5	1283.7	1265.8	1245.3	1229.9	1222.2	1232.5	1235.0
7.5°	1360.6	1337.5	1311.9	1288.8	1245.3	1212.0	1194.0	1173.5	1171.0	1181.2	1186.3
10°	1350.3	1327.3	1296.5	1253.0	1206.8	1181.2	1147.9	1122.3	1122.3	1114.6	1119.7
12.5°	1360.6	1329.8	1268.3	1222.2	1181.2	1124.9	1083.9	1058.2	1055.7	1063.4	1063.4
15°	1386.2	1340.1	1260.7	1204.3	1137.7	1081.3	1040.3	1012.1	1019.8	1004.4	1007.0
17.5°	1417.0	1347.8	1260.7	1163.3	1089.0	1035.2	978.8	945.5	948.1	950.6	953.2
20°	1455.4	1368.3	1247.8	1132.5	1042.9	966.0	901.9	876.3	868.6	873.7	876.3
22.5°	1514.3	1414.4	1242.7	1117.2	978.8	904.5	848.1	796.9	791.8	791.8	791.8
25°	1611.7	1483.6	1265.8	1065.9	945.5	832.8	768.7	720.0	696.9	699.5	702.1
27.5°	1760.3	1593.8	1288.8	1068.5	868.6	768.7	689.3	635.5	622.6	625.2	627.8
30°	1916.6	1742.4	1347.8	1017.2	825.1	671.3	589.3	550.9	535.5	527.8	530.4
32.5°	2037.0	1873.0	1429.8	1001.9	745.6	566.3	515.0	484.3	463.8	456.1	456.1
35°	2229.2	2001.2	1496.4	963.4	663.6	499.7	458.7	425.3	415.1	410.0	410.0
37.5°	2393.2	2142.1	1565.6	948.1	563.7	448.4	397.2	376.7	376.7	371.5	369.0
40°	2570.0	2290.7	1604.0	901.9	486.8	394.6	343.3	340.8	348.5	348.5	348.5
42.5°	2782.7	2444.4	1645.0	848.1	427.9	333.1	304.9	325.4	343.3	348.5	348.5
45°	2941.5	2541.8	1662.9	732.8	369.0	289.5	299.8	320.3	343.3	351.0	348.5
47.5°	3077.3	2682.7	1637.3	591.9	317.7	281.9	294.7	312.6	340.8	351.0	351.0
50°	3213.1	2803.2	1619.4	427.9	297.2	281.9	294.7	302.4	333.1	345.9	345.9
52.5°	3413.0	2898.0	1547.6	358.7	281.9	284.4	299.8	299.8	328.0	343.3	351.0
55°	3669.2	3115.8	1411.8	335.7	276.7	281.9	302.4	302.4	322.9	338.2	343.3
57.5°	3774.3	3192.6	1178.7	315.2	271.6	281.9	294.7	299.8	325.4	335.7	333.1
60°	3912.6	3318.2	966.0	294.7	261.4	276.7	284.4	302.4	322.9	325.4	322.9
62.5°	3987.0	3333.6	799.4	274.2	253.7	269.0	271.6	292.1	312.6	320.3	322.9
65°	4027.9	3318.2	591.9	253.7	246.0	258.8	261.4	279.3	299.8	304.9	307.5
67.5°	3879.3	3213.1	410.0	233.2	238.3	246.0	251.1	269.0	284.4	299.8	304.9
70°	3612.9	2908.2	292.1	207.5	225.5	233.2	243.4	261.4	276.7	297.2	302.4
72.5°	3318.2	2341.9	215.2	176.8	207.5	217.8	235.7	248.5	271.6	297.2	304.9
75°	3041.5	2055.0	171.7	151.2	176.8	199.9	222.9	240.9	274.2	363.8	376.7
77.5°	2157.5	1388.8	153.7	133.2	151.2	174.2	205.0	235.7	381.8	433.0	435.6
80°	1565.6	817.4	138.4	117.9	130.7	140.9	187.0	289.5	422.8	399.7	399.7
82.5°	784.1	438.2	130.7	105.1	112.7	115.3	166.6	369.0	340.8	356.2	358.7
85°	379.2	212.7	107.6	92.2	97.4	94.8	156.3	351.0	322.9	325.4	320.3
87.5°	238.3	130.7	84.6	76.9	79.4	76.9	148.6	335.7	338.2	276.7	281.9
90°	215.2	153.7	66.6	61.5	53.8	64.1	133.2	312.6	330.5	199.9	166.6
92.5°	207.5	166.6	48.7	43.6	38.4	51.2	99.9	253.7	202.4	84.6	51.2
95°	184.5	146.1	41.0	30.7	35.9	43.6	64.1	169.1	135.8	0.0	0.0
97.5°	138.4	107.6	33.3	20.5	115.3	38.4	35.9	110.2	38.4	0.0	0.0
100°	87.1	66.6	25.6	15.4	130.7	25.6	23.1	64.1	0.0	0.0	0.0
102.5°	48.7	35.9	12.8	10.2	56.4	12.8	15.4	15.4	0.0	0.0	0.0
105°	20.5	17.9	5.1	5.1	5.1	2.6	7.7	0.0	0.0	0.0	0.0
107.5°	5.1	7.7	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
110°	2.6	2.6	2.6	2.6	2.6	2.6	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°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
115°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
117.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
120°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
122.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
125°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
127.5°	2.6	2.6	2.6	5.1	2.6	2.6	0.0	0.0	0.0	0.0	0.0
130°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
132.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
135°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
137.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
140°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
142.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
145°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
147.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
150°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
152.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
155°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
157.5°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
160°	2.6	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
162.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
165°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
167.5°	2.6	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.6	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.6	2.6	2.6	2.6	2.6	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)