

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: P690835

Luminaire Tested: **CRTK2-C01-5TLD-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690835
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-C01-5TLD-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: 8425 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

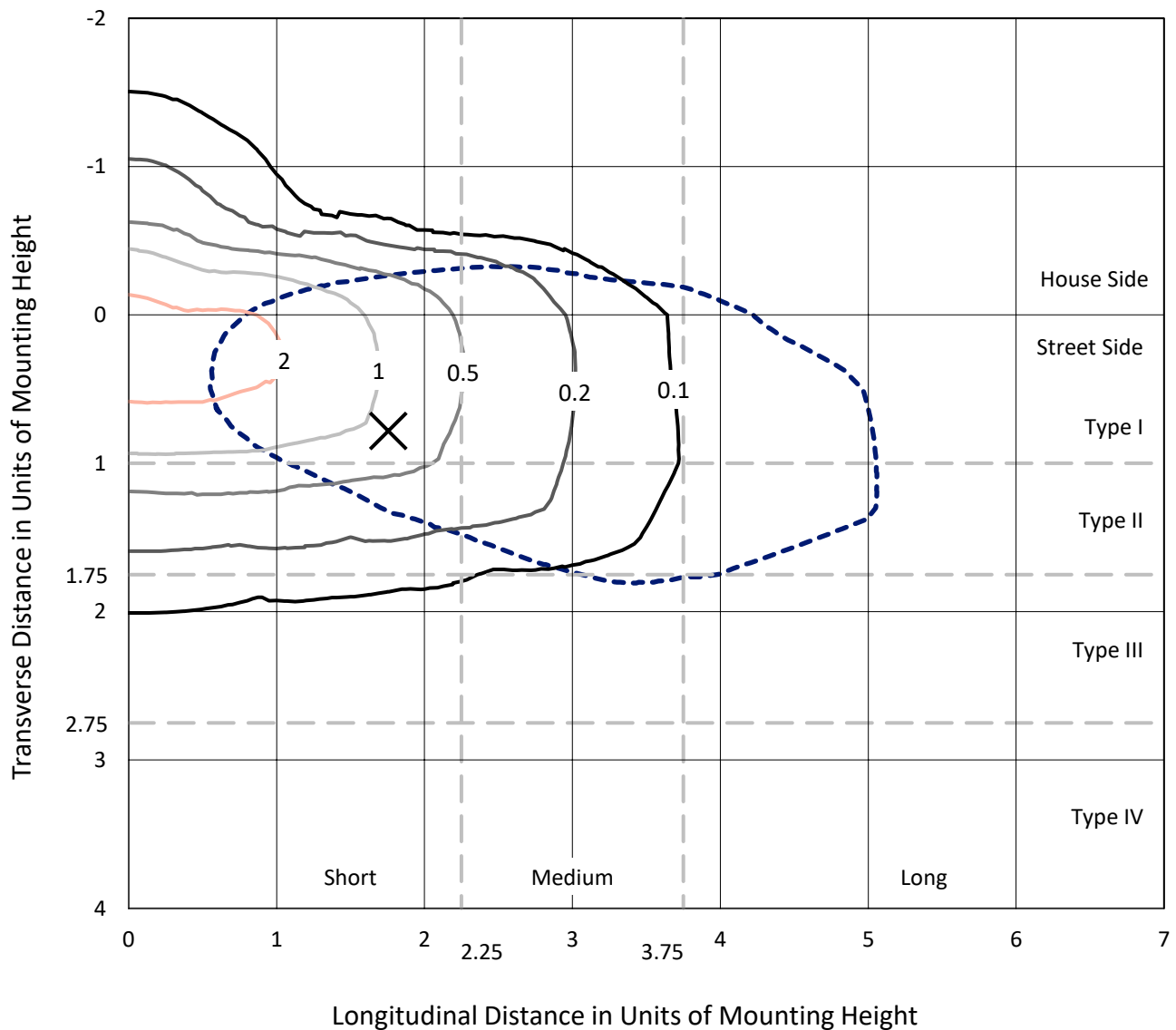
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

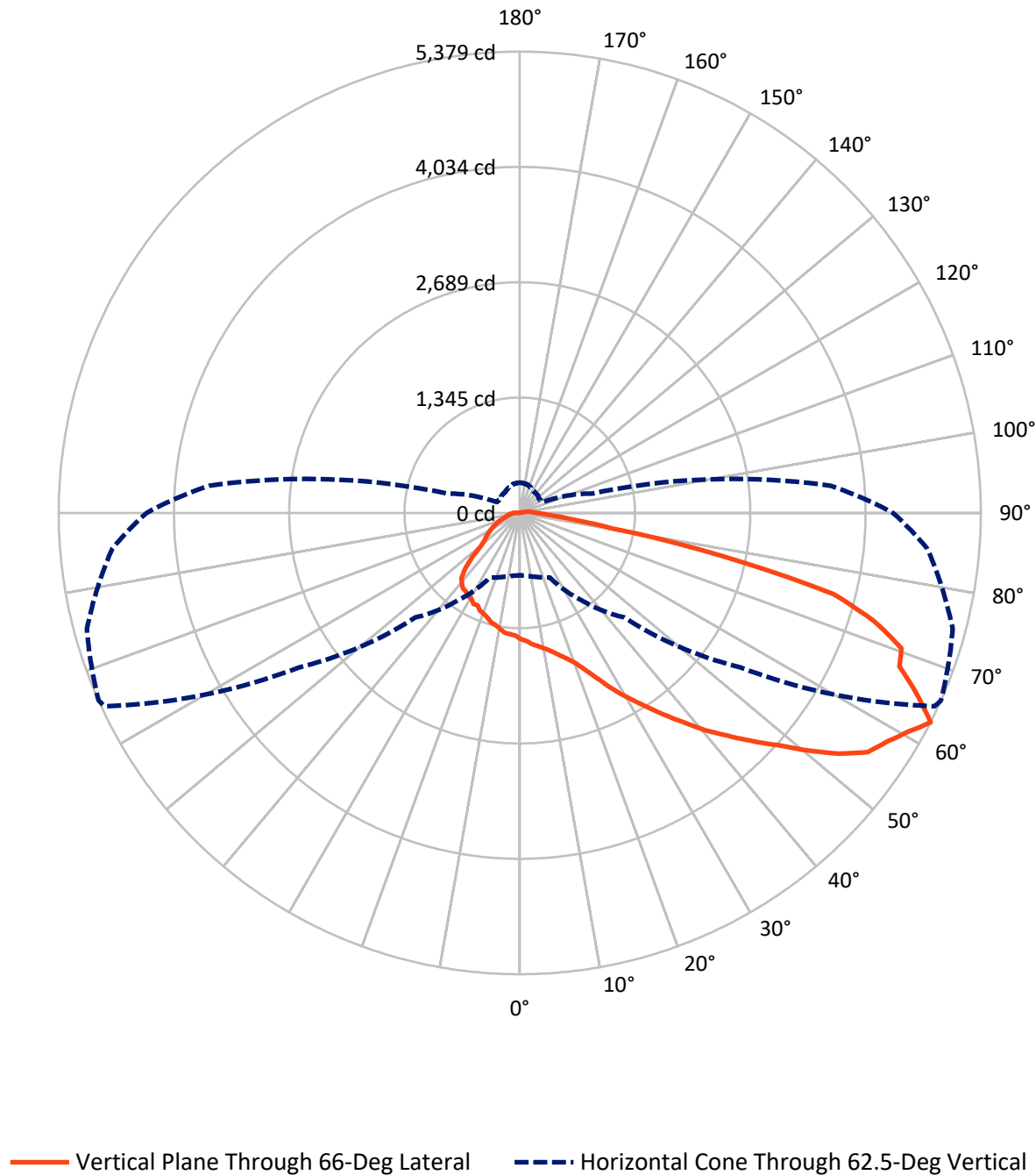
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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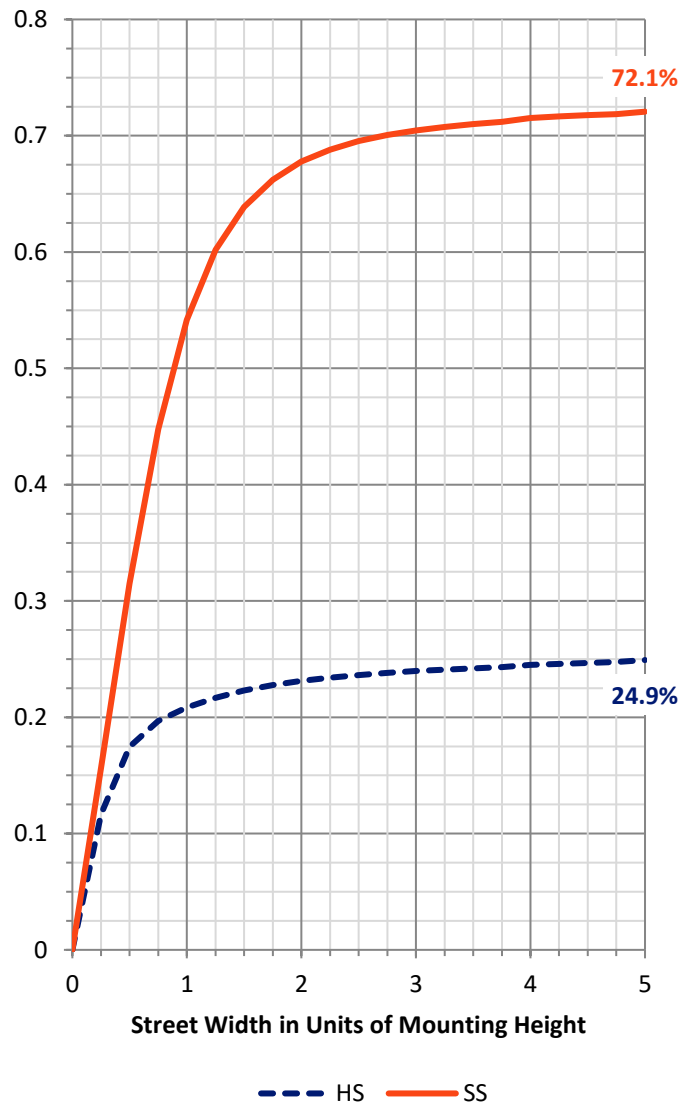
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2192.9	60.6	2253.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	6111.5	60.0	6171.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	8304.4	120.6	8425.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	141.5	1.7
10°-20°	423.6	5.0
20°-30°	716.8	8.5
30°-40°	1048.7	12.4
40°-50°	1370.8	16.3
50°-60°	1595.0	18.9
60°-70°	1595.8	18.9
70°-80°	1101.1	13.1
80°-90°	311.2	3.7
90°-100°	102.6	1.2
100°-110°	14.1	0.2
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	8304.4	98.6
0°-180°	8425.0	100.0

Coefficient of Utilization



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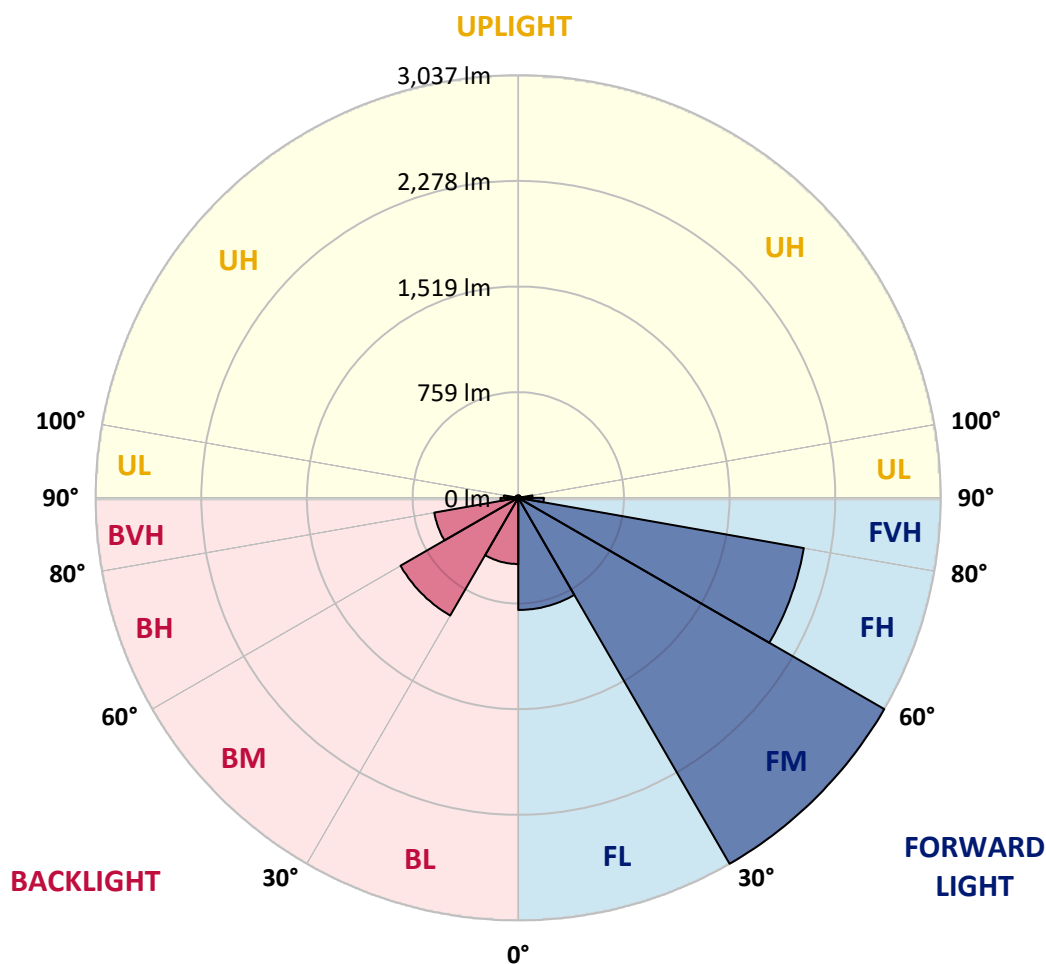
CATALOG NUMBER: CRTK2-C01-5TLD-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	806.0	9.6			
FM	(30°-60°)	3037.4	36.1			
FH	(60°-80°)	2084.3	24.7			G2/5000
FVH	(80°-90°)	183.8	2.2			G2/225
BL	(0°-30°)	475.9	5.6	B1/500		
BM	(30°-60°)	977.1	11.6	B1/1000		
BH	(60°-80°)	612.5	7.3	B2/1000		G2/1000
BVH	(80°-90°)	127.4	1.5			G2/225
UL	(90°-100°)	102.6	1.2		U3/500	
UH	(100°-180°)	18.0	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°	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0
2.5°	1547.6	1544.8	1544.8	1530.8	1516.8	1514.0	1505.6	1494.4	1494.4	1486.0	1472.0
5°	1639.9	1637.1	1639.9	1620.3	1600.7	1583.9	1556.0	1542.0	1539.2	1519.6	1491.6
7.5°	1704.3	1701.5	1698.7	1681.9	1673.5	1656.7	1617.5	1575.5	1569.9	1550.4	1514.0
10°	1729.5	1732.3	1746.2	1718.3	1701.5	1687.5	1665.1	1614.7	1609.1	1564.3	1508.4
12.5°	1796.6	1799.4	1791.0	1757.4	1751.8	1740.7	1704.3	1662.3	1656.7	1600.7	1522.4
15°	1866.6	1866.6	1855.4	1835.8	1821.8	1810.6	1765.8	1721.1	1718.3	1651.1	1558.8
17.5°	1897.4	1903.0	1905.8	1880.6	1875.0	1872.2	1849.8	1793.8	1788.2	1723.9	1609.1
20°	1917.0	1919.8	1922.6	1919.8	1922.6	1919.8	1930.9	1886.2	1872.2	1805.0	1665.1
22.5°	1956.1	1961.7	1981.3	1981.3	1989.7	2009.3	2000.9	2006.5	2000.9	1919.8	1760.2
25°	1975.7	1984.1	2009.3	2040.1	2076.5	2098.9	2129.6	2152.0	2154.8	2082.1	1905.8
27.5°	1944.9	1964.5	2028.9	2076.5	2160.4	2219.2	2292.0	2328.3	2333.9	2264.0	2062.5
30°	1984.1	1984.1	2023.3	2090.5	2194.0	2331.1	2443.1	2499.0	2504.6	2451.5	2219.2
32.5°	1911.4	1928.2	2017.7	2146.4	2294.8	2451.5	2560.6	2669.7	2683.7	2666.9	2443.1
35°	1903.0	1911.4	1967.3	2101.7	2300.3	2563.4	2714.5	2857.2	2885.2	2890.8	2658.6
37.5°	1824.6	1835.8	1939.3	2107.3	2378.7	2641.8	2834.9	3069.9	3095.1	3134.3	2846.1
40°	1726.7	1743.5	1827.4	2014.9	2356.3	2734.1	2963.6	3293.8	3330.2	3377.8	3092.3
42.5°	1597.9	1628.7	1771.4	1972.9	2345.1	2764.9	3086.7	3517.7	3551.3	3601.6	3299.4
45°	1488.8	1497.2	1611.9	1821.8	2255.6	2806.9	3201.5	3769.5	3791.9	3817.1	3467.3
47.5°	1390.8	1407.6	1505.6	1701.5	2160.4	2798.5	3302.2	4007.4	4046.6	4122.2	3671.6
50°	1099.8	1139.0	1416.0	1597.9	2014.9	2773.3	3386.2	4287.3	4351.6	4379.6	3903.9
52.5°	951.5	962.7	1102.6	1497.2	1852.6	2689.3	3458.9	4592.3	4665.1	4600.7	4183.7
55°	878.7	889.9	954.3	1292.9	1726.7	2518.6	3514.9	4880.5	4925.3	4774.2	4390.8
57.5°	839.5	847.9	881.5	1046.6	1572.7	2247.2	3520.5	5023.3	5040.1	4911.3	4497.2
60°	772.4	780.8	839.5	912.3	1402.0	1958.9	3422.5	5104.4	5191.2	5079.2	4701.4
62.5°	727.6	733.2	772.4	831.1	1236.9	1723.9	3137.1	5336.7	5378.7	5227.6	4771.4
65°	671.6	677.2	713.6	766.8	1130.6	1592.3	3014.0	5241.5	5087.6	5191.2	4863.8
67.5°	607.3	615.7	649.2	694.0	954.3	1463.6	2658.6	4886.1	4777.0	5006.5	4623.1
70°	548.5	554.1	590.5	615.7	783.6	1295.7	2208.0	4609.1	4723.8	4721.0	4404.8
72.5°	484.1	489.7	520.5	542.9	654.8	1097.0	1751.8	4290.1	4323.6	4203.3	3898.3
75°	417.0	419.8	447.8	470.1	537.3	878.7	1278.9	3548.5	3780.7	4018.6	3372.2
77.5°	335.8	344.2	366.6	377.8	431.0	702.4	833.9	2101.7	2401.1	3534.5	3014.0
80°	251.9	251.9	268.7	274.3	319.0	523.3	526.1	1013.0	1088.6	2247.2	2238.8
82.5°	159.5	167.9	184.7	181.9	215.5	299.4	333.0	562.5	604.5	889.9	993.5
85°	128.7	131.5	142.7	134.3	142.7	162.3	187.5	355.4	369.4	542.9	540.1
87.5°	106.3	109.1	117.5	111.9	114.7	123.1	145.5	237.9	243.5	349.8	361.0
90°	81.2	84.0	95.1	92.3	89.6	100.7	120.3	181.9	190.3	277.0	296.6
92.5°	53.2	53.2	61.6	61.6	61.6	72.8	106.3	139.9	145.5	251.9	265.9
95°	39.2	39.2	42.0	44.8	42.0	53.2	78.4	125.9	137.1	235.1	229.5
97.5°	25.2	25.2	28.0	30.8	28.0	33.6	44.8	89.6	100.7	181.9	179.1
100°	16.8	16.8	16.8	16.8	16.8	16.8	25.2	58.8	67.2	114.7	111.9
102.5°	11.2	11.2	11.2	11.2	8.4	8.4	11.2	28.0	30.8	61.6	58.8
105°	2.8	2.8	5.6	5.6	5.6	2.8	2.8	11.2	14.0	25.2	25.2
107.5°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	2.8	2.8
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	2.8
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	2.8
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8	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	2.8	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°	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0	1472.0
2.5°	1466.4	1458.0	1444.0	1430.0	1421.6	1413.2	1399.2	1388.0	1388.0	1402.0	1402.0
5°	1472.0	1455.2	1427.2	1416.0	1402.0	1382.4	1360.1	1343.3	1334.9	1346.1	1348.9
7.5°	1486.0	1460.8	1432.8	1407.6	1360.1	1323.7	1304.1	1281.7	1278.9	1290.1	1295.7
10°	1474.8	1449.6	1416.0	1368.5	1318.1	1290.1	1253.7	1225.7	1225.7	1217.3	1222.9
12.5°	1486.0	1452.4	1385.2	1334.9	1290.1	1228.5	1183.8	1155.8	1153.0	1161.4	1161.4
15°	1514.0	1463.6	1376.9	1315.3	1242.5	1181.0	1136.2	1105.4	1113.8	1097.0	1099.8
17.5°	1547.6	1472.0	1376.9	1270.5	1189.4	1130.6	1069.0	1032.6	1035.4	1038.2	1041.0
20°	1589.5	1494.4	1362.9	1236.9	1139.0	1055.0	985.1	957.1	948.7	954.3	957.1
22.5°	1653.9	1544.8	1357.3	1220.1	1069.0	987.9	926.3	870.3	864.7	864.7	864.7
25°	1760.2	1620.3	1382.4	1164.2	1032.6	909.5	839.5	786.4	761.2	764.0	766.8
27.5°	1922.6	1740.7	1407.6	1167.0	948.7	839.5	752.8	694.0	680.0	682.8	685.6
30°	2093.3	1903.0	1472.0	1111.0	901.1	733.2	643.6	601.7	584.9	576.5	579.3
32.5°	2224.8	2045.7	1561.5	1094.2	814.4	618.5	562.5	528.9	506.5	498.1	498.1
35°	2434.7	2185.6	1634.3	1052.2	724.8	545.7	500.9	464.5	453.4	447.8	447.8
37.5°	2613.8	2339.5	1709.9	1035.4	615.7	489.7	433.8	411.4	411.4	405.8	403.0
40°	2806.9	2501.8	1751.8	985.1	531.7	431.0	375.0	372.2	380.6	380.6	380.6
42.5°	3039.1	2669.7	1796.6	926.3	467.3	363.8	333.0	355.4	375.0	380.6	380.6
45°	3212.7	2776.1	1816.2	800.4	403.0	316.2	327.4	349.8	375.0	383.4	380.6
47.5°	3361.0	2930.0	1788.2	646.4	347.0	307.8	321.8	341.4	372.2	383.4	383.4
50°	3509.3	3061.5	1768.6	467.3	324.6	307.8	321.8	330.2	363.8	377.8	377.8
52.5°	3727.6	3165.1	1690.3	391.8	307.8	310.6	327.4	327.4	358.2	375.0	383.4
55°	4007.4	3402.9	1542.0	366.6	302.2	307.8	330.2	330.2	352.6	369.4	375.0
57.5°	4122.2	3486.9	1287.3	344.2	296.6	307.8	321.8	327.4	355.4	366.6	363.8
60°	4273.3	3624.0	1055.0	321.8	285.4	302.2	310.6	330.2	352.6	355.4	352.6
62.5°	4354.4	3640.8	873.1	299.4	277.0	293.8	296.6	319.0	341.4	349.8	352.6
65°	4399.2	3624.0	646.4	277.0	268.7	282.6	285.4	305.0	327.4	333.0	335.8
67.5°	4236.9	3509.3	447.8	254.7	260.3	268.7	274.3	293.8	310.6	327.4	333.0
70°	3945.9	3176.3	319.0	226.7	246.3	254.7	265.9	285.4	302.2	324.6	330.2
72.5°	3624.0	2557.8	235.1	193.1	226.7	237.9	257.5	271.5	296.6	324.6	333.0
75°	3321.8	2244.4	187.5	165.1	193.1	218.3	243.5	263.1	299.4	397.4	411.4
77.5°	2356.3	1516.8	167.9	145.5	165.1	190.3	223.9	257.5	417.0	472.9	475.7
80°	1709.9	892.7	151.1	128.7	142.7	153.9	204.3	316.2	461.7	436.6	436.6
82.5°	856.3	478.5	142.7	114.7	123.1	125.9	181.9	403.0	372.2	389.0	391.8
85°	414.2	232.3	117.5	100.7	106.3	103.5	170.7	383.4	352.6	355.4	349.8
87.5°	260.3	142.7	92.3	84.0	86.8	84.0	162.3	366.6	369.4	302.2	307.8
90°	235.1	167.9	72.8	67.2	58.8	70.0	145.5	341.4	361.0	218.3	181.9
92.5°	226.7	181.9	53.2	47.6	42.0	56.0	109.1	277.0	221.1	92.3	56.0
95°	201.5	159.5	44.8	33.6	39.2	47.6	70.0	184.7	148.3	0.0	0.0
97.5°	151.1	117.5	36.4	22.4	125.9	42.0	39.2	120.3	42.0	0.0	0.0
100°	95.1	72.8	28.0	16.8	142.7	28.0	25.2	70.0	0.0	0.0	0.0
102.5°	53.2	39.2	14.0	11.2	61.6	14.0	16.8	16.8	0.0	0.0	0.0
105°	22.4	19.6	5.6	5.6	5.6	2.8	8.4	0.0	0.0	0.0	0.0
107.5°	5.6	8.4	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	2.8	2.8	2.8	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°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
120°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
130°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
135°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
137.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
140°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
142.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
145°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
147.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
150°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
152.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
155°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
157.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
160°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
162.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
165°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.8	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.8	2.8	2.8	2.8	2.8	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)