

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: P691764

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691764
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9157 lumens
Efficiency: N/A
Efficacy: 122.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

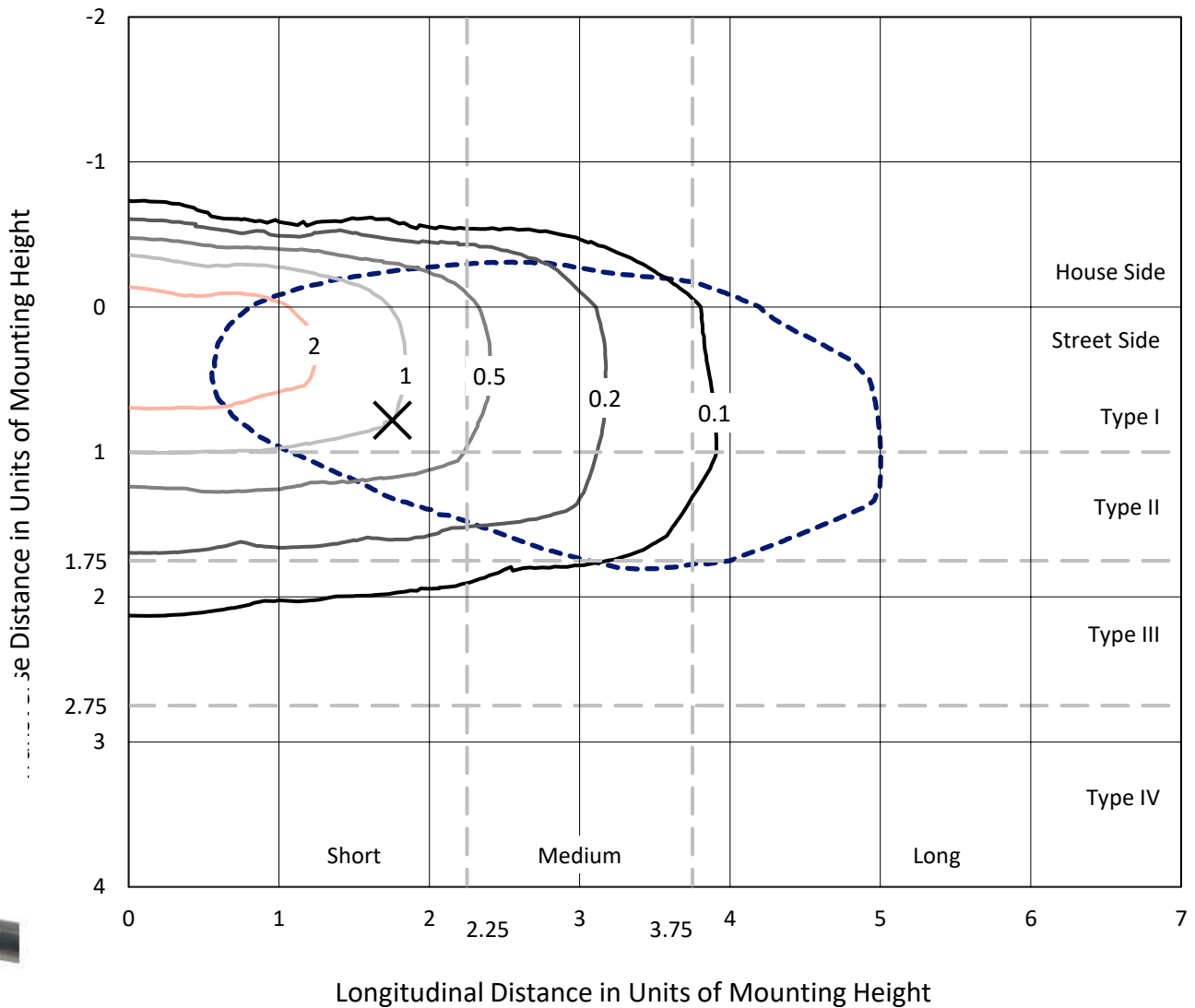
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

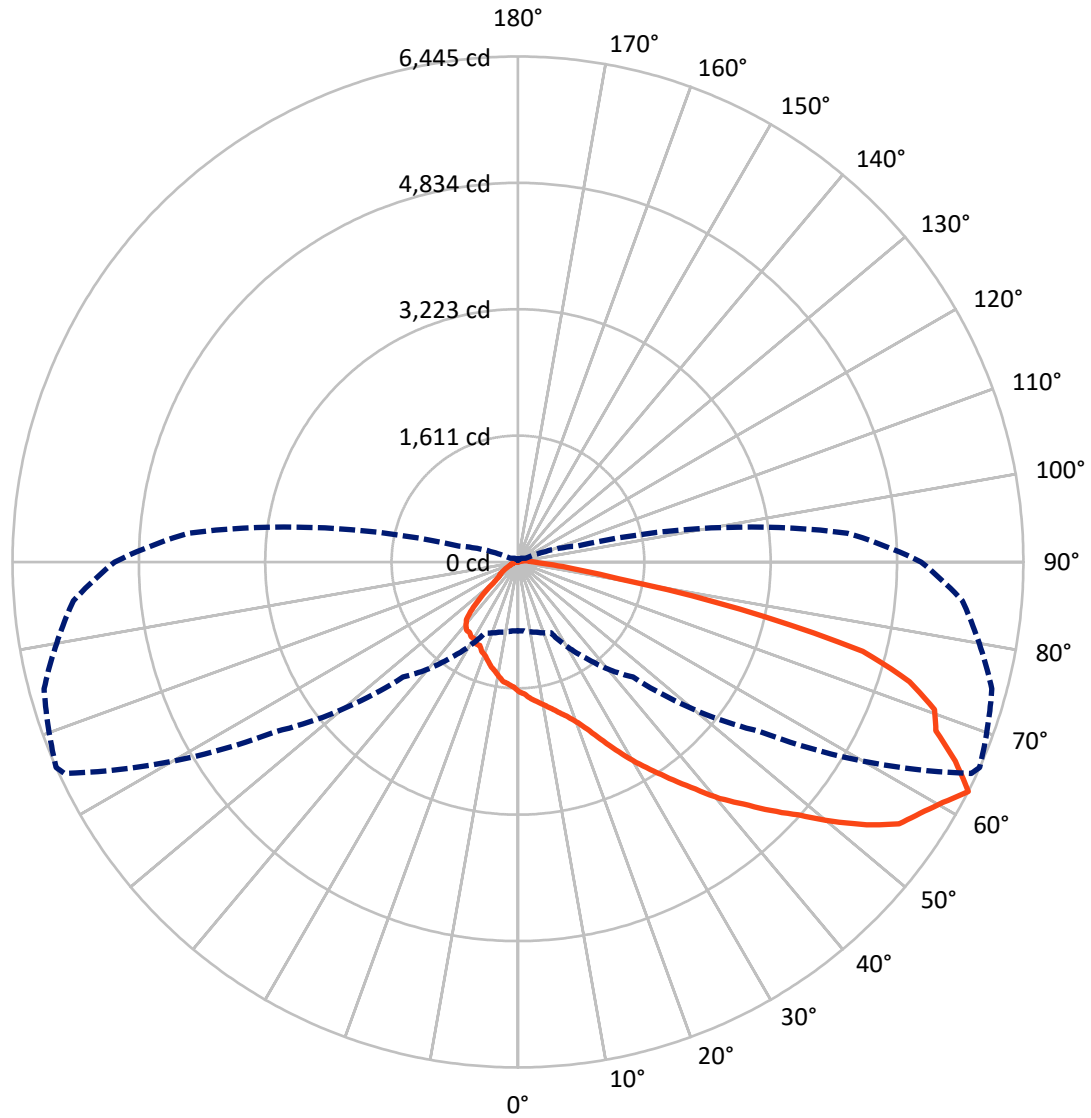
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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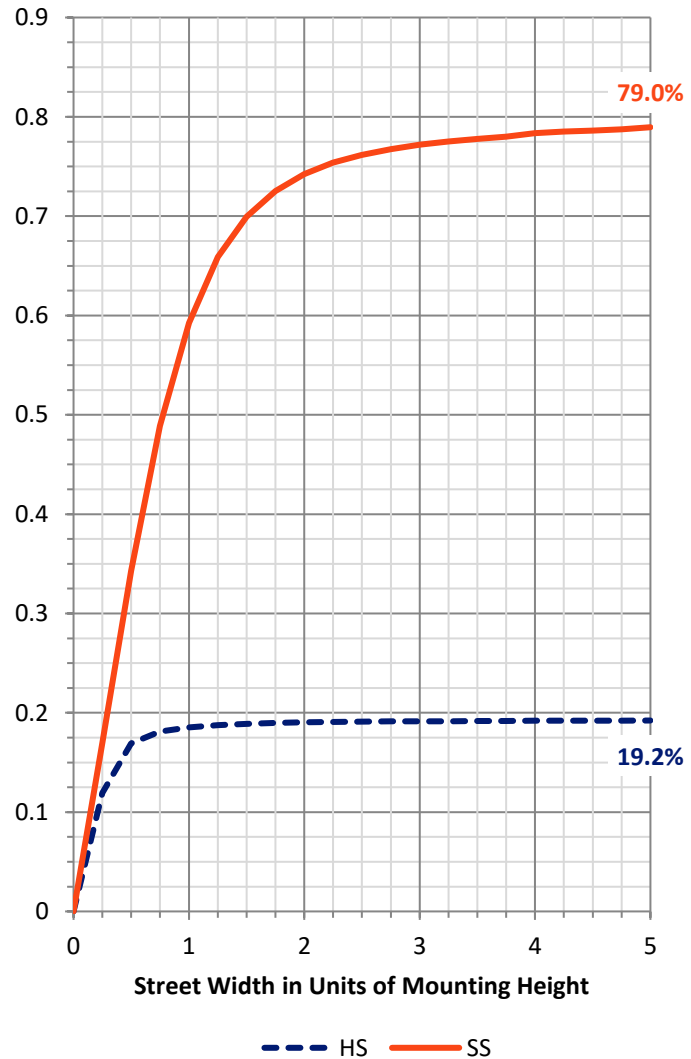
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1785.3	25.2	1810.5
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	7276.7	69.8	7346.5
	% Fixture	79.5	0.8	80.2
Total	Lumens	9062.0	95.0	9157.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	157.2	1.7
10°-20°	460.7	5.0
20°-30°	775.3	8.5
30°-40°	1152.9	12.6
40°-50°	1525.4	16.7
50°-60°	1776.1	19.4
60°-70°	1773.1	19.4
70°-80°	1189.9	13.0
80°-90°	251.4	2.7
90°-100°	76.6	0.8
100°-110°	13.4	0.1
110°-120°	1.0	0.0
120°-130°	1.2	0.0
130°-140°	1.1	0.0
140°-150°	0.8	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9062.0	99.0
0°-180°	9157.0	100.0

Coefficient of Utilization



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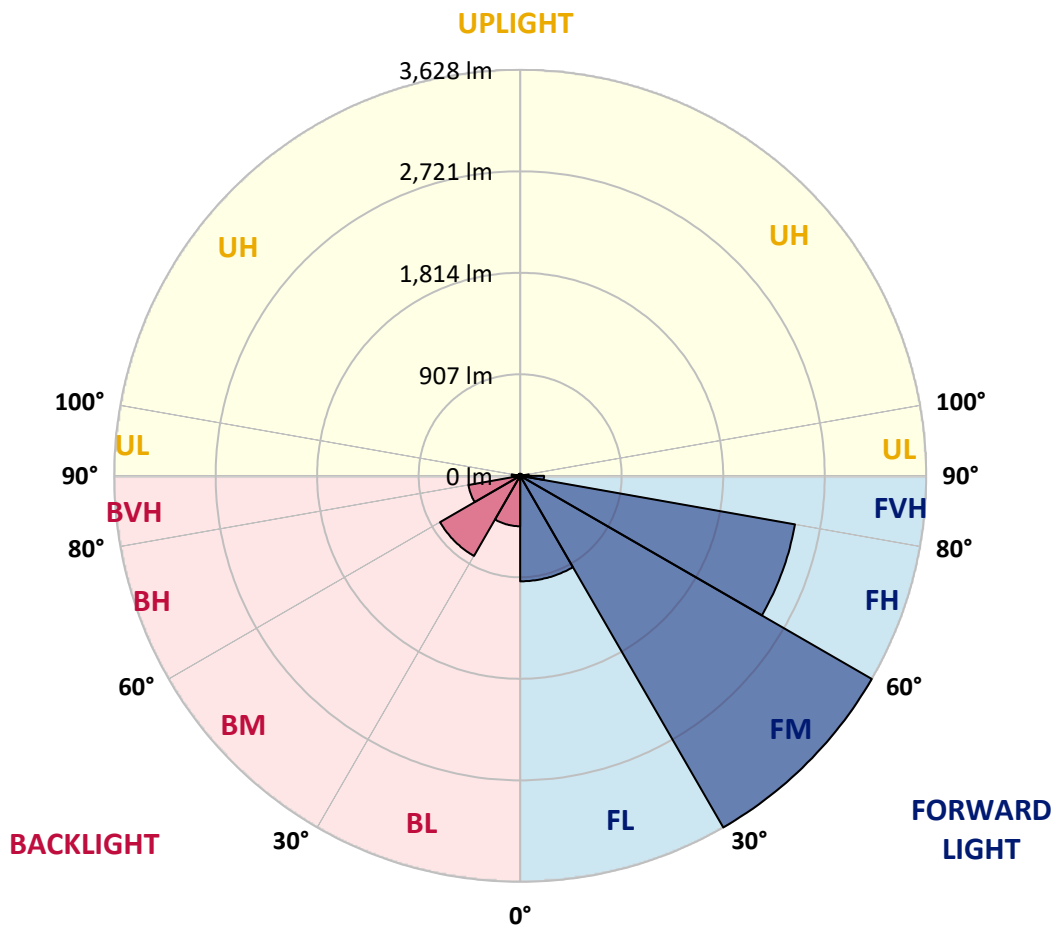
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	942.7	10.3			
FM (30°-60°)	3627.7	39.6			
FH (60°-80°)	2493.5	27.2			G2/5000
FVH (80°-90°)	212.7	2.3			G2/225
BL (0°-30°)	450.5	4.9	B1/500		
BM (30°-60°)	826.7	9.0	B1/1000		
BH (60°-80°)	469.5	5.1	B1/500		G1/500
BVH (80°-90°)	38.7	0.4			G1/100
UL (90°-100°)	76.6	0.8		U3/500	
UH (100°-180°)	18.5	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4
2.5°	1766.0	1755.9	1759.3	1742.4	1725.4	1715.3	1705.1	1688.2	1688.2	1674.7	1657.8
5°	1891.2	1894.6	1891.2	1870.9	1850.6	1820.2	1783.0	1752.5	1752.5	1722.1	1681.5
7.5°	1975.8	1972.4	1972.4	1948.7	1935.2	1918.3	1874.3	1806.6	1803.3	1762.7	1711.9
10°	2009.6	2013.0	2026.5	1992.7	1979.2	1955.5	1931.8	1864.1	1857.4	1789.7	1708.5
12.5°	2084.1	2087.4	2080.7	2053.6	2036.7	2019.8	1982.6	1925.0	1918.3	1843.8	1732.2
15°	2172.0	2172.0	2161.9	2134.8	2124.7	2101.0	2057.0	2002.9	1996.1	1911.5	1776.2
17.5°	2219.4	2226.2	2226.2	2188.9	2192.3	2182.2	2158.5	2087.4	2077.3	1999.5	1837.1
20°	2243.1	2246.5	2253.2	2253.2	2249.8	2246.5	2260.0	2195.7	2188.9	2097.6	1908.1
22.5°	2310.7	2317.5	2334.4	2324.3	2334.4	2347.9	2351.3	2347.9	2337.8	2239.7	2026.5
25°	2341.2	2361.5	2385.2	2415.6	2446.1	2466.4	2513.7	2537.4	2530.6	2435.9	2212.6
27.5°	2307.3	2327.6	2412.2	2469.7	2564.5	2622.0	2710.0	2747.2	2743.8	2666.0	2405.5
30°	2364.9	2371.6	2408.8	2490.0	2611.8	2770.8	2892.6	2950.2	2963.7	2892.6	2608.5
32.5°	2280.3	2304.0	2408.8	2561.1	2743.8	2912.9	3031.4	3159.9	3176.8	3146.4	2875.7
35°	2273.5	2290.4	2347.9	2513.7	2747.2	3061.8	3224.2	3400.1	3413.7	3423.8	3146.4
37.5°	2178.8	2202.5	2317.5	2527.3	2848.7	3159.9	3386.6	3640.3	3674.2	3714.8	3373.1
40°	2073.9	2090.8	2188.9	2412.2	2825.0	3274.9	3542.2	3931.3	3965.1	4015.9	3674.2
42.5°	1918.3	1955.5	2121.3	2361.5	2811.4	3308.8	3697.8	4188.4	4218.9	4289.9	3927.9
45°	1779.6	1796.5	1925.0	2188.9	2703.2	3369.7	3829.8	4489.5	4520.0	4553.8	4127.5
47.5°	1671.3	1691.6	1813.4	2050.2	2594.9	3356.1	3951.6	4787.2	4821.1	4898.9	4374.5
50°	1326.2	1377.0	1684.8	1914.9	2415.6	3329.1	4056.5	5118.8	5196.6	5227.1	4631.6
52.5°	1140.1	1157.1	1316.1	1793.1	2239.7	3231.0	4147.8	5480.8	5568.8	5511.2	4976.7
55°	1062.3	1072.5	1150.3	1552.9	2080.7	3031.4	4222.2	5829.3	5893.6	5710.9	5230.4
57.5°	1004.8	1021.7	1055.6	1258.6	1894.6	2696.4	4225.6	6022.1	6045.8	5876.6	5352.2
60°	930.4	937.1	1008.2	1096.2	1684.8	2347.9	4110.6	6120.2	6225.1	6069.5	5599.2
62.5°	876.3	883.0	927.0	998.0	1485.2	2073.9	3772.3	6380.7	6445.0	6255.6	5690.6
65°	808.6	818.7	856.0	927.0	1346.5	1908.1	3603.1	6313.1	6127.0	6211.6	5795.4
67.5°	737.5	744.3	784.9	839.0	1146.9	1749.1	3183.6	5883.4	5748.1	5991.7	5514.6
70°	663.1	669.9	707.1	744.3	943.9	1552.9	2652.4	5518.0	5633.0	5646.6	5250.7
72.5°	585.3	592.1	625.9	656.3	781.5	1305.9	2107.7	5152.6	5223.7	5017.3	4638.4
75°	507.5	510.9	537.9	568.4	649.6	1052.2	1508.9	4273.0	4543.7	4794.0	4002.3
77.5°	409.4	416.1	443.2	453.4	521.0	849.2	977.7	2540.8	2896.0	4195.2	3593.0
80°	301.1	304.5	331.6	328.2	389.1	619.1	615.7	1207.8	1299.2	2591.5	2638.9
82.5°	199.6	206.4	230.1	223.3	263.9	375.5	385.7	649.6	693.6	1004.8	1157.1
85°	159.0	162.4	175.9	162.4	175.9	189.5	213.1	392.5	399.2	595.4	592.1
87.5°	128.6	131.9	145.5	135.3	138.7	145.5	169.2	250.4	257.1	375.5	389.1
90°	101.5	104.9	121.8	111.6	111.6	121.8	142.1	186.1	196.2	294.3	318.0
92.5°	67.7	67.7	77.8	74.4	74.4	88.0	125.2	138.7	148.9	274.0	287.6
95°	50.7	50.7	54.1	54.1	54.1	64.3	94.7	131.9	145.5	267.3	260.5
97.5°	33.8	33.8	37.2	37.2	37.2	40.6	54.1	108.3	121.8	216.5	213.1
100°	23.7	23.7	23.7	20.3	20.3	20.3	30.4	71.0	81.2	138.7	138.7
102.5°	16.9	13.5	13.5	13.5	10.1	10.1	13.5	33.8	37.2	74.4	71.0
105°	3.4	3.4	6.8	6.8	6.8	3.4	3.4	13.5	13.5	30.4	30.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	3.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.4
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	0.0	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°	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4	1654.4
2.5°	1647.6	1637.5	1613.8	1593.5	1576.6	1559.7	1532.6	1522.4	1515.7	1525.8	1525.8
5°	1657.8	1630.7	1590.1	1556.3	1525.8	1488.6	1448.0	1424.3	1404.0	1414.2	1414.2
7.5°	1674.7	1637.5	1586.7	1529.2	1451.4	1387.1	1336.4	1305.9	1289.0	1299.2	1305.9
10°	1664.5	1623.9	1556.3	1468.3	1377.0	1309.3	1245.0	1197.7	1180.7	1174.0	1180.7
12.5°	1674.7	1627.3	1512.3	1407.4	1319.5	1211.2	1133.4	1082.6	1062.3	1062.3	1062.3
15°	1708.5	1637.5	1485.2	1363.4	1228.1	1123.2	1042.0	987.9	981.1	957.4	957.4
17.5°	1755.9	1647.6	1475.1	1295.8	1146.9	1038.6	943.9	889.8	872.9	876.3	876.3
20°	1803.3	1667.9	1454.8	1238.3	1072.5	943.9	845.8	795.1	754.5	740.9	747.7
22.5°	1884.4	1725.4	1437.9	1207.8	987.9	866.1	757.8	673.3	605.6	585.3	575.1
25°	2002.9	1816.8	1461.5	1136.8	937.1	778.1	649.6	531.2	450.0	429.7	426.3
27.5°	2219.4	1958.9	1488.6	1136.8	856.0	700.3	517.6	392.5	328.2	307.9	314.6
30°	2422.4	2151.7	1566.4	1075.9	822.1	561.6	385.7	294.3	236.8	213.1	219.9
32.5°	2591.5	2334.4	1674.7	1062.3	724.0	416.1	280.8	206.4	165.8	152.2	155.6
35°	2835.1	2490.0	1759.3	1015.0	595.4	304.5	196.2	145.5	128.6	121.8	121.8
37.5°	3068.6	2679.5	1843.8	1004.8	439.8	223.3	131.9	118.4	115.0	104.9	104.9
40°	3291.9	2872.3	1881.1	947.3	311.3	145.5	111.6	108.3	104.9	94.7	94.7
42.5°	3565.9	3058.4	1914.9	872.9	216.5	108.3	98.1	101.5	98.1	88.0	84.6
45°	3775.7	3183.6	1925.0	683.4	138.7	101.5	91.3	94.7	91.3	81.2	81.2
47.5°	3951.6	3352.8	1884.4	466.9	115.0	94.7	84.6	88.0	84.6	77.8	74.4
50°	4130.9	3508.4	1847.2	250.4	108.3	91.3	81.2	74.4	77.8	71.0	67.7
52.5°	4374.5	3623.4	1749.1	152.2	101.5	84.6	74.4	67.7	67.7	60.9	64.3
55°	4709.4	3907.6	1566.4	142.1	98.1	81.2	71.0	60.9	60.9	54.1	54.1
57.5°	4858.3	4019.3	1272.1	128.6	94.7	81.2	64.3	54.1	47.4	44.0	40.6
60°	5041.0	4185.0	1001.4	118.4	88.0	77.8	57.5	47.4	37.2	33.8	33.8
62.5°	5142.5	4218.9	781.5	108.3	84.6	67.7	50.7	37.2	30.4	23.7	23.7
65°	5193.2	4195.2	521.0	98.1	77.8	64.3	44.0	30.4	20.3	16.9	16.9
67.5°	5000.4	4070.0	301.1	91.3	74.4	57.5	37.2	23.7	16.9	13.5	10.1
70°	4672.2	3704.6	189.5	81.2	71.0	50.7	33.8	20.3	13.5	10.1	6.8
72.5°	4286.5	3024.6	138.7	74.4	67.7	44.0	27.1	16.9	10.1	6.8	6.8
75°	3914.4	2635.5	118.4	64.3	57.5	37.2	23.7	13.5	10.1	6.8	3.4
77.5°	2801.3	1796.5	104.9	57.5	50.7	30.4	16.9	13.5	6.8	3.4	3.4
80°	1989.3	1055.6	94.7	47.4	40.6	23.7	16.9	10.1	6.8	3.4	3.4
82.5°	954.1	548.1	91.3	40.6	30.4	20.3	13.5	10.1	6.8	3.4	3.4
85°	433.1	233.4	67.7	37.2	27.1	20.3	13.5	10.1	6.8	6.8	3.4
87.5°	263.9	121.8	54.1	30.4	20.3	16.9	10.1	6.8	6.8	6.8	6.8
90°	247.0	159.0	40.6	23.7	16.9	13.5	10.1	3.4	0.0	0.0	0.0
92.5°	236.8	182.7	30.4	16.9	10.1	10.1	3.4	0.0	0.0	0.0	0.0
95°	223.3	172.5	33.8	10.1	16.9	6.8	3.4	0.0	0.0	0.0	0.0
97.5°	175.9	135.3	37.2	10.1	84.6	6.8	3.4	0.0	0.0	0.0	0.0
100°	111.6	84.6	27.1	10.1	101.5	6.8	0.0	0.0	0.0	0.0	0.0
102.5°	64.3	47.4	13.5	10.1	30.4	3.4	0.0	0.0	0.0	0.0	0.0
105°	27.1	23.7	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
107.5°	6.8	6.8	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
110°	3.4	3.4	3.4	3.4	3.4	3.4	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°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
115°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
117.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
120°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
122.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
125°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
127.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
130°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0
132.5°	3.4	3.4	3.4	6.8	3.4	3.4	3.4	0.0	0.0	0.0	0.0
135°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
137.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
140°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
142.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
145°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
147.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
150°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
152.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
155°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
157.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
160°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
162.5°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
165°	3.4	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0
167.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
170°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
172.5°	3.4	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.4	3.4	3.4	3.4	3.4	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.4	3.4	3.4	3.4	3.4	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)