

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: P691755

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691755
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-C01H-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: 9777.9 lumens
Efficiency: N/A
Efficacy: 130.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

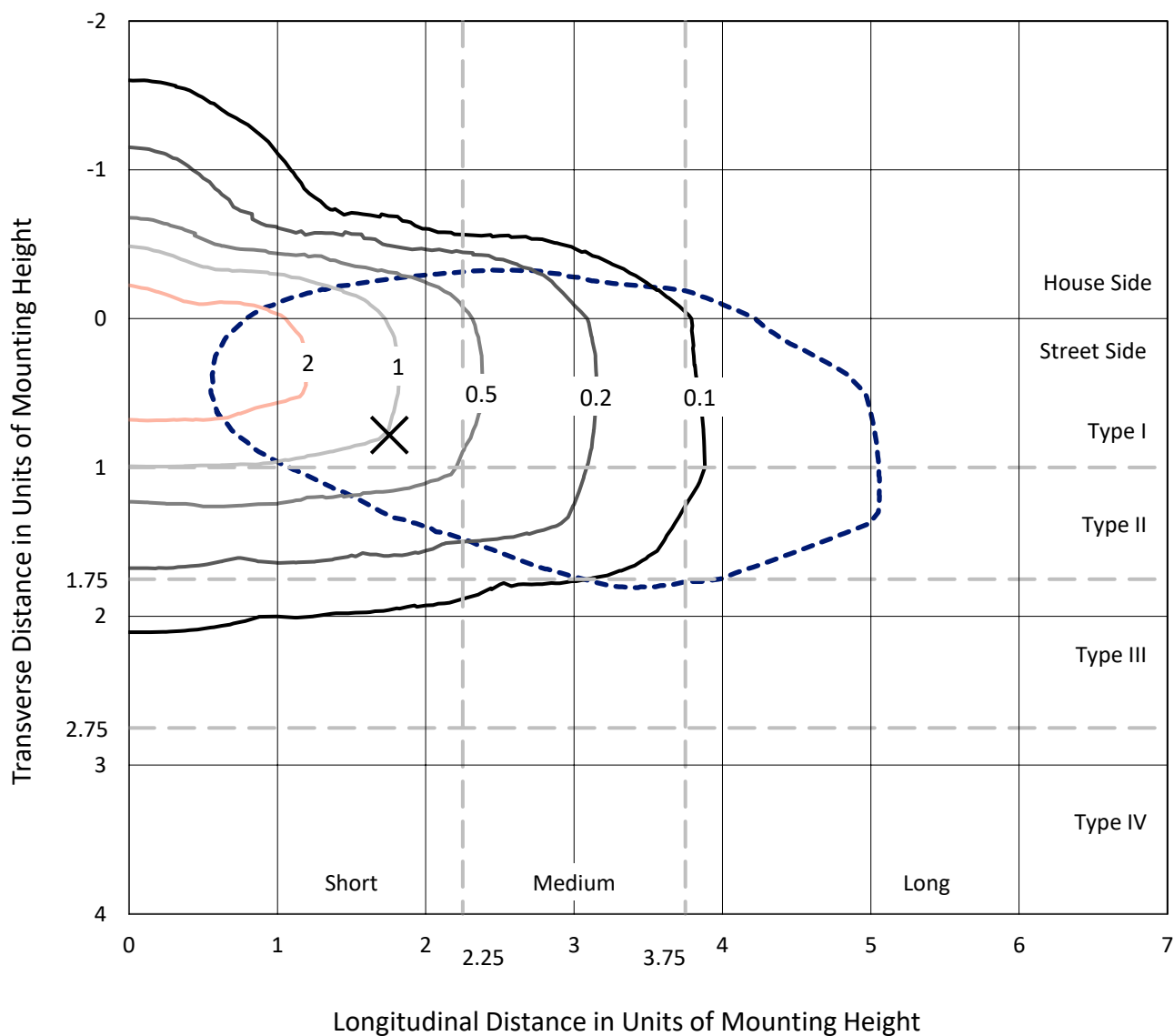
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

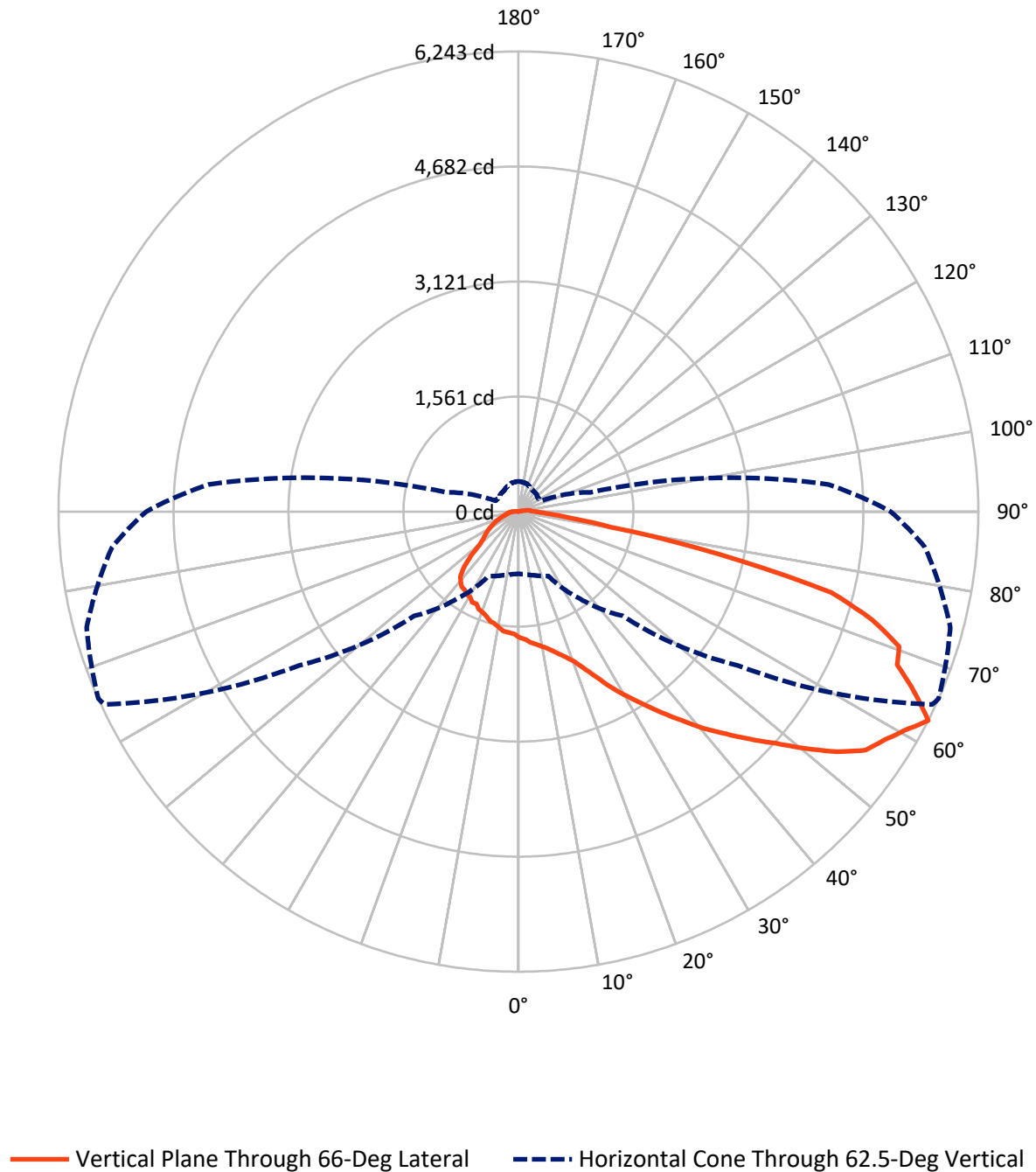
× Max cd
 - - - 1/2 Max cd



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



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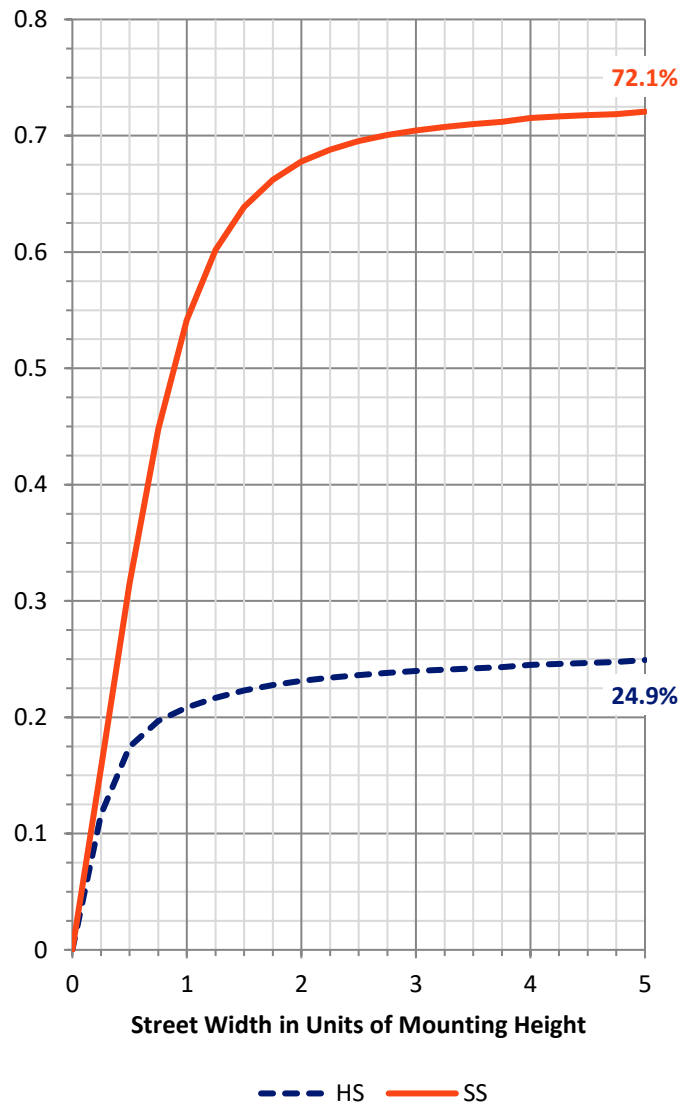
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2545.1	70.3	2615.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	7093.0	69.6	7162.6
	% Fixture	72.5	0.7	73.3
Total	Lumens	9638.1	139.8	9777.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	164.2	1.7
10°-20°	491.6	5.0
20°-30°	831.9	8.5
30°-40°	1217.1	12.4
40°-50°	1590.9	16.3
50°-60°	1851.2	18.9
60°-70°	1852.0	18.9
70°-80°	1277.9	13.1
80°-90°	361.2	3.7
90°-100°	119.1	1.2
100°-110°	16.3	0.2
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.9	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°	9638.1	98.6
0°-180°	9777.9	100.0

Coefficient of Utilization



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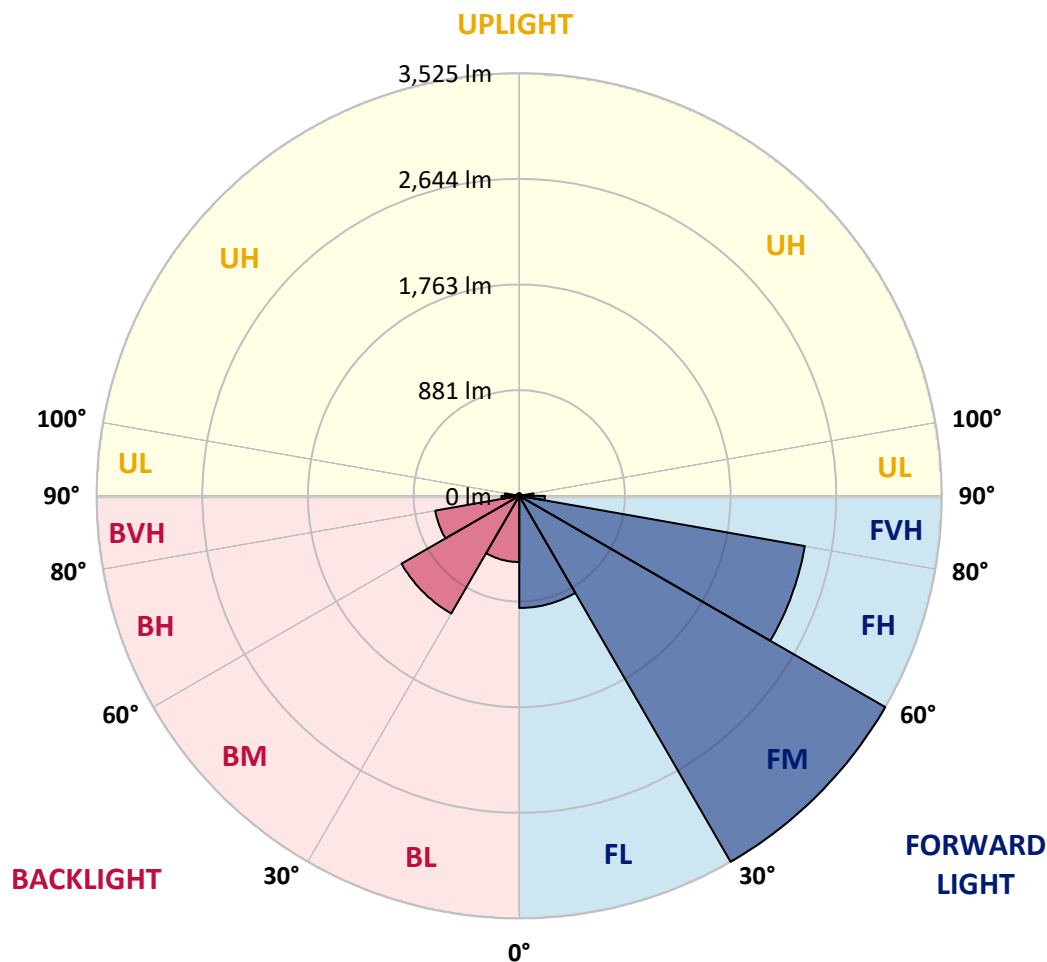
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	935.4	9.6			
FM	(30°-60°)	3525.2	36.1			
FH	(60°-80°)	2419.0	24.7			G2/5000
FVH	(80°-90°)	213.3	2.2			G2/225
BL	(0°-30°)	552.4	5.6	B2/1000		
BM	(30°-60°)	1134.0	11.6	B2/2500		
BH	(60°-80°)	710.9	7.3	B2/1000		G2/1000
BVH	(80°-90°)	147.9	1.5			G2/225
UL	(90°-100°)	119.1	1.2		U3/500	
UH	(100°-180°)	20.8	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°	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4
2.5°	1796.1	1792.8	1792.8	1776.6	1760.4	1757.1	1747.4	1734.4	1734.4	1724.6	1708.4
5°	1903.3	1900.0	1903.3	1880.5	1857.8	1838.3	1805.8	1789.6	1786.3	1763.6	1731.1
7.5°	1978.0	1974.7	1971.5	1952.0	1942.2	1922.8	1877.3	1828.6	1822.1	1799.3	1757.1
10°	2007.2	2010.4	2026.7	1994.2	1974.7	1958.5	1932.5	1874.0	1867.5	1815.6	1750.6
12.5°	2085.1	2088.4	2078.7	2039.7	2033.2	2020.2	1978.0	1929.2	1922.8	1857.8	1766.9
15°	2166.3	2166.3	2153.4	2130.6	2114.4	2101.4	2049.4	1997.5	1994.2	1916.3	1809.1
17.5°	2202.1	2208.6	2211.8	2182.6	2176.1	2172.8	2146.9	2081.9	2075.4	2000.7	1867.5
20°	2224.8	2228.1	2231.3	2228.1	2231.3	2228.1	2241.0	2189.1	2172.8	2094.9	1932.5
22.5°	2270.3	2276.8	2299.5	2299.5	2309.3	2332.0	2322.2	2328.7	2322.2	2228.1	2042.9
25°	2293.0	2302.8	2332.0	2367.7	2409.9	2435.9	2471.6	2497.6	2500.9	2416.4	2211.8
27.5°	2257.3	2280.0	2354.7	2409.9	2507.4	2575.6	2660.0	2702.2	2708.7	2627.5	2393.7
30°	2302.8	2302.8	2348.2	2426.2	2546.3	2705.5	2835.4	2900.4	2906.9	2845.2	2575.6
32.5°	2218.3	2237.8	2341.7	2491.1	2663.3	2845.2	2971.8	3098.5	3114.7	3095.2	2835.4
35°	2208.6	2218.3	2283.3	2439.2	2669.8	2975.1	3150.5	3316.1	3348.6	3355.1	3085.5
37.5°	2117.6	2130.6	2250.8	2445.7	2760.7	3066.0	3290.1	3562.9	3592.2	3637.6	3303.1
40°	2004.0	2023.4	2120.9	2338.5	2734.7	3173.2	3439.5	3822.8	3865.0	3920.2	3588.9
42.5°	1854.5	1890.3	2055.9	2289.8	2721.7	3208.9	3582.4	4082.6	4121.6	4180.0	3829.3
45°	1727.9	1737.6	1870.8	2114.4	2617.8	3257.6	3715.6	4374.9	4400.9	4430.1	4024.1
47.5°	1614.2	1633.7	1747.4	1974.7	2507.4	3247.9	3832.5	4651.0	4696.5	4784.1	4261.2
50°	1276.4	1321.9	1643.4	1854.5	2338.5	3218.7	3930.0	4975.8	5050.5	5083.0	4530.8
52.5°	1104.3	1117.3	1279.7	1737.6	2150.1	3121.2	4014.4	5329.8	5414.2	5339.5	4855.6
55°	1019.8	1032.8	1107.5	1500.5	2004.0	2923.1	4079.4	5664.3	5716.3	5540.9	5095.9
57.5°	974.4	984.1	1023.1	1214.7	1825.3	2608.1	4085.8	5830.0	5849.5	5700.1	5219.4
60°	896.4	906.2	974.4	1058.8	1627.2	2273.5	3972.2	5924.2	6024.8	5894.9	5456.5
62.5°	844.5	850.9	896.4	964.6	1435.6	2000.7	3640.9	6193.7	6242.5	6067.1	5537.7
65°	779.5	786.0	828.2	889.9	1312.1	1848.1	3498.0	6083.3	5904.7	6024.8	5644.8
67.5°	704.8	714.5	753.5	805.5	1107.5	1698.6	3085.5	5670.8	5544.2	5810.5	5365.5
70°	636.6	643.1	685.3	714.5	909.4	1503.8	2562.6	5349.3	5482.4	5479.2	5112.2
72.5°	561.9	568.4	604.1	630.1	760.0	1273.2	2033.2	4979.0	5018.0	4878.3	4524.3
75°	483.9	487.2	519.7	545.6	623.6	1019.8	1484.3	4118.3	4387.9	4664.0	3913.7
77.5°	389.7	399.5	425.5	438.5	500.2	815.2	967.9	2439.2	2786.7	4102.1	3498.0
80°	292.3	292.3	311.8	318.3	370.3	607.4	610.6	1175.7	1263.4	2608.1	2598.3
82.5°	185.1	194.9	214.4	211.1	250.1	347.5	386.5	652.8	701.5	1032.8	1153.0
85°	149.4	152.7	165.6	155.9	165.6	188.4	217.6	412.5	428.7	630.1	626.8
87.5°	123.4	126.7	136.4	129.9	133.2	142.9	168.9	276.1	282.6	406.0	419.0
90°	94.2	97.4	110.4	107.2	103.9	116.9	139.7	211.1	220.9	321.5	344.3
92.5°	61.7	61.7	71.5	71.5	71.5	84.4	123.4	162.4	168.9	292.3	308.5
95°	45.5	45.5	48.7	52.0	48.7	61.7	90.9	146.2	159.1	272.8	266.3
97.5°	29.2	29.2	32.5	35.7	32.5	39.0	52.0	103.9	116.9	211.1	207.9
100°	19.5	19.5	19.5	19.5	19.5	19.5	29.2	68.2	77.9	133.2	129.9
102.5°	13.0	13.0	13.0	13.0	9.7	9.7	13.0	32.5	35.7	71.5	68.2
105°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	13.0	16.2	29.2	29.2
107.5°	0.0	0.0	0.0	3.2	0.0	0.0	0.0	0.0	0.0	3.2	3.2
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	3.2
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	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2	0.0	0.0	0.0	0.0	0.0	0.0	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2
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	3.2	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	3.2	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°	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4	1708.4
2.5°	1701.9	1692.2	1675.9	1659.7	1649.9	1640.2	1623.9	1611.0	1611.0	1627.2	1627.2
5°	1708.4	1688.9	1656.4	1643.4	1627.2	1604.5	1578.5	1559.0	1549.2	1562.2	1565.5
7.5°	1724.6	1695.4	1662.9	1633.7	1578.5	1536.3	1513.5	1487.5	1484.3	1497.3	1503.8
10°	1711.6	1682.4	1643.4	1588.2	1529.8	1497.3	1455.1	1422.6	1422.6	1412.8	1419.3
12.5°	1724.6	1685.7	1607.7	1549.2	1497.3	1425.8	1373.9	1341.4	1338.1	1347.9	1347.9
15°	1757.1	1698.6	1598.0	1526.5	1442.1	1370.6	1318.6	1282.9	1292.7	1273.2	1276.4
17.5°	1796.1	1708.4	1598.0	1474.5	1380.4	1312.1	1240.7	1198.5	1201.7	1205.0	1208.2
20°	1844.8	1734.4	1581.7	1435.6	1321.9	1224.5	1143.3	1110.8	1101.0	1107.5	1110.8
22.5°	1919.5	1792.8	1575.2	1416.1	1240.7	1146.5	1075.1	1010.1	1003.6	1003.6	1003.6
25°	2042.9	1880.5	1604.5	1351.1	1198.5	1055.6	974.4	912.7	883.4	886.7	889.9
27.5°	2231.3	2020.2	1633.7	1354.4	1101.0	974.4	873.7	805.5	789.2	792.5	795.7
30°	2429.4	2208.6	1708.4	1289.4	1045.8	850.9	747.0	698.3	678.8	669.1	672.3
32.5°	2582.1	2374.2	1812.3	1269.9	945.1	717.8	652.8	613.9	587.9	578.1	578.1
35°	2825.7	2536.6	1896.8	1221.2	841.2	633.3	581.4	539.2	526.2	519.7	519.7
37.5°	3033.5	2715.2	1984.5	1201.7	714.5	568.4	503.4	477.4	477.4	470.9	467.7
40°	3257.6	2903.6	2033.2	1143.3	617.1	500.2	435.2	432.0	441.7	441.7	441.7
42.5°	3527.2	3098.5	2085.1	1075.1	542.4	422.2	386.5	412.5	435.2	441.7	441.7
45°	3728.6	3221.9	2107.9	928.9	467.7	367.0	380.0	406.0	435.2	445.0	441.7
47.5°	3900.7	3400.5	2075.4	750.3	402.7	357.3	373.5	396.2	432.0	445.0	445.0
50°	4072.9	3553.2	2052.7	542.4	376.8	357.3	373.5	383.3	422.2	438.5	438.5
52.5°	4326.2	3673.4	1961.7	454.7	357.3	360.5	380.0	380.0	415.7	435.2	445.0
55°	4651.0	3949.4	1789.6	425.5	350.8	357.3	383.3	383.3	409.2	428.7	435.2
57.5°	4784.1	4046.9	1494.0	399.5	344.3	357.3	373.5	380.0	412.5	425.5	422.2
60°	4959.5	4206.0	1224.5	373.5	331.3	350.8	360.5	383.3	409.2	412.5	409.2
62.5°	5053.7	4225.5	1013.3	347.5	321.5	341.0	344.3	370.3	396.2	406.0	409.2
65°	5105.7	4206.0	750.3	321.5	311.8	328.0	331.3	354.0	380.0	386.5	389.7
67.5°	4917.3	4072.9	519.7	295.6	302.1	311.8	318.3	341.0	360.5	380.0	386.5
70°	4579.5	3686.4	370.3	263.1	285.8	295.6	308.5	331.3	350.8	376.8	383.3
72.5°	4206.0	2968.6	272.8	224.1	263.1	276.1	298.8	315.0	344.3	376.8	386.5
75°	3855.2	2604.8	217.6	191.6	224.1	253.3	282.6	305.3	347.5	461.2	477.4
77.5°	2734.7	1760.4	194.9	168.9	191.6	220.9	259.8	298.8	483.9	548.9	552.1
80°	1984.5	1036.1	175.4	149.4	165.6	178.6	237.1	367.0	535.9	506.7	506.7
82.5°	993.9	555.4	165.6	133.2	142.9	146.2	211.1	467.7	432.0	451.5	454.7
85°	480.7	269.6	136.4	116.9	123.4	120.2	198.1	445.0	409.2	412.5	406.0
87.5°	302.1	165.6	107.2	97.4	100.7	97.4	188.4	425.5	428.7	350.8	357.3
90°	272.8	194.9	84.4	77.9	68.2	81.2	168.9	396.2	419.0	253.3	211.1
92.5°	263.1	211.1	61.7	55.2	48.7	65.0	126.7	321.5	256.6	107.2	65.0
95°	233.8	185.1	52.0	39.0	45.5	55.2	81.2	214.4	172.1	0.0	0.0
97.5°	175.4	136.4	42.2	26.0	146.2	48.7	45.5	139.7	48.7	0.0	0.0
100°	110.4	84.4	32.5	19.5	165.6	32.5	29.2	81.2	0.0	0.0	0.0
102.5°	61.7	45.5	16.2	13.0	71.5	16.2	19.5	19.5	0.0	0.0	0.0
105°	26.0	22.7	6.5	6.5	6.5	3.2	9.7	0.0	0.0	0.0	0.0
107.5°	6.5	9.7	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	3.2	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°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	6.5	3.2	3.2	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
132.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
170°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
175°	0.0	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	3.2	3.2	3.2	3.2	3.2	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)