

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: P691872

Luminaire Tested: **CRTK2-C01H-D-U-T3-7030-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691872
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7030-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8768.9 lumens
Efficiency: N/A
Efficacy: 124.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 70.2
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

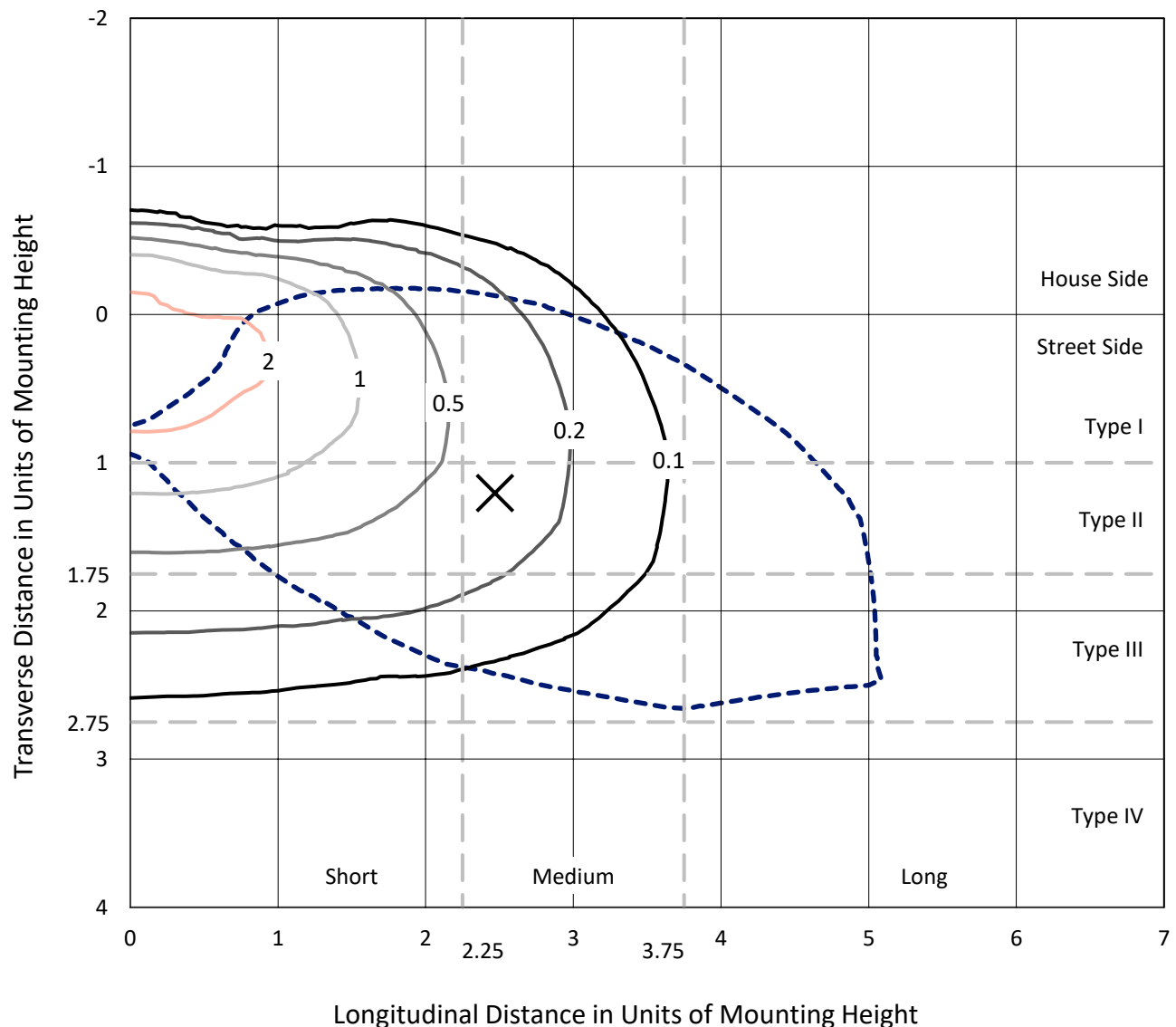


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

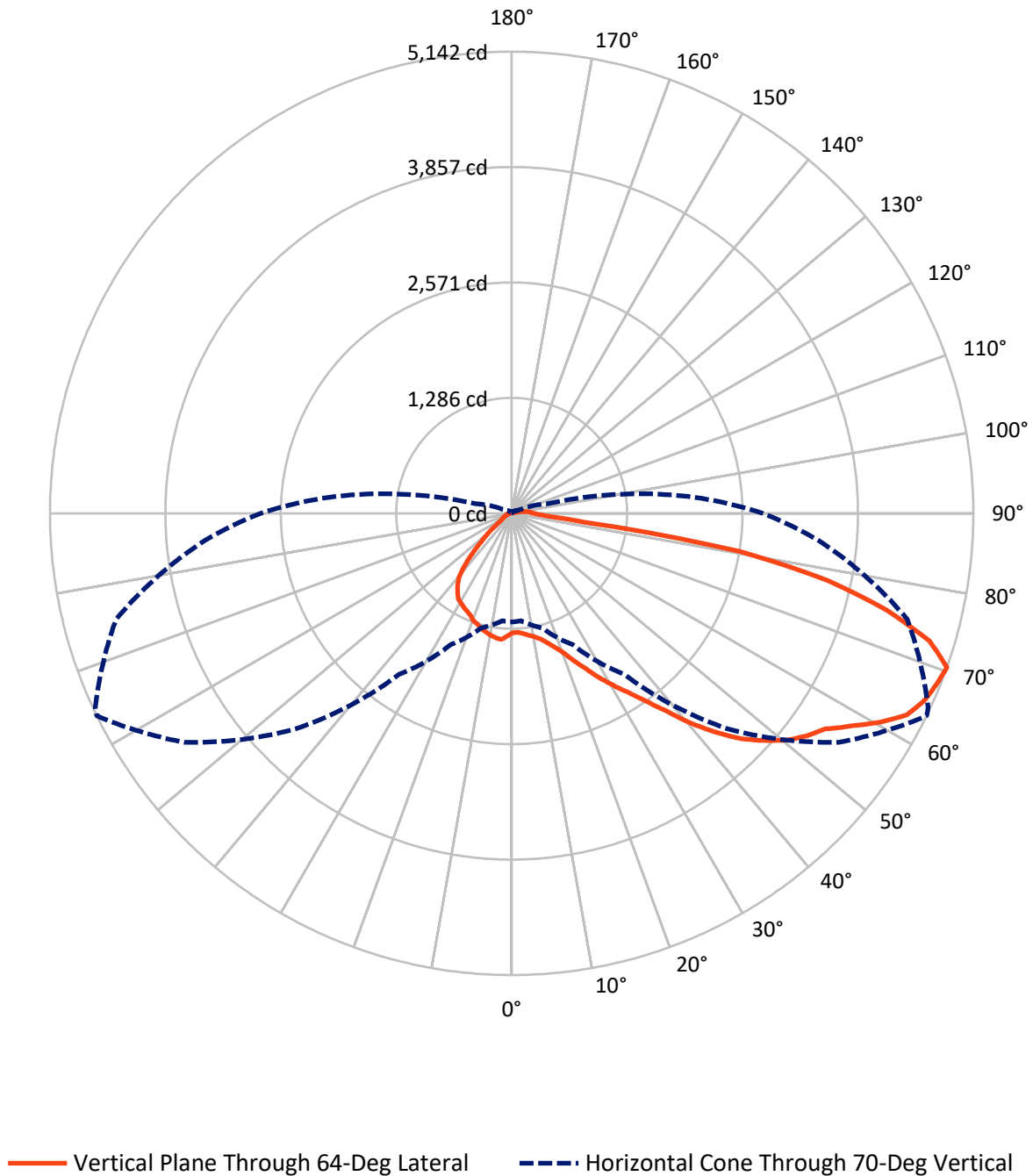


Based on 25 foot mounting height. Maximum calculated value = 2.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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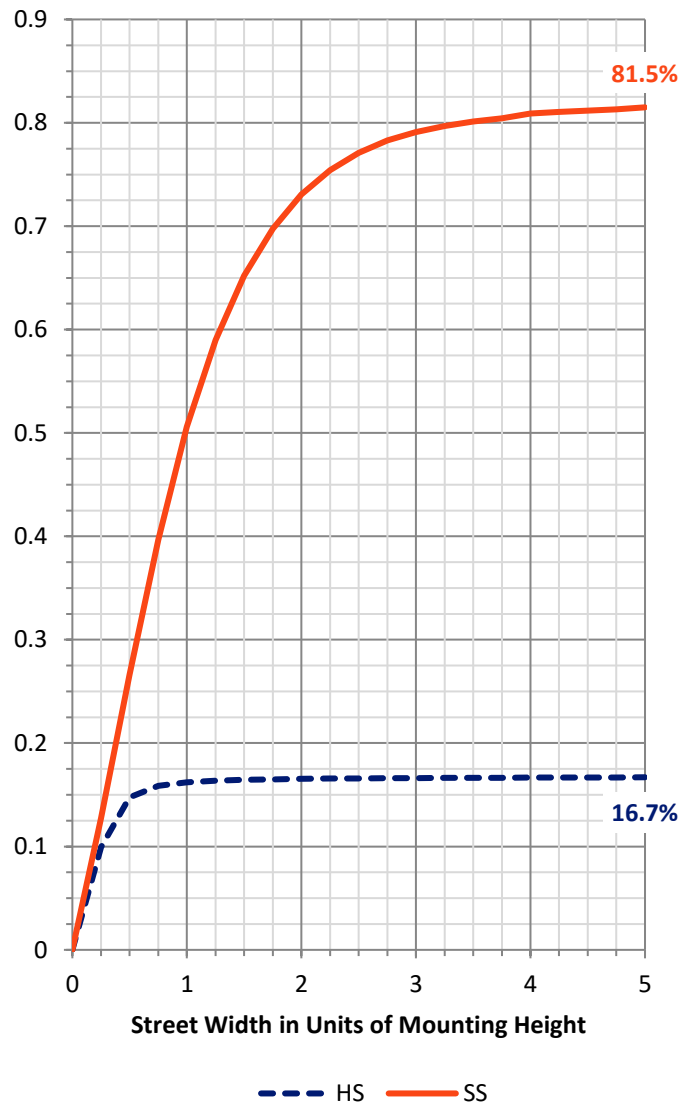
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1487.2	18.0	1505.2
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7189.8	73.9	7263.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	8677.0	92.0	8768.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	131.8	1.5
10°-20°	404.2	4.6
20°-30°	698.6	8.0
30°-40°	1036.7	11.8
40°-50°	1424.1	16.2
50°-60°	1729.4	19.7
60°-70°	1837.3	21.0
70°-80°	1213.9	13.8
80°-90°	201.0	2.3
90°-100°	74.9	0.9
100°-110°	12.6	0.1
110°-120°	0.9	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	8677.0	99.0
0°-180°	8768.9	100.0

Coefficient of Utilization



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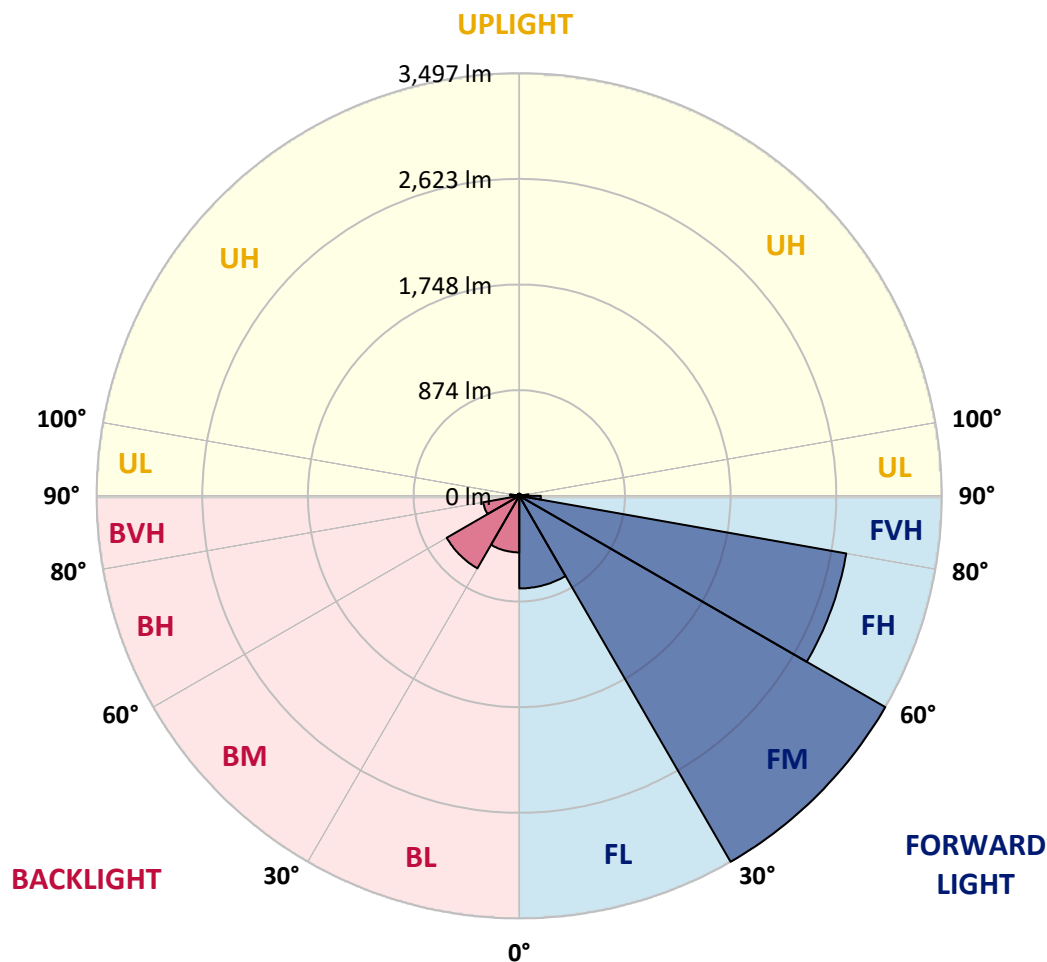
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7030-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	766.5	8.7			
FM	(30°-60°)	3496.9	39.9			
FH	(60°-80°)	2747.9	31.3			G2/5000
FVH	(80°-90°)	178.4	2.0			G2/225
BL	(0°-30°)	468.1	5.3	B1/500		
BM	(30°-60°)	693.2	7.9	B1/1000		
BH	(60°-80°)	303.2	3.5	B1/500		G1/500
BVH	(80°-90°)	22.6	0.3			G1/100
UL	(90°-100°)	74.9	0.9		U3/500	
UH	(100°-180°)	17.0	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2
2.5°	1339.6	1336.5	1339.6	1336.5	1333.3	1330.2	1327.1	1327.1	1323.9	1327.1	1330.2
5°	1399.2	1402.4	1396.1	1383.5	1367.9	1355.3	1349.0	1345.9	1345.9	1349.0	1361.6
7.5°	1443.2	1440.0	1436.9	1433.7	1421.2	1393.0	1377.3	1371.0	1371.0	1364.7	1386.7
10°	1521.6	1515.3	1499.6	1480.8	1468.3	1436.9	1408.6	1399.2	1396.1	1399.2	1418.1
12.5°	1606.3	1600.0	1596.9	1578.1	1534.1	1505.9	1458.8	1436.9	1436.9	1436.9	1446.3
15°	1728.6	1719.2	1687.9	1665.9	1628.3	1581.2	1527.9	1496.5	1496.5	1502.8	1477.7
17.5°	1816.5	1810.2	1807.1	1769.4	1738.1	1665.9	1625.1	1571.8	1571.8	1584.3	1531.0
20°	1907.5	1901.2	1904.3	1898.1	1851.0	1794.5	1722.4	1659.6	1659.6	1662.8	1587.5
22.5°	2029.8	2020.4	2020.4	2017.3	1992.2	1926.3	1841.6	1788.3	1778.8	1753.7	1659.6
25°	2152.2	2149.0	2142.8	2145.9	2139.6	2064.3	1973.4	1913.7	1913.7	1879.2	1756.9
27.5°	2274.5	2274.5	2271.4	2274.5	2271.4	2224.3	2133.4	2070.6	2073.8	2029.8	1863.6
30°	2362.4	2359.2	2381.2	2390.6	2396.9	2378.1	2290.2	2221.2	2227.5	2183.6	1989.0
32.5°	2444.0	2440.8	2478.5	2500.4	2506.7	2503.6	2431.4	2374.9	2390.6	2349.8	2139.6
35°	2519.2	2516.1	2566.3	2622.8	2647.9	2641.6	2594.5	2563.2	2578.9	2575.7	2343.6
37.5°	2575.7	2585.1	2651.0	2729.4	2773.4	2776.5	2754.5	2789.1	2807.9	2870.6	2597.7
40°	2641.6	2641.6	2704.3	2789.1	2867.5	2898.9	2917.7	3074.5	3093.4	3105.9	2767.1
42.5°	2572.6	2591.4	2726.3	2851.8	2952.2	3024.3	3127.9	3331.8	3372.6	3278.5	2974.2
45°	2519.2	2534.9	2673.0	2883.2	3027.5	3162.4	3356.9	3582.8	3614.2	3451.0	3084.0
47.5°	2462.8	2487.9	2629.1	2861.2	3099.6	3331.8	3548.3	3780.4	3808.7	3598.5	3237.7
50°	2396.9	2425.1	2575.7	2829.8	3137.3	3491.8	3720.8	3971.8	3974.9	3727.1	3322.4
52.5°	2334.1	2353.0	2509.8	2789.1	3168.7	3614.2	3884.0	4116.1	4097.3	3890.2	3413.4
55°	2227.5	2265.1	2431.4	2732.6	3184.4	3683.2	3996.9	4238.5	4251.0	4065.9	3535.7
57.5°	2130.2	2155.3	2331.0	2651.0	3171.8	3724.0	4106.7	4467.5	4492.6	4222.8	3623.6
60°	2007.9	2023.6	2193.0	2538.1	3090.2	3793.0	4351.4	4721.6	4749.9	4373.4	3658.1
62.5°	1854.1	1854.1	2023.6	2387.5	2986.7	3843.2	4520.8	4941.2	4941.2	4492.6	3670.6
65°	1656.5	1665.9	1816.5	2183.6	2814.2	3814.9	4571.0	5044.8	5054.2	4577.3	3664.4
67.5°	1465.1	1462.0	1593.7	1916.9	2553.8	3667.5	4533.4	5098.1	5135.7	4627.5	3582.8
70°	1211.0	1201.6	1323.9	1615.7	2189.8	3388.3	4445.5	5142.0	5116.9	4561.6	3422.8
72.5°	931.8	922.4	1013.3	1236.1	1725.5	2908.3	4188.3	4865.9	4822.0	4204.0	3093.4
75°	662.0	649.4	721.6	869.0	1135.7	2127.1	3592.2	4316.9	4266.7	3780.4	2582.0
77.5°	376.5	363.9	429.8	549.0	687.1	1204.7	2720.0	3598.5	3667.5	3118.5	1973.4
80°	166.3	160.0	188.2	263.5	385.9	574.1	1480.8	2572.6	2478.5	2127.1	1123.2
82.5°	141.2	141.2	144.3	150.6	156.9	263.5	555.3	809.4	774.9	624.3	357.7
85°	122.4	119.2	125.5	131.8	134.9	172.6	323.1	389.0	382.7	345.1	247.8
87.5°	100.4	94.1	103.5	109.8	109.8	141.2	241.6	285.5	285.5	288.6	219.6
90°	87.8	87.8	81.6	81.6	84.7	100.4	185.1	235.3	241.6	298.0	254.1
92.5°	75.3	75.3	75.3	75.3	62.7	72.2	131.8	210.2	225.9	291.8	229.0
95°	72.2	69.0	72.2	65.9	62.7	65.9	100.4	185.1	203.9	257.3	200.8
97.5°	50.2	47.1	53.3	53.3	56.5	59.6	84.7	138.0	144.3	191.4	150.6
100°	34.5	31.4	31.4	31.4	40.8	40.8	69.0	84.7	87.8	122.4	100.4
102.5°	18.8	15.7	15.7	15.7	22.0	25.1	34.5	47.1	47.1	65.9	56.5
105°	6.3	6.3	9.4	9.4	9.4	12.5	12.5	15.7	15.7	18.8	25.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1	3.1
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.1
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°	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2	1330.2
2.5°	1333.3	1339.6	1355.3	1364.7	1377.3	1389.8	1399.2	1399.2	1408.6	1402.4	1399.2
5°	1374.1	1377.3	1396.1	1408.6	1405.5	1393.0	1383.5	1377.3	1380.4	1386.7	1386.7
7.5°	1402.4	1414.9	1399.2	1399.2	1396.1	1380.4	1361.6	1342.8	1333.3	1330.2	1330.2
10°	1418.1	1405.5	1399.2	1383.5	1349.0	1339.6	1323.9	1289.4	1280.0	1280.0	1267.5
12.5°	1427.5	1421.2	1386.7	1358.4	1327.1	1276.9	1242.4	1236.1	1207.9	1204.7	1207.9
15°	1465.1	1433.7	1389.8	1336.5	1276.9	1233.0	1185.9	1135.7	1113.7	1116.9	1120.0
17.5°	1490.2	1462.0	1383.5	1298.8	1245.5	1163.9	1110.6	1082.4	1047.9	1047.9	1047.9
20°	1531.0	1483.9	1374.1	1283.2	1157.7	1098.1	1035.3	1003.9	969.4	909.8	903.5
22.5°	1584.3	1524.7	1371.0	1236.1	1123.2	1025.9	934.9	837.7	787.5	753.0	743.5
25°	1650.2	1581.2	1393.0	1214.1	1057.3	938.1	822.0	690.2	596.1	577.3	577.3
27.5°	1763.2	1653.4	1421.2	1192.2	1019.6	840.8	658.8	542.8	461.2	436.1	432.9
30°	1873.0	1744.3	1430.6	1170.2	947.5	709.0	508.2	385.9	313.7	282.4	276.1
32.5°	2045.5	1869.8	1512.2	1151.4	865.9	571.0	360.8	244.7	185.1	166.3	163.1
35°	2221.2	2039.2	1540.4	1101.2	718.4	417.3	207.1	131.8	100.4	84.7	81.6
37.5°	2447.1	2252.6	1625.1	1047.9	571.0	238.4	116.1	72.2	62.7	62.7	62.7
40°	2578.9	2346.7	1700.4	978.8	392.2	122.4	69.0	56.5	56.5	53.3	53.3
42.5°	2748.3	2462.8	1766.3	843.9	207.1	75.3	59.6	53.3	47.1	47.1	47.1
45°	2845.5	2538.1	1744.3	677.7	97.3	69.0	56.5	47.1	43.9	43.9	43.9
47.5°	2964.7	2632.2	1697.3	502.0	84.7	62.7	53.3	43.9	40.8	43.9	43.9
50°	3084.0	2726.3	1578.1	385.9	78.4	59.6	47.1	37.6	37.6	40.8	40.8
52.5°	3143.6	2792.2	1436.9	266.7	78.4	56.5	43.9	37.6	34.5	34.5	34.5
55°	3212.6	2807.9	1317.7	175.7	75.3	53.3	40.8	31.4	31.4	28.2	28.2
57.5°	3250.2	2767.1	1229.8	147.5	72.2	50.2	37.6	28.2	25.1	22.0	22.0
60°	3234.5	2707.5	1154.5	128.6	65.9	47.1	34.5	25.1	18.8	15.7	15.7
62.5°	3203.2	2657.3	1016.5	112.9	62.7	40.8	28.2	22.0	15.7	12.5	12.5
65°	3168.7	2522.4	856.5	97.3	56.5	37.6	25.1	18.8	12.5	9.4	9.4
67.5°	3008.7	2343.6	627.5	87.8	53.3	34.5	22.0	15.7	12.5	9.4	9.4
70°	2798.5	2045.5	404.7	75.3	47.1	31.4	22.0	12.5	9.4	6.3	6.3
72.5°	2381.2	1669.0	203.9	65.9	43.9	31.4	18.8	12.5	9.4	6.3	3.1
75°	1945.1	1245.5	131.8	56.5	40.8	31.4	18.8	12.5	6.3	3.1	3.1
77.5°	1393.0	674.5	100.4	50.2	34.5	31.4	15.7	9.4	6.3	6.3	3.1
80°	580.4	244.7	81.6	40.8	31.4	28.2	15.7	9.4	6.3	6.3	3.1
82.5°	244.7	169.4	72.2	34.5	28.2	28.2	12.5	9.4	6.3	6.3	6.3
85°	191.4	141.2	62.7	31.4	25.1	31.4	12.5	9.4	9.4	9.4	9.4
87.5°	178.8	144.3	56.5	28.2	25.1	22.0	12.5	9.4	15.7	15.7	18.8
90°	200.8	150.6	43.9	25.1	22.0	18.8	9.4	6.3	6.3	0.0	0.0
92.5°	185.1	138.0	31.4	18.8	28.2	12.5	6.3	0.0	0.0	0.0	0.0
95°	160.0	116.1	18.8	12.5	31.4	15.7	3.1	0.0	0.0	0.0	0.0
97.5°	119.2	84.7	12.5	6.3	25.1	18.8	3.1	0.0	0.0	0.0	0.0
100°	84.7	53.3	9.4	6.3	15.7	18.8	3.1	0.0	0.0	0.0	0.0
102.5°	47.1	28.2	6.3	3.1	6.3	6.3	0.0	0.0	0.0	0.0	0.0
105°	22.0	9.4	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.1	3.1	3.1	3.1	3.1	3.1	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°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
115°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
122.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
125°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
130°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
132.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
135°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
137.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
140°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
142.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
145°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
147.5°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
150°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.1	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0
157.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.1	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.1	3.1	3.1	3.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.1	3.1	3.1	3.1	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

(END OF REPORT)