

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: P691988

Luminaire Tested: **CRTK2-C01HO-D-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691988
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-C01HO-D-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9189.1 lumens
Efficiency: N/A
Efficacy: 116.3 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): 79
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

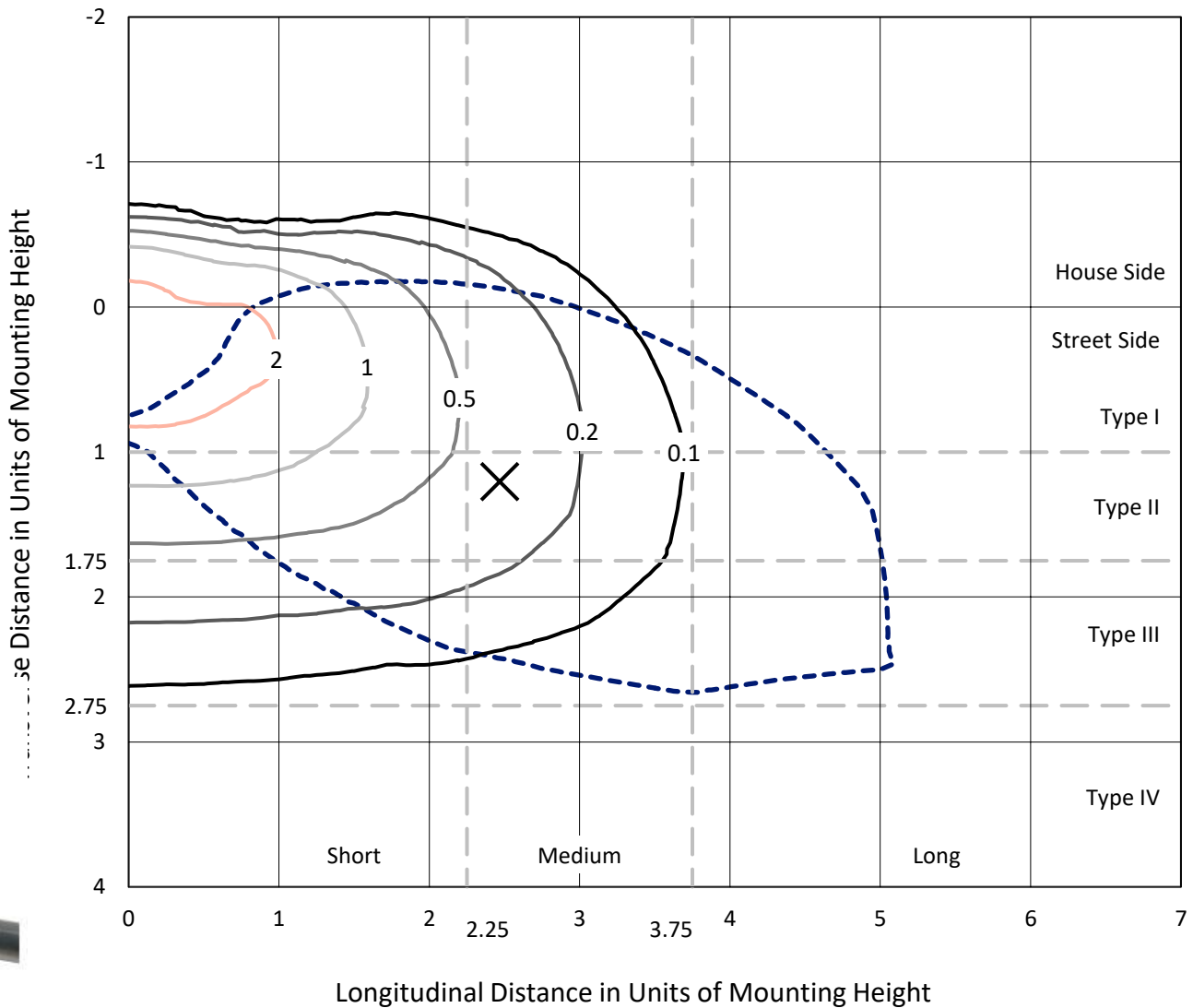


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

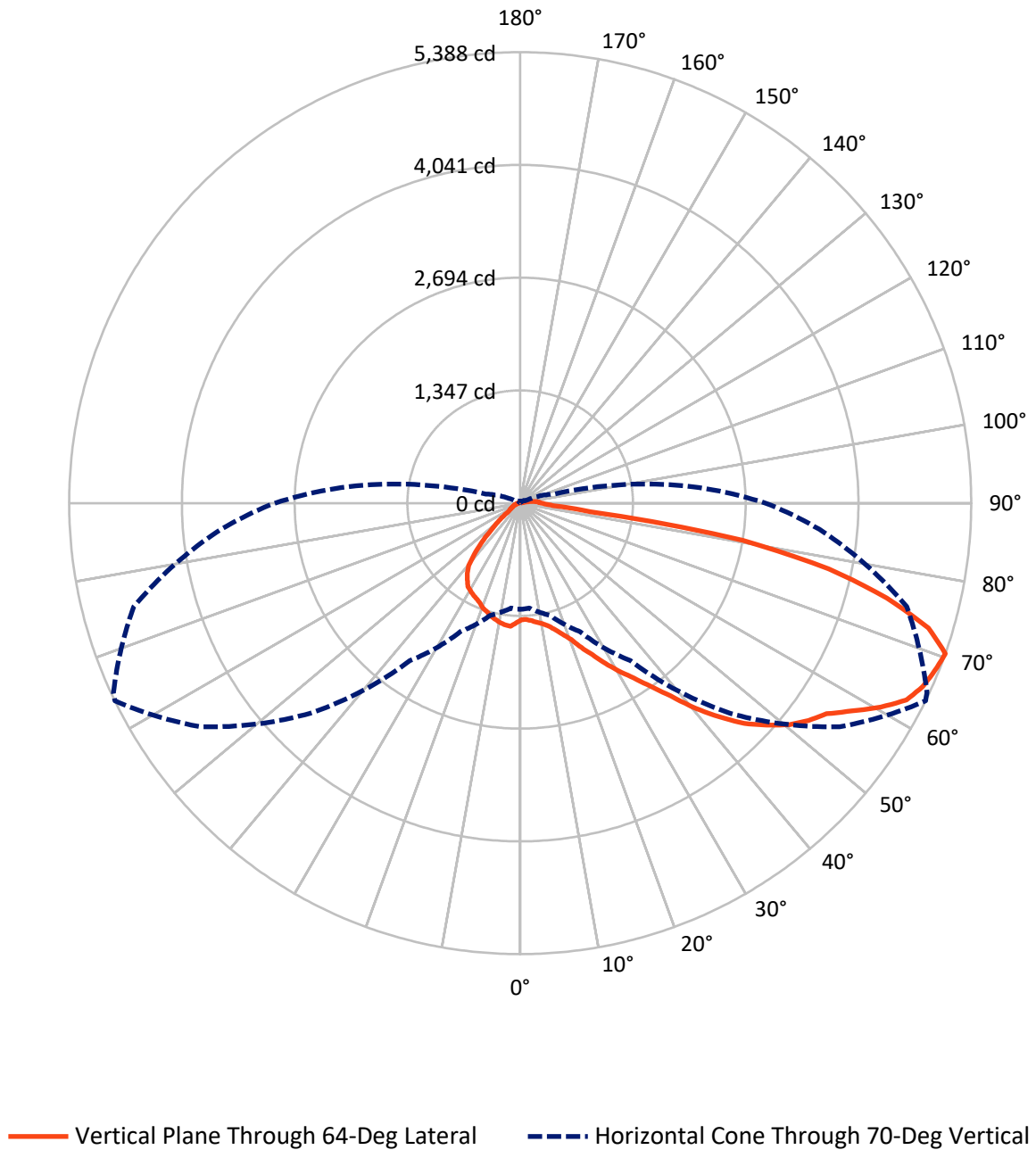


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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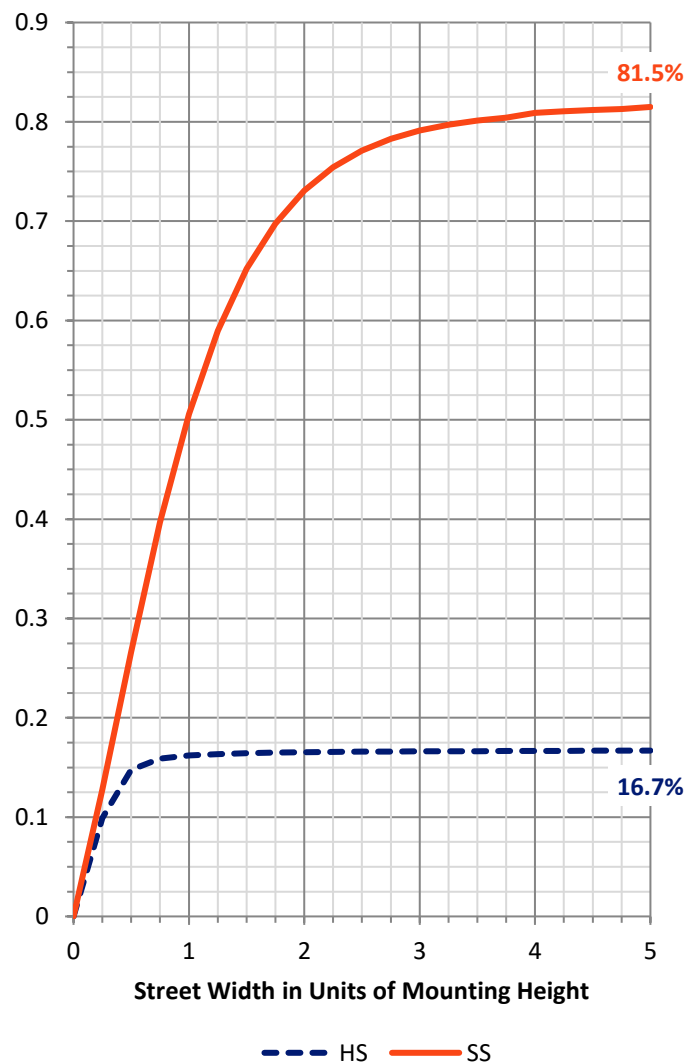
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1558.4	19.0	1577.4
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7534.2	77.5	7611.7
	% Fixture	82.0	0.8	82.8
Total	Lumens	9092.6	96.5	9189.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	138.1	1.5
10°-20°	423.5	4.6
20°-30°	732.1	8.0
30°-40°	1086.4	11.8
40°-50°	1492.3	16.2
50°-60°	1812.2	19.7
60°-70°	1925.3	21.0
70°-80°	1272.0	13.8
80°-90°	210.6	2.3
90°-100°	78.5	0.9
100°-110°	13.2	0.1
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9092.6	99.0
0°-180°	9189.1	100.0

Coefficient of Utilization



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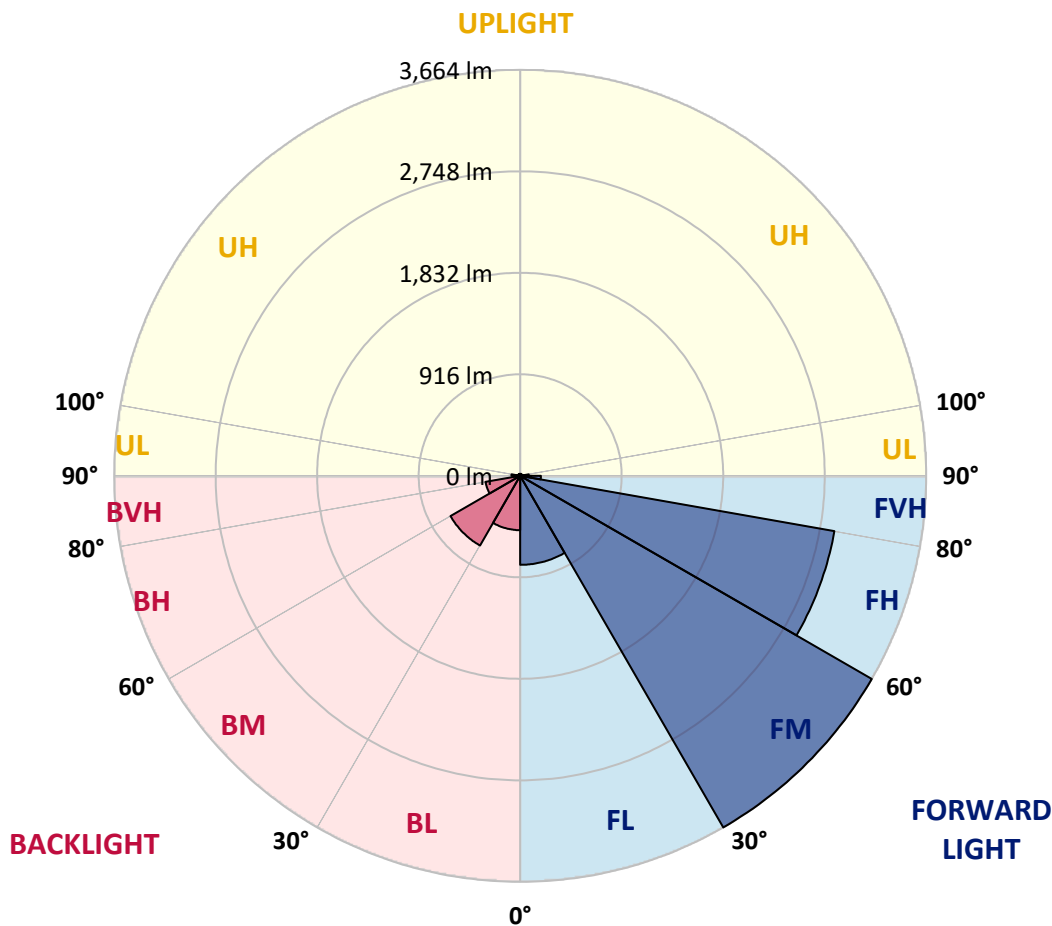
CATALOG NUMBER: CRTK2-C01HO-D-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	803.2	8.7			
FM	(30°-60°)	3664.4	39.9			
FH	(60°-80°)	2879.6	31.3			G2/5000
FVH	(80°-90°)	187.0	2.0			G2/225
BL	(0°-30°)	490.6	5.3	B1/500		
BM	(30°-60°)	726.4	7.9	B1/1000		
BH	(60°-80°)	317.8	3.5	B1/500		G1/500
BVH	(80°-90°)	23.7	0.3			G1/100
UL	(90°-100°)	78.5	0.9		U3/500	
UH	(100°-180°)	17.9	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°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1403.8	1400.5	1403.8	1400.5	1397.2	1393.9	1390.6	1390.6	1387.3	1390.6	1393.9
5°	1466.3	1469.5	1463.0	1449.8	1433.4	1420.2	1413.6	1410.4	1410.4	1413.6	1426.8
7.5°	1512.3	1509.0	1505.7	1502.4	1489.3	1459.7	1443.2	1436.7	1436.7	1430.1	1453.1
10°	1594.5	1587.9	1571.5	1551.7	1538.6	1505.7	1476.1	1466.3	1463.0	1466.3	1486.0
12.5°	1683.2	1676.7	1673.4	1653.6	1607.6	1578.0	1528.7	1505.7	1505.7	1505.7	1515.6
15°	1811.4	1801.6	1768.7	1745.7	1706.2	1656.9	1601.0	1568.2	1568.2	1574.7	1548.4
17.5°	1903.5	1896.9	1893.6	1854.2	1821.3	1745.7	1703.0	1647.1	1647.1	1660.2	1604.3
20°	1998.8	1992.3	1995.5	1989.0	1939.7	1880.5	1804.9	1739.1	1739.1	1742.4	1663.5
22.5°	2127.0	2117.2	2117.2	2113.9	2087.6	2018.6	1929.8	1873.9	1864.0	1837.7	1739.1
25°	2255.3	2252.0	2245.4	2248.7	2242.1	2163.2	2067.9	2005.4	2005.4	1969.2	1841.0
27.5°	2383.5	2383.5	2380.2	2383.5	2380.2	2330.9	2235.5	2169.8	2173.1	2127.0	1952.8
30°	2475.5	2472.2	2495.3	2505.1	2511.7	2492.0	2399.9	2327.6	2334.2	2288.1	2084.3
32.5°	2561.0	2557.7	2597.2	2620.2	2626.8	2623.5	2547.9	2488.7	2505.1	2462.4	2242.1
35°	2639.9	2636.6	2689.2	2748.4	2774.7	2768.1	2718.8	2685.9	2702.4	2699.1	2455.8
37.5°	2699.1	2708.9	2778.0	2860.2	2906.2	2909.5	2886.5	2922.6	2942.4	3008.1	2722.1
40°	2768.1	2768.1	2833.9	2922.6	3004.8	3037.7	3057.4	3221.8	3241.5	3254.7	2899.6
42.5°	2695.8	2715.5	2856.9	2988.4	3093.6	3169.2	3277.7	3491.4	3534.1	3435.5	3116.6
45°	2639.9	2656.3	2801.0	3021.3	3172.5	3313.9	3517.7	3754.4	3787.3	3616.3	3231.7
47.5°	2580.7	2607.0	2755.0	2998.3	3248.1	3491.4	3718.2	3961.5	3991.1	3770.8	3392.8
50°	2511.7	2541.3	2699.1	2965.4	3287.6	3659.0	3899.0	4162.0	4165.3	3905.6	3481.5
52.5°	2445.9	2465.7	2630.0	2922.6	3320.4	3787.3	4070.0	4313.3	4293.5	4076.6	3576.9
55°	2334.2	2373.6	2547.9	2863.5	3336.9	3859.6	4188.3	4441.5	4454.6	4260.7	3705.1
57.5°	2232.3	2258.6	2442.7	2778.0	3323.7	3902.3	4303.4	4681.5	4707.8	4425.1	3797.1
60°	2104.0	2120.5	2298.0	2659.6	3238.2	3974.7	4559.8	4947.8	4977.4	4582.9	3833.3
62.5°	1942.9	1942.9	2120.5	2501.8	3129.8	4027.3	4737.4	5177.9	5177.9	4707.8	3846.4
65°	1735.8	1745.7	1903.5	2288.1	2948.9	3997.7	4790.0	5286.4	5296.3	4796.5	3839.9
67.5°	1535.3	1532.0	1670.1	2008.7	2676.1	3843.2	4750.5	5342.3	5381.7	4849.1	3754.4
70°	1269.0	1259.1	1387.3	1693.1	2294.7	3550.6	4658.5	5388.3	5362.0	4780.1	3586.7
72.5°	976.4	966.5	1061.9	1295.3	1808.2	3047.6	4388.9	5099.0	5053.0	4405.3	3241.5
75°	693.7	680.5	756.1	910.7	1190.1	2229.0	3764.3	4523.7	4471.1	3961.5	2705.7
77.5°	394.5	381.4	450.4	575.3	720.0	1262.4	2850.3	3770.8	3843.2	3267.8	2067.9
80°	174.2	167.7	197.3	276.2	404.4	601.6	1551.7	2695.8	2597.2	2229.0	1176.9
82.5°	147.9	147.9	151.2	157.8	164.4	276.2	581.9	848.2	812.0	654.2	374.8
85°	128.2	124.9	131.5	138.1	141.4	180.8	338.6	407.7	401.1	361.6	259.7
87.5°	105.2	98.6	108.5	115.1	115.1	147.9	253.1	299.2	299.2	302.5	230.1
90°	92.1	92.1	85.5	85.5	88.8	105.2	194.0	246.6	253.1	312.3	266.3
92.5°	78.9	78.9	78.9	78.9	65.8	75.6	138.1	220.3	236.7	305.7	240.0
95°	75.6	72.3	75.6	69.0	65.8	69.0	105.2	194.0	213.7	269.6	210.4
97.5°	52.6	49.3	55.9	55.9	59.2	62.5	88.8	144.7	151.2	200.5	157.8
100°	36.2	32.9	32.9	32.9	42.7	42.7	72.3	88.8	92.1	128.2	105.2
102.5°	19.7	16.4	16.4	16.4	23.0	26.3	36.2	49.3	49.3	69.0	59.2
105°	6.6	6.6	9.9	9.9	9.9	13.2	13.2	16.4	16.4	19.7	26.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3

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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	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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°	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9	1393.9
2.5°	1397.2	1403.8	1420.2	1430.1	1443.2	1456.4	1466.3	1466.3	1476.1	1469.5	1466.3
5°	1439.9	1443.2	1463.0	1476.1	1472.8	1459.7	1449.8	1443.2	1446.5	1453.1	1453.1
7.5°	1469.5	1482.7	1466.3	1466.3	1463.0	1446.5	1426.8	1407.1	1397.2	1393.9	1393.9
10°	1486.0	1472.8	1466.3	1449.8	1413.6	1403.8	1387.3	1351.2	1341.3	1341.3	1328.2
12.5°	1495.8	1489.3	1453.1	1423.5	1390.6	1338.0	1301.9	1295.3	1265.7	1262.4	1265.7
15°	1535.3	1502.4	1456.4	1400.5	1338.0	1292.0	1242.7	1190.1	1167.1	1170.4	1173.7
17.5°	1561.6	1532.0	1449.8	1361.0	1305.2	1219.7	1163.8	1134.2	1098.0	1098.0	1098.0
20°	1604.3	1555.0	1439.9	1344.6	1213.1	1150.6	1084.9	1052.0	1015.9	953.4	946.8
22.5°	1660.2	1597.8	1436.7	1295.3	1176.9	1075.0	979.7	877.8	825.2	789.0	779.2
25°	1729.3	1656.9	1459.7	1272.3	1107.9	983.0	861.3	723.3	624.6	604.9	604.9
27.5°	1847.6	1732.5	1489.3	1249.3	1068.5	881.1	690.4	568.7	483.3	457.0	453.7
30°	1962.7	1827.9	1499.1	1226.3	992.8	743.0	532.6	404.4	328.8	295.9	289.3
32.5°	2143.5	1959.4	1584.6	1206.5	907.4	598.3	378.1	256.4	194.0	174.2	171.0
35°	2327.6	2136.9	1614.2	1153.9	752.9	437.2	217.0	138.1	105.2	88.8	85.5
37.5°	2564.3	2360.5	1703.0	1098.0	598.3	249.9	121.6	75.6	65.8	65.8	65.8
40°	2702.4	2459.1	1781.9	1025.7	410.9	128.2	72.3	59.2	59.2	55.9	55.9
42.5°	2879.9	2580.7	1850.9	884.4	217.0	78.9	62.5	55.9	49.3	49.3	49.3
45°	2981.8	2659.6	1827.9	710.1	101.9	72.3	59.2	49.3	46.0	46.0	46.0
47.5°	3106.7	2758.3	1778.6	526.0	88.8	65.8	55.9	46.0	42.7	46.0	46.0
50°	3231.7	2856.9	1653.6	404.4	82.2	62.5	49.3	39.5	39.5	42.7	42.7
52.5°	3294.1	2925.9	1505.7	279.4	82.2	59.2	46.0	39.5	36.2	36.2	36.2
55°	3366.5	2942.4	1380.8	184.1	78.9	55.9	42.7	32.9	32.9	29.6	29.6
57.5°	3405.9	2899.6	1288.7	154.5	75.6	52.6	39.5	29.6	26.3	23.0	23.0
60°	3389.5	2837.2	1209.8	134.8	69.0	49.3	36.2	26.3	19.7	16.4	16.4
62.5°	3356.6	2784.6	1065.2	118.4	65.8	42.7	29.6	23.0	16.4	13.2	13.2
65°	3320.4	2643.2	897.5	101.9	59.2	39.5	26.3	19.7	13.2	9.9	9.9
67.5°	3152.8	2455.8	657.5	92.1	55.9	36.2	23.0	16.4	13.2	9.9	9.9
70°	2932.5	2143.5	424.1	78.9	49.3	32.9	23.0	13.2	9.9	6.6	6.6
72.5°	2495.3	1749.0	213.7	69.0	46.0	32.9	19.7	13.2	9.9	6.6	3.3
75°	2038.3	1305.2	138.1	59.2	42.7	32.9	19.7	13.2	6.6	3.3	3.3
77.5°	1459.7	706.8	105.2	52.6	36.2	32.9	16.4	9.9	6.6	6.6	3.3
80°	608.2	256.4	85.5	42.7	32.9	29.6	16.4	9.9	6.6	6.6	3.3
82.5°	256.4	177.5	75.6	36.2	29.6	29.6	13.2	9.9	6.6	6.6	6.6
85°	200.5	147.9	65.8	32.9	26.3	32.9	13.2	9.9	9.9	9.9	9.9
87.5°	187.4	151.2	59.2	29.6	26.3	23.0	13.2	9.9	16.4	16.4	19.7
90°	210.4	157.8	46.0	26.3	23.0	19.7	9.9	6.6	6.6	0.0	0.0
92.5°	194.0	144.7	32.9	19.7	29.6	13.2	6.6	0.0	0.0	0.0	0.0
95°	167.7	121.6	19.7	13.2	32.9	16.4	3.3	0.0	0.0	0.0	0.0
97.5°	124.9	88.8	13.2	6.6	26.3	19.7	3.3	0.0	0.0	0.0	0.0
100°	88.8	55.9	9.9	6.6	16.4	19.7	3.3	0.0	0.0	0.0	0.0
102.5°	49.3	29.6	6.6	3.3	6.6	6.6	0.0	0.0	0.0	0.0	0.0
105°	23.0	9.9	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	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°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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)