

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: P691787

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691787
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9910.9 lumens
Efficiency: N/A
Efficacy: 132.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B2 - U3 - G2

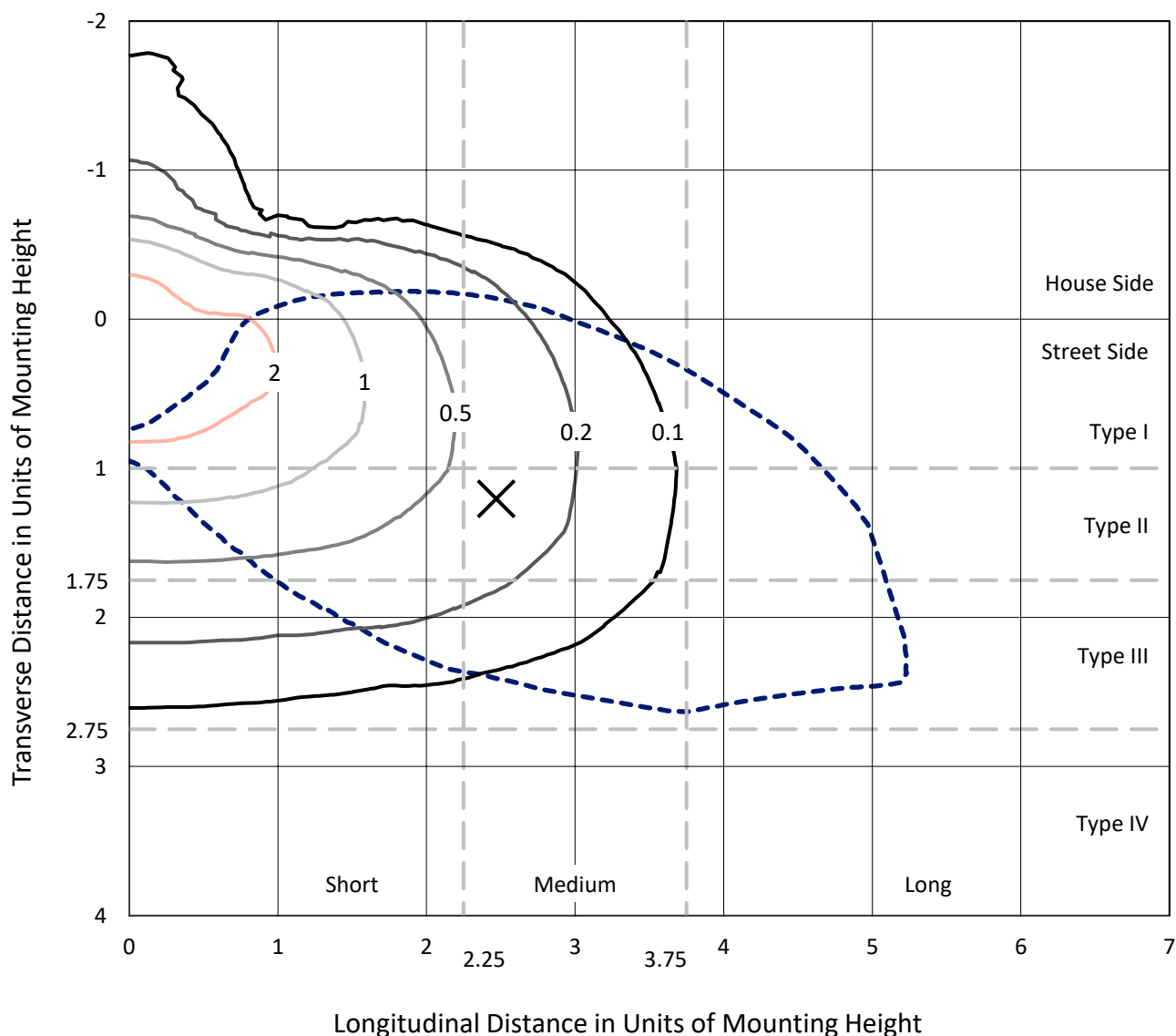
Input Watts (W): 74.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

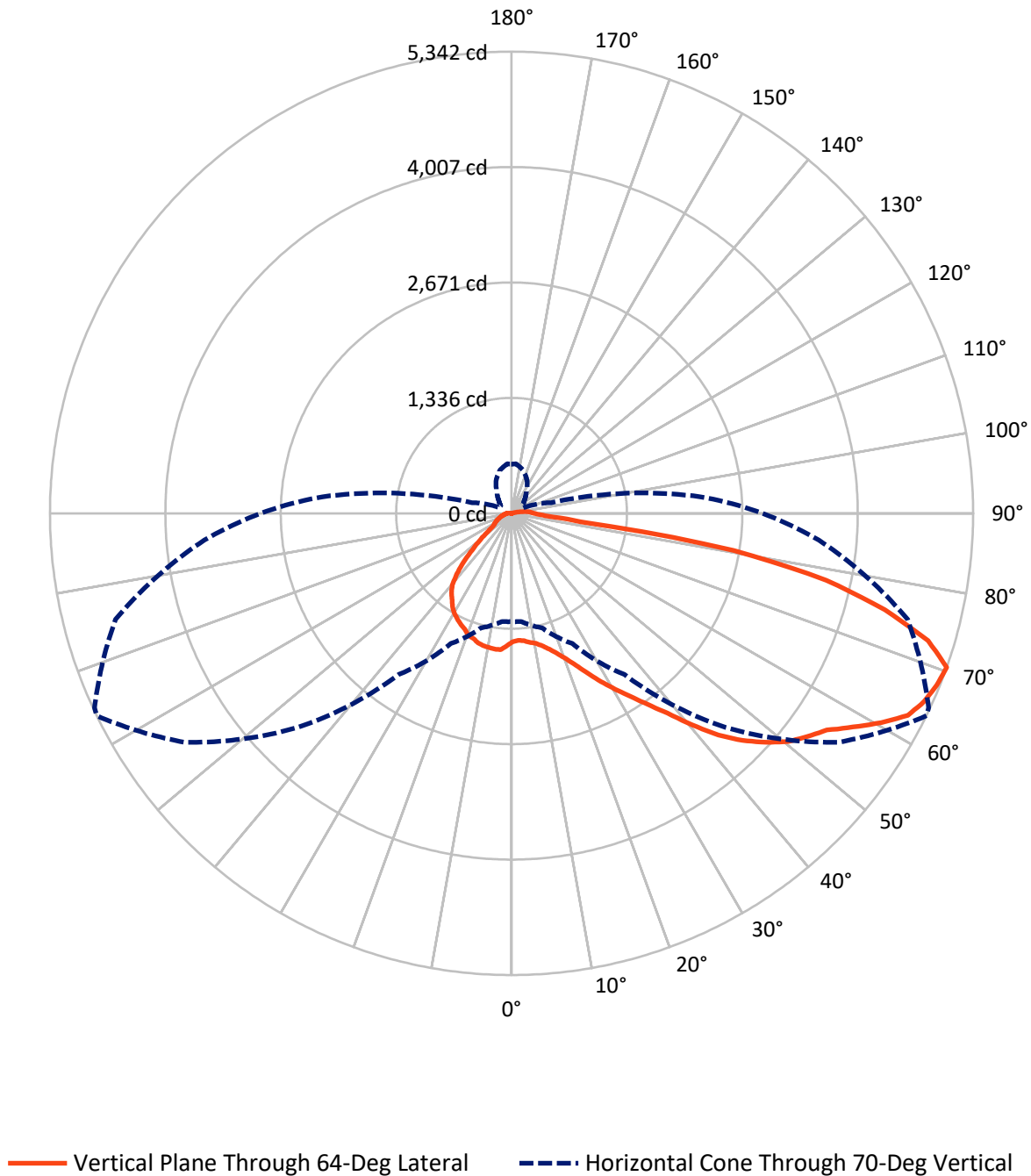
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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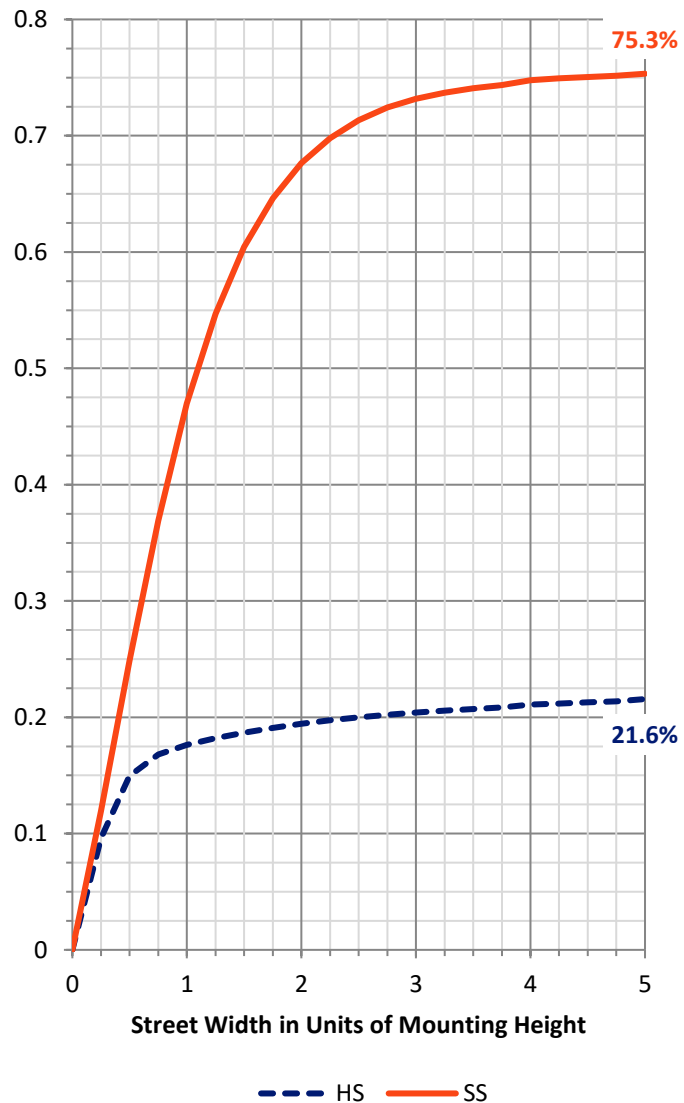
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2259.4	61.2	2320.6
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	7511.3	79.0	7590.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	9770.7	140.2	9910.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	148.2	1.5
10°-20°	461.4	4.7
20°-30°	800.5	8.1
30°-40°	1161.7	11.7
40°-50°	1559.0	15.7
50°-60°	1884.9	19.0
60°-70°	2029.0	20.5
70°-80°	1393.6	14.1
80°-90°	332.5	3.4
90°-100°	120.3	1.2
100°-110°	15.1	0.2
110°-120°	1.1	0.0
120°-130°	1.0	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.6	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9770.7	98.6
0°-180°	9910.9	100.0

Coefficient of Utilization



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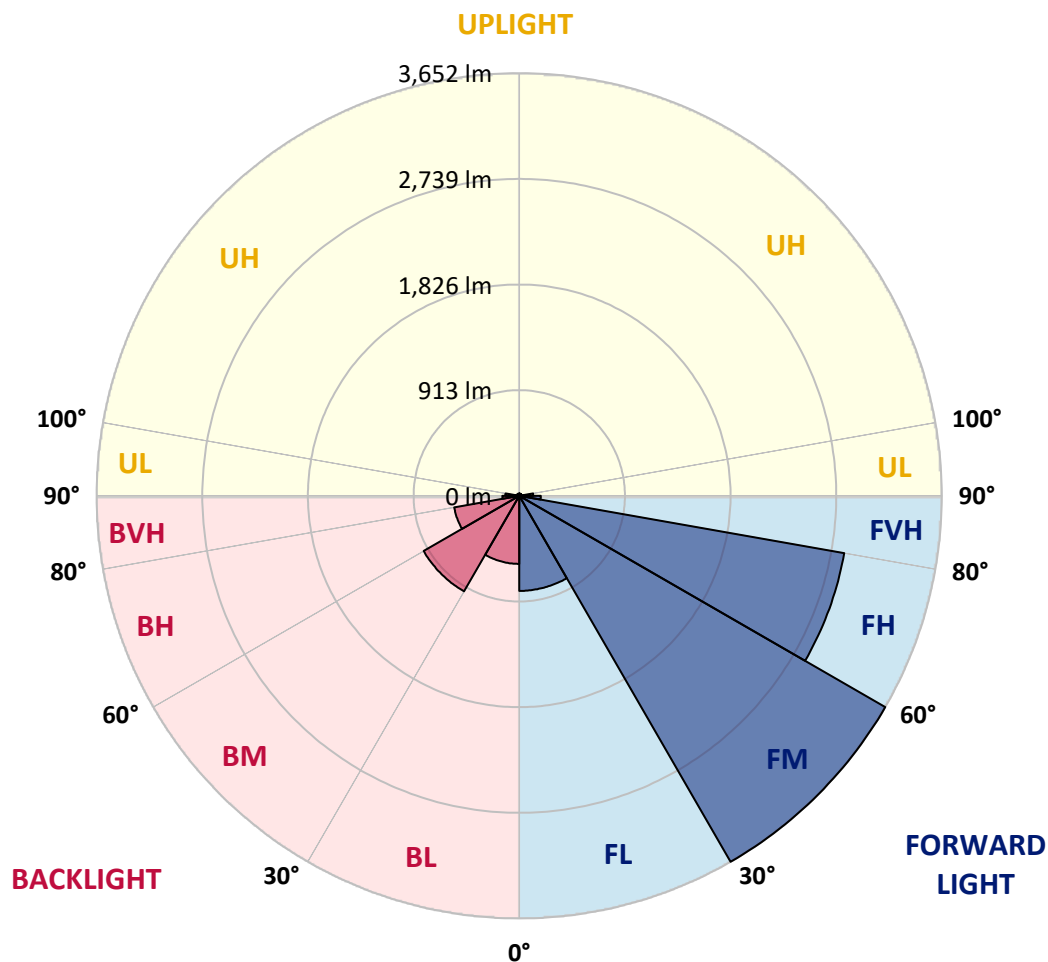
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	821.7	8.3			
FM	(30°-60°)	3652.0	36.8			
FH	(60°-80°)	2851.6	28.8			G2/5000
FVH	(80°-90°)	186.0	1.9			G2/225
BL	(0°-30°)	588.4	5.9	B2/1000		
BM	(30°-60°)	953.6	9.6	B1/1000		
BH	(60°-80°)	570.9	5.8	B2/1000		G2/1000
BVH	(80°-90°)	146.5	1.5			G2/225
UL	(90°-100°)	120.3	1.2		U3/500	
UH	(100°-180°)	19.8	0.2		U2/50	

BUG Rating: B2-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1474.4	1474.4	1471.2	1471.2	1474.4	1477.7	1474.4	1471.2	1474.4	1477.7	1487.4
5°	1532.9	1529.6	1526.4	1513.4	1500.4	1490.7	1484.2	1480.9	1484.2	1497.2	1519.9
7.5°	1571.9	1568.6	1568.6	1565.4	1552.4	1526.4	1510.2	1506.9	1506.9	1510.2	1539.4
10°	1653.0	1646.6	1633.6	1610.8	1597.8	1565.4	1536.1	1529.6	1529.6	1536.1	1571.9
12.5°	1740.7	1727.7	1731.0	1705.0	1666.0	1630.3	1588.1	1571.9	1565.4	1571.9	1591.3
15°	1860.9	1851.2	1825.2	1795.9	1757.0	1708.3	1656.3	1630.3	1627.1	1636.8	1620.6
17.5°	1948.6	1935.6	1938.8	1896.6	1864.1	1799.2	1750.5	1701.8	1701.8	1714.8	1672.5
20°	2039.5	2033.0	2042.8	2033.0	1984.3	1925.9	1854.4	1795.9	1786.2	1792.7	1731.0
22.5°	2156.4	2146.7	2146.7	2149.9	2111.0	2052.5	1968.1	1909.6	1906.4	1880.4	1795.9
25°	2276.6	2266.9	2263.6	2270.1	2263.6	2195.4	2107.7	2049.3	2039.5	2003.8	1883.6
27.5°	2390.3	2390.3	2393.5	2400.0	2409.7	2354.5	2270.1	2205.1	2205.1	2166.2	2000.5
30°	2474.7	2474.7	2503.9	2516.9	2526.7	2513.7	2422.7	2361.0	2367.5	2315.6	2133.7
32.5°	2552.6	2555.9	2588.4	2620.8	2630.6	2640.3	2562.4	2523.4	2523.4	2474.7	2276.6
35°	2630.6	2630.6	2676.1	2741.0	2773.5	2763.7	2728.0	2715.0	2718.3	2708.5	2487.7
37.5°	2692.3	2698.8	2767.0	2848.2	2893.6	2909.9	2890.4	2932.6	2971.6	3000.8	2763.7
40°	2754.0	2754.0	2819.0	2906.6	2987.8	3033.3	3059.3	3218.4	3247.6	3257.4	2919.6
42.5°	2689.0	2705.3	2841.7	2971.6	3075.5	3153.5	3270.4	3507.5	3543.2	3432.8	3130.7
45°	2627.3	2646.8	2783.2	3000.8	3150.2	3306.1	3507.5	3747.8	3777.0	3611.4	3257.4
47.5°	2565.6	2588.4	2737.8	2974.8	3218.4	3475.0	3692.6	3958.9	3971.9	3757.5	3400.3
50°	2500.7	2523.4	2682.6	2945.6	3260.6	3647.1	3877.7	4150.5	4150.5	3887.4	3484.7
52.5°	2419.5	2445.5	2607.9	2900.1	3293.1	3764.0	4046.6	4290.1	4264.2	4043.3	3578.9
55°	2315.6	2351.3	2523.4	2835.2	3306.1	3825.7	4153.7	4426.5	4420.0	4234.9	3699.1
57.5°	2205.1	2234.4	2419.5	2750.8	3293.1	3867.9	4267.4	4663.6	4673.4	4400.6	3793.2
60°	2081.7	2101.2	2279.8	2633.8	3208.7	3942.6	4524.0	4916.9	4929.9	4553.2	3829.0
62.5°	1919.4	1932.3	2101.2	2474.7	3095.0	3991.4	4709.1	5147.5	5141.0	4689.6	3835.5
65°	1714.8	1731.0	1890.1	2263.6	2926.1	3958.9	4754.5	5248.2	5254.7	4754.5	3825.7
67.5°	1516.6	1526.4	1659.5	1984.3	2653.3	3803.0	4709.1	5306.6	5335.9	4809.8	3731.5
70°	1253.6	1256.8	1373.8	1662.8	2276.6	3504.2	4618.1	5342.4	5326.1	4744.8	3569.2
72.5°	964.5	967.8	1055.5	1273.1	1770.0	2984.6	4296.6	5040.3	5011.1	4387.6	3218.4
75°	685.3	698.2	750.2	893.1	1185.4	2179.2	3676.3	4462.3	4481.7	3903.7	2682.6
77.5°	389.7	402.7	444.9	558.6	682.0	1221.1	2776.7	3721.8	3734.8	3283.4	2059.0
80°	168.9	172.1	188.4	266.3	363.7	584.6	1422.5	2607.9	2796.2	2231.1	1175.6
82.5°	142.9	142.9	149.4	155.9	159.1	266.3	552.1	808.7	834.6	659.3	383.2
85°	123.4	123.4	129.9	136.4	139.6	181.9	334.5	406.0	422.2	376.7	269.6
87.5°	97.4	97.4	107.2	113.7	113.7	149.4	250.1	302.0	311.8	302.0	240.3
90°	87.7	87.7	84.4	84.4	87.7	107.2	194.9	253.3	263.1	321.5	276.0
92.5°	74.7	77.9	77.9	77.9	68.2	77.9	139.6	224.1	243.6	318.3	250.1
95°	74.7	71.4	71.4	68.2	65.0	68.2	103.9	194.9	217.6	276.0	211.1
97.5°	52.0	48.7	52.0	55.2	58.5	61.7	87.7	142.9	159.1	214.3	155.9
100°	32.5	32.5	32.5	32.5	39.0	42.2	71.4	87.7	97.4	136.4	103.9
102.5°	19.5	16.2	16.2	16.2	19.5	26.0	35.7	48.7	52.0	77.9	61.7
105°	6.5	6.5	6.5	6.5	9.7	13.0	13.0	19.5	19.5	26.0	26.0
107.5°	0.0	0.0	0.0	0.0	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	3.2	3.2



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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	3.2	3.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	0.0	3.2	3.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.2	3.2	3.2	3.2
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°	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4	1487.4
2.5°	1493.9	1500.4	1513.4	1529.6	1549.1	1565.4	1578.4	1581.6	1588.1	1588.1	1594.6
5°	1526.4	1539.4	1558.9	1581.6	1591.3	1584.8	1584.8	1588.1	1594.6	1610.8	1617.3
7.5°	1562.1	1571.9	1571.9	1581.6	1601.1	1594.6	1591.3	1588.1	1588.1	1581.6	1591.3
10°	1575.1	1562.1	1578.4	1575.1	1568.6	1581.6	1584.8	1565.4	1568.6	1568.6	1571.9
12.5°	1578.4	1578.4	1565.4	1565.4	1565.4	1536.1	1529.6	1545.9	1529.6	1536.1	1532.9
15°	1614.1	1588.1	1571.9	1552.4	1526.4	1516.6	1493.9	1467.9	1467.9	1474.4	1474.4
17.5°	1640.1	1614.1	1565.4	1513.4	1503.7	1458.2	1442.0	1435.5	1432.2	1435.5	1442.0
20°	1679.0	1640.1	1558.9	1506.9	1422.5	1406.2	1377.0	1373.8	1367.3	1344.5	1338.0
22.5°	1731.0	1669.3	1555.6	1451.7	1383.5	1328.3	1276.3	1243.8	1240.6	1224.4	1214.6
25°	1789.5	1727.7	1568.6	1425.7	1312.0	1230.9	1188.6	1113.9	1078.2	1091.2	1084.7
27.5°	1909.6	1795.9	1591.3	1390.0	1253.6	1126.9	1029.5	984.0	938.6	938.6	945.1
30°	2020.0	1883.6	1591.3	1357.5	1156.2	1003.5	876.9	805.4	785.9	772.9	766.4
32.5°	2185.7	1994.1	1659.5	1312.0	1065.2	844.4	701.5	617.1	620.3	633.3	630.0
35°	2377.3	2169.4	1679.0	1247.1	932.1	685.3	542.4	496.9	522.9	529.4	529.4
37.5°	2607.9	2383.8	1766.7	1195.1	792.4	506.6	428.7	409.2	431.9	428.7	441.7
40°	2734.5	2487.7	1841.4	1130.2	607.3	373.5	331.3	318.3	354.0	383.2	389.7
42.5°	2913.1	2611.1	1912.9	1006.8	412.5	272.8	253.3	295.5	347.5	380.0	383.2
45°	3010.6	2682.6	1883.6	854.1	263.1	220.8	246.8	298.8	354.0	386.5	389.7
47.5°	3127.5	2776.7	1831.7	665.8	211.1	217.6	250.1	305.3	363.7	393.0	393.0
50°	3244.4	2870.9	1705.0	522.9	198.1	214.3	256.6	308.5	360.5	380.0	380.0
52.5°	3312.6	2952.1	1555.6	380.0	194.9	214.3	259.8	311.8	357.2	367.0	367.0
55°	3374.3	2958.6	1425.7	282.5	191.6	217.6	263.1	318.3	360.5	370.2	367.0
57.5°	3410.0	2916.4	1334.8	243.6	188.4	217.6	266.3	324.8	386.5	409.2	402.7
60°	3390.5	2851.4	1266.6	227.3	185.1	217.6	269.6	344.2	490.4	529.4	516.4
62.5°	3358.1	2806.0	1123.7	207.8	178.6	217.6	272.8	389.7	545.6	565.1	548.9
65°	3315.8	2672.8	961.3	188.4	172.1	214.3	276.0	422.2	519.6	519.6	516.4
67.5°	3140.5	2494.2	717.7	168.9	162.4	214.3	282.5	415.7	500.1	542.4	542.4
70°	2906.6	2195.4	474.2	149.4	152.6	207.8	295.5	422.2	516.4	574.8	568.3
72.5°	2461.7	1821.9	263.1	129.9	139.6	204.6	295.5	448.2	558.6	623.5	613.8
75°	2010.3	1347.8	188.4	116.9	126.7	198.1	298.8	464.4	597.6	665.8	649.5
77.5°	1416.0	772.9	149.4	100.7	113.7	188.4	295.5	457.9	617.1	678.8	659.3
80°	597.6	279.3	123.4	90.9	97.4	168.9	272.8	438.4	617.1	717.7	708.0
82.5°	269.6	198.1	107.2	81.2	90.9	139.6	253.3	422.2	597.6	721.0	779.4
85°	211.1	162.4	90.9	71.4	81.2	133.2	227.3	402.7	571.6	665.8	730.7
87.5°	201.4	162.4	81.2	65.0	74.7	113.7	175.4	373.5	513.1	613.8	665.8
90°	217.6	168.9	65.0	55.2	68.2	100.7	142.9	315.0	444.9	539.1	539.1
92.5°	201.4	155.9	48.7	42.2	71.4	81.2	136.4	194.9	321.5	269.6	334.5
95°	168.9	129.9	32.5	29.2	68.2	68.2	74.7	90.9	224.1	6.5	0.0
97.5°	123.4	94.2	19.5	16.2	52.0	55.2	35.7	42.2	90.9	0.0	0.0
100°	90.9	61.7	13.0	13.0	32.5	45.5	22.7	22.7	0.0	0.0	0.0
102.5°	48.7	32.5	9.7	6.5	16.2	26.0	9.7	6.5	0.0	0.0	0.0
105°	26.0	13.0	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
107.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.2	3.2	3.2	3.2	3.2	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°
112.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.2	3.2	3.2	3.2	3.2	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	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	0.0	0.0	0.0	0.0	0.0
135°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.2	3.2	3.2	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

(END OF REPORT)