

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: P691772

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691772
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-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7948.9 lumens
Efficiency: N/A
Efficacy: 106.1 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

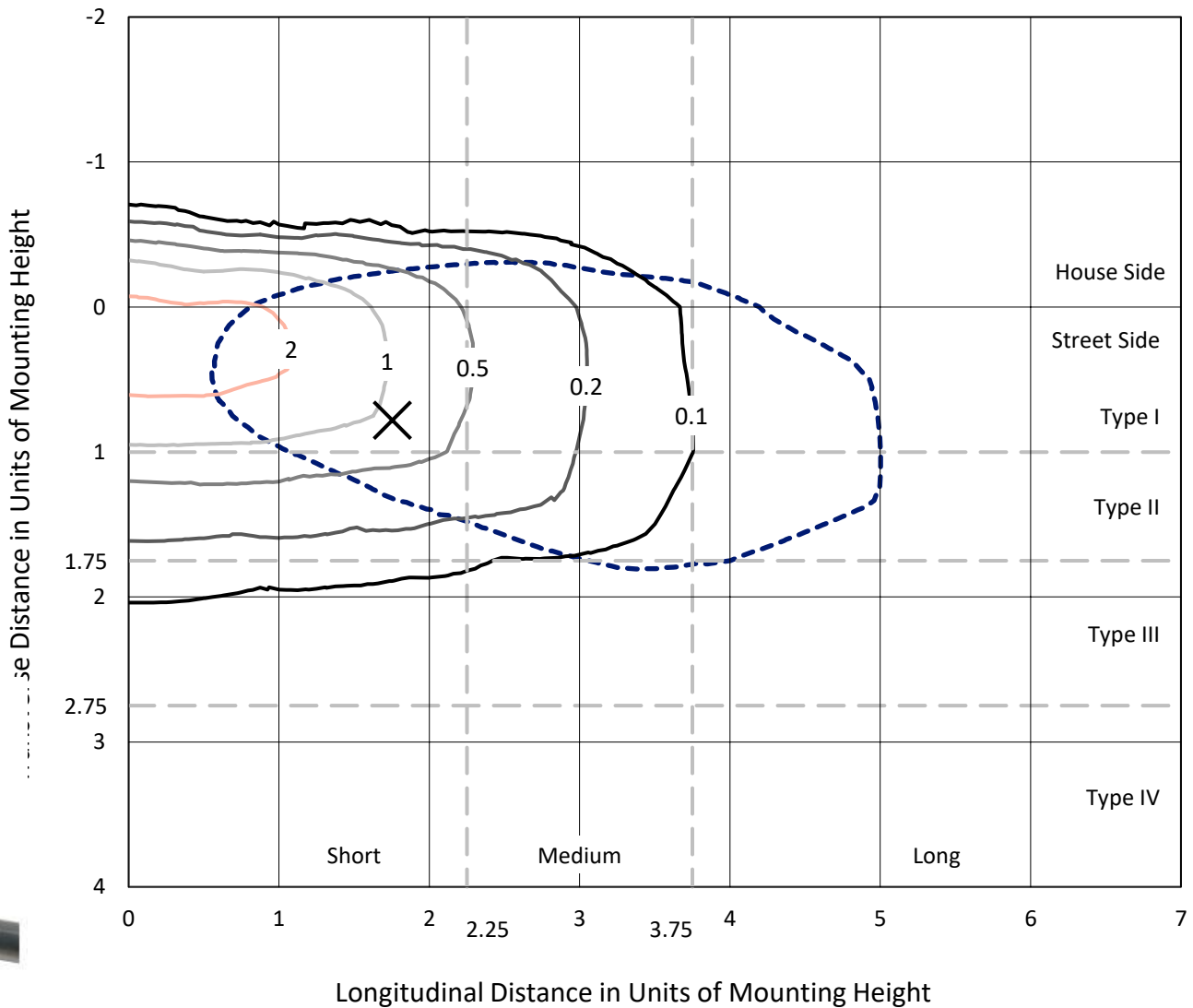


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

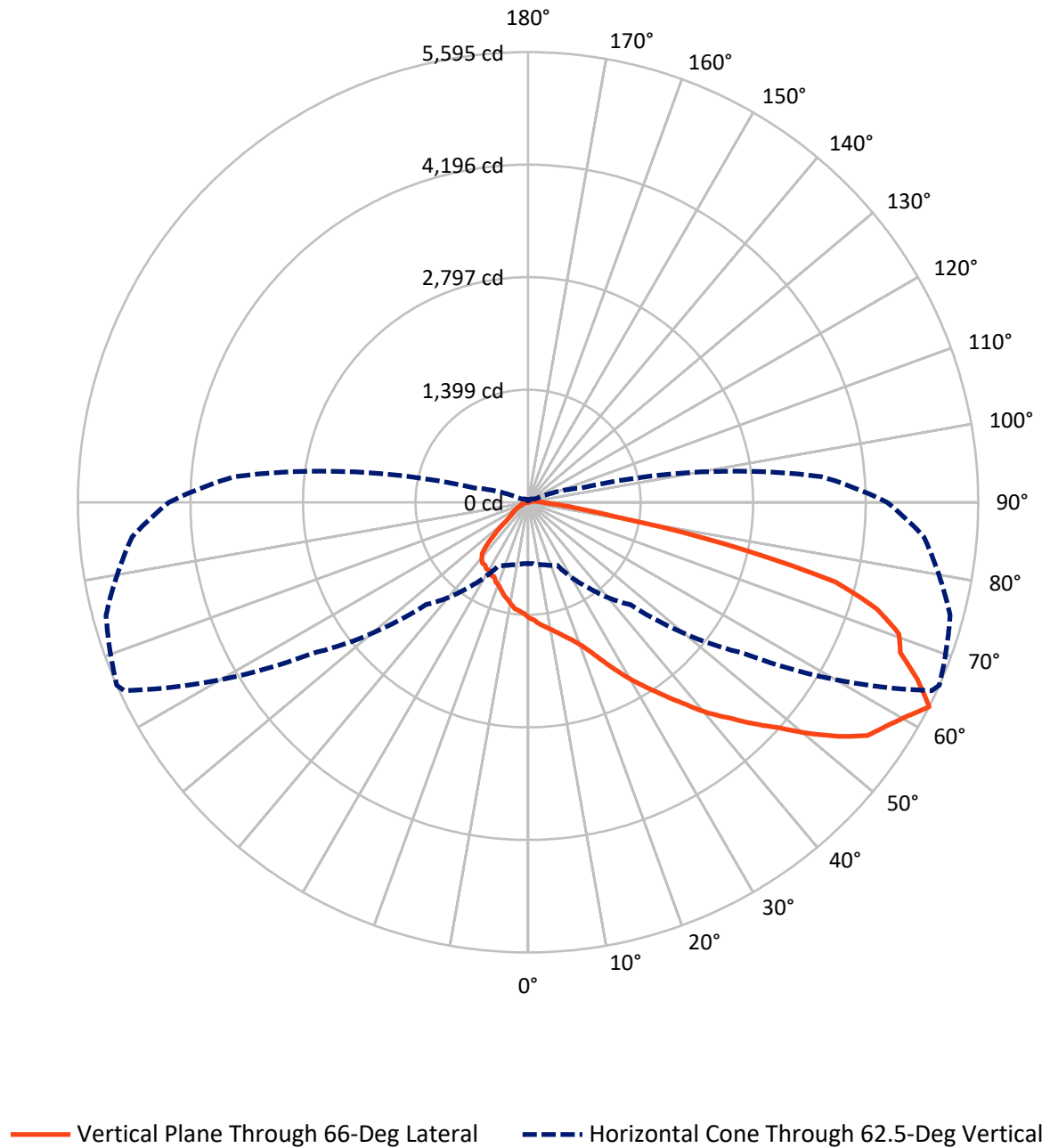


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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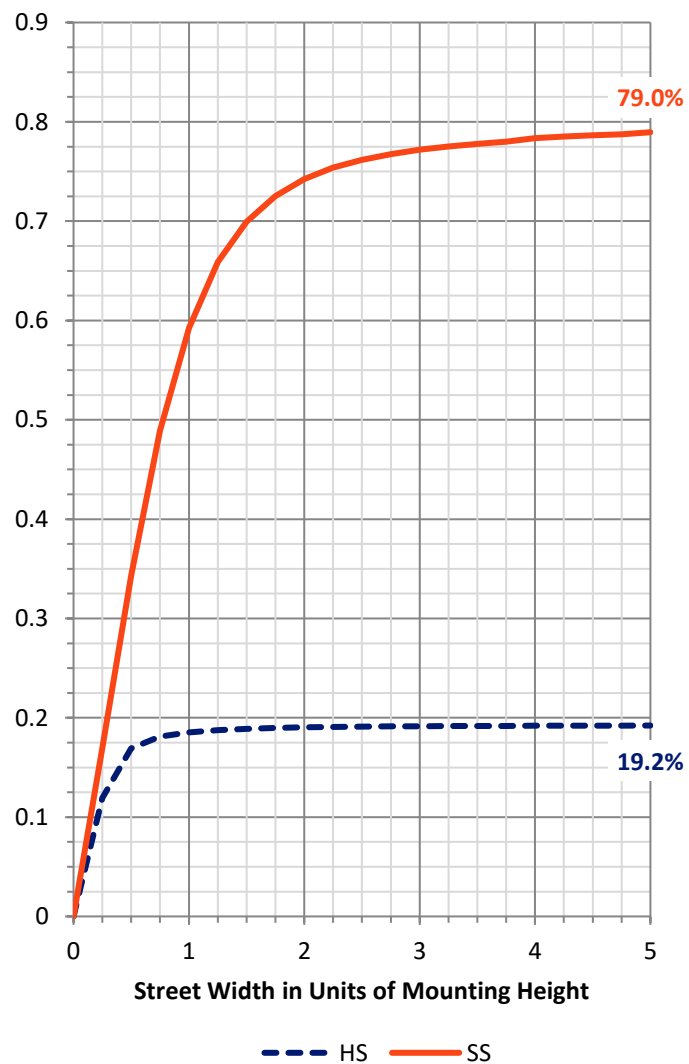
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1549.8	21.8	1571.6
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	6316.7	60.6	6377.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	7866.5	82.4	7948.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	136.4	1.7
10°-20°	400.0	5.0
20°-30°	673.0	8.5
30°-40°	1000.8	12.6
40°-50°	1324.2	16.7
50°-60°	1541.8	19.4
60°-70°	1539.2	19.4
70°-80°	1032.9	13.0
80°-90°	218.2	2.7
90°-100°	66.5	0.8
100°-110°	11.6	0.1
110°-120°	0.8	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°	7866.5	99.0
0°-180°	7948.9	100.0

Coefficient of Utilization



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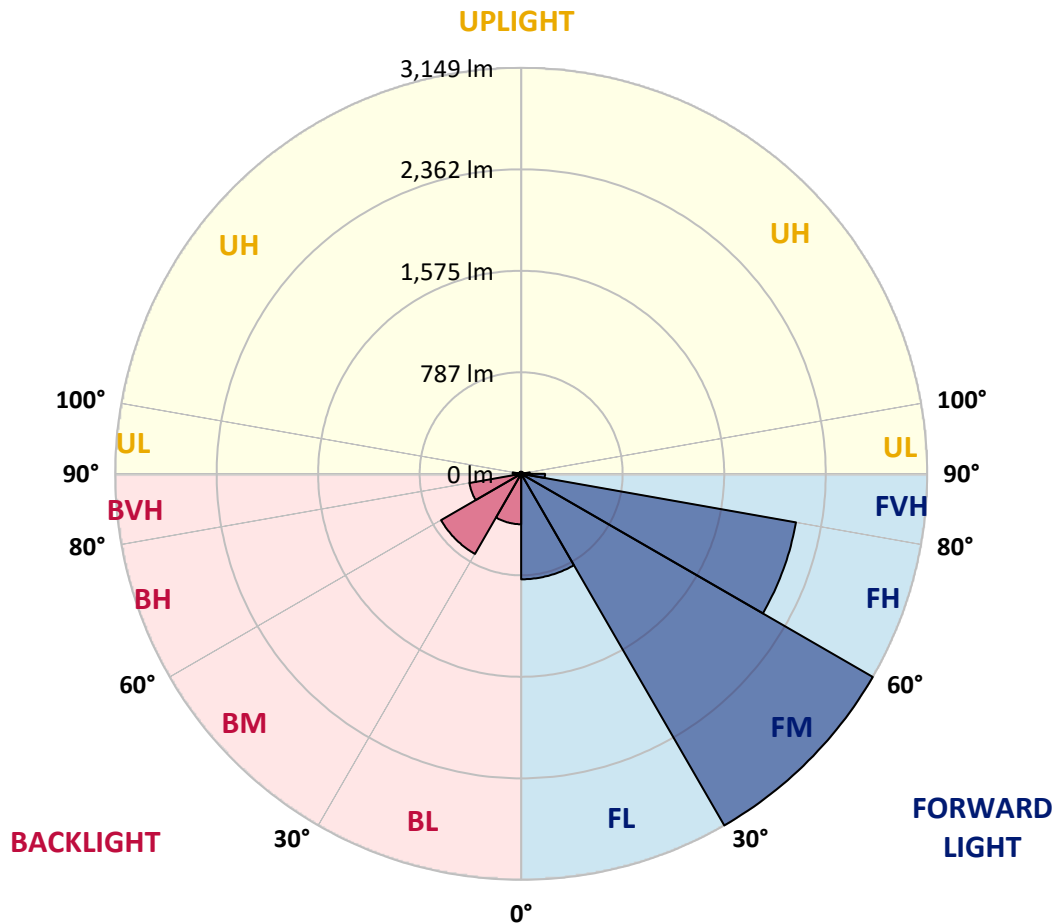
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	818.4	10.3			
FM	(30°-60°)	3149.2	39.6			
FH	(60°-80°)	2164.6	27.2			G2/5000
FVH	(80°-90°)	184.7	2.3			G2/225
BL	(0°-30°)	391.0	4.9	B1/500		
BM	(30°-60°)	717.6	9.0	B1/1000		
BH	(60°-80°)	407.6	5.1	B1/500		G1/500
BVH	(80°-90°)	33.6	0.4			G1/100
UL	(90°-100°)	66.5	0.8		U3/500	
UH	(100°-180°)	15.9	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°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1533.1	1524.2	1527.2	1512.5	1497.8	1489.0	1480.2	1465.5	1465.5	1453.8	1439.1
5°	1641.7	1644.7	1641.7	1624.1	1606.5	1580.0	1547.7	1521.3	1521.3	1494.9	1459.6
7.5°	1715.1	1712.2	1712.2	1691.7	1679.9	1665.2	1627.0	1568.3	1565.4	1530.1	1486.1
10°	1744.5	1747.5	1759.2	1729.8	1718.1	1697.5	1677.0	1618.2	1612.4	1553.6	1483.1
12.5°	1809.1	1812.1	1806.2	1782.7	1768.0	1753.3	1721.0	1671.1	1665.2	1600.6	1503.7
15°	1885.5	1885.5	1876.7	1853.2	1844.4	1823.8	1785.6	1738.6	1732.8	1659.3	1541.9
17.5°	1926.6	1932.5	1932.5	1900.2	1903.1	1894.3	1873.7	1812.1	1803.3	1735.7	1594.7
20°	1947.2	1950.1	1956.0	1956.0	1953.0	1950.1	1961.8	1906.0	1900.2	1820.9	1656.4
22.5°	2005.9	2011.8	2026.5	2017.6	2026.5	2038.2	2041.1	2038.2	2029.4	1944.2	1759.2
25°	2032.3	2050.0	2070.5	2096.9	2123.4	2141.0	2182.1	2202.7	2196.8	2114.6	1920.7
27.5°	2003.0	2020.6	2094.0	2143.9	2226.2	2276.1	2352.5	2384.8	2381.8	2314.3	2088.1
30°	2052.9	2058.8	2091.1	2161.6	2267.3	2405.3	2511.0	2561.0	2572.7	2511.0	2264.3
32.5°	1979.5	2000.0	2091.1	2223.2	2381.8	2528.7	2631.5	2743.1	2757.7	2731.3	2496.4
35°	1973.6	1988.3	2038.2	2182.1	2384.8	2657.9	2798.9	2951.6	2963.3	2972.1	2731.3
37.5°	1891.4	1911.9	2011.8	2193.9	2472.9	2743.1	2939.8	3160.1	3189.5	3224.7	2928.1
40°	1800.3	1815.0	1900.2	2094.0	2452.3	2842.9	3074.9	3412.7	3442.0	3486.1	3189.5
42.5°	1665.2	1697.5	1841.4	2050.0	2440.6	2872.3	3210.0	3635.9	3662.3	3724.0	3409.7
45°	1544.8	1559.5	1671.1	1900.2	2346.6	2925.1	3324.6	3897.3	3923.7	3953.1	3583.0
47.5°	1450.8	1468.4	1574.2	1779.8	2252.6	2913.4	3430.3	4155.7	4185.1	4252.6	3797.4
50°	1151.3	1195.3	1462.6	1662.3	2096.9	2889.9	3521.3	4443.5	4511.1	4537.5	4020.6
52.5°	989.7	1004.4	1142.5	1556.6	1944.2	2804.7	3600.6	4757.8	4834.1	4784.2	4320.2
55°	922.2	931.0	998.5	1348.0	1806.2	2631.5	3665.2	5060.3	5116.1	4957.5	4540.4
57.5°	872.3	886.9	916.3	1092.5	1644.7	2340.7	3668.2	5227.7	5248.2	5101.4	4646.2
60°	807.6	813.5	875.2	951.6	1462.6	2038.2	3568.3	5312.8	5403.9	5268.8	4860.6
62.5°	760.7	766.5	804.7	866.4	1289.3	1800.3	3274.6	5539.0	5594.8	5430.3	4939.9
65°	701.9	710.7	743.0	804.7	1168.9	1656.4	3127.8	5480.2	5318.7	5392.1	5030.9
67.5°	640.2	646.1	681.4	728.3	995.6	1518.4	2763.6	5107.3	4989.8	5201.2	4787.1
70°	575.6	581.5	613.8	646.1	819.4	1348.0	2302.5	4790.1	4889.9	4901.7	4558.1
72.5°	508.1	514.0	543.3	569.8	678.4	1133.6	1829.7	4472.9	4534.6	4355.4	4026.5
75°	440.5	443.5	467.0	493.4	563.9	913.4	1309.9	3709.3	3944.2	4161.6	3474.3
77.5°	355.4	361.2	384.7	393.5	452.3	737.2	848.8	2205.6	2514.0	3641.7	3119.0
80°	261.4	264.3	287.8	284.9	337.7	537.5	534.5	1048.5	1127.8	2249.7	2290.8
82.5°	173.3	179.2	199.7	193.8	229.1	326.0	334.8	563.9	602.1	872.3	1004.4
85°	138.0	141.0	152.7	141.0	152.7	164.5	185.0	340.7	346.6	516.9	514.0
87.5°	111.6	114.5	126.3	117.5	120.4	126.3	146.8	217.3	223.2	326.0	337.7
90°	88.1	91.0	105.7	96.9	96.9	105.7	123.3	161.5	170.3	255.5	276.1
92.5°	58.7	58.7	67.5	64.6	64.6	76.4	108.7	120.4	129.2	237.9	249.6
95°	44.1	44.1	47.0	47.0	47.0	55.8	82.2	114.5	126.3	232.0	226.1
97.5°	29.4	29.4	32.3	32.3	32.3	35.2	47.0	94.0	105.7	188.0	185.0
100°	20.6	20.6	20.6	17.6	17.6	17.6	26.4	61.7	70.5	120.4	120.4
102.5°	14.7	11.7	11.7	11.7	8.8	8.8	11.7	29.4	32.3	64.6	61.7
105°	2.9	2.9	5.9	5.9	5.9	2.9	2.9	11.7	11.7	26.4	26.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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	2.9
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°	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1	1436.1
2.5°	1430.3	1421.5	1400.9	1383.3	1368.6	1353.9	1330.4	1321.6	1315.7	1324.5	1324.5
5°	1439.1	1415.6	1380.3	1351.0	1324.5	1292.2	1257.0	1236.4	1218.8	1227.6	1227.6
7.5°	1453.8	1421.5	1377.4	1327.5	1259.9	1204.1	1160.1	1133.6	1119.0	1127.8	1133.6
10°	1445.0	1409.7	1351.0	1274.6	1195.3	1136.6	1080.8	1039.7	1025.0	1019.1	1025.0
12.5°	1453.8	1412.6	1312.8	1221.7	1145.4	1051.4	983.9	939.8	922.2	922.2	922.2
15°	1483.1	1421.5	1289.3	1183.6	1066.1	975.0	904.6	857.6	851.7	831.1	831.1
17.5°	1524.2	1430.3	1280.5	1124.8	995.6	901.6	819.4	772.4	757.7	760.7	760.7
20°	1565.4	1447.9	1262.9	1074.9	931.0	819.4	734.2	690.2	654.9	643.2	649.1
22.5°	1635.8	1497.8	1248.2	1048.5	857.6	751.8	657.9	584.4	525.7	508.1	499.3
25°	1738.6	1577.1	1268.7	986.8	813.5	675.5	563.9	461.1	390.6	373.0	370.0
27.5°	1926.6	1700.5	1292.2	986.8	743.0	607.9	449.3	340.7	284.9	267.3	273.1
30°	2102.8	1867.9	1359.8	933.9	713.7	487.5	334.8	255.5	205.6	185.0	190.9
32.5°	2249.7	2026.5	1453.8	922.2	628.5	361.2	243.8	179.2	143.9	132.2	135.1
35°	2461.1	2161.6	1527.2	881.1	516.9	264.3	170.3	126.3	111.6	105.7	105.7
37.5°	2663.8	2326.0	1600.6	872.3	381.8	193.8	114.5	102.8	99.9	91.0	91.0
40°	2857.6	2493.4	1632.9	822.3	270.2	126.3	96.9	94.0	91.0	82.2	82.2
42.5°	3095.5	2655.0	1662.3	757.7	188.0	94.0	85.2	88.1	85.2	76.4	73.4
45°	3277.6	2763.6	1671.1	593.3	120.4	88.1	79.3	82.2	79.3	70.5	70.5
47.5°	3430.3	2910.5	1635.8	405.3	99.9	82.2	73.4	76.4	73.4	67.5	64.6
50°	3585.9	3045.6	1603.5	217.3	94.0	79.3	70.5	64.6	67.5	61.7	58.7
52.5°	3797.4	3145.4	1518.4	132.2	88.1	73.4	64.6	58.7	58.7	52.9	55.8
55°	4088.2	3392.1	1359.8	123.3	85.2	70.5	61.7	52.9	52.9	47.0	47.0
57.5°	4217.4	3489.0	1104.3	111.6	82.2	70.5	55.8	47.0	41.1	38.2	35.2
60°	4376.0	3632.9	869.3	102.8	76.4	67.5	49.9	41.1	32.3	29.4	29.4
62.5°	4464.1	3662.3	678.4	94.0	73.4	58.7	44.1	32.3	26.4	20.6	20.6
65°	4508.1	3641.7	452.3	85.2	67.5	55.8	38.2	26.4	17.6	14.7	14.7
67.5°	4340.7	3533.1	261.4	79.3	64.6	49.9	32.3	20.6	14.7	11.7	8.8
70°	4055.9	3215.9	164.5	70.5	61.7	44.1	29.4	17.6	11.7	8.8	5.9
72.5°	3721.0	2625.6	120.4	64.6	58.7	38.2	23.5	14.7	8.8	5.9	5.9
75°	3398.0	2287.8	102.8	55.8	49.9	32.3	20.6	11.7	8.8	5.9	2.9
77.5°	2431.7	1559.5	91.0	49.9	44.1	26.4	14.7	11.7	5.9	2.9	2.9
80°	1726.9	916.3	82.2	41.1	35.2	20.6	14.7	8.8	5.9	2.9	2.9
82.5°	828.2	475.8	79.3	35.2	26.4	17.6	11.7	8.8	5.9	2.9	2.9
85°	375.9	202.6	58.7	32.3	23.5	17.6	11.7	8.8	5.9	5.9	2.9
87.5°	229.1	105.7	47.0	26.4	17.6	14.7	8.8	5.9	5.9	5.9	5.9
90°	214.4	138.0	35.2	20.6	14.7	11.7	8.8	2.9	0.0	0.0	0.0
92.5°	205.6	158.6	26.4	14.7	8.8	8.8	2.9	0.0	0.0	0.0	0.0
95°	193.8	149.8	29.4	8.8	14.7	5.9	2.9	0.0	0.0	0.0	0.0
97.5°	152.7	117.5	32.3	8.8	73.4	5.9	2.9	0.0	0.0	0.0	0.0
100°	96.9	73.4	23.5	8.8	88.1	5.9	0.0	0.0	0.0	0.0	0.0
102.5°	55.8	41.1	11.7	8.8	26.4	2.9	0.0	0.0	0.0	0.0	0.0
105°	23.5	20.6	5.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
107.5°	5.9	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	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°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.9	2.9	2.9	2.9	2.9	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)