

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: P691943

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691943
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9572 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B3 - U3 - G3

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

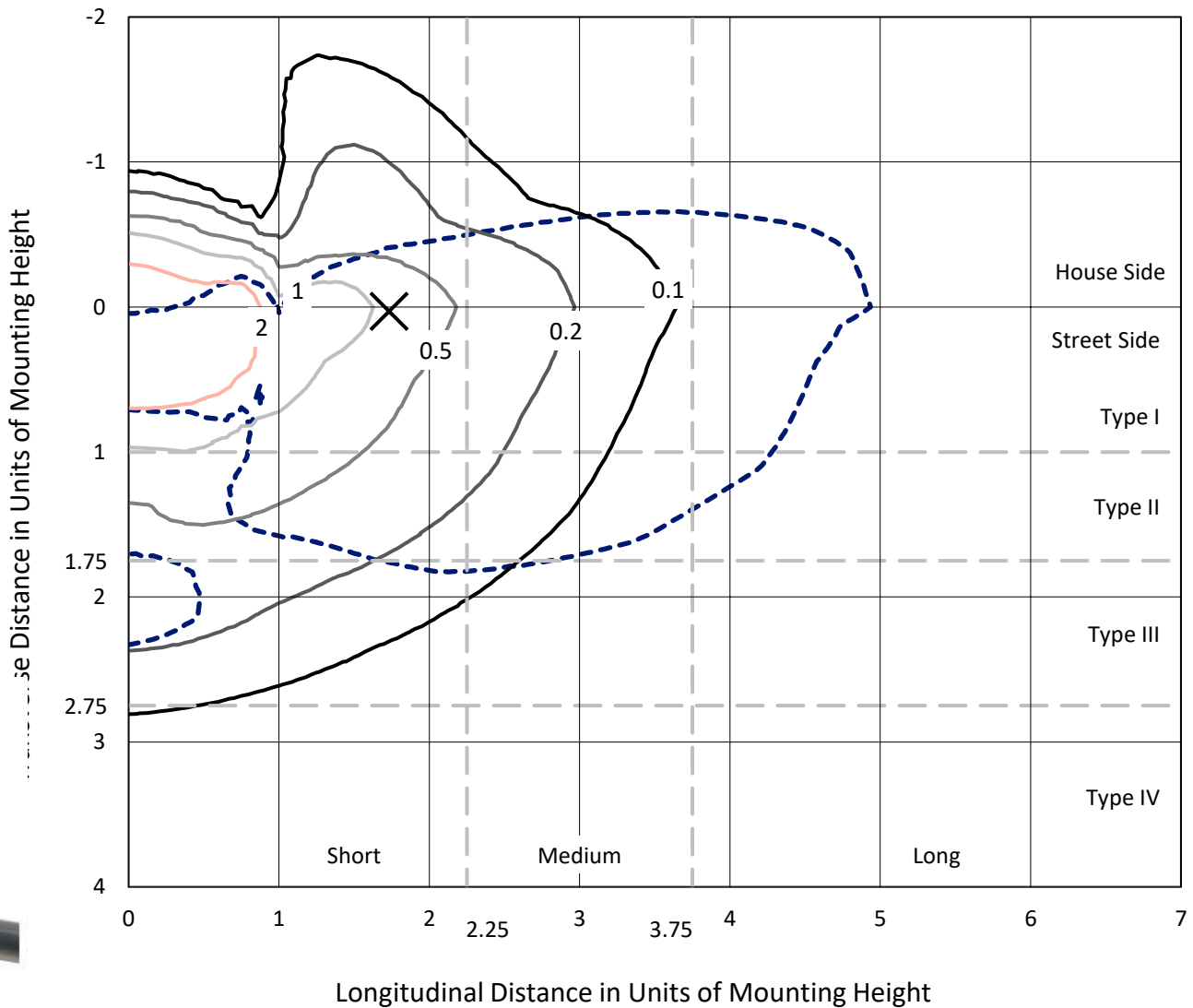


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 --- 1/2 Max cd

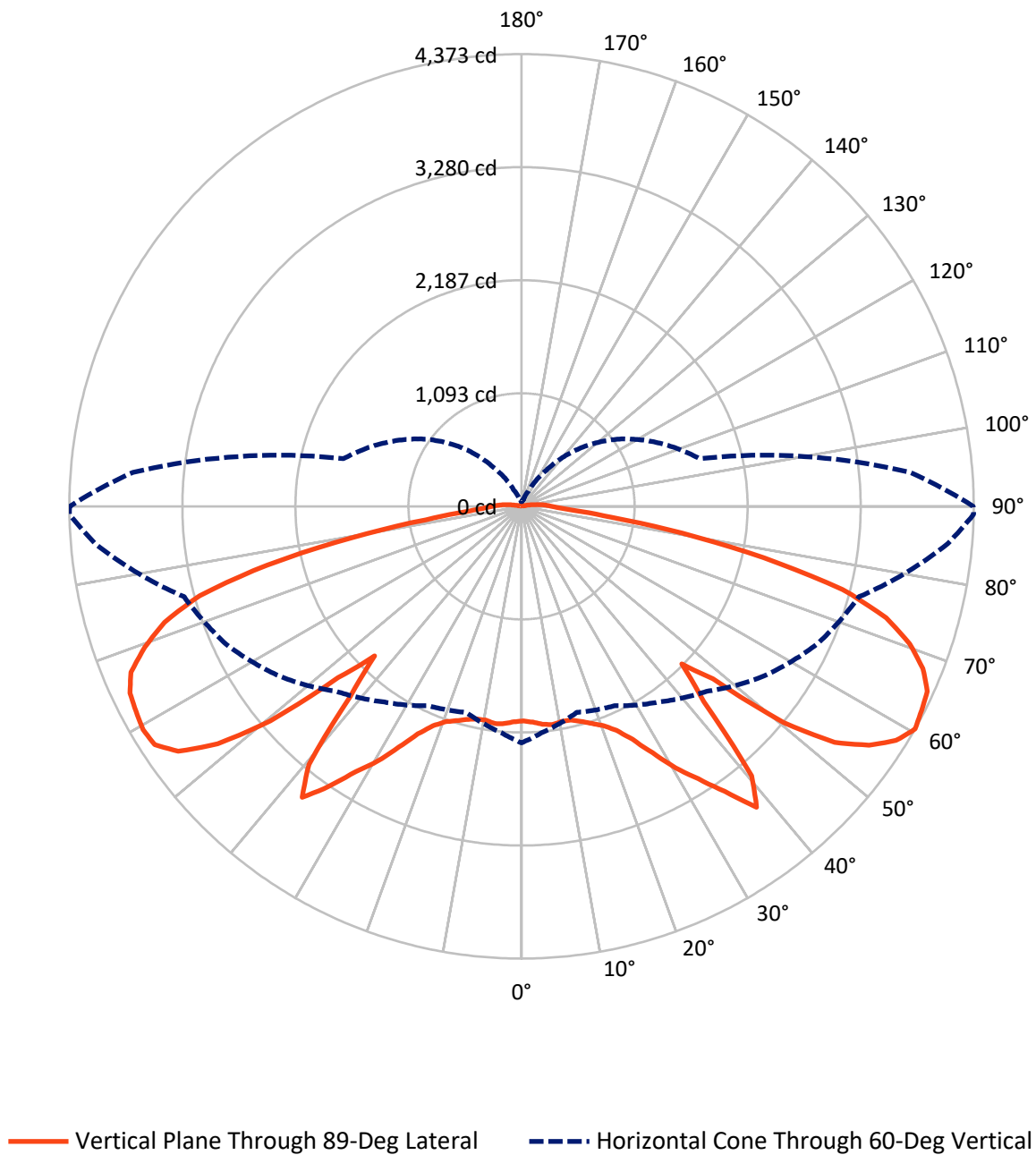


Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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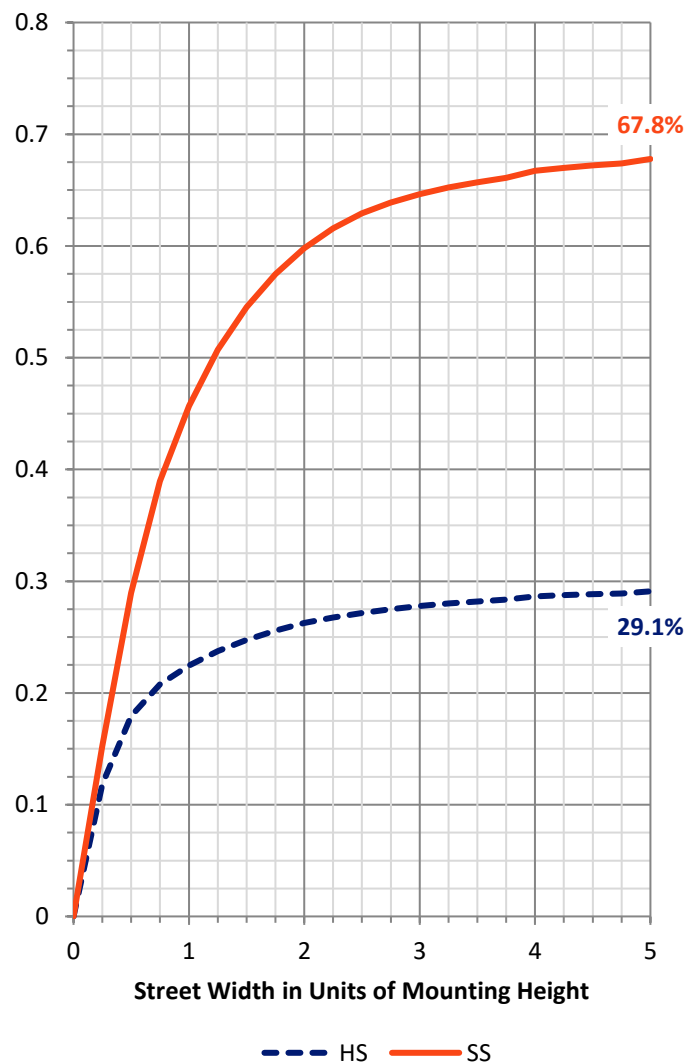
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2841.6	53.3	2895.0
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	6574.2	102.9	6677.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	9415.8	156.2	9572.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	199.5	2.1
10°-20°	588.7	6.2
20°-30°	971.8	10.2
30°-40°	1318.2	13.8
40°-50°	1098.0	11.5
50°-60°	1520.6	15.9
60°-70°	1874.2	19.6
70°-80°	1419.1	14.8
80°-90°	425.8	4.4
90°-100°	110.4	1.2
100°-110°	25.2	0.3
110°-120°	11.8	0.1
120°-130°	8.0	0.1
130°-140°	0.8	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9415.8	98.4
0°-180°	9572.0	100.0

Coefficient of Utilization



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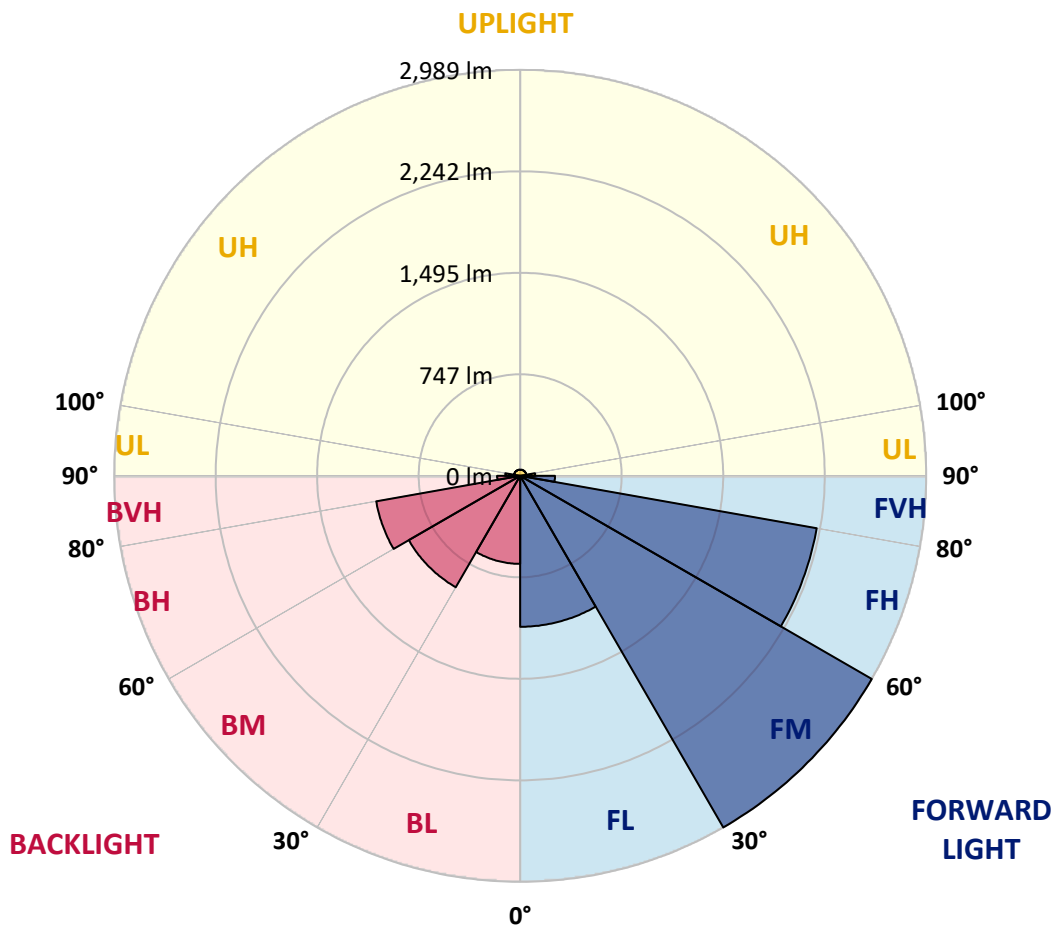
CATALOG NUMBER: CRTK2-C01HO-D-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1111.8	11.6			
FM	(30°-60°)	2989.4	31.2			
FH	(60°-80°)	2216.9	23.2			G2/5000
FVH	(80°-90°)	256.1	2.7			G3/500
BL	(0°-30°)	648.1	6.8	B2/1000		
BM	(30°-60°)	947.4	9.9	B1/1000		
BH	(60°-80°)	1076.3	11.2	B3/2500		G3/2500
BVH	(80°-90°)	169.8	1.8			G2/225
UL	(90°-100°)	110.4	1.2		U3/500	
UH	(100°-180°)	45.8	0.5		U2/50	

BUG Rating: B3-U3-G3

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6
2.5°	2177.2	2165.8	2165.8	2165.8	2143.0	2143.0	2127.8	2120.2	2105.0	2093.6	2089.8
5°	2302.6	2295.0	2295.0	2291.2	2268.4	2253.2	2222.8	2196.2	2173.4	2135.4	2116.4
7.5°	2401.4	2390.0	2390.0	2386.2	2363.4	2344.4	2310.2	2249.4	2203.8	2162.0	2131.6
10°	2435.6	2431.8	2428.0	2416.6	2397.6	2382.4	2352.0	2295.0	2222.8	2154.4	2116.4
12.5°	2500.2	2500.2	2488.8	2473.6	2458.4	2443.2	2401.4	2355.8	2276.0	2169.6	2120.2
15°	2583.8	2576.2	2568.6	2561.0	2549.6	2526.8	2488.8	2431.8	2340.6	2211.4	2158.2
17.5°	2618.0	2614.2	2614.2	2618.0	2614.2	2599.0	2591.4	2526.8	2431.8	2268.4	2207.6
20°	2625.6	2629.4	2637.0	2663.6	2671.2	2663.6	2675.0	2637.0	2526.8	2344.4	2264.6
22.5°	2671.2	2678.8	2694.0	2720.6	2732.0	2743.4	2754.8	2785.2	2675.0	2462.2	2352.0
25°	2652.2	2659.8	2705.4	2747.2	2789.0	2823.2	2895.4	2963.8	2884.0	2637.0	2496.4
27.5°	2602.8	2618.0	2697.8	2781.4	2884.0	2975.2	3108.1	3191.7	3127.1	2857.4	2697.8
30°	2644.6	2644.6	2697.8	2819.4	2952.4	3157.5	3332.3	3427.3	3381.7	3070.2	2933.4
32.5°	2557.2	2580.0	2690.2	2872.6	3077.8	3339.9	3510.9	3678.1	3693.3	3355.1	3142.3
35°	2287.4	2325.4	2416.6	2659.8	2975.2	3431.1	3731.3	3955.5	4027.7	3697.1	3385.5
37.5°	1884.6	1911.2	2070.8	2314.0	2690.2	3127.1	3609.7	4118.9	4320.2	3917.5	3693.3
40°	1668.1	1687.1	1782.1	1983.4	2329.2	2751.0	3130.9	3621.1	3731.3	3575.5	3427.3
42.5°	1595.9	1626.3	1744.1	1930.2	2211.4	2507.8	2568.6	2751.0	2694.0	2713.0	2583.8
45°	1694.7	1706.1	1793.5	1956.8	2127.8	2207.6	2127.8	2253.2	2314.0	2302.6	2173.4
47.5°	1744.1	1763.1	1858.0	2067.0	2067.0	2070.8	2169.6	2245.6	2420.4	2583.8	2492.6
50°	1497.1	1523.7	1698.5	1865.6	1892.2	2207.6	2466.0	2614.2	2796.6	3233.5	3286.7
52.5°	1409.7	1428.7	1618.7	1953.0	2146.8	2469.8	2629.4	2766.2	2922.0	3643.9	3792.1
55°	1542.7	1576.9	1801.1	2146.8	2359.6	2553.4	2758.6	2956.2	3123.3	3966.9	4077.1
57.5°	1782.1	1846.7	1983.4	2177.2	2378.6	2553.4	2827.0	3070.2	3290.5	4092.3	4270.9
60°	2287.4	2200.0	2063.2	2127.8	2310.2	2530.6	2861.2	3153.7	3377.9	4137.9	4373.4
62.5°	2523.0	2458.4	2124.0	2036.6	2196.2	2450.8	2796.6	3153.7	3347.5	4050.5	4343.0
65°	2439.4	2386.2	2146.8	1930.2	2055.6	2340.6	2697.8	3108.1	3279.1	3940.3	4312.6
67.5°	2078.4	2025.2	1949.2	1869.4	1922.6	2230.4	2606.6	3024.6	3203.1	3849.1	4187.3
70°	1690.9	1660.5	1633.9	1694.7	1793.5	2063.2	2424.2	2838.4	3051.2	3628.7	3982.1
72.5°	1440.1	1421.1	1375.5	1436.3	1592.1	1839.1	2150.6	2564.8	2819.4	3256.3	3689.5
75°	1223.5	1212.1	1196.9	1227.3	1326.1	1557.9	1804.9	2211.4	2519.2	2842.2	3206.9
77.5°	991.7	976.5	1010.7	1018.3	1094.3	1261.5	1421.1	1759.3	2101.2	2230.4	2393.8
80°	721.9	737.1	794.1	771.3	828.3	885.3	999.3	1147.5	1417.3	1561.7	1573.1
82.5°	505.4	520.6	573.8	516.8	532.0	535.8	577.6	630.7	740.9	862.5	877.7
85°	357.2	364.8	376.2	334.4	334.4	334.4	361.0	391.4	448.4	497.8	509.2
87.5°	254.6	254.6	269.8	254.6	250.8	247.0	262.2	273.6	307.8	342.0	349.6
90°	190.0	190.0	197.6	190.0	190.0	190.0	205.2	216.6	247.0	277.4	281.2
92.5°	136.8	136.8	148.2	144.4	144.4	148.2	163.4	171.0	197.6	228.0	231.8
95°	106.4	106.4	114.0	110.2	110.2	117.8	129.2	136.8	155.8	171.0	174.8
97.5°	76.0	76.0	79.8	79.8	79.8	79.8	87.4	98.8	121.6	121.6	117.8
100°	53.2	53.2	57.0	53.2	53.2	57.0	57.0	64.6	76.0	72.2	72.2
102.5°	38.0	38.0	38.0	38.0	38.0	34.2	34.2	38.0	41.8	38.0	38.0
105°	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	26.6	22.8
107.5°	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	22.8	19.0	19.0
110°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.2	15.2
115°	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	19.0	15.2	15.2
117.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
120°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
122.5°	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2	15.2
125°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	15.2	15.2	11.4
127.5°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4
130°	11.4	7.6	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	7.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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°	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6	2074.6
2.5°	2086.0	2078.4	2055.6	2029.0	2006.2	1987.2	1968.2	1953.0	1949.2	1941.6	1949.2
5°	2112.6	2086.0	2032.8	1998.6	1968.2	1937.8	1907.4	1892.2	1880.8	1873.2	1873.2
7.5°	2124.0	2086.0	2025.2	1979.6	1915.0	1850.4	1812.5	1782.1	1770.7	1782.1	1782.1
10°	2105.0	2059.4	1987.2	1918.8	1831.5	1778.3	1725.1	1698.5	1683.3	1683.3	1671.9
12.5°	2112.6	2059.4	1953.0	1850.4	1778.3	1683.3	1618.7	1588.3	1565.5	1573.1	1573.1
15°	2143.0	2070.8	1922.6	1820.1	1694.7	1618.7	1538.9	1519.9	1516.1	1504.7	1497.1
17.5°	2188.6	2082.2	1915.0	1751.7	1622.5	1531.3	1455.3	1421.1	1402.1	1390.7	1386.9
20°	2238.0	2097.4	1892.2	1687.1	1546.5	1428.7	1337.5	1291.9	1276.7	1276.7	1269.1
22.5°	2321.6	2150.6	1873.2	1656.7	1443.9	1326.1	1234.9	1170.3	1139.9	1136.1	1132.3
25°	2458.4	2253.2	1892.2	1588.3	1383.1	1208.3	1105.7	1048.7	1014.5	1003.1	1003.1
27.5°	2667.4	2393.8	1918.8	1550.3	1257.7	1098.1	984.1	896.7	847.3	851.1	854.9
30°	2891.6	2602.8	1994.8	1489.5	1177.9	942.3	805.5	737.1	691.5	676.3	668.7
32.5°	3074.0	2819.4	2105.0	1440.1	1029.7	752.3	634.5	585.2	535.8	494.0	478.8
35°	3355.1	3001.8	2200.0	1367.9	908.1	615.6	513.0	437.0	395.2	376.2	368.6
37.5°	3609.7	3180.3	2272.2	1352.7	737.1	528.2	406.6	326.8	285.0	281.2	281.2
40°	3301.9	2956.2	2219.0	1231.1	581.4	410.4	292.6	231.8	201.4	186.2	186.2
42.5°	2526.8	2264.6	1690.9	1025.9	418.0	277.4	186.2	174.8	171.0	155.8	155.8
45°	2116.4	1671.9	1025.9	535.8	197.6	152.0	133.0	133.0	136.8	148.2	148.2
47.5°	2542.0	1975.8	756.1	383.8	193.8	133.0	117.8	106.4	98.8	95.0	95.0
50°	3290.5	2811.8	965.1	456.0	231.8	136.8	106.4	95.0	91.2	87.4	79.8
52.5°	3837.7	3294.3	1272.9	695.3	372.4	174.8	106.4	79.8	60.8	53.2	49.4
55°	4168.3	3716.1	1500.9	999.3	604.2	292.6	133.0	72.2	53.2	45.6	41.8
57.5°	4346.8	3765.5	1690.9	1272.9	889.1	520.6	231.8	87.4	53.2	41.8	41.8
60°	4369.6	3773.1	1782.1	1455.3	1132.3	790.3	440.8	171.0	68.4	49.4	45.6
62.5°	4350.6	3708.5	1804.9	1527.5	1280.5	1010.7	695.3	338.2	106.4	57.0	53.2
65°	4316.4	3712.3	1702.3	1462.9	1280.5	1082.9	805.5	444.6	152.0	64.6	60.8
67.5°	4202.5	3700.9	1645.3	1322.3	1158.9	968.9	721.9	414.2	174.8	79.8	76.0
70°	3970.7	3564.1	1611.1	1265.3	1086.7	862.5	608.0	330.6	197.6	136.8	148.2
72.5°	3708.5	3317.1	1576.9	1215.9	1060.1	858.7	611.8	357.2	266.0	224.2	239.4
75°	3317.1	2887.8	1516.1	1166.5	1044.9	885.3	619.3	338.2	250.8	201.4	197.6
77.5°	2553.4	2401.4	1383.1	1044.9	949.9	816.9	528.2	258.4	186.2	140.6	136.8
80°	1668.1	1649.1	1079.1	843.5	801.7	721.9	440.8	201.4	148.2	114.0	106.4
82.5°	942.3	904.3	672.5	532.0	566.2	585.2	357.2	152.0	114.0	91.2	83.6
85°	535.8	543.4	391.4	288.8	292.6	345.8	231.8	106.4	72.2	53.2	49.4
87.5°	368.6	380.0	254.6	193.8	174.8	163.4	121.6	64.6	41.8	26.6	19.0
90°	300.2	300.2	190.0	140.6	121.6	106.4	68.4	38.0	30.4	15.2	11.4
92.5°	243.2	254.6	159.6	114.0	95.0	83.6	53.2	26.6	19.0	11.4	7.6
95°	182.4	193.8	129.2	95.0	76.0	64.6	45.6	22.8	15.2	7.6	7.6
97.5°	125.4	125.4	91.2	72.2	60.8	49.4	34.2	19.0	11.4	7.6	7.6
100°	72.2	76.0	53.2	45.6	41.8	38.0	22.8	15.2	7.6	3.8	3.8
102.5°	38.0	38.0	26.6	26.6	22.8	22.8	19.0	11.4	7.6	3.8	3.8
105°	22.8	22.8	19.0	19.0	15.2	15.2	11.4	7.6	3.8	0.0	3.8
107.5°	19.0	19.0	15.2	15.2	11.4	11.4	7.6	7.6	3.8	0.0	0.0
110°	15.2	15.2	11.4	11.4	11.4	7.6	7.6	3.8	3.8	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	15.2	15.2	11.4	11.4	7.6	7.6	7.6	3.8	3.8	0.0	0.0
115°	15.2	11.4	11.4	7.6	7.6	7.6	3.8	3.8	0.0	0.0	0.0
117.5°	15.2	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
120°	15.2	11.4	7.6	7.6	7.6	7.6	3.8	3.8	0.0	0.0	0.0
122.5°	15.2	11.4	7.6	7.6	7.6	3.8	3.8	3.8	0.0	0.0	0.0
125°	11.4	11.4	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0
127.5°	11.4	11.4	7.6	7.6	3.8	3.8	3.8	3.8	0.0	0.0	0.0
130°	11.4	11.4	7.6	7.6	3.8	3.8	3.8	3.8	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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

(END OF REPORT)