

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: P691776

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691776
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
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-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8718 lumens
Efficiency: N/A
Efficacy: 116.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B3 - U3 - G3

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

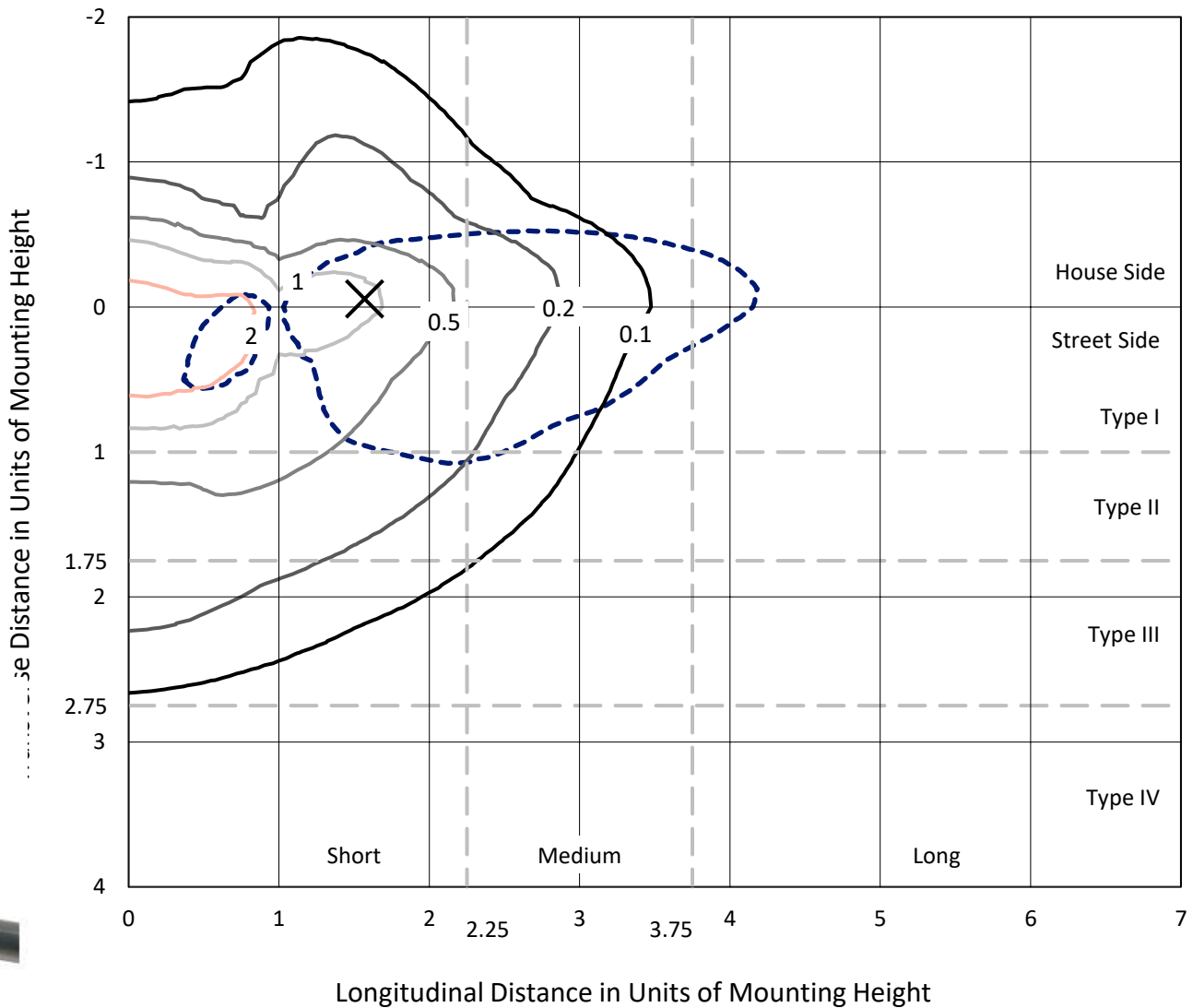


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

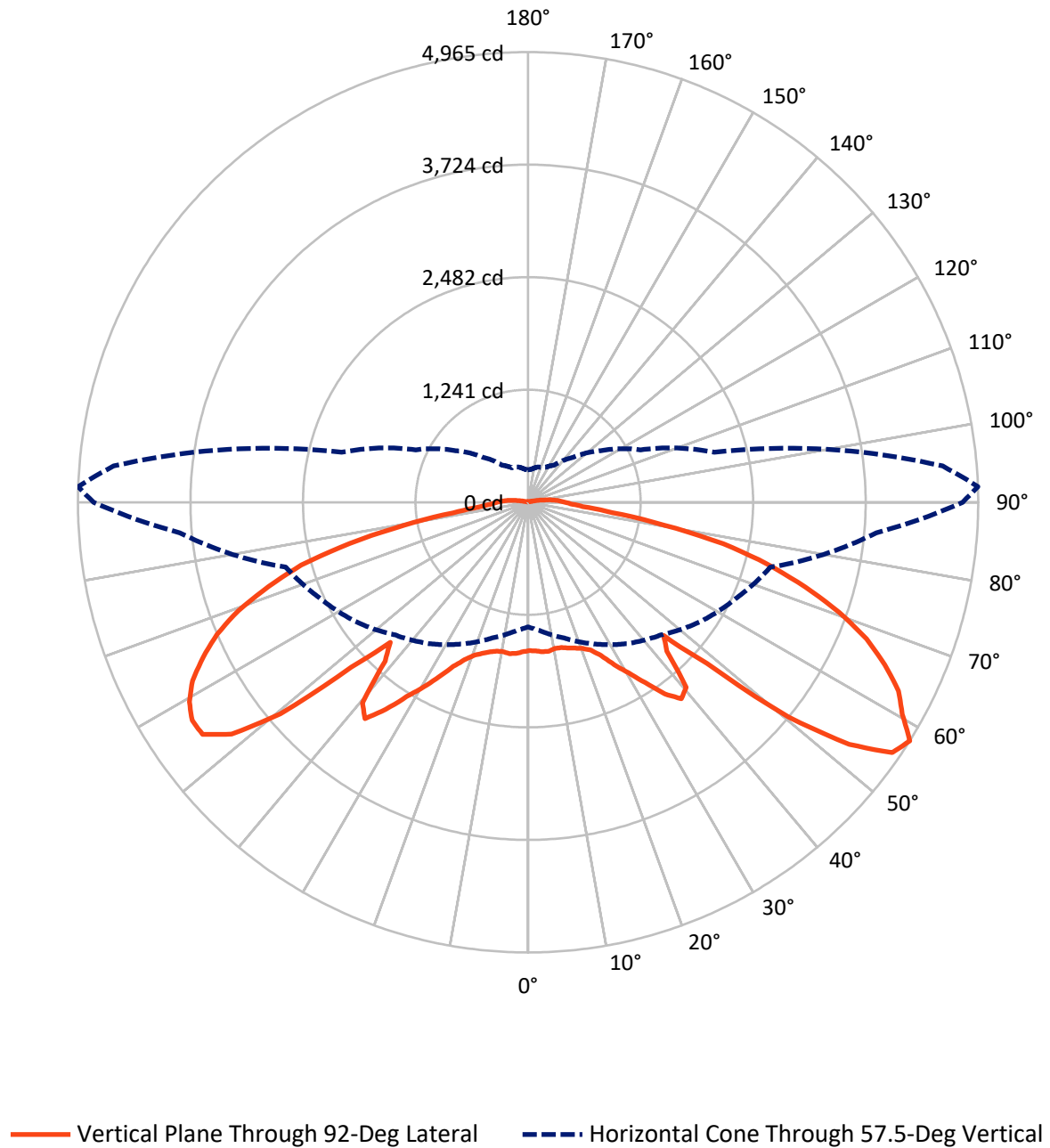


Based on 25 foot mounting height. Maximum calculated value = 2.9 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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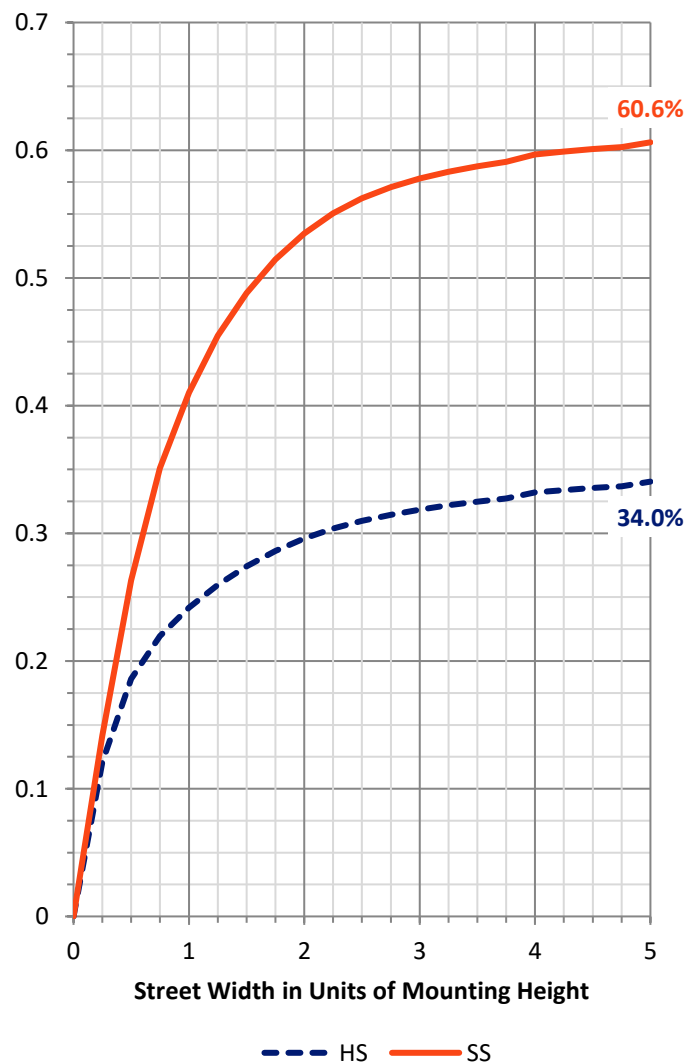
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3110.7	135.9	3246.5
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	5360.5	110.9	5471.4
	% Fixture	61.5	1.3	62.8
Total	Lumens	8471.1	246.8	8718.0
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	156.8	1.8
10°-20°	462.0	5.3
20°-30°	766.2	8.8
30°-40°	1060.4	12.2
40°-50°	990.2	11.4
50°-60°	1479.6	17.0
60°-70°	1757.5	20.2
70°-80°	1289.9	14.8
80°-90°	508.5	5.8
90°-100°	179.1	2.1
100°-110°	42.4	0.5
110°-120°	16.3	0.2
120°-130°	8.3	0.1
130°-140°	0.7	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°	8471.1	97.2
0°-180°	8718.0	100.0

Coefficient of Utilization



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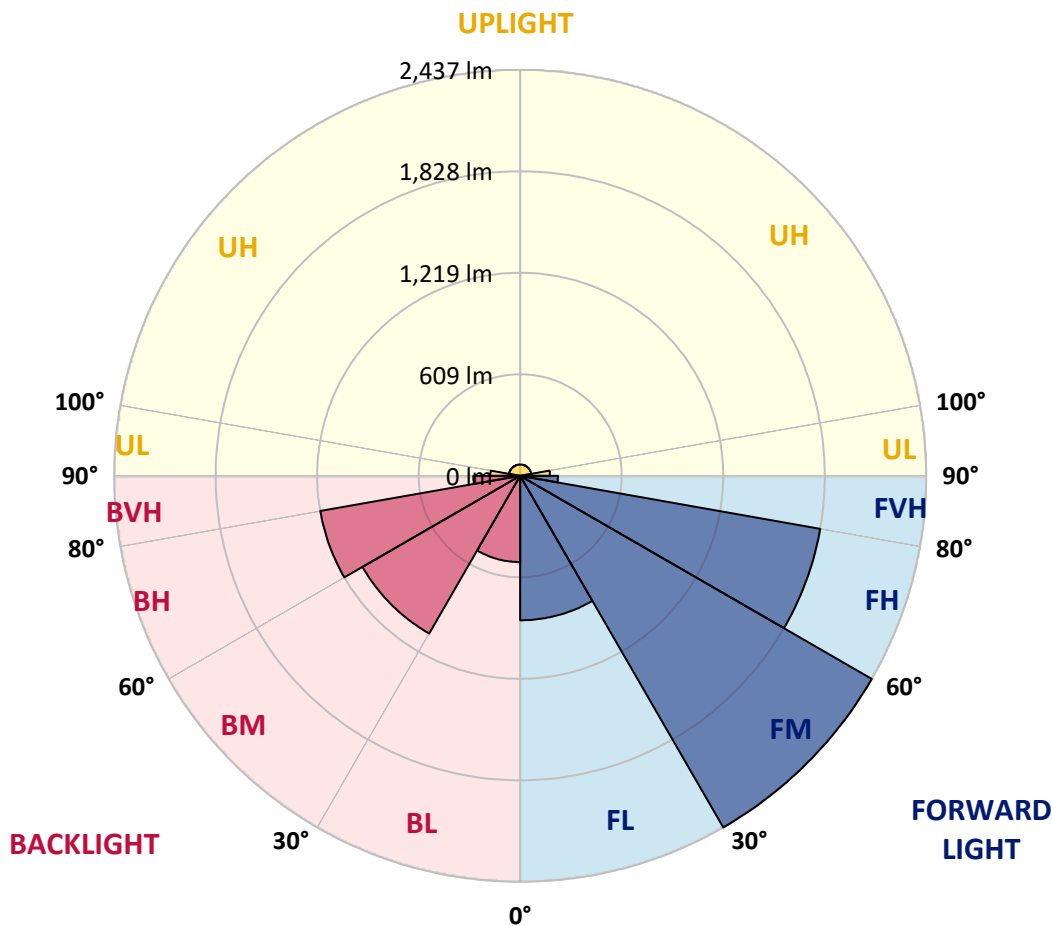
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	867.2	9.9			
FM	(30°-60°)	2437.1	28.0			
FH	(60°-80°)	1828.9	21.0			G2/5000
FVH	(80°-90°)	227.3	2.6			G3/500
BL	(0°-30°)	517.8	5.9	B2/1000		
BM	(30°-60°)	1093.1	12.5	B2/2500		
BH	(60°-80°)	1218.5	14.0	B3/2500		G3/2500
BVH	(80°-90°)	281.2	3.2			G3/500
UL	(90°-100°)	179.1	2.1		U3/500	
UH	(100°-180°)	67.8	0.8		U3/500	

BUG Rating: B3-U3-G3

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4
2.5°	1705.8	1694.1	1697.0	1694.1	1688.2	1682.3	1676.5	1670.6	1661.8	1653.0	1647.1
5°	1805.6	1793.9	1793.9	1793.9	1782.2	1764.5	1741.1	1726.4	1705.8	1682.3	1664.7
7.5°	1873.2	1864.4	1861.4	1858.5	1843.8	1832.1	1805.6	1758.7	1726.4	1697.0	1670.6
10°	1896.7	1896.7	1893.7	1884.9	1870.2	1855.6	1837.9	1793.9	1741.1	1691.1	1655.9
12.5°	1940.7	1946.6	1937.8	1923.1	1917.2	1899.6	1873.2	1837.9	1779.2	1702.9	1661.8
15°	2008.2	2005.3	1993.5	1990.6	1984.7	1964.2	1940.7	1896.7	1829.1	1732.2	1685.3
17.5°	2037.6	2034.7	2034.7	2034.7	2034.7	2020.0	2017.0	1967.1	1896.7	1779.2	1720.5
20°	2043.5	2043.5	2052.3	2072.8	2075.8	2072.8	2087.5	2055.2	1973.0	1837.9	1758.7
22.5°	2081.6	2084.6	2099.2	2119.8	2134.5	2140.3	2152.1	2166.8	2090.4	1931.9	1832.1
25°	2061.1	2075.8	2108.1	2140.3	2175.6	2196.1	2260.7	2310.6	2246.0	2069.9	1934.8
27.5°	2025.8	2037.6	2102.2	2160.9	2240.2	2325.3	2419.3	2483.9	2445.7	2240.2	2099.2
30°	2058.1	2058.1	2099.2	2196.1	2298.9	2454.5	2592.5	2663.0	2645.3	2419.3	2290.1
32.5°	1990.6	2008.2	2096.3	2237.2	2392.8	2595.4	2736.4	2868.5	2886.1	2651.2	2442.8
35°	1791.0	1829.1	1887.9	2072.8	2337.1	2689.4	2906.6	3074.0	3147.4	2915.5	2671.8
37.5°	1479.7	1494.4	1617.7	1802.7	2116.9	2466.2	2842.1	3250.2	3402.8	3115.1	2900.8
40°	1306.5	1315.3	1394.6	1556.1	1820.3	2163.8	2480.9	2900.8	3021.1	2991.8	2789.2
42.5°	1247.8	1262.5	1356.4	1512.0	1735.2	1973.0	2055.2	2237.2	2190.3	2316.5	2381.1
45°	1318.3	1327.1	1394.6	1529.7	1670.6	1773.3	1714.6	1843.8	1908.4	2158.0	2172.6
47.5°	1368.2	1374.1	1447.5	1617.7	1641.2	1644.2	1723.4	1799.8	1978.9	2519.1	2759.8
50°	1174.4	1203.8	1344.7	1491.5	1503.2	1735.2	1961.3	2113.9	2334.1	3317.7	3778.6
52.5°	1089.3	1103.9	1256.6	1512.0	1682.3	1952.4	2113.9	2266.6	2478.0	3664.1	4474.5
55°	1195.0	1218.4	1400.5	1685.3	1855.6	2040.5	2243.1	2431.0	2639.5	3843.2	4785.7
57.5°	1374.1	1418.1	1550.2	1723.4	1902.5	2069.9	2304.8	2522.0	2765.7	3855.0	4791.6
60°	1729.3	1697.0	1623.6	1699.9	1873.2	2064.0	2334.1	2566.1	2836.2	3852.0	4656.5
62.5°	1973.0	1926.0	1682.3	1647.1	1808.6	2002.4	2269.5	2560.2	2821.5	3722.9	4503.8
65°	1926.0	1893.7	1705.8	1576.6	1694.1	1902.5	2181.5	2525.0	2751.0	3584.9	4227.8
67.5°	1661.8	1623.6	1544.3	1494.4	1553.1	1796.8	2099.2	2454.5	2668.8	3426.3	3925.4
70°	1356.4	1335.9	1309.5	1362.3	1435.7	1664.7	1949.5	2301.8	2513.2	3123.9	3602.5
72.5°	1150.9	1139.2	1106.9	1162.7	1286.0	1491.5	1729.3	2081.6	2319.4	2715.8	3203.2
75°	968.9	971.8	954.2	989.4	1068.7	1271.3	1459.2	1802.7	2066.9	2331.2	2771.6
77.5°	795.7	786.8	804.5	825.0	877.9	1024.7	1150.9	1450.4	1764.5	1849.7	2125.7
80°	581.3	596.0	628.3	625.4	669.4	734.0	819.1	977.7	1239.0	1324.1	1429.8
82.5°	411.0	428.7	458.0	425.7	431.6	449.2	487.4	560.8	698.8	783.9	872.0
85°	290.7	299.5	305.3	281.9	281.9	293.6	320.0	372.9	458.0	510.9	557.8
87.5°	211.4	214.3	226.1	214.3	217.3	223.1	246.6	281.9	352.3	390.5	428.7
90°	161.5	161.5	167.4	164.4	170.3	182.0	205.5	234.9	287.7	334.7	369.9
92.5°	117.4	117.4	123.3	126.2	129.2	143.9	164.4	187.9	223.1	281.9	317.1
95°	91.0	91.0	96.9	96.9	99.8	111.6	129.2	152.7	179.1	220.2	252.5
97.5°	67.5	67.5	73.4	73.4	76.3	85.1	99.8	114.5	138.0	164.4	179.1
100°	52.8	52.8	55.8	55.8	58.7	67.5	76.3	85.1	91.0	105.7	111.6
102.5°	44.0	44.0	44.0	44.0	44.0	49.9	52.8	52.8	55.8	64.6	67.5
105°	35.2	35.2	35.2	32.3	32.3	35.2	35.2	35.2	38.2	38.2	41.1
107.5°	26.4	26.4	26.4	26.4	26.4	29.4	29.4	29.4	29.4	32.3	32.3
110°	23.5	23.5	23.5	23.5	23.5	23.5	26.4	26.4	26.4	26.4	26.4

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	20.6	20.6	20.6	20.6	20.6	20.6	23.5	23.5	23.5	23.5	23.5
115°	17.6	17.6	17.6	17.6	17.6	20.6	23.5	20.6	20.6	20.6	20.6
117.5°	14.7	14.7	14.7	17.6	17.6	17.6	20.6	17.6	17.6	17.6	20.6
120°	11.7	11.7	14.7	14.7	14.7	14.7	14.7	14.7	17.6	17.6	17.6
122.5°	11.7	11.7	11.7	11.7	11.7	14.7	14.7	14.7	14.7	14.7	17.6
125°	8.8	8.8	8.8	11.7	11.7	11.7	11.7	11.7	11.7	14.7	14.7
127.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	11.7	11.7	11.7
130°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8	8.8
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4	1635.4
2.5°	1641.2	1641.2	1623.6	1606.0	1588.4	1570.8	1556.1	1547.3	1535.5	1538.5	1538.5
5°	1655.9	1647.1	1608.9	1585.4	1559.0	1535.5	1512.0	1491.5	1485.6	1482.7	1470.9
7.5°	1658.8	1644.2	1603.1	1567.8	1517.9	1462.1	1435.7	1412.2	1397.5	1409.3	1403.4
10°	1638.3	1620.7	1573.7	1520.9	1450.4	1403.4	1362.3	1338.8	1327.1	1330.0	1327.1
12.5°	1644.2	1623.6	1547.3	1468.0	1409.3	1330.0	1280.1	1259.5	1244.9	1244.9	1236.1
15°	1667.7	1632.4	1523.8	1441.6	1344.7	1277.2	1218.4	1203.8	1197.9	1192.0	1183.2
17.5°	1691.1	1641.2	1520.9	1394.6	1286.0	1212.6	1153.9	1127.4	1112.7	1112.7	1109.8
20°	1720.5	1658.8	1503.2	1344.7	1230.2	1133.3	1062.8	1039.3	1027.6	1024.7	1018.8
22.5°	1770.4	1705.8	1494.4	1324.1	1156.8	1057.0	989.4	945.4	921.9	919.0	919.0
25°	1870.2	1791.0	1512.0	1268.4	1106.9	977.7	895.5	851.4	825.0	825.0	822.1
27.5°	2028.8	1902.5	1538.5	1247.8	1012.9	892.5	807.4	739.9	716.4	716.4	719.3
30°	2184.4	2072.8	1606.0	1203.8	960.1	781.0	678.2	628.3	598.9	587.2	590.1
32.5°	2369.4	2251.9	1699.9	1174.4	854.4	648.9	554.9	528.5	484.4	472.7	463.9
35°	2595.4	2425.1	1805.6	1133.3	772.2	552.0	475.6	422.8	402.2	387.6	384.6
37.5°	2748.1	2598.4	1899.6	1142.1	657.7	499.1	414.0	358.2	337.6	340.6	340.6
40°	2683.5	2510.3	1923.1	1083.4	560.8	434.5	346.4	314.2	302.4	305.3	308.3
42.5°	2243.1	2152.1	1591.3	968.9	463.9	349.4	290.7	290.7	299.5	290.7	290.7
45°	2096.3	1867.3	1156.8	681.2	349.4	287.7	276.0	284.8	305.3	305.3	305.3
47.5°	2654.1	2395.8	1036.4	569.6	390.5	323.0	299.5	284.8	287.7	284.8	284.8
50°	3722.9	3317.7	1391.7	710.5	472.7	384.6	340.6	311.2	311.2	305.3	299.5
52.5°	4433.4	4007.6	1694.1	889.6	593.1	449.2	390.5	337.6	320.0	308.3	305.3
55°	4873.8	4550.8	1955.4	1139.2	772.2	534.4	434.5	378.7	352.3	328.8	325.9
57.5°	4964.8	4589.0	2128.6	1368.2	995.3	701.7	499.1	419.8	402.2	364.1	358.2
60°	4741.6	4492.1	2196.1	1517.9	1189.1	924.8	651.8	487.4	449.2	422.8	416.9
62.5°	4586.0	4298.3	2172.6	1567.8	1309.5	1109.8	857.3	598.9	490.3	493.2	519.7
65°	4324.7	4131.0	1999.4	1494.4	1303.6	1171.5	963.0	692.9	505.0	499.1	531.4
67.5°	4025.3	3872.6	1826.2	1332.9	1200.8	1086.3	895.5	660.6	478.6	449.2	452.1
70°	3640.6	3511.5	1650.0	1241.9	1106.9	963.0	778.0	572.5	472.7	425.7	425.7
72.5°	3197.3	3044.6	1503.2	1174.4	1057.0	924.8	745.7	552.0	507.9	490.3	505.0
75°	2727.5	2533.8	1388.7	1109.8	1021.7	924.8	742.8	552.0	507.9	493.2	493.2
77.5°	2199.1	2084.6	1265.4	1007.0	951.3	880.8	684.1	513.8	499.1	493.2	493.2
80°	1520.9	1503.2	1030.5	874.9	860.2	833.8	643.0	496.2	496.2	487.4	475.6
82.5°	933.6	889.6	736.9	654.7	704.6	742.8	584.3	466.8	455.1	446.3	440.4
85°	604.8	607.8	516.7	458.0	487.4	566.6	493.2	422.8	405.2	411.0	411.0
87.5°	463.9	478.6	405.2	372.9	367.0	384.6	387.6	378.7	367.0	358.2	361.1
90°	399.3	405.2	325.9	299.5	296.5	302.4	302.4	320.0	320.0	290.7	273.0
92.5°	334.7	343.5	270.1	243.7	243.7	252.5	258.4	258.4	234.9	190.8	170.3
95°	264.2	270.1	214.3	193.8	196.7	196.7	193.8	185.0	143.9	85.1	76.3
97.5°	185.0	187.9	158.5	146.8	149.7	143.9	126.2	114.5	88.1	49.9	47.0
100°	117.4	120.4	99.8	96.9	105.7	94.0	82.2	76.3	52.8	32.3	38.2
102.5°	70.5	70.5	61.7	58.7	64.6	55.8	49.9	41.1	32.3	20.6	26.4
105°	41.1	41.1	38.2	38.2	38.2	35.2	32.3	26.4	17.6	14.7	14.7
107.5°	32.3	32.3	29.4	29.4	26.4	26.4	23.5	17.6	11.7	8.8	8.8
110°	26.4	26.4	23.5	23.5	23.5	20.6	17.6	14.7	8.8	5.9	5.9

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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	23.5	23.5	20.6	20.6	17.6	17.6	14.7	11.7	8.8	5.9	5.9
115°	20.6	20.6	17.6	14.7	14.7	14.7	11.7	8.8	5.9	2.9	5.9
117.5°	20.6	20.6	14.7	11.7	11.7	11.7	8.8	8.8	5.9	2.9	2.9
120°	17.6	17.6	11.7	11.7	8.8	8.8	8.8	5.9	2.9	2.9	2.9
122.5°	14.7	14.7	11.7	8.8	8.8	8.8	5.9	5.9	2.9	2.9	2.9
125°	14.7	14.7	8.8	8.8	8.8	5.9	5.9	5.9	2.9	0.0	0.0
127.5°	11.7	11.7	8.8	8.8	5.9	5.9	5.9	2.9	2.9	0.0	0.0
130°	8.8	8.8	8.8	8.8	5.9	5.9	5.9	2.9	2.9	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)