

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: P691696

Luminaire Tested: **CRTK2-C018-D-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691696
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-C018-D-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6384 lumens
Efficiency: N/A
Efficacy: 126.7 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): 50.4
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



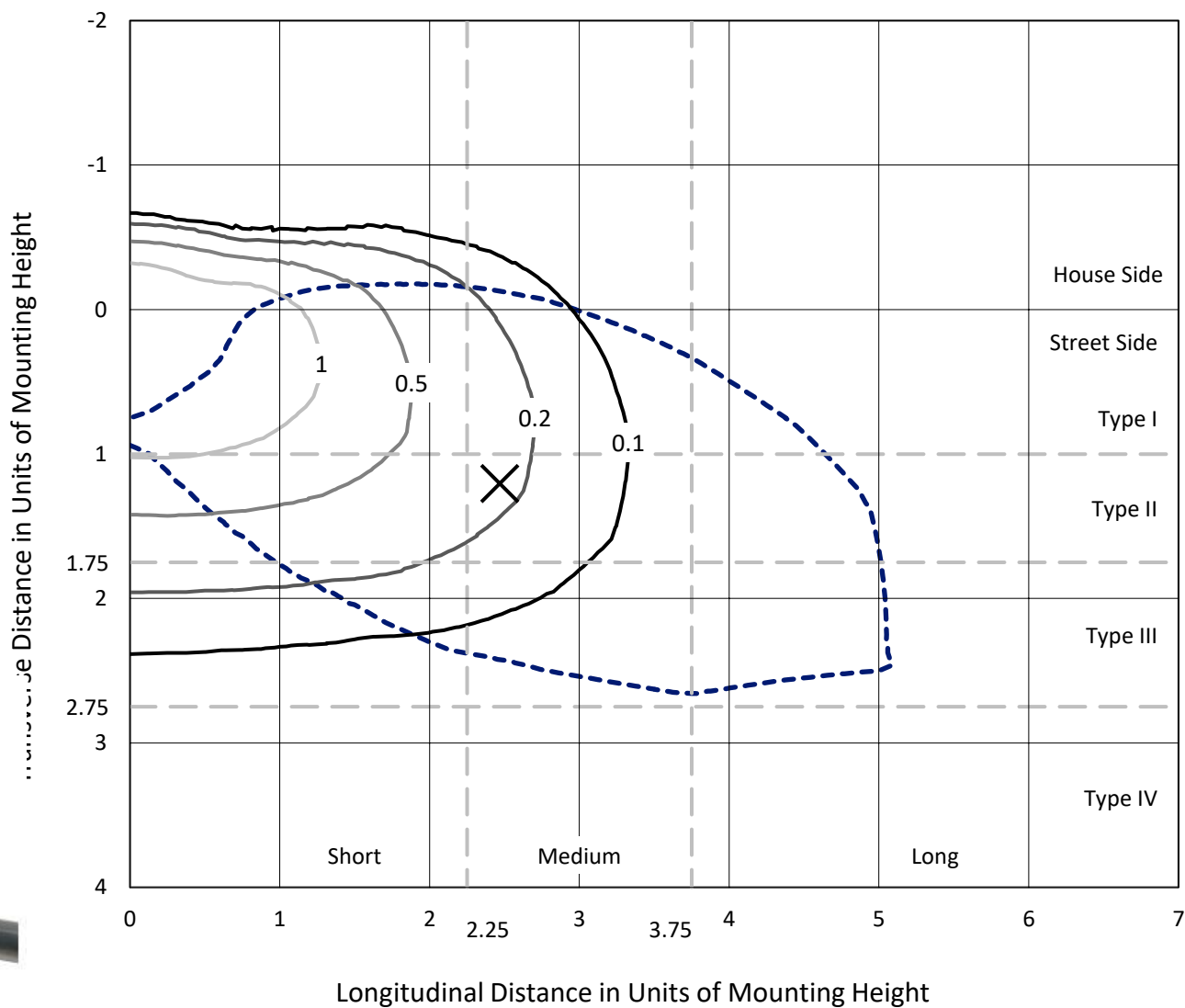
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CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

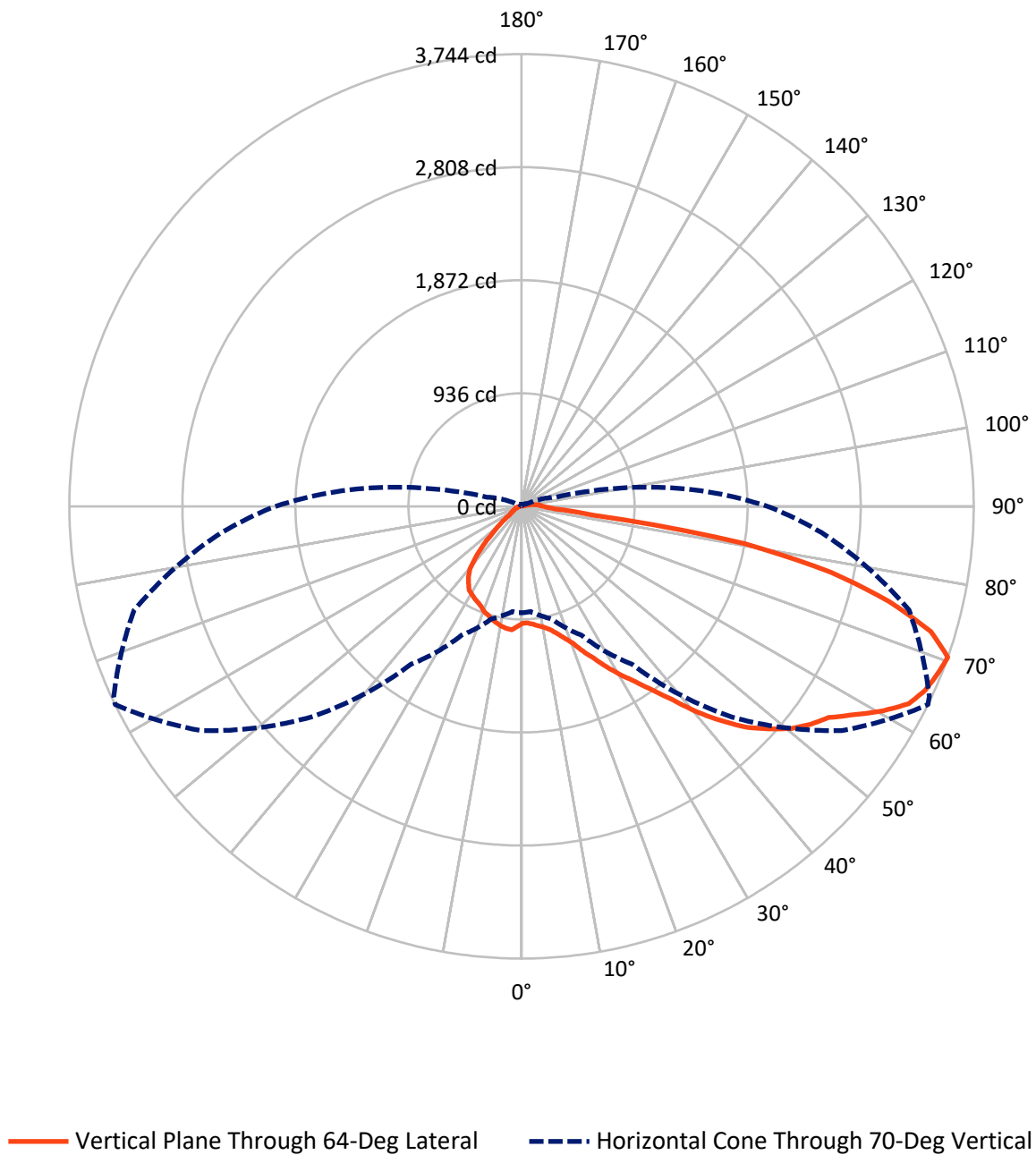


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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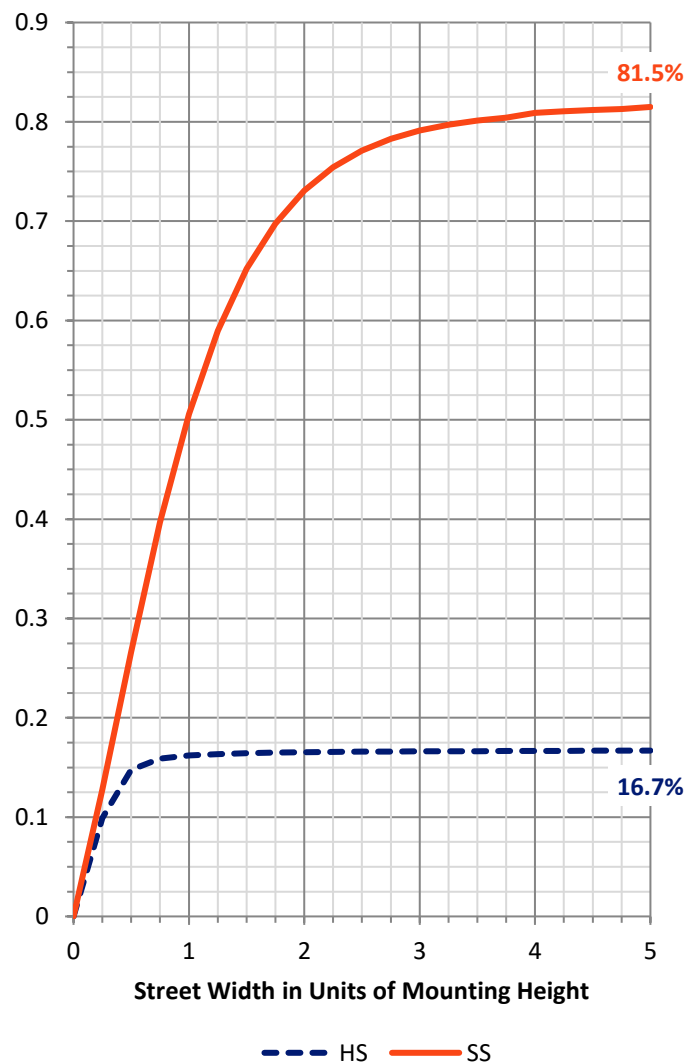
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1082.7	13.2	1095.9
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5234.3	53.8	5288.1
	% Fixture	82.0	0.8	82.8
Total	Lumens	6317.0	67.0	6384.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.0	1.5
10°-20°	294.2	4.6
20°-30°	508.6	8.0
30°-40°	754.7	11.8
40°-50°	1036.7	16.2
50°-60°	1259.0	19.7
60°-70°	1337.6	21.0
70°-80°	883.7	13.8
80°-90°	146.3	2.3
90°-100°	54.5	0.9
100°-110°	9.2	0.1
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	6317.0	99.0
0°-180°	6384.0	100.0

Coefficient of Utilization



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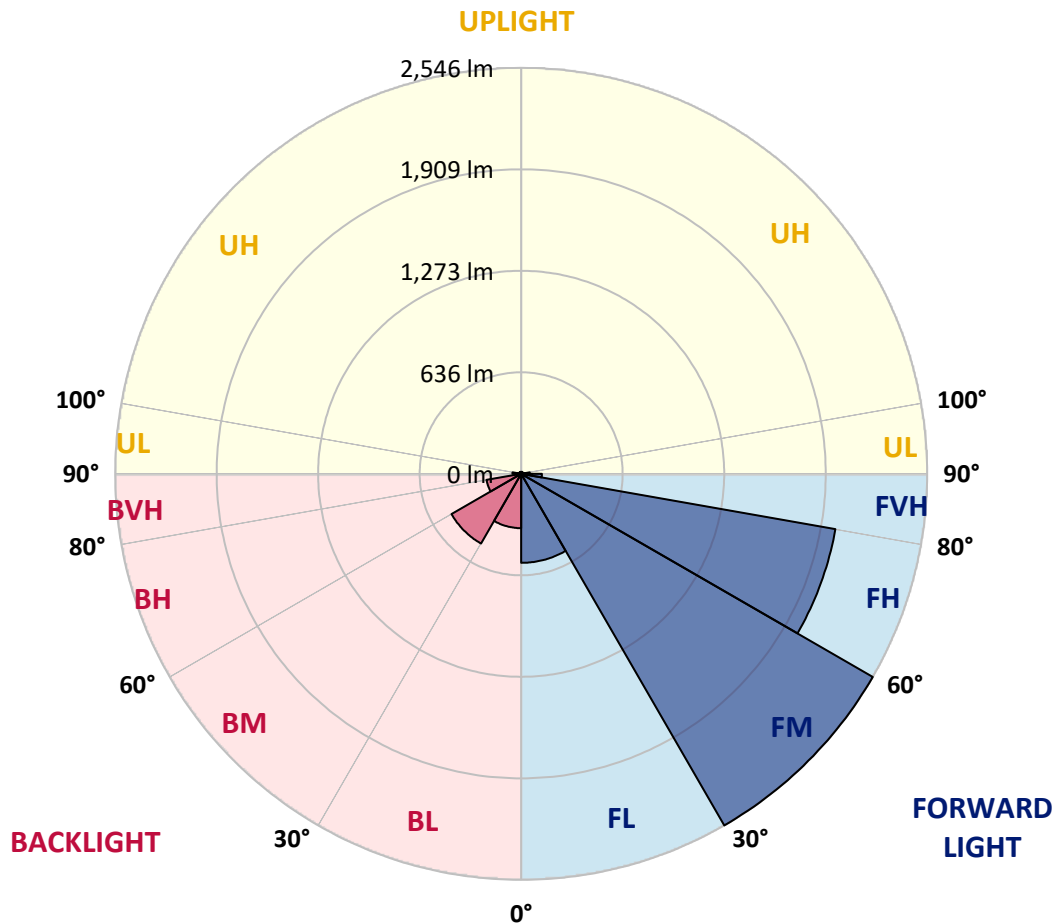
CATALOG NUMBER: CRTK2-C018-D-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	558.0	8.7			
FM	(30°-60°)	2545.8	39.9			
FH	(60°-80°)	2000.6	31.3			G2/5000
FVH	(80°-90°)	129.9	2.0			G2/225
BL	(0°-30°)	340.8	5.3	B1/500		
BM	(30°-60°)	504.7	7.9	B1/1000		
BH	(60°-80°)	220.8	3.5	B1/500		G1/500
BVH	(80°-90°)	16.4	0.3			G1/100
UL	(90°-100°)	54.5	0.9		U3/500	
UH	(100°-180°)	12.5	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°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	975.3	973.0	975.3	973.0	970.7	968.4	966.1	966.1	963.9	966.1	968.4
5°	1018.7	1021.0	1016.4	1007.2	995.8	986.7	982.1	979.8	979.8	982.1	991.3
7.5°	1050.6	1048.4	1046.1	1043.8	1034.7	1014.1	1002.7	998.1	998.1	993.5	1009.5
10°	1107.7	1103.2	1091.8	1078.1	1068.9	1046.1	1025.5	1018.7	1016.4	1018.7	1032.4
12.5°	1169.4	1164.8	1162.6	1148.9	1116.9	1096.3	1062.1	1046.1	1046.1	1046.1	1052.9
15°	1258.5	1251.6	1228.8	1212.8	1185.4	1151.1	1112.3	1089.5	1089.5	1094.0	1075.8
17.5°	1322.4	1317.9	1315.6	1288.2	1265.3	1212.8	1183.1	1144.3	1144.3	1153.4	1114.6
20°	1388.7	1384.1	1386.4	1381.8	1347.6	1306.5	1253.9	1208.2	1208.2	1210.5	1155.7
22.5°	1477.8	1470.9	1470.9	1468.6	1450.3	1402.4	1340.7	1301.9	1295.0	1276.8	1208.2
25°	1566.8	1564.5	1560.0	1562.3	1557.7	1502.9	1436.6	1393.2	1393.2	1368.1	1279.0
27.5°	1655.9	1655.9	1653.6	1655.9	1653.6	1619.4	1553.1	1507.4	1509.7	1477.8	1356.7
30°	1719.9	1717.6	1733.6	1740.4	1745.0	1731.3	1667.3	1617.1	1621.6	1589.7	1448.1
32.5°	1779.2	1777.0	1804.4	1820.4	1824.9	1822.6	1770.1	1729.0	1740.4	1710.7	1557.7
35°	1834.1	1831.8	1868.3	1909.4	1927.7	1923.1	1888.9	1866.0	1877.5	1875.2	1706.2
37.5°	1875.2	1882.0	1930.0	1987.1	2019.1	2021.3	2005.4	2030.5	2044.2	2089.9	1891.2
40°	1923.1	1923.1	1968.8	2030.5	2087.6	2110.4	2124.1	2238.3	2252.0	2261.2	2014.5
42.5°	1872.9	1886.6	1984.8	2076.2	2149.3	2201.8	2277.2	2425.6	2455.3	2386.8	2165.2
45°	1834.1	1845.5	1946.0	2099.0	2204.1	2302.3	2443.9	2608.3	2631.2	2512.4	2245.2
47.5°	1792.9	1811.2	1914.0	2083.0	2256.6	2425.6	2583.2	2752.2	2772.8	2619.8	2357.1
50°	1745.0	1765.5	1875.2	2060.2	2284.0	2542.1	2708.8	2891.6	2893.8	2713.4	2418.8
52.5°	1699.3	1713.0	1827.2	2030.5	2306.8	2631.2	2827.6	2996.6	2982.9	2832.2	2485.0
55°	1621.6	1649.1	1770.1	1989.4	2318.3	2681.4	2909.8	3085.7	3094.8	2960.1	2574.1
57.5°	1550.8	1569.1	1697.0	1930.0	2309.1	2711.1	2989.8	3252.4	3270.7	3074.3	2638.0
60°	1461.8	1473.2	1596.5	1847.8	2249.7	2761.4	3167.9	3437.4	3458.0	3183.9	2663.2
62.5°	1349.8	1349.8	1473.2	1738.1	2174.4	2797.9	3291.3	3597.3	3597.3	3270.7	2672.3
65°	1206.0	1212.8	1322.4	1589.7	2048.8	2777.4	3327.8	3672.7	3679.5	3332.4	2667.7
67.5°	1066.6	1064.3	1160.3	1395.5	1859.2	2670.0	3300.4	3711.5	3738.9	3368.9	2608.3
70°	881.6	874.8	963.9	1176.3	1594.2	2466.7	3236.4	3743.5	3725.2	3320.9	2491.9
72.5°	678.4	671.5	737.7	899.9	1256.2	2117.3	3049.2	3542.5	3510.5	3060.6	2252.0
75°	481.9	472.8	525.3	632.7	826.8	1548.6	2615.2	3142.8	3106.3	2752.2	1879.7
77.5°	274.1	264.9	312.9	399.7	500.2	877.1	1980.2	2619.8	2670.0	2270.3	1436.6
80°	121.1	116.5	137.0	191.9	280.9	418.0	1078.1	1872.9	1804.4	1548.6	817.7
82.5°	102.8	102.8	105.1	109.6	114.2	191.9	404.3	589.3	564.2	454.5	260.4
85°	89.1	86.8	91.4	95.9	98.2	125.6	235.3	283.2	278.6	251.2	180.4
87.5°	73.1	68.5	75.4	79.9	79.9	102.8	175.9	207.8	207.8	210.1	159.9
90°	64.0	64.0	59.4	59.4	61.7	73.1	134.8	171.3	175.9	217.0	185.0
92.5°	54.8	54.8	54.8	54.8	45.7	52.5	95.9	153.0	164.4	212.4	166.7
95°	52.5	50.2	52.5	48.0	45.7	48.0	73.1	134.8	148.5	187.3	146.2
97.5°	36.5	34.3	38.8	38.8	41.1	43.4	61.7	100.5	105.1	139.3	109.6
100°	25.1	22.8	22.8	22.8	29.7	29.7	50.2	61.7	64.0	89.1	73.1
102.5°	13.7	11.4	11.4	11.4	16.0	18.3	25.1	34.3	34.3	48.0	41.1
105°	4.6	4.6	6.9	6.9	6.9	9.1	9.1	11.4	11.4	13.7	18.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3

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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	2.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4	968.4
2.5°	970.7	975.3	986.7	993.5	1002.7	1011.8	1018.7	1018.7	1025.5	1021.0	1018.7
5°	1000.4	1002.7	1016.4	1025.5	1023.2	1014.1	1007.2	1002.7	1005.0	1009.5	1009.5
7.5°	1021.0	1030.1	1018.7	1018.7	1016.4	1005.0	991.3	977.6	970.7	968.4	968.4
10°	1032.4	1023.2	1018.7	1007.2	982.1	975.3	963.9	938.7	931.9	931.9	922.7
12.5°	1039.2	1034.7	1009.5	989.0	966.1	929.6	904.5	899.9	879.3	877.1	879.3
15°	1066.6	1043.8	1011.8	973.0	929.6	897.6	863.4	826.8	810.8	813.1	815.4
17.5°	1084.9	1064.3	1007.2	945.6	906.8	847.4	808.5	788.0	762.9	762.9	762.9
20°	1114.6	1080.3	1000.4	934.2	842.8	799.4	753.7	730.9	705.8	662.4	657.8
22.5°	1153.4	1110.0	998.1	899.9	817.7	746.9	680.6	609.8	573.3	548.2	541.3
25°	1201.4	1151.1	1014.1	883.9	769.7	682.9	598.4	502.5	434.0	420.3	420.3
27.5°	1283.6	1203.7	1034.7	867.9	742.3	612.1	479.6	395.1	335.7	317.5	315.2
30°	1363.6	1269.9	1041.5	851.9	689.8	516.2	370.0	280.9	228.4	205.6	201.0
32.5°	1489.2	1361.3	1100.9	838.2	630.4	415.7	262.7	178.2	134.8	121.1	118.8
35°	1617.1	1484.6	1121.4	801.7	523.0	303.8	150.7	95.9	73.1	61.7	59.4
37.5°	1781.5	1639.9	1183.1	762.9	415.7	173.6	84.5	52.5	45.7	45.7	45.7
40°	1877.5	1708.4	1237.9	712.6	285.5	89.1	50.2	41.1	41.1	38.8	38.8
42.5°	2000.8	1792.9	1285.9	614.4	150.7	54.8	43.4	38.8	34.3	34.3	34.3
45°	2071.6	1847.8	1269.9	493.3	70.8	50.2	41.1	34.3	32.0	32.0	32.0
47.5°	2158.4	1916.3	1235.6	365.4	61.7	45.7	38.8	32.0	29.7	32.0	32.0
50°	2245.2	1984.8	1148.9	280.9	57.1	43.4	34.3	27.4	27.4	29.7	29.7
52.5°	2288.6	2032.8	1046.1	194.1	57.1	41.1	32.0	27.4	25.1	25.1	25.1
55°	2338.8	2044.2	959.3	127.9	54.8	38.8	29.7	22.8	22.8	20.6	20.6
57.5°	2366.2	2014.5	895.3	107.3	52.5	36.5	27.4	20.6	18.3	16.0	16.0
60°	2354.8	1971.1	840.5	93.6	48.0	34.3	25.1	18.3	13.7	11.4	11.4
62.5°	2332.0	1934.6	740.0	82.2	45.7	29.7	20.6	16.0	11.4	9.1	9.1
65°	2306.8	1836.3	623.5	70.8	41.1	27.4	18.3	13.7	9.1	6.9	6.9
67.5°	2190.4	1706.2	456.8	64.0	38.8	25.1	16.0	11.4	9.1	6.9	6.9
70°	2037.3	1489.2	294.6	54.8	34.3	22.8	16.0	9.1	6.9	4.6	4.6
72.5°	1733.6	1215.1	148.5	48.0	32.0	22.8	13.7	9.1	6.9	4.6	2.3
75°	1416.1	906.8	95.9	41.1	29.7	22.8	13.7	9.1	4.6	2.3	2.3
77.5°	1014.1	491.1	73.1	36.5	25.1	22.8	11.4	6.9	4.6	4.6	2.3
80°	422.5	178.2	59.4	29.7	22.8	20.6	11.4	6.9	4.6	4.6	2.3
82.5°	178.2	123.3	52.5	25.1	20.6	20.6	9.1	6.9	4.6	4.6	4.6
85°	139.3	102.8	45.7	22.8	18.3	22.8	9.1	6.9	6.9	6.9	6.9
87.5°	130.2	105.1	41.1	20.6	18.3	16.0	9.1	6.9	11.4	11.4	13.7
90°	146.2	109.6	32.0	18.3	16.0	13.7	6.9	4.6	4.6	0.0	0.0
92.5°	134.8	100.5	22.8	13.7	20.6	9.1	4.6	0.0	0.0	0.0	0.0
95°	116.5	84.5	13.7	9.1	22.8	11.4	2.3	0.0	0.0	0.0	0.0
97.5°	86.8	61.7	9.1	4.6	18.3	13.7	2.3	0.0	0.0	0.0	0.0
100°	61.7	38.8	6.9	4.6	11.4	13.7	2.3	0.0	0.0	0.0	0.0
102.5°	34.3	20.6	4.6	2.3	4.6	4.6	0.0	0.0	0.0	0.0	0.0
105°	16.0	6.9	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	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°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	2.3	2.3	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)