

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: P690976

Luminaire Tested: **CRTK2-C01-D-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690976
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-C01-D-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7076 lumens
Efficiency: N/A
Efficacy: 116.0 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): 61
Input Voltage (V): NR
Input Current (A_{in}): 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

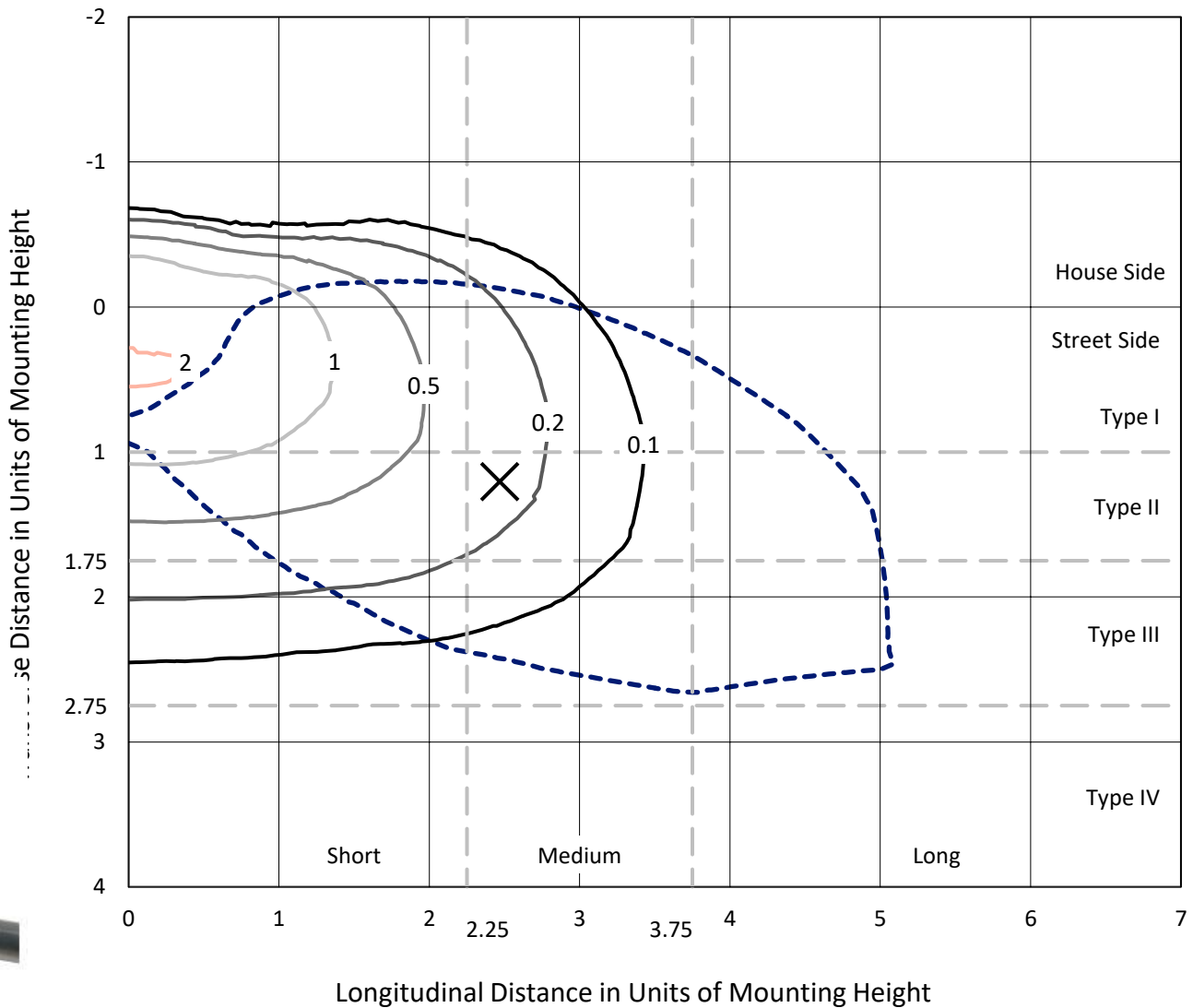


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

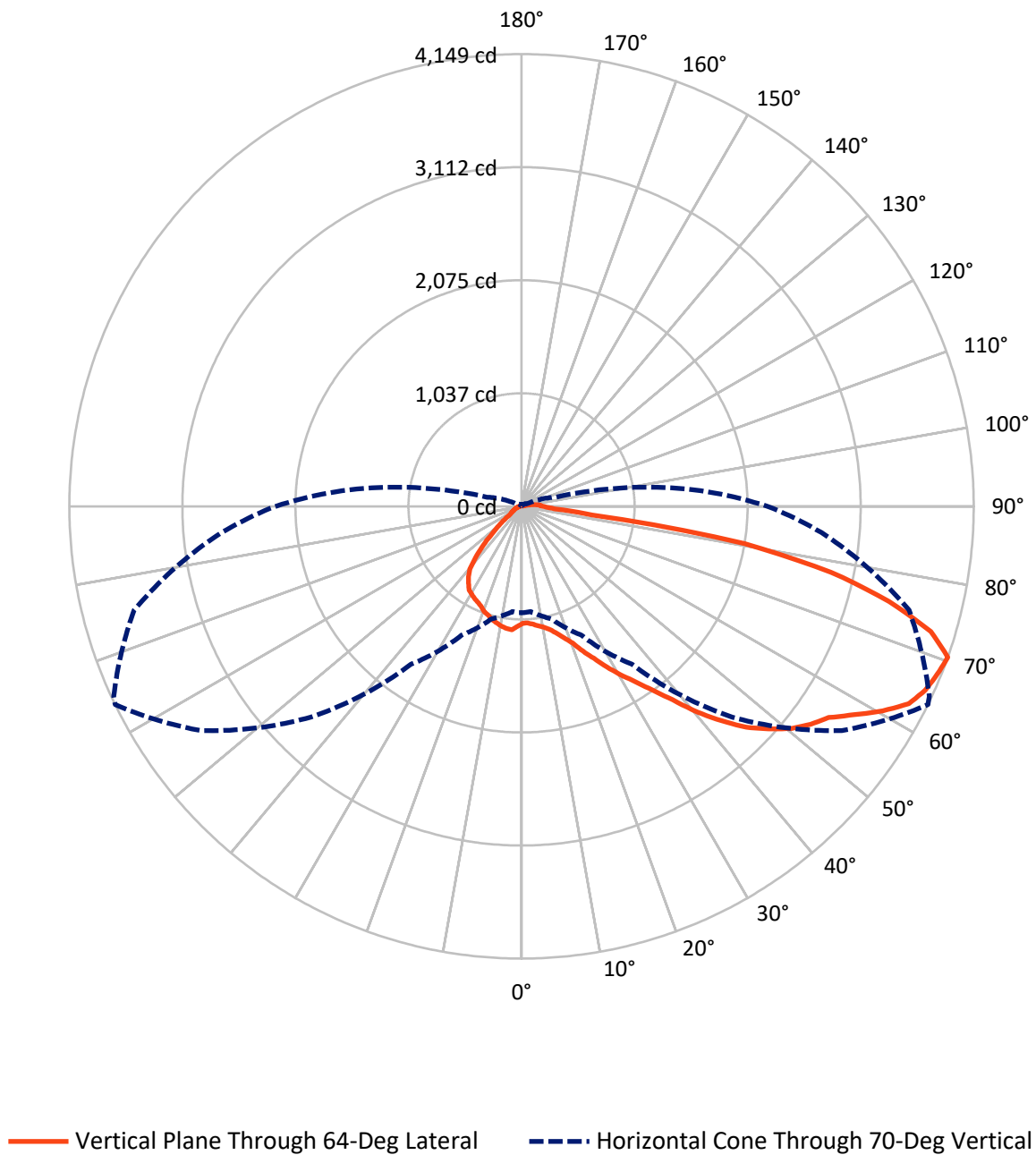


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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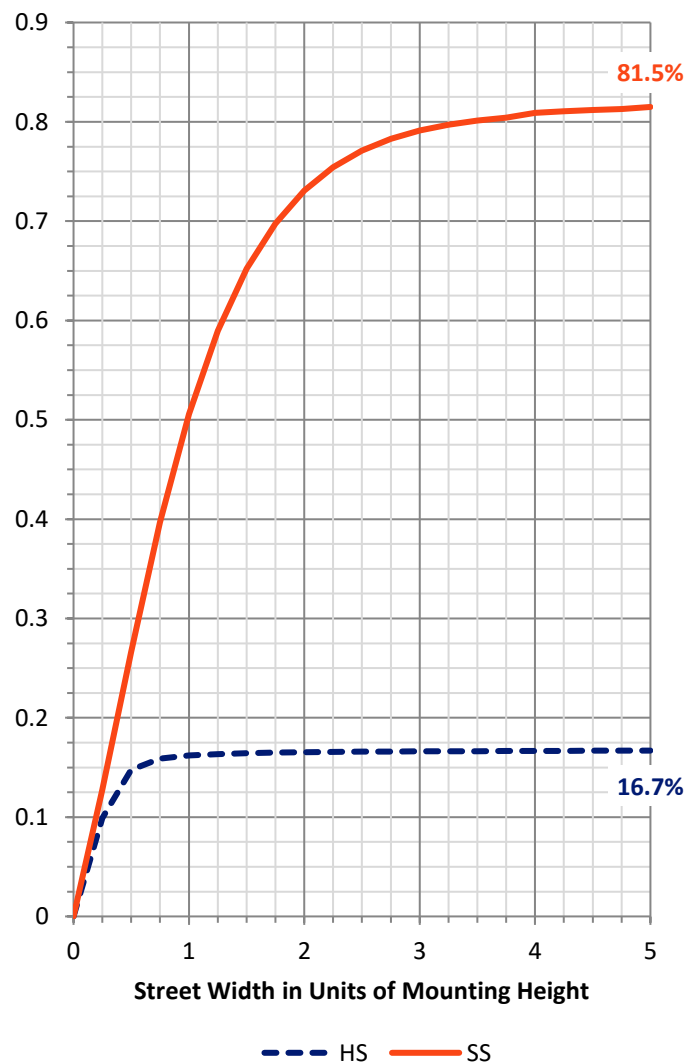
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1200.1	14.6	1214.6
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	5801.7	59.7	5861.3
	% Fixture	82.0	0.8	82.8
Total	Lumens	7001.7	74.2	7076.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.4	1.5
10°-20°	326.1	4.6
20°-30°	563.8	8.0
30°-40°	836.6	11.8
40°-50°	1149.1	16.2
50°-60°	1395.5	19.7
60°-70°	1482.6	21.0
70°-80°	979.5	13.8
80°-90°	162.2	2.3
90°-100°	60.5	0.9
100°-110°	10.2	0.1
110°-120°	0.8	0.0
120°-130°	0.8	0.0
130°-140°	0.8	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7001.7	99.0
0°-180°	7076.0	100.0

Coefficient of Utilization



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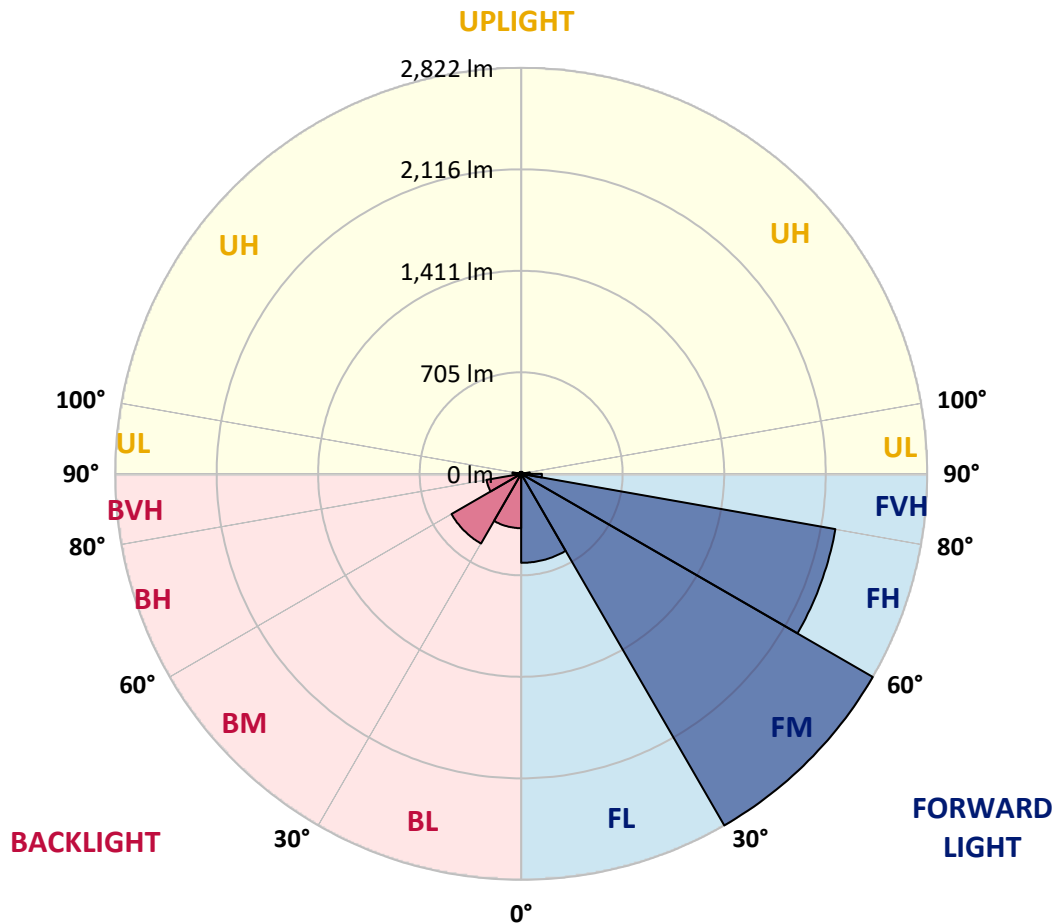
CATALOG NUMBER: CRTK2-C01-D-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	618.5	8.7			
FM	(30°-60°)	2821.8	39.9			
FH	(60°-80°)	2217.4	31.3			G2/5000
FVH	(80°-90°)	144.0	2.0			G2/225
BL	(0°-30°)	377.7	5.3	B1/500		
BM	(30°-60°)	559.4	7.9	B1/1000		
BH	(60°-80°)	244.7	3.5	B1/500		G1/500
BVH	(80°-90°)	18.2	0.3			G1/100
UL	(90°-100°)	60.5	0.9		U3/500	
UH	(100°-180°)	13.8	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°	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4
2.5°	1081.0	1078.5	1081.0	1078.5	1075.9	1073.4	1070.9	1070.9	1068.3	1070.9	1073.4
5°	1129.1	1131.6	1126.6	1116.4	1103.8	1093.6	1088.6	1086.1	1086.1	1088.6	1098.7
7.5°	1164.5	1162.0	1159.5	1156.9	1146.8	1124.0	1111.4	1106.3	1106.3	1101.2	1119.0
10°	1227.8	1222.8	1210.1	1194.9	1184.8	1159.5	1136.7	1129.1	1126.6	1129.1	1144.3
12.5°	1296.2	1291.1	1288.6	1273.4	1237.9	1215.2	1177.2	1159.5	1159.5	1159.5	1167.1
15°	1394.9	1387.3	1362.0	1344.3	1313.9	1275.9	1232.9	1207.6	1207.6	1212.6	1192.4
17.5°	1465.8	1460.7	1458.2	1427.8	1402.5	1344.3	1311.4	1268.3	1268.3	1278.5	1235.4
20°	1539.2	1534.1	1536.7	1531.6	1493.6	1448.1	1389.8	1339.2	1339.2	1341.7	1281.0
22.5°	1637.9	1630.3	1630.3	1627.8	1607.6	1554.4	1486.0	1443.0	1435.4	1415.2	1339.2
25°	1736.7	1734.1	1729.1	1731.6	1726.5	1665.8	1592.4	1544.3	1544.3	1516.4	1417.7
27.5°	1835.4	1835.4	1832.9	1835.4	1832.9	1794.9	1721.5	1670.8	1673.4	1637.9	1503.8
30°	1906.3	1903.8	1921.5	1929.1	1934.1	1918.9	1848.1	1792.4	1797.4	1762.0	1605.0
32.5°	1972.1	1969.6	2000.0	2017.7	2022.7	2020.2	1962.0	1916.4	1929.1	1896.2	1726.5
35°	2032.9	2030.3	2070.8	2116.4	2136.7	2131.6	2093.6	2068.3	2081.0	2078.4	1891.1
37.5°	2078.4	2086.0	2139.2	2202.5	2237.9	2240.5	2222.7	2250.6	2265.8	2316.4	2096.2
40°	2131.6	2131.6	2182.2	2250.6	2313.9	2339.2	2354.4	2481.0	2496.1	2506.3	2232.9
42.5°	2075.9	2091.1	2199.9	2301.2	2382.2	2440.4	2524.0	2688.5	2721.5	2645.5	2399.9
45°	2032.9	2045.5	2156.9	2326.5	2443.0	2551.8	2708.8	2891.1	2916.4	2784.7	2488.5
47.5°	1987.3	2007.5	2121.5	2308.8	2501.2	2688.5	2863.2	3050.6	3073.3	2903.7	2612.6
50°	1934.1	1956.9	2078.4	2283.5	2531.6	2817.7	3002.5	3205.0	3207.5	3007.5	2680.9
52.5°	1883.5	1898.7	2025.3	2250.6	2556.9	2916.4	3134.1	3321.4	3306.3	3139.2	2754.4
55°	1797.4	1827.8	1962.0	2205.0	2569.6	2972.1	3225.2	3420.2	3430.3	3280.9	2853.1
57.5°	1718.9	1739.2	1881.0	2139.2	2559.4	3005.0	3313.8	3605.0	3625.2	3407.5	2924.0
60°	1620.2	1632.9	1769.6	2048.1	2493.6	3060.7	3511.3	3810.0	3832.8	3529.0	2951.8
62.5°	1496.2	1496.2	1632.9	1926.5	2410.1	3101.2	3648.0	3987.2	3987.2	3625.2	2962.0
65°	1336.7	1344.3	1465.8	1762.0	2270.8	3078.4	3688.5	4070.8	4078.4	3693.6	2956.9
67.5°	1182.3	1179.7	1286.0	1546.8	2060.7	2959.4	3658.1	4113.8	4144.2	3734.1	2891.1
70°	977.2	969.6	1068.3	1303.8	1767.0	2734.1	3587.3	4149.3	4129.0	3680.9	2762.0
72.5°	751.9	744.3	817.7	997.4	1392.4	2346.8	3379.7	3926.5	3891.0	3392.3	2496.1
75°	534.2	524.0	582.3	701.2	916.4	1716.4	2898.7	3483.5	3443.0	3050.6	2083.5
77.5°	303.8	293.7	346.8	443.0	554.4	972.1	2194.9	2903.7	2959.4	2516.4	1592.4
80°	134.2	129.1	151.9	212.7	311.4	463.3	1194.9	2075.9	2000.0	1716.4	906.3
82.5°	113.9	113.9	116.5	121.5	126.6	212.7	448.1	653.1	625.3	503.8	288.6
85°	98.7	96.2	101.3	106.3	108.9	139.2	260.8	313.9	308.9	278.5	200.0
87.5°	81.0	75.9	83.5	88.6	88.6	113.9	194.9	230.4	230.4	232.9	177.2
90°	70.9	70.9	65.8	65.8	68.4	81.0	149.4	189.9	194.9	240.5	205.1
92.5°	60.8	60.8	60.8	60.8	50.6	58.2	106.3	169.6	182.3	235.4	184.8
95°	58.2	55.7	58.2	53.2	50.6	53.2	81.0	149.4	164.6	207.6	162.0
97.5°	40.5	38.0	43.0	43.0	45.6	48.1	68.4	111.4	116.5	154.4	121.5
100°	27.8	25.3	25.3	25.3	32.9	32.9	55.7	68.4	70.9	98.7	81.0
102.5°	15.2	12.7	12.7	12.7	17.7	20.3	27.8	38.0	38.0	53.2	45.6
105°	5.1	5.1	7.6	7.6	7.6	10.1	10.1	12.7	12.7	15.2	20.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5

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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	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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°	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4	1073.4
2.5°	1075.9	1081.0	1093.6	1101.2	1111.4	1121.5	1129.1	1129.1	1136.7	1131.6	1129.1
5°	1108.8	1111.4	1126.6	1136.7	1134.2	1124.0	1116.4	1111.4	1113.9	1119.0	1119.0
7.5°	1131.6	1141.7	1129.1	1129.1	1126.6	1113.9	1098.7	1083.5	1075.9	1073.4	1073.4
10°	1144.3	1134.2	1129.1	1116.4	1088.6	1081.0	1068.3	1040.5	1032.9	1032.9	1022.8
12.5°	1151.9	1146.8	1119.0	1096.2	1070.9	1030.4	1002.5	997.4	974.7	972.1	974.7
15°	1182.3	1156.9	1121.5	1078.5	1030.4	994.9	956.9	916.4	898.7	901.2	903.8
17.5°	1202.5	1179.7	1116.4	1048.1	1005.0	939.2	896.2	873.4	845.5	845.5	845.5
20°	1235.4	1197.4	1108.8	1035.4	934.2	886.1	835.4	810.1	782.3	734.2	729.1
22.5°	1278.5	1230.4	1106.3	997.4	906.3	827.8	754.4	675.9	635.4	607.6	600.0
25°	1331.6	1275.9	1124.0	979.7	853.1	756.9	663.3	556.9	481.0	465.8	465.8
27.5°	1422.8	1334.1	1146.8	962.0	822.8	678.5	531.6	438.0	372.1	351.9	349.4
30°	1511.4	1407.6	1154.4	944.3	764.5	572.1	410.1	311.4	253.2	227.8	222.8
32.5°	1650.6	1508.8	1220.2	929.1	698.7	460.7	291.1	197.5	149.4	134.2	131.6
35°	1792.4	1645.5	1243.0	888.6	579.7	336.7	167.1	106.3	81.0	68.4	65.8
37.5°	1974.6	1817.7	1311.4	845.5	460.7	192.4	93.7	58.2	50.6	50.6	50.6
40°	2081.0	1893.6	1372.1	789.9	316.4	98.7	55.7	45.6	45.6	43.0	43.0
42.5°	2217.7	1987.3	1425.3	681.0	167.1	60.8	48.1	43.0	38.0	38.0	38.0
45°	2296.1	2048.1	1407.6	546.8	78.5	55.7	45.6	38.0	35.4	35.4	35.4
47.5°	2392.3	2124.0	1369.6	405.1	68.4	50.6	43.0	35.4	32.9	35.4	35.4
50°	2488.5	2199.9	1273.4	311.4	63.3	48.1	38.0	30.4	30.4	32.9	32.9
52.5°	2536.6	2253.1	1159.5	215.2	63.3	45.6	35.4	30.4	27.8	27.8	27.8
55°	2592.3	2265.8	1063.3	141.8	60.8	43.0	32.9	25.3	25.3	22.8	22.8
57.5°	2622.7	2232.9	992.4	119.0	58.2	40.5	30.4	22.8	20.3	17.7	17.7
60°	2610.1	2184.8	931.6	103.8	53.2	38.0	27.8	20.3	15.2	12.7	12.7
62.5°	2584.7	2144.3	820.2	91.1	50.6	32.9	22.8	17.7	12.7	10.1	10.1
65°	2556.9	2035.4	691.1	78.5	45.6	30.4	20.3	15.2	10.1	7.6	7.6
67.5°	2427.8	1891.1	506.3	70.9	43.0	27.8	17.7	12.7	10.1	7.6	7.6
70°	2258.2	1650.6	326.6	60.8	38.0	25.3	17.7	10.1	7.6	5.1	5.1
72.5°	1921.5	1346.8	164.6	53.2	35.4	25.3	15.2	10.1	7.6	5.1	2.5
75°	1569.6	1005.0	106.3	45.6	32.9	25.3	15.2	10.1	5.1	2.5	2.5
77.5°	1124.0	544.3	81.0	40.5	27.8	25.3	12.7	7.6	5.1	5.1	2.5
80°	468.3	197.5	65.8	32.9	25.3	22.8	12.7	7.6	5.1	5.1	2.5
82.5°	197.5	136.7	58.2	27.8	22.8	22.8	10.1	7.6	5.1	5.1	5.1
85°	154.4	113.9	50.6	25.3	20.3	25.3	10.1	7.6	7.6	7.6	7.6
87.5°	144.3	116.5	45.6	22.8	20.3	17.7	10.1	7.6	12.7	12.7	15.2
90°	162.0	121.5	35.4	20.3	17.7	15.2	7.6	5.1	5.1	0.0	0.0
92.5°	149.4	111.4	25.3	15.2	22.8	10.1	5.1	0.0	0.0	0.0	0.0
95°	129.1	93.7	15.2	10.1	25.3	12.7	2.5	0.0	0.0	0.0	0.0
97.5°	96.2	68.4	10.1	5.1	20.3	15.2	2.5	0.0	0.0	0.0	0.0
100°	68.4	43.0	7.6	5.1	12.7	15.2	2.5	0.0	0.0	0.0	0.0
102.5°	38.0	22.8	5.1	2.5	5.1	5.1	0.0	0.0	0.0	0.0	0.0
105°	17.7	7.6	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	2.5	2.5	2.5	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°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
130°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
135°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
137.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
140°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
142.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
145°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
147.5°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
150°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.5	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0
157.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.5	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	2.5	2.5	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)