

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: P691595

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691595
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-5TLD-U-T2-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6975 lumens
Efficiency: N/A
Efficacy: 129.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 53.7
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

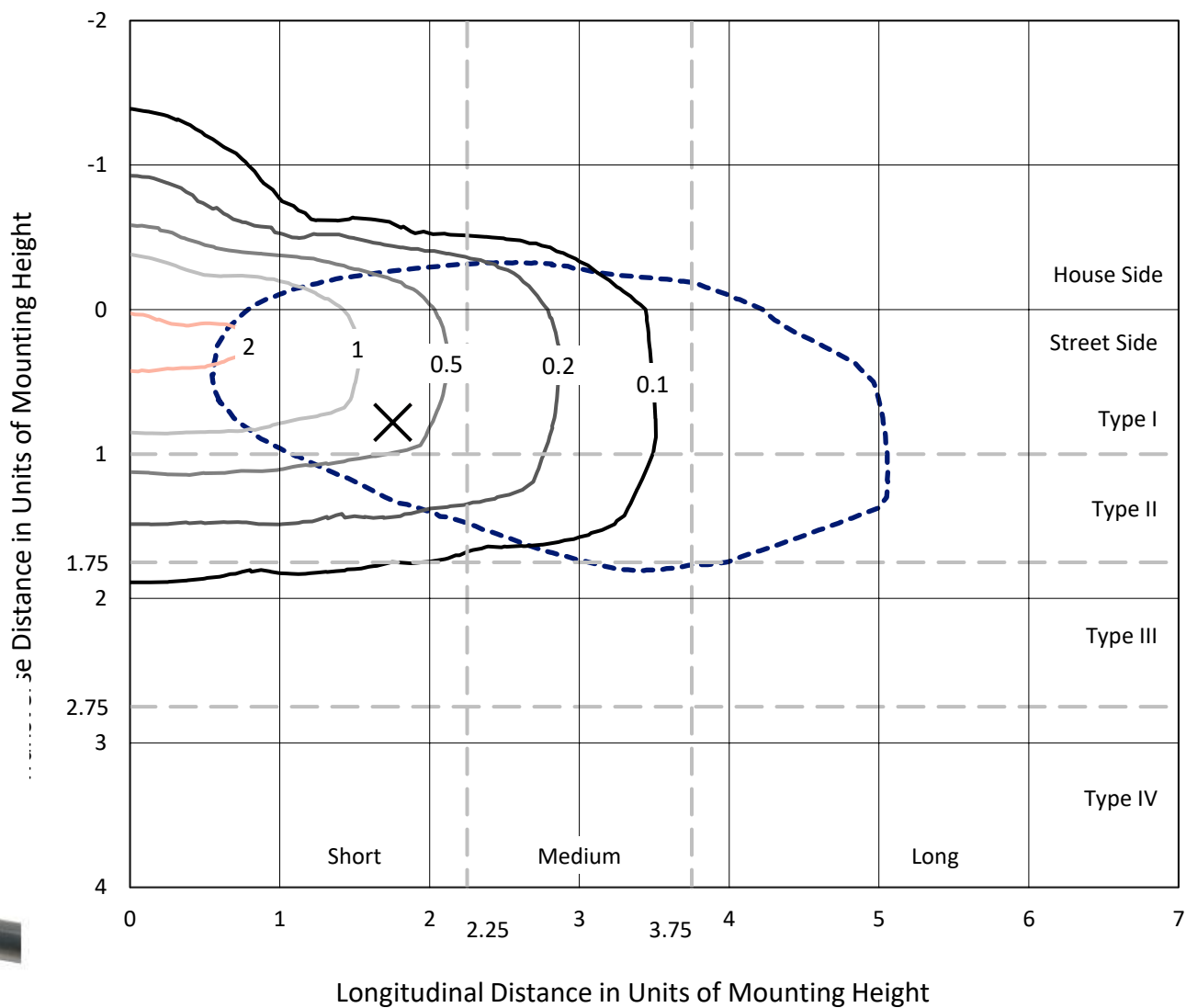


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

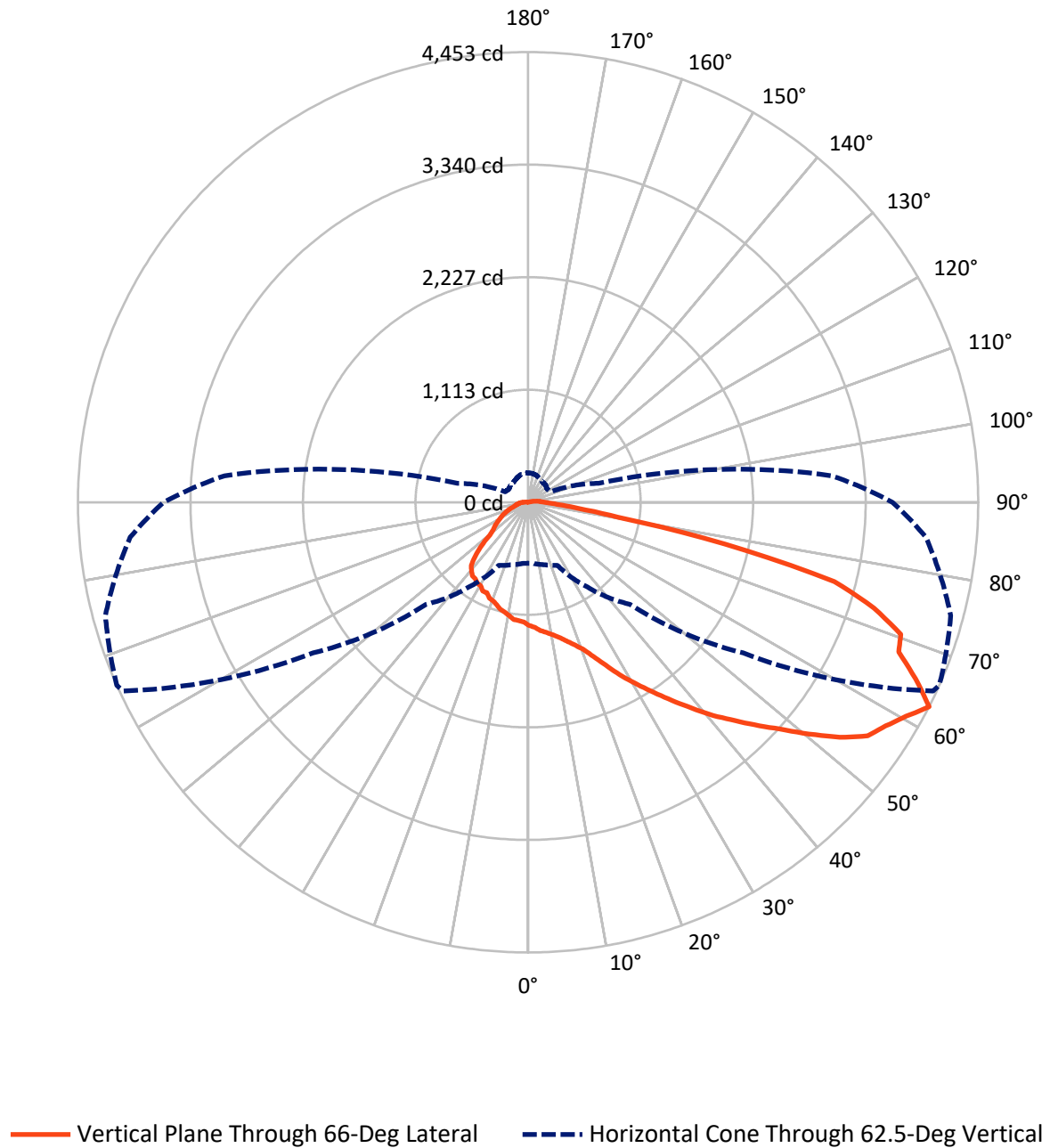
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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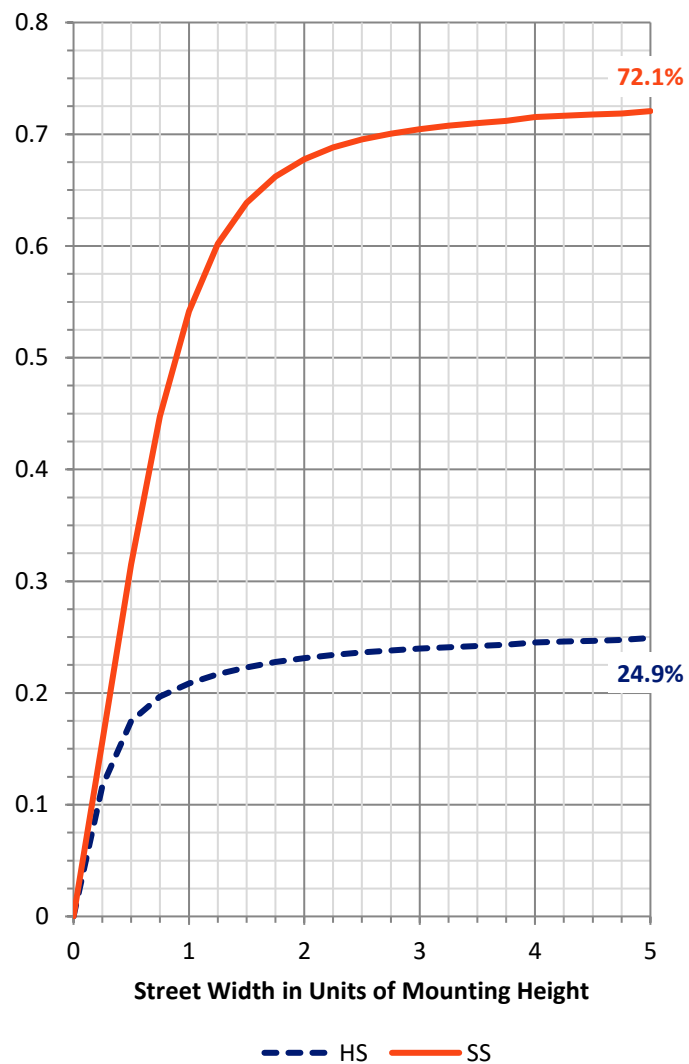
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1815.5	50.1	1865.7
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	5059.7	49.7	5109.3
	% Fixture	72.5	0.7	73.3
Total	Lumens	6875.2	99.8	6975.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	117.1	1.7
10°-20°	350.7	5.0
20°-30°	593.4	8.5
30°-40°	868.2	12.4
40°-50°	1134.8	16.3
50°-60°	1320.5	18.9
60°-70°	1321.1	18.9
70°-80°	911.6	13.1
80°-90°	257.7	3.7
90°-100°	84.9	1.2
100°-110°	11.6	0.2
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°	0.1	0.0
0°-90°	6875.2	98.6
0°-180°	6975.0	100.0

Coefficient of Utilization



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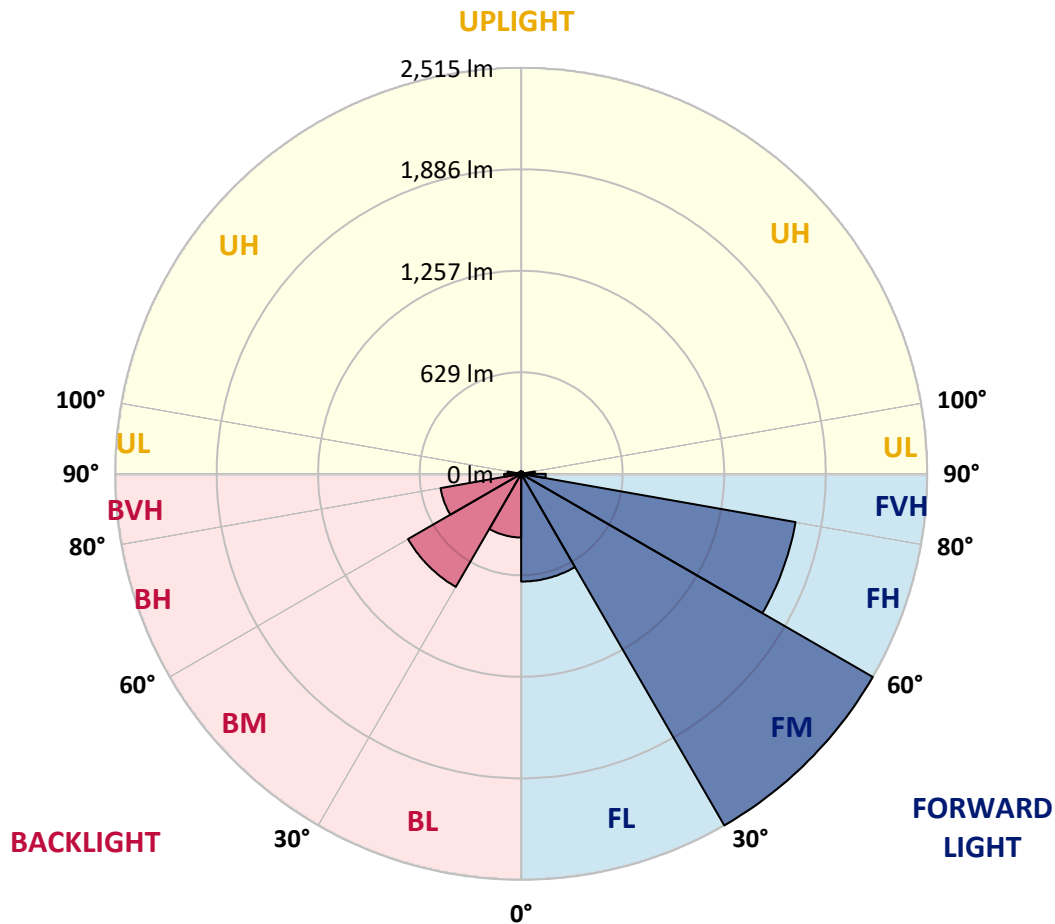
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	667.2	9.6			
FM	(30°-60°)	2514.7	36.1			
FH	(60°-80°)	1725.6	24.7			G1/1800
FVH	(80°-90°)	152.2	2.2			G2/225
BL	(0°-30°)	394.0	5.6	B1/500		
BM	(30°-60°)	808.9	11.6	B1/1000		
BH	(60°-80°)	507.1	7.3	B2/1000		G2/1000
BVH	(80°-90°)	105.5	1.5			G2/225
UL	(90°-100°)	84.9	1.2		U3/500	
UH	(100°-180°)	14.9	0.2		U2/50	

BUG Rating: B2-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7
2.5°	1281.2	1278.9	1278.9	1267.3	1255.7	1253.4	1246.5	1237.2	1237.2	1230.2	1218.7
5°	1357.7	1355.4	1357.7	1341.4	1325.2	1311.3	1288.2	1276.6	1274.3	1258.0	1234.9
7.5°	1411.0	1408.6	1406.3	1392.4	1385.5	1371.6	1339.1	1304.4	1299.7	1283.5	1253.4
10°	1431.8	1434.1	1445.7	1422.5	1408.6	1397.1	1378.5	1336.8	1332.2	1295.1	1248.8
12.5°	1487.4	1489.7	1482.8	1455.0	1450.3	1441.1	1411.0	1376.2	1371.6	1325.2	1260.4
15°	1545.3	1545.3	1536.1	1519.8	1508.3	1499.0	1461.9	1424.9	1422.5	1366.9	1290.5
17.5°	1570.8	1575.5	1577.8	1556.9	1552.3	1550.0	1531.4	1485.1	1480.5	1427.2	1332.2
20°	1587.0	1589.4	1591.7	1589.4	1591.7	1589.4	1598.6	1561.5	1550.0	1494.4	1378.5
22.5°	1619.5	1624.1	1640.3	1640.3	1647.3	1663.5	1656.5	1661.2	1656.5	1589.4	1457.3
25°	1635.7	1642.6	1663.5	1689.0	1719.1	1737.6	1763.1	1781.6	1784.0	1723.7	1577.8
27.5°	1610.2	1626.4	1679.7	1719.1	1788.6	1837.3	1897.5	1927.6	1932.2	1874.3	1707.5
30°	1642.6	1642.6	1675.1	1730.7	1816.4	1929.9	2022.6	2068.9	2073.6	2029.6	1837.3
32.5°	1582.4	1596.3	1670.4	1777.0	1899.8	2029.6	2119.9	2210.3	2221.8	2207.9	2022.6
35°	1575.5	1582.4	1628.7	1739.9	1904.4	2122.2	2247.3	2365.5	2388.7	2393.3	2201.0
37.5°	1510.6	1519.8	1605.6	1744.6	1969.3	2187.1	2347.0	2541.6	2562.4	2594.9	2356.2
40°	1429.5	1443.4	1512.9	1668.1	1950.8	2263.6	2453.5	2726.9	2757.0	2796.4	2560.1
42.5°	1322.9	1348.4	1466.6	1633.4	1941.5	2289.0	2555.5	2912.3	2940.1	2981.8	2731.6
45°	1232.6	1239.5	1334.5	1508.3	1867.4	2323.8	2650.5	3120.8	3139.3	3160.2	2870.6
47.5°	1151.5	1165.4	1246.5	1408.6	1788.6	2316.8	2733.9	3317.7	3350.1	3412.7	3039.7
50°	910.5	943.0	1172.3	1322.9	1668.1	2296.0	2803.4	3549.4	3602.7	3625.9	3232.0
52.5°	787.7	797.0	912.8	1239.5	1533.7	2226.5	2863.6	3801.9	3862.2	3808.9	3463.7
55°	727.5	736.8	790.0	1070.4	1429.5	2085.2	2910.0	4040.6	4077.6	3952.5	3635.1
57.5°	695.1	702.0	729.8	866.5	1302.1	1860.4	2914.6	4158.7	4172.6	4066.1	3723.2
60°	639.4	646.4	695.1	755.3	1160.7	1621.8	2833.5	4225.9	4297.7	4205.1	3892.3
62.5°	602.4	607.0	639.4	688.1	1024.0	1427.2	2597.2	4418.2	4453.0	4327.9	3950.2
65°	556.0	560.7	590.8	634.8	936.0	1318.3	2495.2	4339.4	4212.0	4297.7	4026.7
67.5°	502.8	509.7	537.5	574.6	790.0	1211.7	2201.0	4045.2	3954.8	4144.8	3827.4
70°	454.1	458.7	488.9	509.7	648.7	1072.7	1828.0	3815.8	3910.8	3908.5	3646.7
72.5°	400.8	405.4	430.9	449.5	542.1	908.2	1450.3	3551.7	3579.5	3479.9	3227.4
75°	345.2	347.5	370.7	389.2	444.8	727.5	1058.8	2937.8	3130.0	3327.0	2791.8
77.5°	278.0	285.0	303.5	312.8	356.8	581.5	690.4	1739.9	1987.8	2926.2	2495.2
80°	208.5	208.5	222.4	227.1	264.1	433.2	435.6	838.7	901.3	1860.4	1853.5
82.5°	132.1	139.0	152.9	150.6	178.4	247.9	275.7	465.7	500.4	736.8	822.5
85°	106.6	108.9	118.2	111.2	118.2	134.4	155.2	294.2	305.8	449.5	447.1
87.5°	88.0	90.4	97.3	92.7	95.0	101.9	120.5	196.9	201.6	289.6	298.9
90°	67.2	69.5	78.8	76.5	74.1	83.4	99.6	150.6	157.5	229.4	245.6
92.5°	44.0	44.0	51.0	51.0	51.0	60.2	88.0	115.8	120.5	208.5	220.1
95°	32.4	32.4	34.8	37.1	34.8	44.0	64.9	104.3	113.5	194.6	190.0
97.5°	20.9	20.9	23.2	25.5	23.2	27.8	37.1	74.1	83.4	150.6	148.3
100°	13.9	13.9	13.9	13.9	13.9	13.9	20.9	48.7	55.6	95.0	92.7
102.5°	9.3	9.3	9.3	9.3	7.0	7.0	9.3	23.2	25.5	51.0	48.7
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.3	11.6	20.9	20.9
107.5°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	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	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	2.3	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	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7	1218.7
2.5°	1214.0	1207.1	1195.5	1183.9	1177.0	1170.0	1158.4	1149.2	1149.2	1160.7	1160.7
5°	1218.7	1204.8	1181.6	1172.3	1160.7	1144.5	1126.0	1112.1	1105.1	1114.4	1116.7
7.5°	1230.2	1209.4	1186.2	1165.4	1126.0	1095.9	1079.6	1061.1	1058.8	1068.1	1072.7
10°	1221.0	1200.1	1172.3	1132.9	1091.2	1068.1	1037.9	1014.8	1014.8	1007.8	1012.5
12.5°	1230.2	1202.4	1146.8	1105.1	1068.1	1017.1	980.0	956.9	954.5	961.5	961.5
15°	1253.4	1211.7	1139.9	1088.9	1028.7	977.7	940.6	915.2	922.1	908.2	910.5
17.5°	1281.2	1218.7	1139.9	1051.8	984.7	936.0	885.0	854.9	857.2	859.5	861.9
20°	1316.0	1237.2	1128.3	1024.0	943.0	873.4	815.5	792.4	785.4	790.0	792.4
22.5°	1369.3	1278.9	1123.7	1010.1	885.0	817.8	766.9	720.5	715.9	715.9	715.9
25°	1457.3	1341.4	1144.5	963.8	854.9	753.0	695.1	651.0	630.2	632.5	634.8
27.5°	1591.7	1441.1	1165.4	966.1	785.4	695.1	623.2	574.6	563.0	565.3	567.6
30°	1733.0	1575.5	1218.7	919.8	746.0	607.0	532.9	498.1	484.2	477.3	479.6
32.5°	1841.9	1693.6	1292.8	905.9	674.2	512.0	465.7	437.9	419.3	412.4	412.4
35°	2015.7	1809.5	1353.0	871.1	600.1	451.8	414.7	384.6	375.3	370.7	370.7
37.5°	2163.9	1936.9	1415.6	857.2	509.7	405.4	359.1	340.6	340.6	335.9	333.6
40°	2323.8	2071.3	1450.3	815.5	440.2	356.8	310.5	308.1	315.1	315.1	315.1
42.5°	2516.1	2210.3	1487.4	766.9	386.9	301.2	275.7	294.2	310.5	315.1	315.1
45°	2659.7	2298.3	1503.6	662.6	333.6	261.8	271.1	289.6	310.5	317.4	315.1
47.5°	2782.5	2425.7	1480.5	535.2	287.3	254.9	266.4	282.7	308.1	317.4	317.4
50°	2905.3	2534.6	1464.2	386.9	268.8	254.9	266.4	273.4	301.2	312.8	312.8
52.5°	3086.0	2620.3	1399.4	324.4	254.9	257.2	271.1	271.1	296.6	310.5	317.4
55°	3317.7	2817.3	1276.6	303.5	250.2	254.9	273.4	273.4	291.9	305.8	310.5
57.5°	3412.7	2886.8	1065.7	285.0	245.6	254.9	266.4	271.1	294.2	303.5	301.2
60°	3537.8	3000.3	873.4	266.4	236.3	250.2	257.2	273.4	291.9	294.2	291.9
62.5°	3605.0	3014.2	722.9	247.9	229.4	243.3	245.6	264.1	282.7	289.6	291.9
65°	3642.1	3000.3	535.2	229.4	222.4	234.0	236.3	252.5	271.1	275.7	278.0
67.5°	3507.7	2905.3	370.7	210.8	215.5	222.4	227.1	243.3	257.2	271.1	275.7
70°	3266.7	2629.6	264.1	187.7	203.9	210.8	220.1	236.3	250.2	268.8	273.4
72.5°	3000.3	2117.6	194.6	159.9	187.7	196.9	213.1	224.7	245.6	268.8	275.7
75°	2750.1	1858.1	155.2	136.7	159.9	180.7	201.6	217.8	247.9	329.0	340.6
77.5°	1950.8	1255.7	139.0	120.5	136.7	157.5	185.3	213.1	345.2	391.5	393.9
80°	1415.6	739.1	125.1	106.6	118.2	127.4	169.1	261.8	382.3	361.4	361.4
82.5°	709.0	396.2	118.2	95.0	101.9	104.3	150.6	333.6	308.1	322.0	324.4
85°	342.9	192.3	97.3	83.4	88.0	85.7	141.3	317.4	291.9	294.2	289.6
87.5°	215.5	118.2	76.5	69.5	71.8	69.5	134.4	303.5	305.8	250.2	254.9
90°	194.6	139.0	60.2	55.6	48.7	57.9	120.5	282.7	298.9	180.7	150.6
92.5°	187.7	150.6	44.0	39.4	34.8	46.3	90.4	229.4	183.0	76.5	46.3
95°	166.8	132.1	37.1	27.8	32.4	39.4	57.9	152.9	122.8	0.0	0.0
97.5°	125.1	97.3	30.1	18.5	104.3	34.8	32.4	99.6	34.8	0.0	0.0
100°	78.8	60.2	23.2	13.9	118.2	23.2	20.9	57.9	0.0	0.0	0.0
102.5°	44.0	32.4	11.6	9.3	51.0	11.6	13.9	13.9	0.0	0.0	0.0
105°	18.5	16.2	4.6	4.6	4.6	2.3	7.0	0.0	0.0	0.0	0.0
107.5°	4.6	7.0	2.3	2.3	2.3	2.3	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	2.3	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	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	4.6	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	2.3	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.3	2.3	2.3	2.3	2.3	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)