

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: P691395

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691395
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-C016-5TLD-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6193.1 lumens
Efficiency: N/A
Efficacy: 144.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

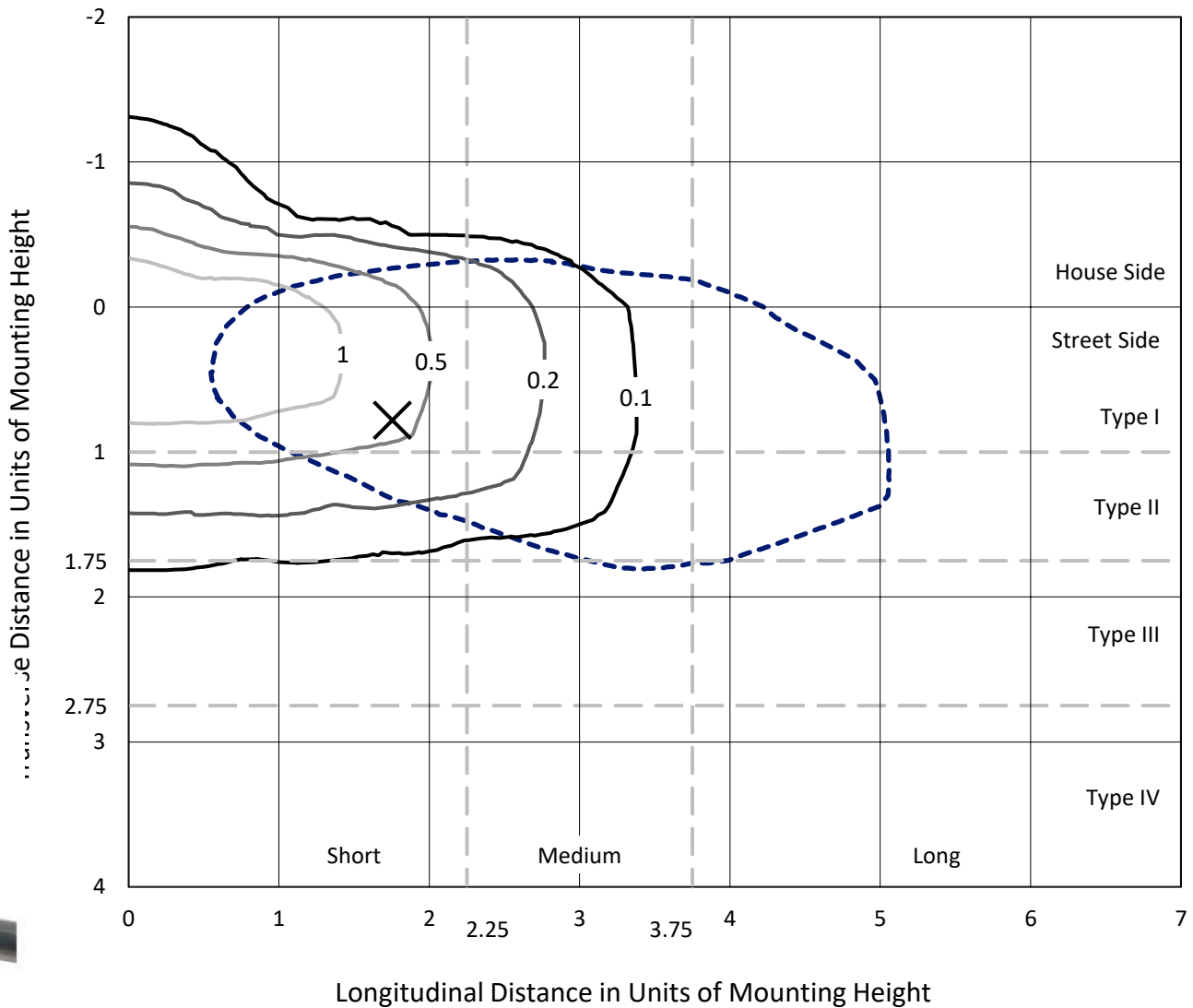
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

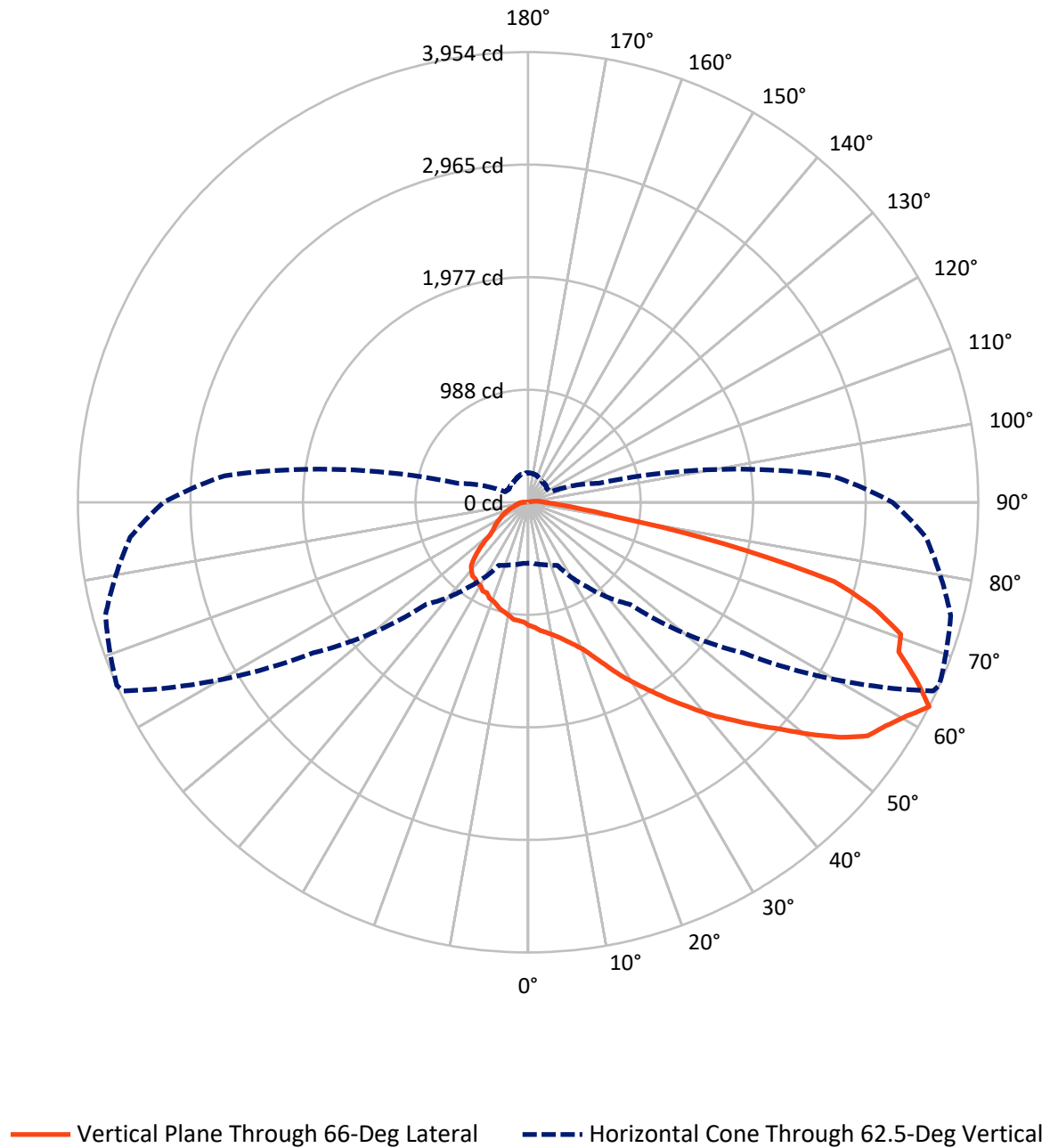
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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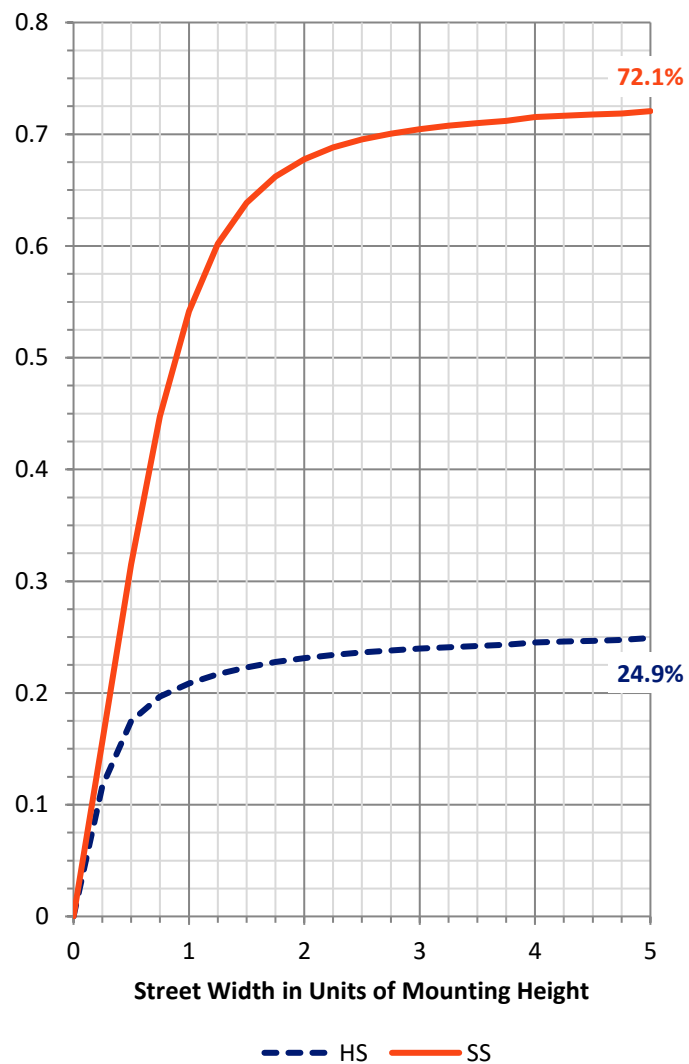
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1612.0	44.6	1656.6
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4492.4	44.1	4536.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	6104.4	88.7	6193.1
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.0	1.7
10°-20°	311.4	5.0
20°-30°	526.9	8.5
30°-40°	770.9	12.4
40°-50°	1007.6	16.3
50°-60°	1172.5	18.9
60°-70°	1173.0	18.9
70°-80°	809.4	13.1
80°-90°	228.8	3.7
90°-100°	75.4	1.2
100°-110°	10.3	0.2
110°-120°	0.6	0.0
120°-130°	0.6	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6104.4	98.6
0°-180°	6193.1	100.0

Coefficient of Utilization



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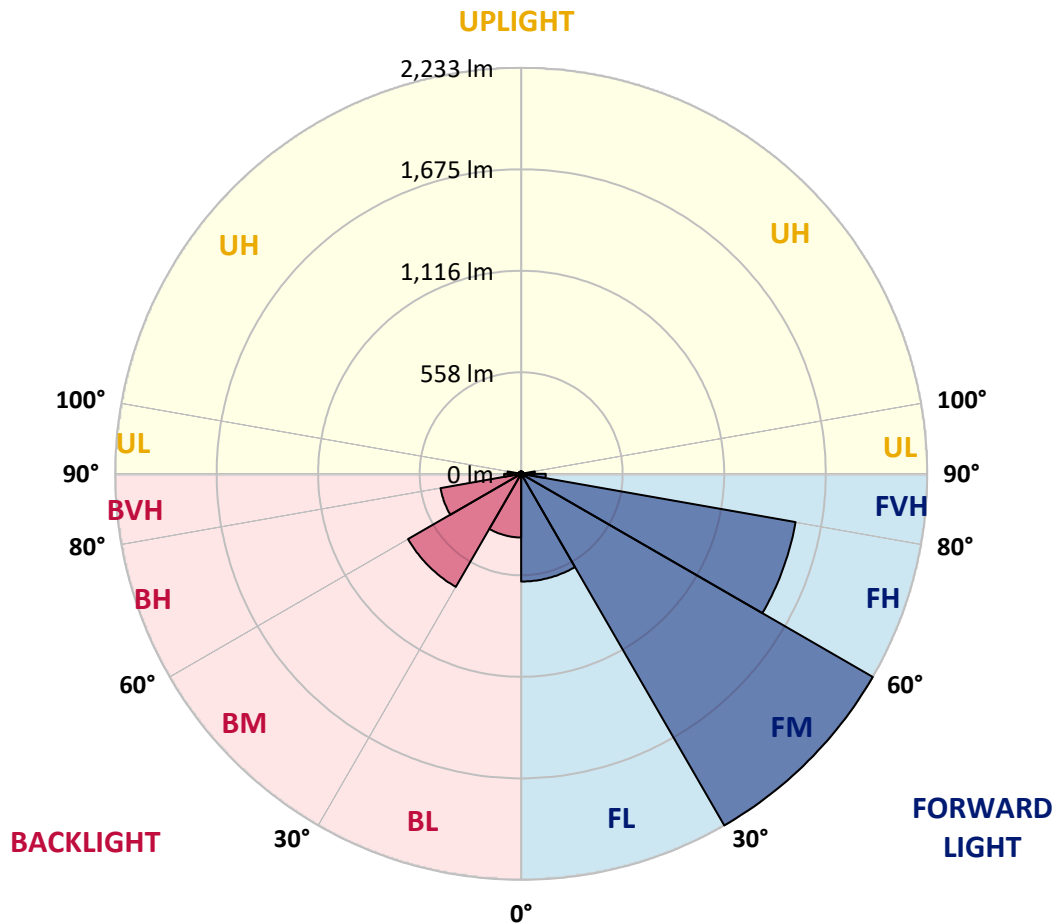
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	592.4	9.6			
FM	(30°-60°)	2232.7	36.1			
FH	(60°-80°)	1532.1	24.7			G1/1800
FVH	(80°-90°)	135.1	2.2			G2/225
BL	(0°-30°)	349.8	5.6	B1/500		
BM	(30°-60°)	718.2	11.6	B1/1000		
BH	(60°-80°)	450.3	7.3	B1/500		G1/500
BVH	(80°-90°)	93.7	1.5			G1/100
UL	(90°-100°)	75.4	1.2		U3/500	
UH	(100°-180°)	13.3	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0
2.5°	1137.6	1135.5	1135.5	1125.2	1114.9	1112.9	1106.7	1098.5	1098.5	1092.3	1082.0
5°	1205.5	1203.4	1205.5	1191.1	1176.7	1164.3	1143.7	1133.5	1131.4	1117.0	1096.4
7.5°	1252.8	1250.7	1248.7	1236.3	1230.1	1217.8	1189.0	1158.1	1154.0	1139.6	1112.9
10°	1271.3	1273.3	1283.6	1263.1	1250.7	1240.4	1224.0	1186.9	1182.8	1149.9	1108.8
12.5°	1320.7	1322.7	1316.5	1291.9	1287.7	1279.5	1252.8	1221.9	1217.8	1176.7	1119.1
15°	1372.1	1372.1	1363.8	1349.4	1339.2	1330.9	1298.0	1265.1	1263.1	1213.7	1145.8
17.5°	1394.7	1398.8	1400.9	1382.4	1378.2	1376.2	1359.7	1318.6	1314.5	1267.2	1182.8
20°	1409.1	1411.2	1413.2	1411.2	1413.2	1411.2	1419.4	1386.5	1376.2	1326.8	1224.0
22.5°	1437.9	1442.0	1456.4	1456.4	1462.6	1477.0	1470.8	1474.9	1470.8	1411.2	1293.9
25°	1452.3	1458.5	1477.0	1499.6	1526.4	1542.8	1565.4	1581.9	1584.0	1530.5	1400.9
27.5°	1429.7	1444.1	1491.4	1526.4	1588.1	1631.3	1684.8	1711.5	1715.6	1664.2	1516.1
30°	1458.5	1458.5	1487.3	1536.6	1612.8	1713.6	1795.8	1837.0	1841.1	1802.0	1631.3
32.5°	1405.0	1417.3	1483.2	1577.8	1686.8	1802.0	1882.2	1962.5	1972.7	1960.4	1795.8
35°	1398.8	1405.0	1446.1	1544.9	1690.9	1884.3	1995.4	2100.3	2120.9	2125.0	1954.2
37.5°	1341.2	1349.4	1425.6	1549.0	1748.5	1941.9	2083.8	2256.6	2275.1	2303.9	2092.1
40°	1269.2	1281.6	1343.3	1481.1	1732.1	2009.8	2178.5	2421.2	2447.9	2482.9	2273.1
42.5°	1174.6	1197.2	1302.1	1450.2	1723.8	2032.4	2269.0	2585.8	2610.4	2647.5	2425.3
45°	1094.4	1100.5	1184.9	1339.2	1658.0	2063.3	2353.3	2770.9	2787.4	2805.9	2548.7
47.5°	1022.4	1034.7	1106.7	1250.7	1588.1	2057.1	2427.4	2945.7	2974.5	3030.1	2698.9
50°	808.4	837.2	1040.9	1174.6	1481.1	2038.6	2489.1	3151.5	3198.8	3219.3	2869.6
52.5°	699.4	707.6	810.5	1100.5	1361.8	1976.9	2542.6	3375.7	3429.2	3381.9	3075.3
55°	645.9	654.2	701.5	950.4	1269.2	1851.4	2583.7	3587.6	3620.5	3509.4	3227.6
57.5°	617.1	623.3	648.0	769.4	1156.1	1651.8	2587.8	3692.5	3704.8	3610.2	3305.7
60°	567.8	573.9	617.1	670.6	1030.6	1440.0	2515.8	3752.1	3815.9	3733.6	3455.9
62.5°	534.8	539.0	567.8	611.0	909.2	1267.2	2306.0	3922.9	3953.7	3842.6	3507.3
65°	493.7	497.8	524.6	563.6	831.1	1170.5	2215.5	3852.9	3739.8	3815.9	3575.2
67.5°	446.4	452.6	477.2	510.2	701.5	1075.9	1954.2	3591.7	3511.4	3680.1	3398.3
70°	403.2	407.3	434.0	452.6	576.0	952.4	1623.0	3388.0	3472.4	3470.3	3237.9
72.5°	355.9	360.0	382.6	399.1	481.4	806.4	1287.7	3153.5	3178.2	3089.7	2865.5
75°	306.5	308.6	329.1	345.6	395.0	645.9	940.1	2608.4	2779.1	2954.0	2478.8
77.5°	246.9	253.0	269.5	277.7	316.8	516.3	613.0	1544.9	1765.0	2598.1	2215.5
80°	185.1	185.1	197.5	201.6	234.5	384.7	386.7	744.7	800.2	1651.8	1645.7
82.5°	117.3	123.4	135.8	133.7	158.4	220.1	244.8	413.5	444.3	654.2	730.3
85°	94.6	96.7	104.9	98.7	104.9	119.3	137.8	261.3	271.5	399.1	397.0
87.5°	78.2	80.2	86.4	82.3	84.3	90.5	107.0	174.9	179.0	257.1	265.4
90°	59.7	61.7	69.9	67.9	65.8	74.1	88.5	133.7	139.9	203.7	218.1
92.5°	39.1	39.1	45.3	45.3	45.3	53.5	78.2	102.9	107.0	185.1	195.4
95°	28.8	28.8	30.9	32.9	30.9	39.1	57.6	92.6	100.8	172.8	168.7
97.5°	18.5	18.5	20.6	22.6	20.6	24.7	32.9	65.8	74.1	133.7	131.7
100°	12.3	12.3	12.3	12.3	12.3	12.3	18.5	43.2	49.4	84.3	82.3
102.5°	8.2	8.2	8.2	8.2	6.2	6.2	8.2	20.6	22.6	45.3	43.2
105°	2.1	2.1	4.1	4.1	4.1	2.1	2.1	8.2	10.3	18.5	18.5
107.5°	0.0	0.0	0.0	2.1	0.0	0.0	0.0	0.0	0.0	2.1	2.1
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	2.1
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	2.1
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1	0.0	0.0	0.0	0.0	0.0	0.0	2.1
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.1
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	2.1	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	2.1	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°	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0	1082.0
2.5°	1077.9	1071.7	1061.5	1051.2	1045.0	1038.8	1028.5	1020.3	1020.3	1030.6	1030.6
5°	1082.0	1069.7	1049.1	1040.9	1030.6	1016.2	999.7	987.4	981.2	989.5	991.5
7.5°	1092.3	1073.8	1053.2	1034.7	999.7	973.0	958.6	942.1	940.1	948.3	952.4
10°	1084.1	1065.6	1040.9	1005.9	968.9	948.3	921.6	901.0	901.0	894.8	898.9
12.5°	1092.3	1067.6	1018.3	981.2	948.3	903.1	870.1	849.6	847.5	853.7	853.7
15°	1112.9	1075.9	1012.1	966.8	913.3	868.1	835.2	812.5	818.7	806.4	808.4
17.5°	1137.6	1082.0	1012.1	933.9	874.3	831.1	785.8	759.1	761.1	763.2	765.2
20°	1168.4	1098.5	1001.8	909.2	837.2	775.5	724.1	703.5	697.4	701.5	703.5
22.5°	1215.7	1135.5	997.7	896.9	785.8	726.2	680.9	639.8	635.6	635.6	635.6
25°	1293.9	1191.1	1016.2	855.7	759.1	668.6	617.1	578.0	559.5	561.6	563.6
27.5°	1413.2	1279.5	1034.7	857.8	697.4	617.1	553.4	510.2	499.9	501.9	504.0
30°	1538.7	1398.8	1082.0	816.7	662.4	539.0	473.1	442.3	429.9	423.8	425.8
32.5°	1635.4	1503.7	1147.9	804.3	598.6	454.6	413.5	388.8	372.3	366.2	366.2
35°	1789.7	1606.6	1201.3	773.5	532.8	401.1	368.2	341.5	333.2	329.1	329.1
37.5°	1921.3	1719.7	1256.9	761.1	452.6	360.0	318.8	302.4	302.4	298.3	296.2
40°	2063.3	1839.0	1287.7	724.1	390.8	316.8	275.6	273.6	279.8	279.8	279.8
42.5°	2234.0	1962.5	1320.7	680.9	343.5	267.4	244.8	261.3	275.6	279.8	279.8
45°	2361.5	2040.6	1335.0	588.3	296.2	232.5	240.7	257.1	275.6	281.8	279.8
47.5°	2470.6	2153.8	1314.5	475.2	255.1	226.3	236.6	251.0	273.6	281.8	281.8
50°	2579.6	2250.5	1300.1	343.5	238.6	226.3	236.6	242.7	267.4	277.7	277.7
52.5°	2740.0	2326.6	1242.5	288.0	226.3	228.3	240.7	240.7	263.3	275.6	281.8
55°	2945.7	2501.4	1133.5	269.5	222.2	226.3	242.7	242.7	259.2	271.5	275.6
57.5°	3030.1	2563.1	946.3	253.0	218.1	226.3	236.6	240.7	261.3	269.5	267.4
60°	3141.2	2663.9	775.5	236.6	209.8	222.2	228.3	242.7	259.2	261.3	259.2
62.5°	3200.8	2676.3	641.8	220.1	203.7	216.0	218.1	234.5	251.0	257.1	259.2
65°	3233.7	2663.9	475.2	203.7	197.5	207.8	209.8	224.2	240.7	244.8	246.9
67.5°	3114.4	2579.6	329.1	187.2	191.3	197.5	201.6	216.0	228.3	240.7	244.8
70°	2900.5	2334.8	234.5	166.6	181.0	187.2	195.4	209.8	222.2	238.6	242.7
72.5°	2663.9	1880.2	172.8	141.9	166.6	174.9	189.3	199.5	218.1	238.6	244.8
75°	2441.8	1649.8	137.8	121.4	141.9	160.5	179.0	193.4	220.1	292.1	302.4
77.5°	1732.1	1114.9	123.4	107.0	121.4	139.9	164.6	189.3	306.5	347.6	349.7
80°	1256.9	656.2	111.1	94.6	104.9	113.1	150.2	232.5	339.4	320.9	320.9
82.5°	629.5	351.8	104.9	84.3	90.5	92.6	133.7	296.2	273.6	285.9	288.0
85°	304.4	170.7	86.4	74.1	78.2	76.1	125.5	281.8	259.2	261.3	257.1
87.5°	191.3	104.9	67.9	61.7	63.8	61.7	119.3	269.5	271.5	222.2	226.3
90°	172.8	123.4	53.5	49.4	43.2	51.4	107.0	251.0	265.4	160.5	133.7
92.5°	166.6	133.7	39.1	35.0	30.9	41.1	80.2	203.7	162.5	67.9	41.1
95°	148.1	117.3	32.9	24.7	28.8	35.0	51.4	135.8	109.0	0.0	0.0
97.5°	111.1	86.4	26.7	16.5	92.6	30.9	28.8	88.5	30.9	0.0	0.0
100°	69.9	53.5	20.6	12.3	104.9	20.6	18.5	51.4	0.0	0.0	0.0
102.5°	39.1	28.8	10.3	8.2	45.3	10.3	12.3	12.3	0.0	0.0	0.0
105°	16.5	14.4	4.1	4.1	4.1	2.1	6.2	0.0	0.0	0.0	0.0
107.5°	4.1	6.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
110°	2.1	2.1	2.1	2.1	2.1	2.1	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°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
115°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
117.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
120°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	4.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
132.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
135°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
137.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
140°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
142.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
145°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
147.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
150°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
152.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
155°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
157.5°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
160°	2.1	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
162.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
165°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
167.5°	2.1	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.1	2.1	2.1	2.1	2.1	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)