

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: P691403

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691403
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-T2-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6266 lumens
Efficiency: N/A
Efficacy: 146.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

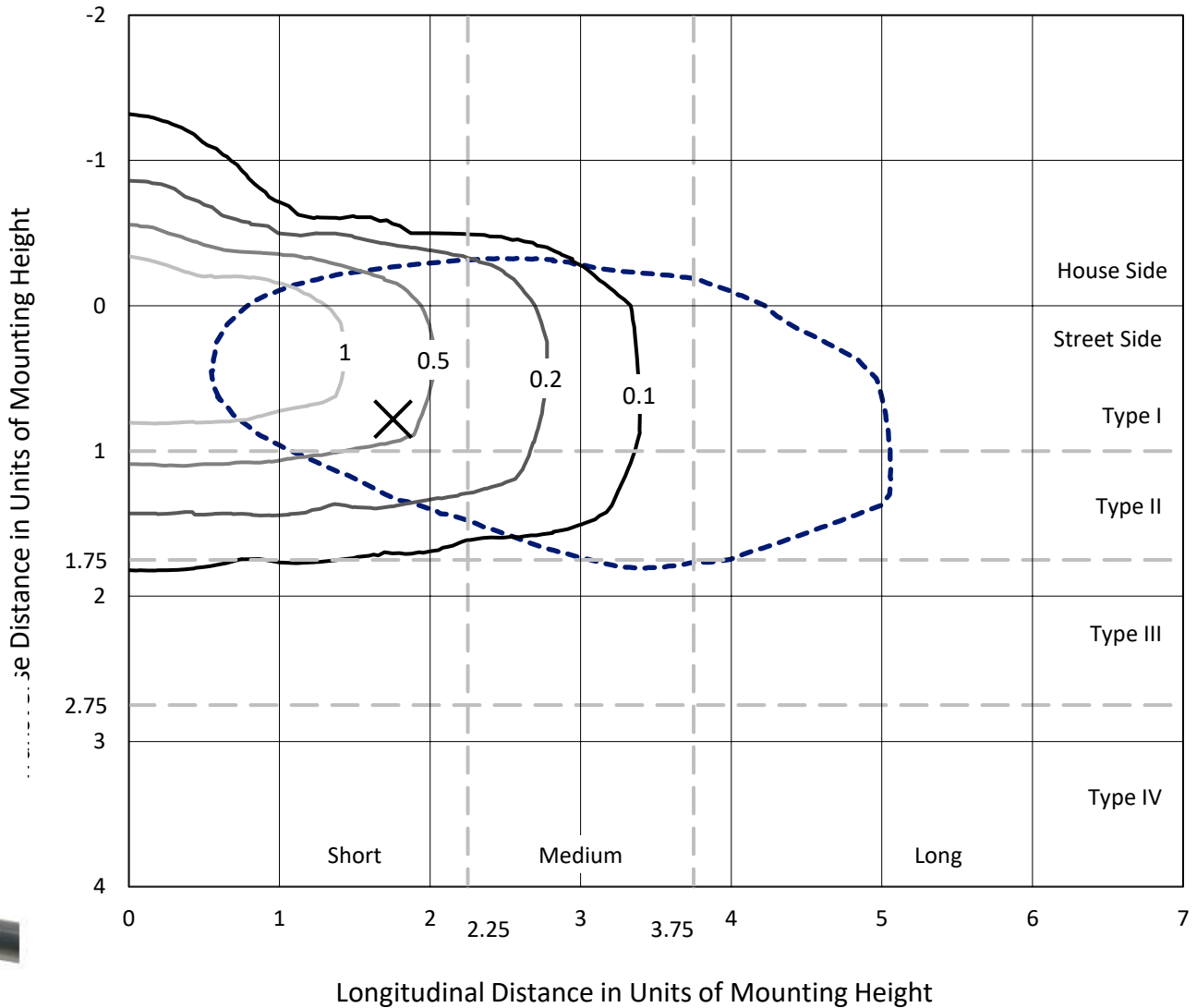
Input Watts (W): 42.8
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

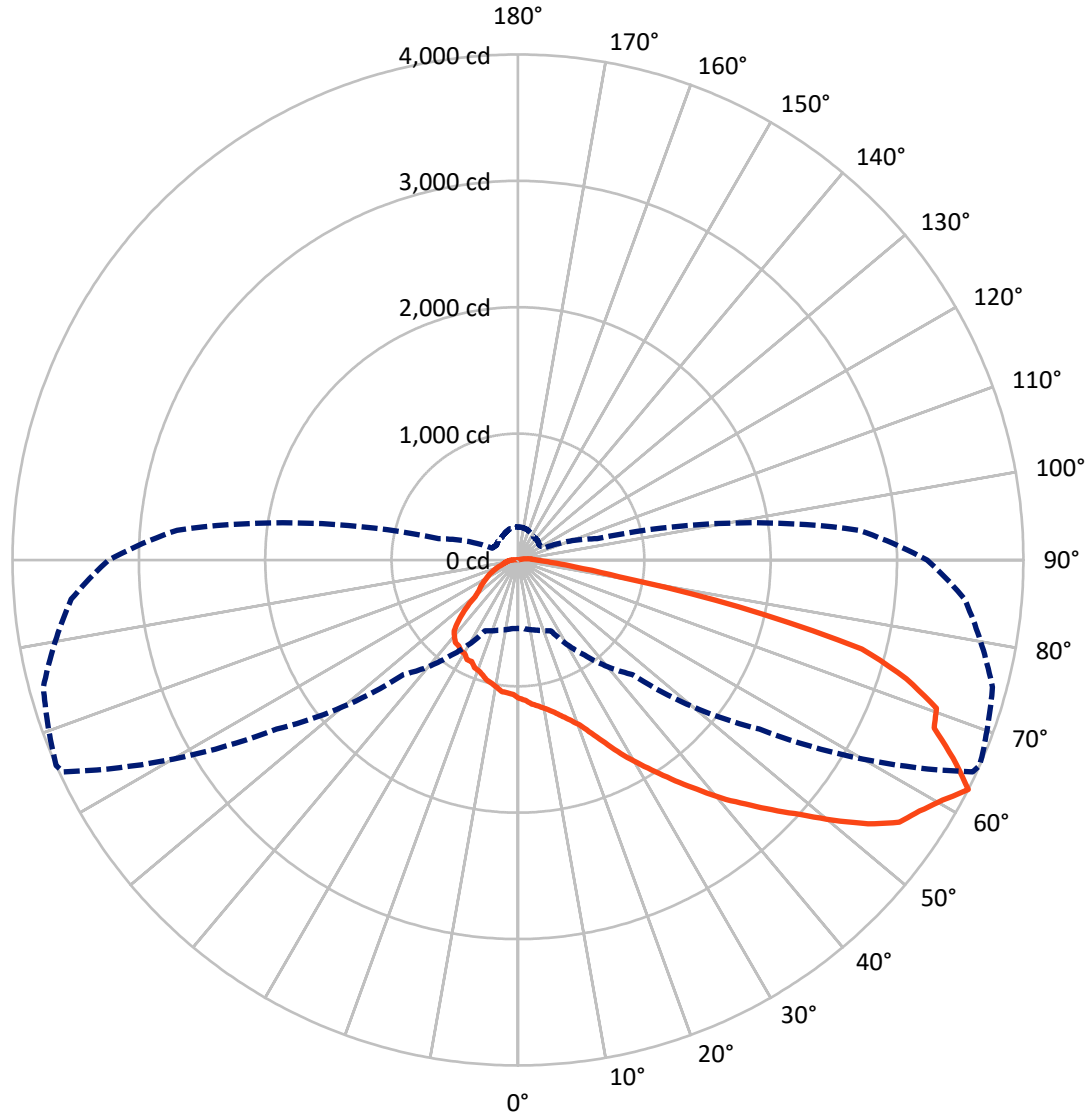
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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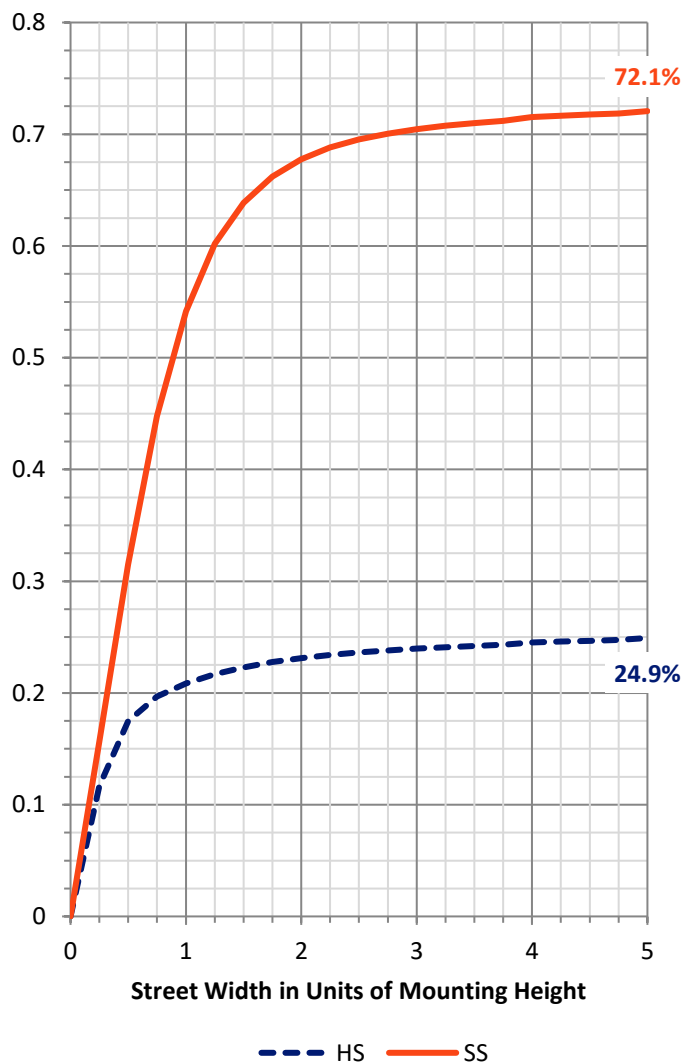
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1631.0	45.1	1676.1
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4545.4	44.6	4590.0
	% Fixture	72.5	0.7	73.3
Total	Lumens	6176.3	89.7	6266.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.2	1.7
10°-20°	315.0	5.0
20°-30°	533.1	8.5
30°-40°	780.0	12.4
40°-50°	1019.5	16.3
50°-60°	1186.3	18.9
60°-70°	1186.8	18.9
70°-80°	818.9	13.1
80°-90°	231.5	3.7
90°-100°	76.3	1.2
100°-110°	10.5	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°	6176.3	98.6
0°-180°	6266.0	100.0

Coefficient of Utilization

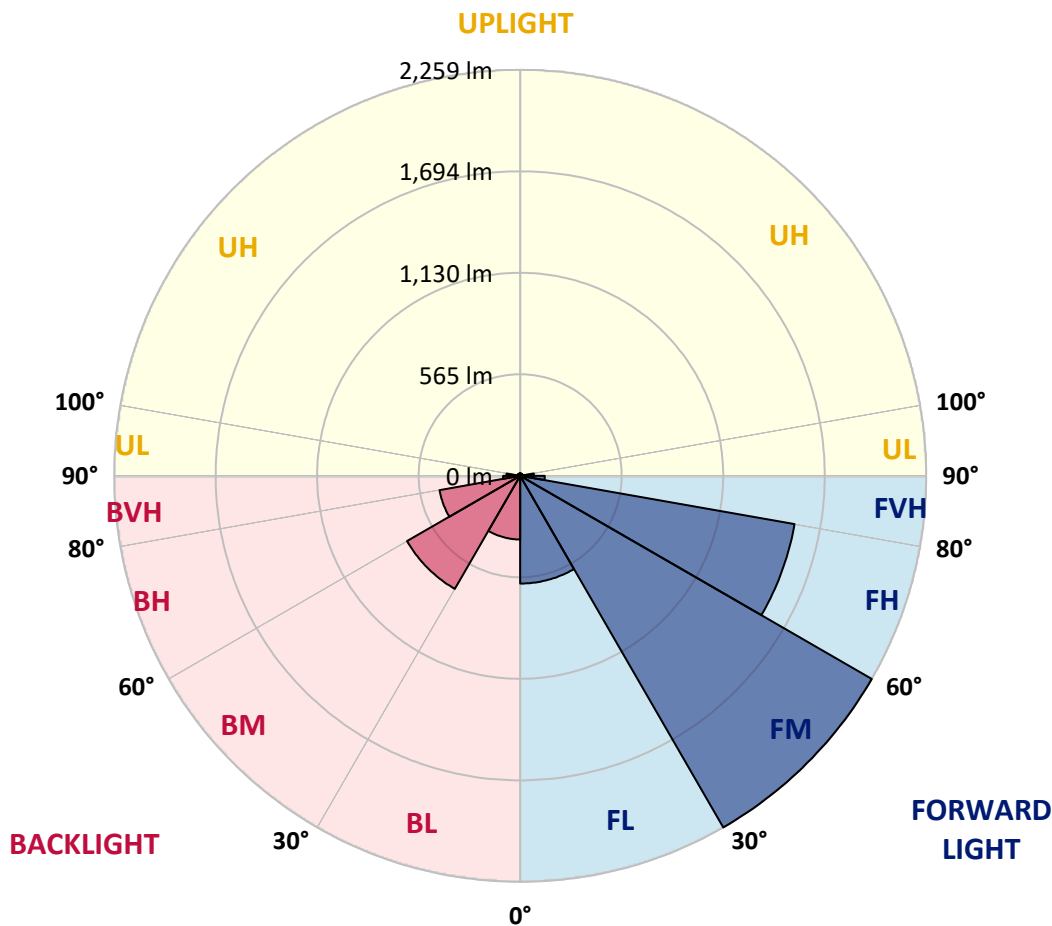


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	599.4	9.6			
FM (30°-60°)	2259.1	36.1			
FH (60°-80°)	1550.2	24.7			G1/1800
FVH (80°-90°)	136.7	2.2			G2/225
BL (0°-30°)	354.0	5.6	B1/500		
BM (30°-60°)	726.7	11.6	B1/1000		
BH (60°-80°)	455.6	7.3	B1/500		G1/500
BVH (80°-90°)	94.8	1.5			G1/100
UL (90°-100°)	76.3	1.2		U3/500	
UH (100°-180°)	13.4	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°	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8
2.5°	1151.0	1148.9	1148.9	1138.5	1128.1	1126.0	1119.8	1111.4	1111.4	1105.2	1094.8
5°	1219.7	1217.6	1219.7	1205.1	1190.5	1178.0	1157.2	1146.8	1144.7	1130.2	1109.4
7.5°	1267.5	1265.5	1263.4	1250.9	1244.6	1232.2	1203.0	1171.8	1167.6	1153.1	1126.0
10°	1286.3	1288.3	1298.8	1277.9	1265.5	1255.0	1238.4	1200.9	1196.8	1163.5	1121.8
12.5°	1336.2	1338.3	1332.1	1307.1	1302.9	1294.6	1267.5	1236.3	1232.2	1190.5	1132.2
15°	1388.3	1388.3	1379.9	1365.4	1354.9	1346.6	1313.3	1280.0	1277.9	1228.0	1159.3
17.5°	1411.1	1415.3	1417.4	1398.7	1394.5	1392.4	1375.8	1334.1	1330.0	1282.1	1196.8
20°	1425.7	1427.8	1429.9	1427.8	1429.9	1427.8	1436.1	1402.8	1392.4	1342.5	1238.4
22.5°	1454.9	1459.0	1473.6	1473.6	1479.8	1494.4	1488.2	1492.3	1488.2	1427.8	1309.2
25°	1469.4	1475.7	1494.4	1517.3	1544.4	1561.0	1583.9	1600.5	1602.6	1548.5	1417.4
27.5°	1446.5	1461.1	1509.0	1544.4	1606.8	1650.5	1704.6	1731.7	1735.8	1683.8	1533.9
30°	1475.7	1475.7	1504.8	1554.8	1631.8	1733.8	1817.0	1858.6	1862.8	1823.2	1650.5
32.5°	1421.6	1434.0	1500.6	1596.4	1706.7	1823.2	1904.4	1985.6	1996.0	1983.5	1817.0
35°	1415.3	1421.6	1463.2	1563.1	1710.9	1906.5	2018.9	2125.0	2145.9	2150.0	1977.3
37.5°	1357.0	1365.4	1442.4	1567.2	1769.1	1964.8	2108.4	2283.2	2302.0	2331.1	2116.7
40°	1284.2	1296.7	1359.1	1498.6	1752.5	2033.5	2204.1	2449.7	2476.8	2512.2	2299.9
42.5°	1188.4	1211.3	1317.5	1467.3	1744.2	2056.4	2295.7	2616.2	2641.2	2678.7	2453.9
45°	1107.3	1113.5	1198.8	1354.9	1677.6	2087.6	2381.0	2803.6	2820.2	2838.9	2578.8
47.5°	1034.4	1046.9	1119.8	1265.5	1606.8	2081.3	2456.0	2980.5	3009.6	3065.8	2730.7
50°	818.0	847.1	1053.2	1188.4	1498.6	2062.6	2518.4	3188.6	3236.5	3257.3	2903.5
52.5°	707.7	716.0	820.0	1113.5	1377.8	2000.2	2572.5	3415.5	3469.6	3421.7	3111.6
55°	653.5	661.9	709.7	961.6	1284.2	1873.2	2614.2	3629.8	3663.2	3550.8	3265.6
57.5°	624.4	630.6	655.6	778.4	1169.7	1671.3	2618.3	3736.0	3748.5	3652.7	3344.7
60°	574.4	580.7	624.4	678.5	1042.7	1456.9	2545.5	3796.4	3860.9	3777.6	3496.6
62.5°	541.1	545.3	574.4	618.2	920.0	1282.1	2333.2	3969.1	4000.3	3887.9	3548.7
65°	499.5	503.7	530.7	570.3	840.9	1184.3	2241.6	3898.3	3783.9	3860.9	3617.4
67.5°	451.6	457.9	482.9	516.2	709.7	1088.5	1977.3	3634.0	3552.8	3723.5	3438.4
70°	407.9	412.1	439.2	457.9	582.8	963.7	1642.2	3428.0	3513.3	3511.2	3276.0
72.5°	360.1	364.2	387.1	403.8	487.0	815.9	1302.9	3190.7	3215.7	3126.2	2899.3
75°	310.1	312.2	333.0	349.7	399.6	653.5	951.2	2639.1	2811.9	2988.8	2508.0
77.5°	249.8	256.0	272.7	281.0	320.5	522.4	620.2	1563.1	1785.8	2628.7	2241.6
80°	187.3	187.3	199.8	204.0	237.3	389.2	391.3	753.4	809.6	1671.3	1665.1
82.5°	118.6	124.9	137.4	135.3	160.3	222.7	247.7	418.3	449.6	661.9	738.9
85°	95.7	97.8	106.1	99.9	106.1	120.7	139.4	264.3	274.7	403.8	401.7
87.5°	79.1	81.2	87.4	83.3	85.3	91.6	108.2	176.9	181.1	260.2	268.5
90°	60.4	62.4	70.8	68.7	66.6	74.9	89.5	135.3	141.5	206.1	220.6
92.5°	39.5	39.5	45.8	45.8	45.8	54.1	79.1	104.1	108.2	187.3	197.7
95°	29.1	29.1	31.2	33.3	31.2	39.5	58.3	93.7	102.0	174.8	170.7
97.5°	18.7	18.7	20.8	22.9	20.8	25.0	33.3	66.6	74.9	135.3	133.2
100°	12.5	12.5	12.5	12.5	12.5	12.5	18.7	43.7	50.0	85.3	83.3
102.5°	8.3	8.3	8.3	8.3	6.2	6.2	8.3	20.8	22.9	45.8	43.7
105°	2.1	2.1	4.2	4.2	4.2	2.1	2.1	8.3	10.4	18.7	18.7
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°	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8	1094.8
2.5°	1090.6	1084.4	1074.0	1063.6	1057.3	1051.1	1040.7	1032.3	1032.3	1042.7	1042.7
5°	1094.8	1082.3	1061.5	1053.2	1042.7	1028.2	1011.5	999.0	992.8	1001.1	1003.2
7.5°	1105.2	1086.5	1065.6	1046.9	1011.5	984.5	969.9	953.3	951.2	959.5	963.7
10°	1096.9	1078.1	1053.2	1017.8	980.3	959.5	932.4	911.6	911.6	905.4	909.5
12.5°	1105.2	1080.2	1030.3	992.8	959.5	913.7	880.4	859.6	857.5	863.8	863.8
15°	1126.0	1088.5	1024.0	978.2	924.1	878.3	845.0	822.1	828.4	815.9	818.0
17.5°	1151.0	1094.8	1024.0	944.9	884.6	840.9	795.1	768.0	770.1	772.2	774.3
20°	1182.2	1111.4	1013.6	920.0	847.1	784.7	732.6	711.8	705.6	709.7	711.8
22.5°	1230.1	1148.9	1009.4	907.5	795.1	734.7	688.9	647.3	643.1	643.1	643.1
25°	1309.2	1205.1	1028.2	865.8	768.0	676.4	624.4	584.9	566.1	568.2	570.3
27.5°	1429.9	1294.6	1046.9	867.9	705.6	624.4	559.9	516.2	505.8	507.8	509.9
30°	1556.8	1415.3	1094.8	826.3	670.2	545.3	478.7	447.5	435.0	428.8	430.8
32.5°	1654.7	1521.5	1161.4	813.8	605.7	460.0	418.3	393.4	376.7	370.5	370.5
35°	1810.8	1625.5	1215.5	782.6	539.1	405.9	372.6	345.5	337.2	333.0	333.0
37.5°	1944.0	1740.0	1271.7	770.1	457.9	364.2	322.6	306.0	306.0	301.8	299.7
40°	2087.6	1860.7	1302.9	732.6	395.5	320.5	278.9	276.8	283.1	283.1	283.1
42.5°	2260.3	1985.6	1336.2	688.9	347.6	270.6	247.7	264.3	278.9	283.1	283.1
45°	2389.4	2064.7	1350.8	595.3	299.7	235.2	243.5	260.2	278.9	285.1	283.1
47.5°	2499.7	2179.2	1330.0	480.8	258.1	228.9	239.4	253.9	276.8	285.1	285.1
50°	2610.0	2277.0	1315.4	347.6	241.4	228.9	239.4	245.6	270.6	281.0	281.0
52.5°	2772.3	2354.0	1257.1	291.4	228.9	231.0	243.5	243.5	266.4	278.9	285.1
55°	2980.5	2530.9	1146.8	272.7	224.8	228.9	245.6	245.6	262.2	274.7	278.9
57.5°	3065.8	2593.3	957.4	256.0	220.6	228.9	239.4	243.5	264.3	272.7	270.6
60°	3178.2	2695.3	784.7	239.4	212.3	224.8	231.0	245.6	262.2	264.3	262.2
62.5°	3238.6	2707.8	649.4	222.7	206.1	218.5	220.6	237.3	253.9	260.2	262.2
65°	3271.9	2695.3	480.8	206.1	199.8	210.2	212.3	226.9	243.5	247.7	249.8
67.5°	3151.1	2610.0	333.0	189.4	193.6	199.8	204.0	218.5	231.0	243.5	247.7
70°	2934.7	2362.3	237.3	168.6	183.2	189.4	197.7	212.3	224.8	241.4	245.6
72.5°	2695.3	1902.3	174.8	143.6	168.6	176.9	191.5	201.9	220.6	241.4	247.7
75°	2470.5	1669.2	139.4	122.8	143.6	162.3	181.1	195.6	222.7	295.5	306.0
77.5°	1752.5	1128.1	124.9	108.2	122.8	141.5	166.5	191.5	310.1	351.7	353.8
80°	1271.7	663.9	112.4	95.7	106.1	114.5	151.9	235.2	343.4	324.7	324.7
82.5°	636.9	355.9	106.1	85.3	91.6	93.7	135.3	299.7	276.8	289.3	291.4
85°	308.0	172.8	87.4	74.9	79.1	77.0	127.0	285.1	262.2	264.3	260.2
87.5°	193.6	106.1	68.7	62.4	64.5	62.4	120.7	272.7	274.7	224.8	228.9
90°	174.8	124.9	54.1	50.0	43.7	52.0	108.2	253.9	268.5	162.3	135.3
92.5°	168.6	135.3	39.5	35.4	31.2	41.6	81.2	206.1	164.4	68.7	41.6
95°	149.9	118.6	33.3	25.0	29.1	35.4	52.0	137.4	110.3	0.0	0.0
97.5°	112.4	87.4	27.1	16.7	93.7	31.2	29.1	89.5	31.2	0.0	0.0
100°	70.8	54.1	20.8	12.5	106.1	20.8	18.7	52.0	0.0	0.0	0.0
102.5°	39.5	29.1	10.4	8.3	45.8	10.4	12.5	12.5	0.0	0.0	0.0
105°	16.7	14.6	4.2	4.2	4.2	2.1	6.2	0.0	0.0	0.0	0.0
107.5°	4.2	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	4.2	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)