

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: P691219

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691219
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-C015-STLD-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: 4962.9 lumens
Efficiency: N/A
Efficacy: 151.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

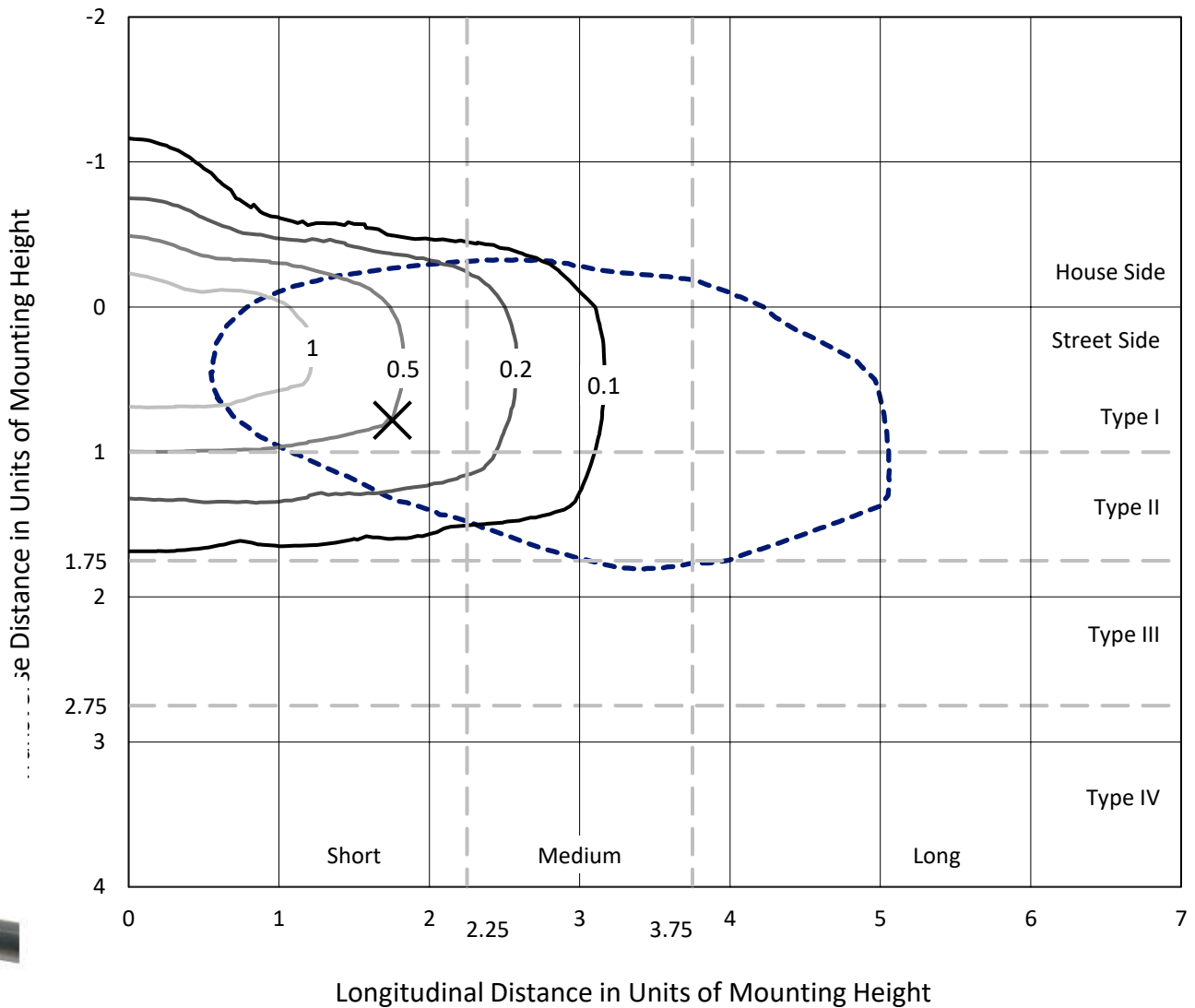
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

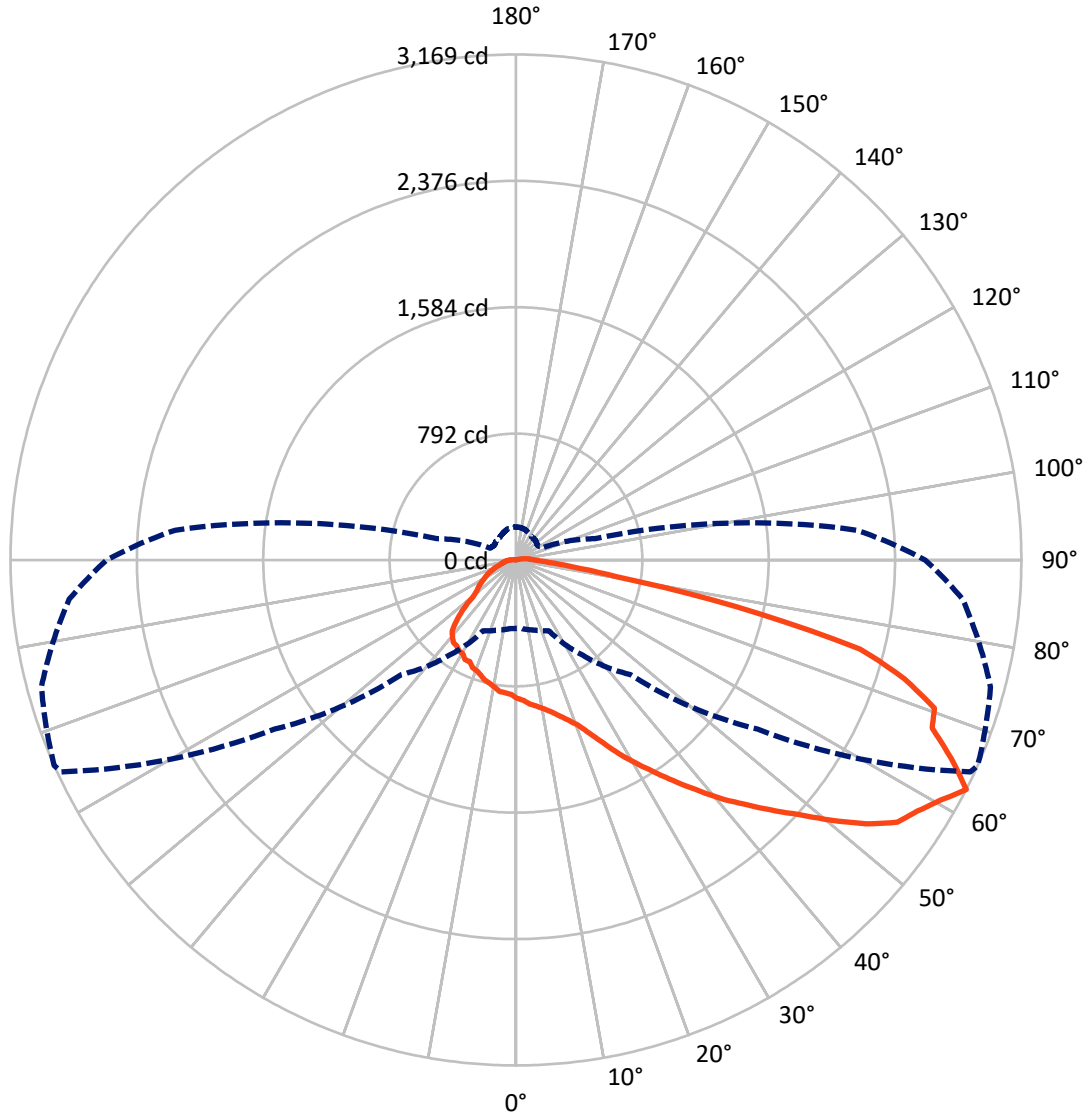
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 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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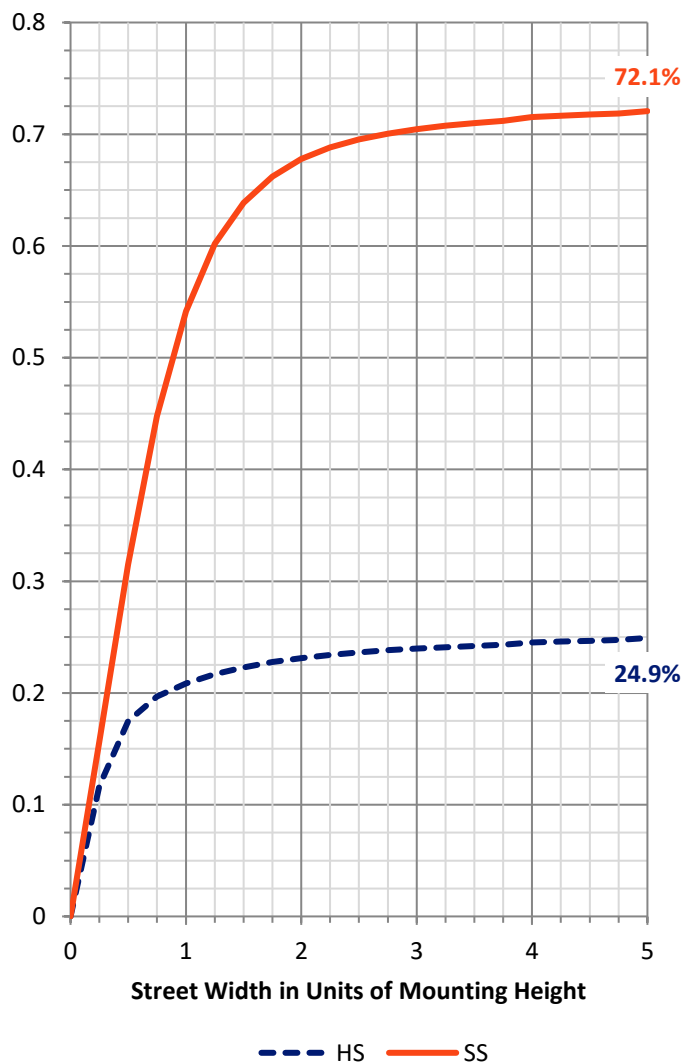
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1291.8	35.6	1327.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3600.2	35.3	3635.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	4892.0	70.9	4962.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	83.4	1.7
10°-20°	249.5	5.0
20°-30°	422.3	8.5
30°-40°	617.8	12.4
40°-50°	807.5	16.3
50°-60°	939.6	18.9
60°-70°	940.0	18.9
70°-80°	648.6	13.1
80°-90°	183.3	3.7
90°-100°	60.4	1.2
100°-110°	8.3	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4892.0	98.6
0°-180°	4962.9	100.0

Coefficient of Utilization

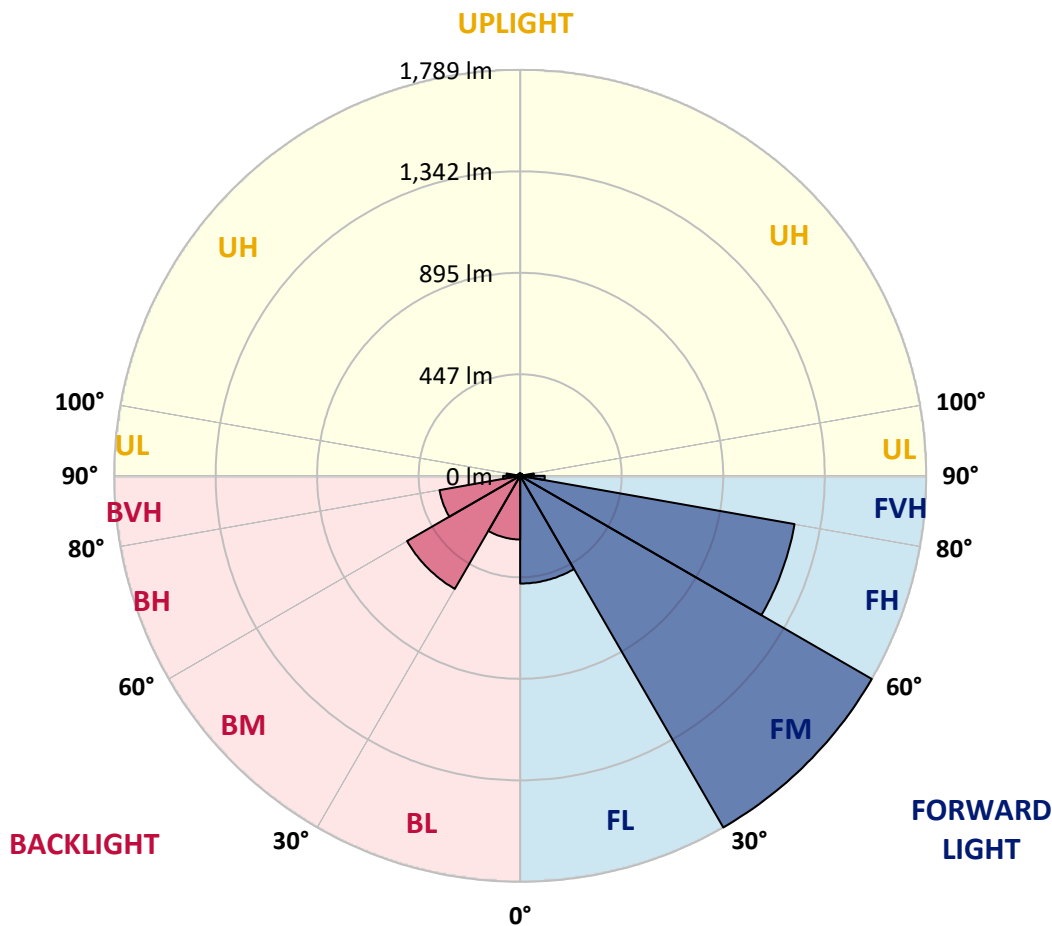


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.8	9.6			
FM (30°-60°)	1789.3	36.1			
FH (60°-80°)	1227.8	24.7			G1/1800
FVH (80°-90°)	108.3	2.2			G2/225
BL (0°-30°)	280.4	5.6	B1/500		
BM (30°-60°)	575.6	11.6	B1/1000		
BH (60°-80°)	360.8	7.3	B1/500		G1/500
BVH (80°-90°)	75.1	1.5			G1/100
UL (90°-100°)	60.4	1.2		U3/500	
UH (100°-180°)	10.5	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°	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1
2.5°	911.6	910.0	910.0	901.7	893.5	891.9	886.9	880.3	880.3	875.4	867.1
5°	966.0	964.4	966.0	954.5	943.0	933.1	916.6	908.3	906.7	895.1	878.7
7.5°	1004.0	1002.3	1000.7	990.8	985.8	975.9	952.8	928.1	924.8	913.3	891.9
10°	1018.8	1020.4	1028.7	1012.2	1002.3	994.1	980.9	951.2	947.9	921.5	888.6
12.5°	1058.4	1060.0	1055.1	1035.3	1032.0	1025.4	1004.0	979.2	975.9	943.0	896.8
15°	1099.6	1099.6	1093.0	1081.4	1073.2	1066.6	1040.2	1013.8	1012.2	972.6	918.2
17.5°	1117.7	1121.0	1122.6	1107.8	1104.5	1102.9	1089.7	1056.7	1053.4	1015.5	947.9
20°	1129.2	1130.9	1132.5	1130.9	1132.5	1130.9	1137.5	1111.1	1102.9	1063.3	980.9
22.5°	1152.3	1155.6	1167.2	1167.2	1172.1	1183.6	1178.7	1182.0	1178.7	1130.9	1036.9
25°	1163.9	1168.8	1183.6	1201.8	1223.2	1236.4	1254.5	1267.7	1269.4	1226.5	1122.6
27.5°	1145.7	1157.3	1195.2	1223.2	1272.7	1307.3	1350.1	1371.6	1374.9	1333.7	1215.0
30°	1168.8	1168.8	1191.9	1231.4	1292.4	1373.2	1439.2	1472.1	1475.4	1444.1	1307.3
32.5°	1125.9	1135.8	1188.6	1264.4	1351.8	1444.1	1508.4	1572.7	1580.9	1571.0	1439.2
35°	1121.0	1125.9	1158.9	1238.0	1355.1	1510.1	1599.1	1683.1	1699.6	1702.9	1566.1
37.5°	1074.8	1081.4	1142.4	1241.3	1401.2	1556.2	1670.0	1808.4	1823.3	1846.3	1676.6
40°	1017.1	1027.0	1076.5	1186.9	1388.1	1610.6	1745.8	1940.3	1961.7	1989.8	1821.6
42.5°	941.3	959.4	1043.5	1162.2	1381.5	1628.7	1818.3	2072.2	2092.0	2121.7	1943.6
45°	877.0	882.0	949.6	1073.2	1328.7	1653.5	1885.9	2220.6	2233.8	2248.6	2042.5
47.5°	819.3	829.2	886.9	1002.3	1272.7	1648.5	1945.3	2360.7	2383.8	2428.3	2162.9
50°	647.9	671.0	834.2	941.3	1186.9	1633.7	1994.7	2525.5	2563.5	2579.9	2299.7
52.5°	560.5	567.1	649.5	882.0	1091.3	1584.2	2037.6	2705.2	2748.1	2710.2	2464.5
55°	517.6	524.2	562.1	761.6	1017.1	1483.7	2070.5	2875.0	2901.4	2812.4	2586.5
57.5°	494.6	499.5	519.3	616.5	926.5	1323.8	2073.8	2959.1	2969.0	2893.2	2649.2
60°	455.0	459.9	494.6	537.4	825.9	1154.0	2016.1	3006.9	3058.0	2992.1	2769.5
62.5°	428.6	431.9	455.0	489.6	728.6	1015.5	1848.0	3143.7	3168.5	3079.4	2810.7
65°	395.6	398.9	420.4	451.7	666.0	938.0	1775.5	3087.7	2997.0	3058.0	2865.1
67.5°	357.7	362.7	382.5	408.8	562.1	862.2	1566.1	2878.3	2814.0	2949.2	2723.4
70°	323.1	326.4	347.8	362.7	461.6	763.3	1300.7	2715.1	2782.7	2781.1	2594.8
72.5°	285.2	288.5	306.6	319.8	385.8	646.2	1032.0	2527.2	2547.0	2476.1	2296.4
75°	245.6	247.3	263.8	277.0	316.5	517.6	753.4	2090.3	2227.2	2367.3	1986.5
77.5°	197.8	202.8	216.0	222.6	253.9	413.8	491.3	1238.0	1414.4	2082.1	1775.5
80°	148.4	148.4	158.3	161.6	187.9	308.3	309.9	596.8	641.3	1323.8	1318.8
82.5°	94.0	98.9	108.8	107.2	126.9	176.4	196.2	331.4	356.1	524.2	585.2
85°	75.8	77.5	84.1	79.1	84.1	95.6	110.5	209.4	217.6	319.8	318.2
87.5°	62.6	64.3	69.2	65.9	67.6	72.5	85.7	140.1	143.4	206.1	212.7
90°	47.8	49.5	56.0	54.4	52.8	59.3	70.9	107.2	112.1	163.2	174.7
92.5°	31.3	31.3	36.3	36.3	36.3	42.9	62.6	82.4	85.7	148.4	156.6
95°	23.1	23.1	24.7	26.4	24.7	31.3	46.2	74.2	80.8	138.5	135.2
97.5°	14.8	14.8	16.5	18.1	16.5	19.8	26.4	52.8	59.3	107.2	105.5
100°	9.9	9.9	9.9	9.9	9.9	9.9	14.8	34.6	39.6	67.6	65.9
102.5°	6.6	6.6	6.6	6.6	4.9	4.9	6.6	16.5	18.1	36.3	34.6
105°	1.6	1.6	3.3	3.3	3.3	1.6	1.6	6.6	8.2	14.8	14.8
107.5°	0.0	0.0	0.0	1.6	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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	1.6
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	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6	0.0	0.0	0.0	0.0	0.0	0.0	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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	1.6	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	1.6	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°	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1	867.1
2.5°	863.8	858.9	850.6	842.4	837.5	832.5	824.3	817.7	817.7	825.9	825.9
5°	867.1	857.2	840.7	834.2	825.9	814.4	801.2	791.3	786.3	792.9	794.6
7.5°	875.4	860.5	844.0	829.2	801.2	779.8	768.2	755.0	753.4	760.0	763.3
10°	868.8	853.9	834.2	806.1	776.5	760.0	738.5	722.1	722.1	717.1	720.4
12.5°	875.4	855.6	816.0	786.3	760.0	723.7	697.3	680.8	679.2	684.1	684.1
15°	891.9	862.2	811.1	774.8	731.9	695.7	669.3	651.2	656.1	646.2	647.9
17.5°	911.6	867.1	811.1	748.4	700.6	666.0	629.7	608.3	610.0	611.6	613.3
20°	936.4	880.3	802.8	728.6	671.0	621.5	580.3	563.8	558.9	562.1	563.8
22.5°	974.3	910.0	799.5	718.8	629.7	581.9	545.7	512.7	509.4	509.4	509.4
25°	1036.9	954.5	814.4	685.8	608.3	535.8	494.6	463.2	448.4	450.0	451.7
27.5°	1132.5	1025.4	829.2	687.4	558.9	494.6	443.5	408.8	400.6	402.2	403.9
30°	1233.1	1121.0	867.1	654.5	530.8	431.9	379.2	354.4	344.5	339.6	341.2
32.5°	1310.6	1205.1	919.9	644.6	479.7	364.3	331.4	311.6	298.4	293.4	293.4
35°	1434.2	1287.5	962.7	619.8	427.0	321.5	295.1	273.7	267.1	263.8	263.8
37.5°	1539.7	1378.2	1007.2	610.0	362.7	288.5	255.5	242.3	242.3	239.0	237.4
40°	1653.5	1473.8	1032.0	580.3	313.2	253.9	220.9	219.3	224.2	224.2	224.2
42.5°	1790.3	1572.7	1058.4	545.7	275.3	214.3	196.2	209.4	220.9	224.2	224.2
45°	1892.5	1635.3	1069.9	471.5	237.4	186.3	192.9	206.1	220.9	225.8	224.2
47.5°	1979.9	1726.0	1053.4	380.8	204.4	181.3	189.6	201.1	219.3	225.8	225.8
50°	2067.3	1803.5	1041.9	275.3	191.2	181.3	189.6	194.5	214.3	222.6	222.6
52.5°	2195.8	1864.5	995.7	230.8	181.3	183.0	192.9	192.9	211.0	220.9	225.8
55°	2360.7	2004.6	908.3	216.0	178.0	181.3	194.5	194.5	207.7	217.6	220.9
57.5°	2428.3	2054.1	758.3	202.8	174.7	181.3	189.6	192.9	209.4	216.0	214.3
60°	2517.3	2134.8	621.5	189.6	168.1	178.0	183.0	194.5	207.7	209.4	207.7
62.5°	2565.1	2144.7	514.3	176.4	163.2	173.1	174.7	187.9	201.1	206.1	207.7
65°	2591.5	2134.8	380.8	163.2	158.3	166.5	168.1	179.7	192.9	196.2	197.8
67.5°	2495.9	2067.3	263.8	150.0	153.3	158.3	161.6	173.1	183.0	192.9	196.2
70°	2324.4	1871.1	187.9	133.5	145.1	150.0	156.6	168.1	178.0	191.2	194.5
72.5°	2134.8	1506.8	138.5	113.7	133.5	140.1	151.7	159.9	174.7	191.2	196.2
75°	1956.8	1322.1	110.5	97.3	113.7	128.6	143.4	155.0	176.4	234.1	242.3
77.5°	1388.1	893.5	98.9	85.7	97.3	112.1	131.9	151.7	245.6	278.6	280.2
80°	1007.2	525.9	89.0	75.8	84.1	90.7	120.3	186.3	272.0	257.2	257.2
82.5°	504.4	281.9	84.1	67.6	72.5	74.2	107.2	237.4	219.3	229.1	230.8
85°	244.0	136.8	69.2	59.3	62.6	61.0	100.6	225.8	207.7	209.4	206.1
87.5°	153.3	84.1	54.4	49.5	51.1	49.5	95.6	216.0	217.6	178.0	181.3
90°	138.5	98.9	42.9	39.6	34.6	41.2	85.7	201.1	212.7	128.6	107.2
92.5°	133.5	107.2	31.3	28.0	24.7	33.0	64.3	163.2	130.2	54.4	33.0
95°	118.7	94.0	26.4	19.8	23.1	28.0	41.2	108.8	87.4	0.0	0.0
97.5°	89.0	69.2	21.4	13.2	74.2	24.7	23.1	70.9	24.7	0.0	0.0
100°	56.0	42.9	16.5	9.9	84.1	16.5	14.8	41.2	0.0	0.0	0.0
102.5°	31.3	23.1	8.2	6.6	36.3	8.2	9.9	9.9	0.0	0.0	0.0
105°	13.2	11.5	3.3	3.3	3.3	1.6	4.9	0.0	0.0	0.0	0.0
107.5°	3.3	4.9	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	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°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	3.3	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.6	1.6	1.6	1.6	1.6	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)