

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: P691563

Luminaire Tested: **CRTK2-C016-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691563
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5517 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

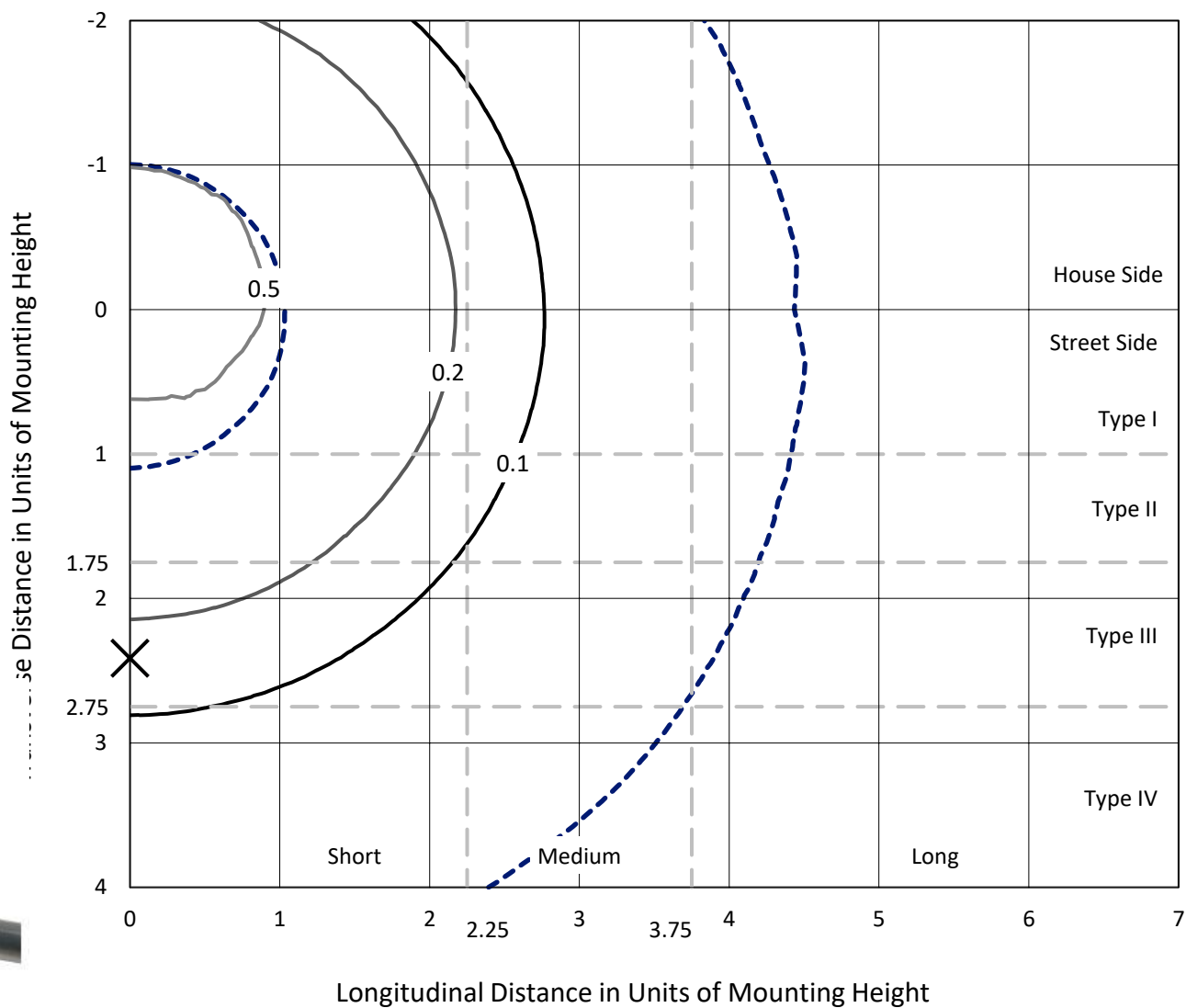
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

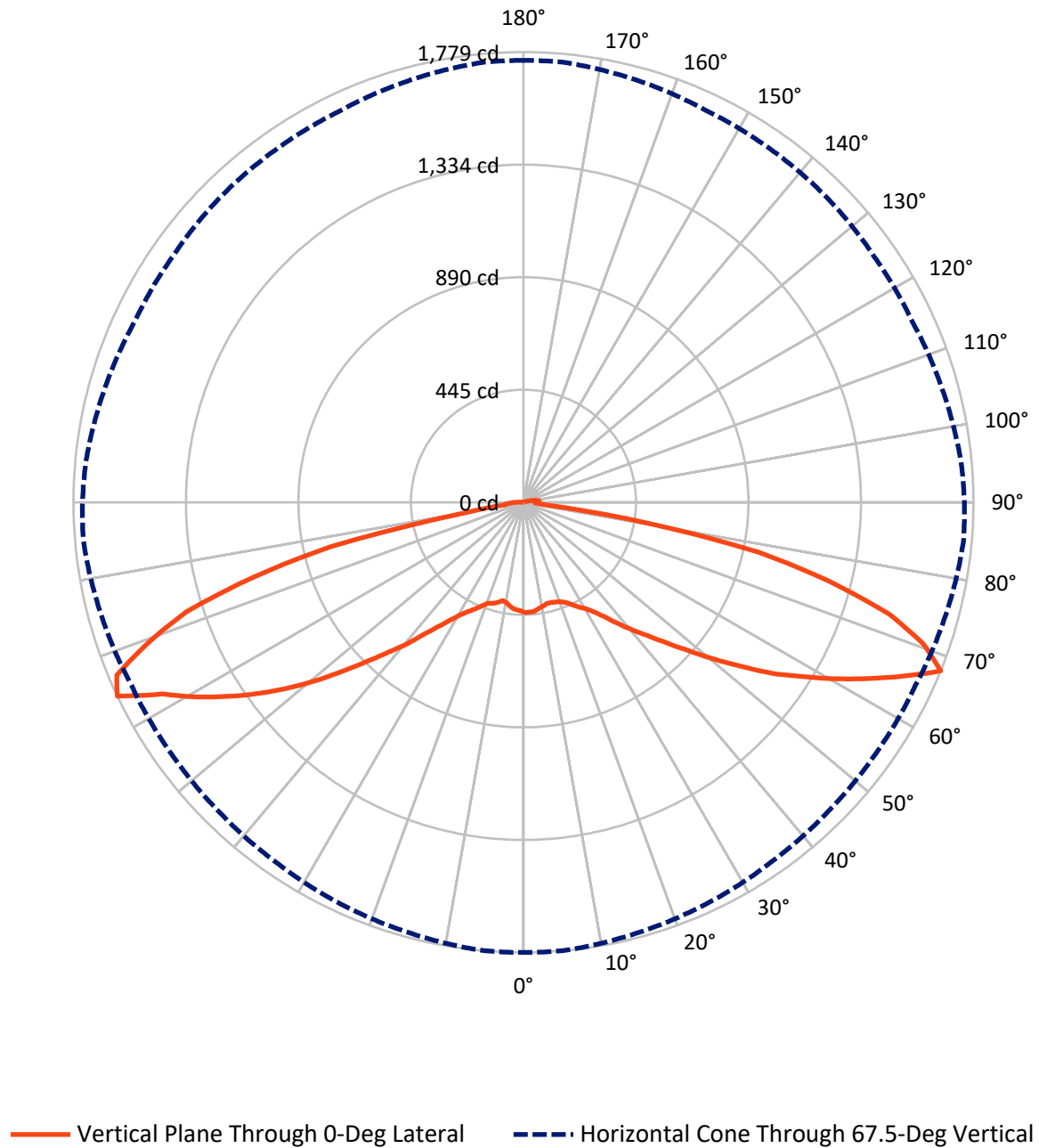
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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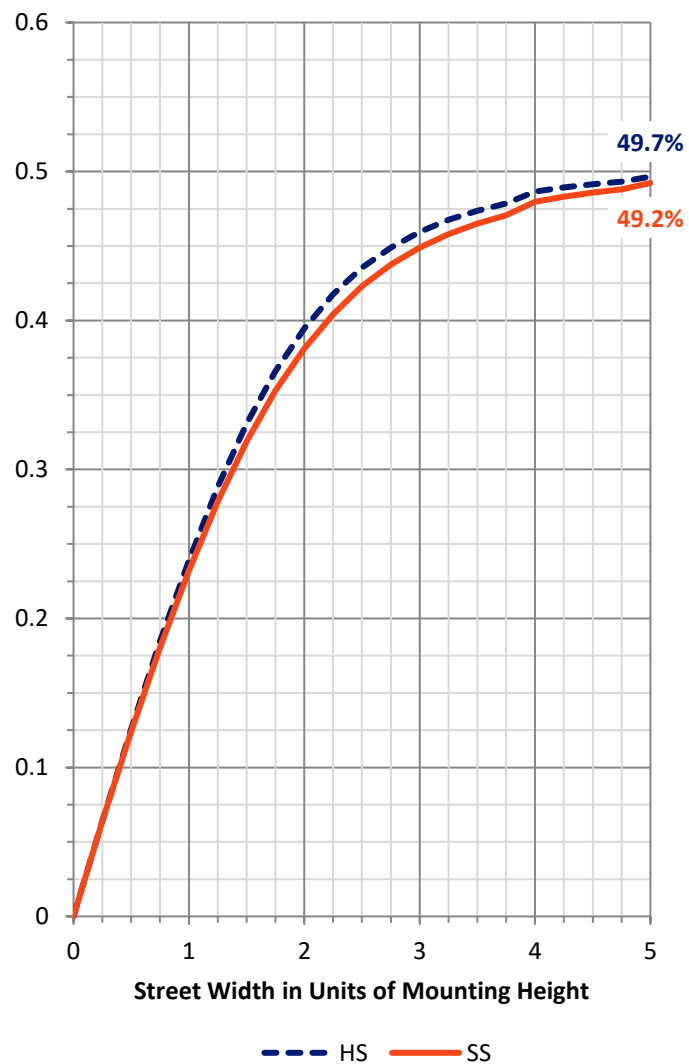
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2731.6	25.9	2757.5
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2722.9	36.6	2759.6
	% Fixture	49.4	0.7	50.0
Total	Lumens	5454.5	62.5	5517.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.7	0.7
10°-20°	120.1	2.2
20°-30°	217.0	3.9
30°-40°	374.2	6.8
40°-50°	663.9	12.0
50°-60°	1130.2	20.5
60°-70°	1619.3	29.4
70°-80°	1177.4	21.3
80°-90°	111.8	2.0
90°-100°	50.4	0.9
100°-110°	12.1	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	5454.5	98.9
0°-180°	5517.0	100.0

Coefficient of Utilization



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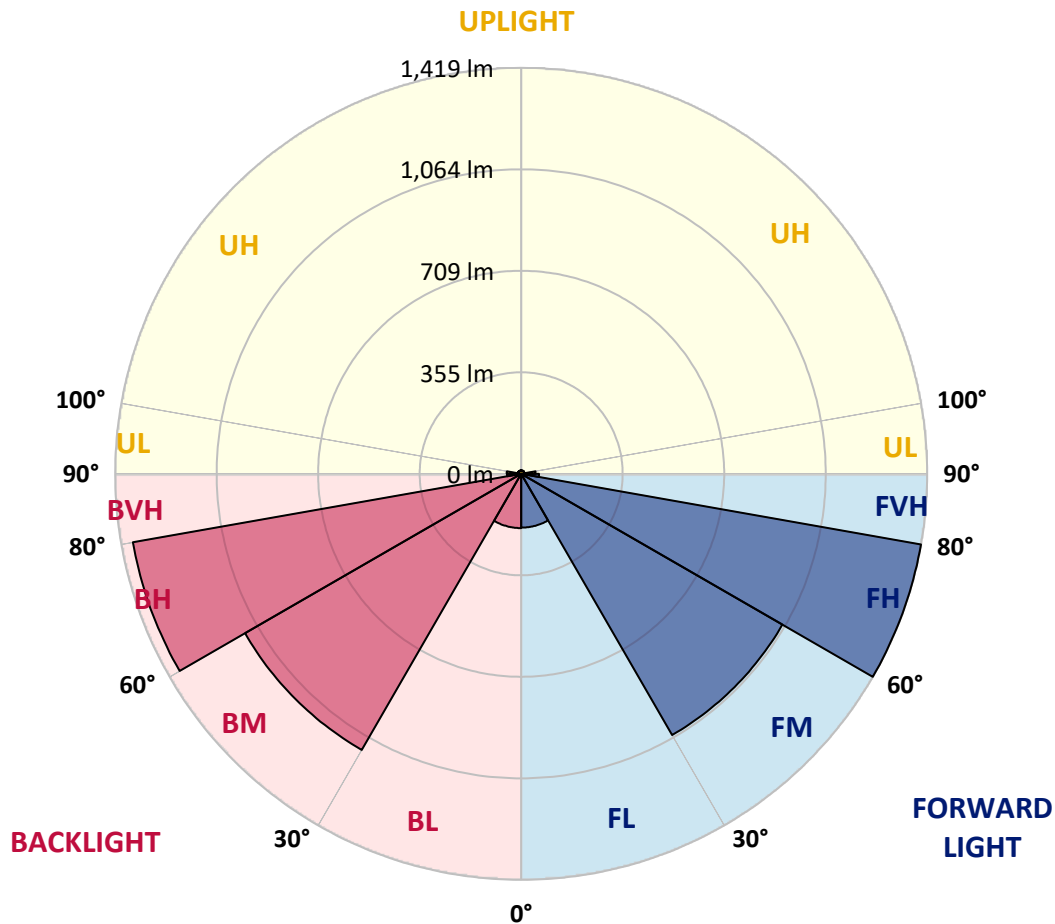
CATALOG NUMBER: CRTK2-C016-D-U-T5R-8027

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	188.0	3.4			
FM	(30°-60°)	1054.0	19.1			
FH	(60°-80°)	1418.8	25.7			G1/1800
FVH	(80°-90°)	62.1	1.1			G1/100
BL	(0°-30°)	189.8	3.4	B1/500		
BM	(30°-60°)	1114.3	20.2	B2/2500		
BH	(60°-80°)	1377.8	25.0	B3/2500		G1/1800
BVH	(80°-90°)	49.7	0.9			G1/100
UL	(90°-100°)	50.4	0.9		U3/500	
UH	(100°-180°)	12.1	0.2		U2/50	

BUG Rating: B3-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9
2.5°	434.9	434.9	434.9	434.9	434.9	434.9	433.2	429.8	429.8	429.8	429.8
5°	433.2	433.2	433.2	433.2	434.9	434.9	434.9	431.5	431.5	431.5	431.5
7.5°	424.6	424.6	426.3	426.3	428.0	429.8	428.0	428.0	428.0	429.8	429.8
10°	417.7	417.7	419.4	419.4	421.2	421.2	424.6	424.6	426.3	428.0	428.0
12.5°	410.8	410.8	412.6	416.0	417.7	419.4	421.2	422.9	426.3	428.0	428.0
15°	410.8	410.8	410.8	414.3	419.4	422.9	424.6	428.0	431.5	433.2	434.9
17.5°	414.3	414.3	414.3	417.7	421.2	426.3	431.5	433.2	436.6	440.1	440.1
20°	419.4	419.4	421.2	424.6	429.8	433.2	436.6	441.8	445.2	448.7	450.4
22.5°	429.8	431.5	431.5	433.2	438.3	443.5	446.9	450.4	455.5	459.0	462.4
25°	448.7	446.9	446.9	450.4	453.8	459.0	460.7	464.1	469.3	474.4	476.2
27.5°	469.3	467.6	467.6	471.0	474.4	477.9	479.6	484.8	489.9	495.1	496.8
30°	488.2	488.2	489.9	493.4	496.8	502.0	503.7	508.8	512.3	519.1	519.1
32.5°	517.4	519.1	520.9	522.6	526.0	531.2	536.3	538.0	541.5	546.6	550.1
35°	557.0	560.4	560.4	562.1	570.7	575.9	572.4	577.6	582.7	589.6	593.1
37.5°	608.5	606.8	612.0	618.8	620.6	625.7	624.0	627.4	634.3	642.9	648.1
40°	663.5	665.3	665.3	667.0	672.1	673.9	680.7	685.9	692.8	704.8	708.2
42.5°	720.3	723.7	727.1	728.9	737.5	739.2	744.3	751.2	759.8	768.4	771.8
45°	790.7	789.0	797.6	801.1	809.7	820.0	820.0	823.4	837.2	845.8	850.9
47.5°	875.0	878.4	883.6	888.7	902.5	904.2	912.8	917.9	926.5	935.1	936.9
50°	973.0	973.0	978.1	988.4	997.0	1005.6	1010.8	1017.7	1024.5	1038.3	1045.2
52.5°	1076.1	1077.8	1084.7	1095.0	1108.8	1110.5	1115.6	1127.7	1132.8	1136.3	1148.3
55°	1193.0	1187.8	1193.0	1208.5	1223.9	1222.2	1223.9	1237.7	1246.3	1253.2	1256.6
57.5°	1299.6	1299.6	1304.7	1316.8	1320.2	1325.4	1327.1	1339.1	1349.4	1358.0	1359.7
60°	1416.5	1414.7	1418.2	1428.5	1440.5	1440.5	1438.8	1450.8	1461.2	1462.9	1474.9
62.5°	1533.4	1528.2	1531.6	1538.5	1545.4	1538.5	1545.4	1555.7	1564.3	1571.2	1574.6
65°	1655.4	1648.5	1650.2	1643.4	1633.1	1624.5	1639.9	1669.2	1694.9	1708.7	1710.4
67.5°	1779.2	1779.2	1760.3	1743.1	1725.9	1715.6	1710.4	1710.4	1727.6	1746.5	1743.1
70°	1677.8	1681.2	1665.7	1653.7	1626.2	1617.6	1612.4	1595.2	1603.8	1609.0	1597.0
72.5°	1512.7	1493.8	1486.9	1481.8	1461.2	1445.7	1428.5	1416.5	1411.3	1414.7	1401.0
75°	1249.7	1287.5	1266.9	1256.6	1242.8	1236.0	1191.3	1177.5	1175.8	1189.6	1189.6
77.5°	950.6	971.2	957.5	962.6	942.0	938.6	921.4	905.9	893.9	890.4	856.1
80°	493.4	508.8	512.3	529.5	526.0	515.7	503.7	459.0	446.9	453.8	421.2
82.5°	89.4	92.8	94.5	96.3	89.4	92.8	94.5	86.0	91.1	89.4	86.0
85°	51.6	51.6	53.3	53.3	49.9	46.4	49.9	48.1	48.1	51.6	51.6
87.5°	44.7	46.4	48.1	48.1	43.0	39.5	43.0	43.0	44.7	46.4	46.4
90°	46.4	46.4	49.9	49.9	44.7	41.3	46.4	48.1	48.1	48.1	49.9
92.5°	61.9	60.2	61.9	61.9	56.7	53.3	60.2	60.2	60.2	60.2	61.9
95°	60.2	58.4	60.2	58.4	55.0	51.6	56.7	58.4	58.4	58.4	60.2
97.5°	51.6	51.6	51.6	51.6	46.4	44.7	51.6	51.6	49.9	49.9	51.6
100°	39.5	37.8	37.8	37.8	36.1	36.1	39.5	37.8	36.1	37.8	39.5
102.5°	25.8	25.8	25.8	25.8	25.8	25.8	25.8	24.1	24.1	24.1	27.5
105°	15.5	15.5	13.8	13.8	13.8	13.8	13.8	12.0	12.0	12.0	15.5
107.5°	5.2	5.2	3.4	3.4	3.4	3.4	3.4	1.7	1.7	1.7	5.2
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°	75°	85°	90°
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	0.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	0.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9	434.9
2.5°	431.5	431.5	433.2	431.5	431.5	429.8	428.0	426.3	428.0	428.0
5°	431.5	433.2	431.5	429.8	428.0	426.3	426.3	422.9	422.9	424.6
7.5°	429.8	433.2	429.8	428.0	422.9	421.2	419.4	416.0	416.0	416.0
10°	428.0	428.0	426.3	419.4	416.0	410.8	409.1	405.7	404.0	402.2
12.5°	428.0	428.0	422.9	417.7	412.6	405.7	404.0	400.5	398.8	397.1
15°	433.2	434.9	431.5	424.6	416.0	414.3	409.1	407.4	405.7	409.1
17.5°	441.8	440.1	436.6	429.8	424.6	422.9	416.0	416.0	414.3	417.7
20°	450.4	446.9	443.5	440.1	433.2	429.8	429.8	424.6	426.3	422.9
22.5°	460.7	462.4	457.3	452.1	446.9	445.2	443.5	443.5	441.8	441.8
25°	477.9	477.9	474.4	469.3	465.9	462.4	460.7	462.4	459.0	464.1
27.5°	498.5	496.8	496.8	493.4	488.2	486.5	484.8	486.5	484.8	484.8
30°	519.1	522.6	519.1	517.4	514.0	514.0	512.3	512.3	514.0	512.3
32.5°	551.8	553.5	553.5	551.8	548.4	546.6	546.6	548.4	551.8	550.1
35°	594.8	596.5	599.9	603.4	603.4	599.9	596.5	594.8	596.5	596.5
37.5°	651.5	653.2	656.7	656.7	654.9	653.2	654.9	658.4	651.5	651.5
40°	710.0	708.2	711.7	715.1	716.8	715.1	713.4	716.8	720.3	725.4
42.5°	775.3	778.7	780.4	787.3	790.7	790.7	789.0	794.2	795.9	795.9
45°	852.6	861.2	857.8	869.8	880.1	881.9	876.7	880.1	876.7	880.1
47.5°	942.0	948.9	955.8	966.1	971.2	974.7	973.0	976.4	979.8	979.8
50°	1043.4	1048.6	1060.6	1074.4	1083.0	1083.0	1076.1	1083.0	1089.9	1088.1
52.5°	1150.0	1160.3	1172.4	1184.4	1191.3	1193.0	1193.0	1198.1	1196.4	1196.4
55°	1261.8	1270.3	1285.8	1292.7	1301.3	1304.7	1304.7	1306.4	1304.7	1304.7
57.5°	1368.3	1378.6	1390.7	1404.4	1413.0	1416.5	1413.0	1413.0	1413.0	1409.6
60°	1478.3	1485.2	1497.3	1507.6	1512.7	1519.6	1519.6	1517.9	1516.2	1514.4
62.5°	1579.8	1583.2	1586.6	1588.4	1593.5	1607.3	1607.3	1615.9	1615.9	1614.1
65°	1712.1	1696.7	1682.9	1686.3	1698.4	1710.4	1720.7	1755.1	1772.3	1779.2
67.5°	1737.9	1715.6	1694.9	1693.2	1700.1	1703.5	1708.7	1727.6	1746.5	1746.5
70°	1586.6	1572.9	1554.0	1562.6	1567.7	1562.6	1569.5	1581.5	1598.7	1583.2
72.5°	1390.7	1368.3	1382.1	1390.7	1382.1	1375.2	1378.6	1376.9	1389.0	1401.0
75°	1174.1	1127.7	1127.7	1127.7	1131.1	1115.6	1115.6	1117.4	1139.7	1108.8
77.5°	869.8	837.2	828.6	794.2	790.7	770.1	783.9	775.3	795.9	783.9
80°	405.7	391.9	386.8	352.4	345.5	290.5	311.1	276.8	287.1	257.9
82.5°	84.2	82.5	80.8	72.2	65.3	56.7	67.0	75.6	77.4	75.6
85°	53.3	55.0	55.0	51.6	48.1	43.0	51.6	63.6	67.0	67.0
87.5°	46.4	48.1	48.1	46.4	43.0	37.8	43.0	48.1	49.9	48.1
90°	49.9	51.6	49.9	48.1	44.7	39.5	44.7	46.4	37.8	39.5
92.5°	60.2	60.2	58.4	58.4	56.7	49.9	55.0	44.7	17.2	5.2
95°	58.4	56.7	56.7	55.0	53.3	44.7	44.7	12.0	0.0	0.0
97.5°	49.9	46.4	46.4	44.7	44.7	37.8	27.5	0.0	0.0	0.0
100°	37.8	32.7	32.7	30.9	30.9	25.8	10.3	0.0	0.0	0.0
102.5°	25.8	20.6	18.9	17.2	17.2	15.5	1.7	0.0	0.0	0.0
105°	13.8	8.6	6.9	5.2	5.2	3.4	0.0	0.0	0.0	0.0
107.5°	5.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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	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

(END OF REPORT)