

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: P691365

Luminaire Tested: **CRTK2-C015-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691365
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-C015-D-U-T5R-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4703 lumens
Efficiency: N/A
Efficacy: 157.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G1

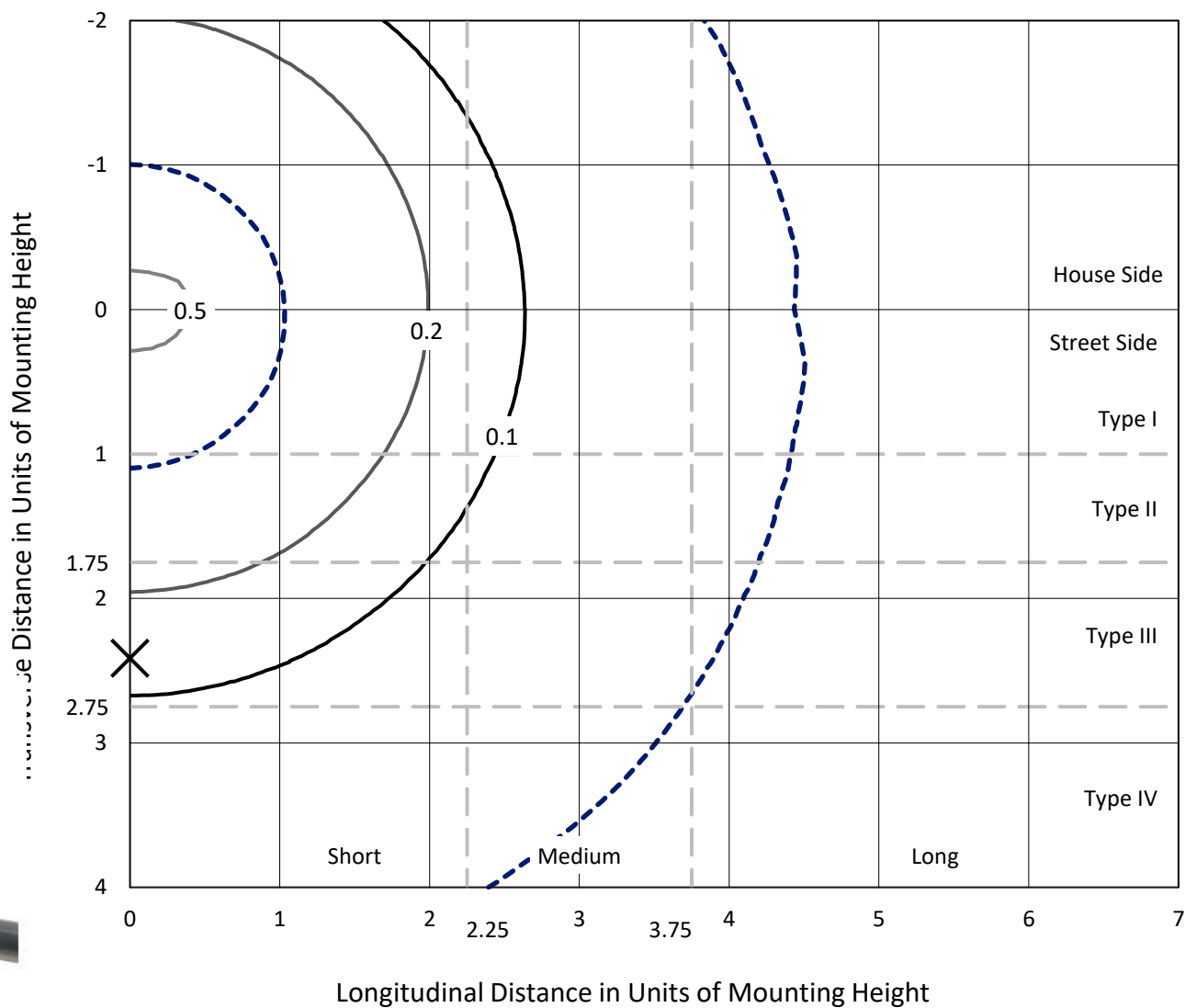
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

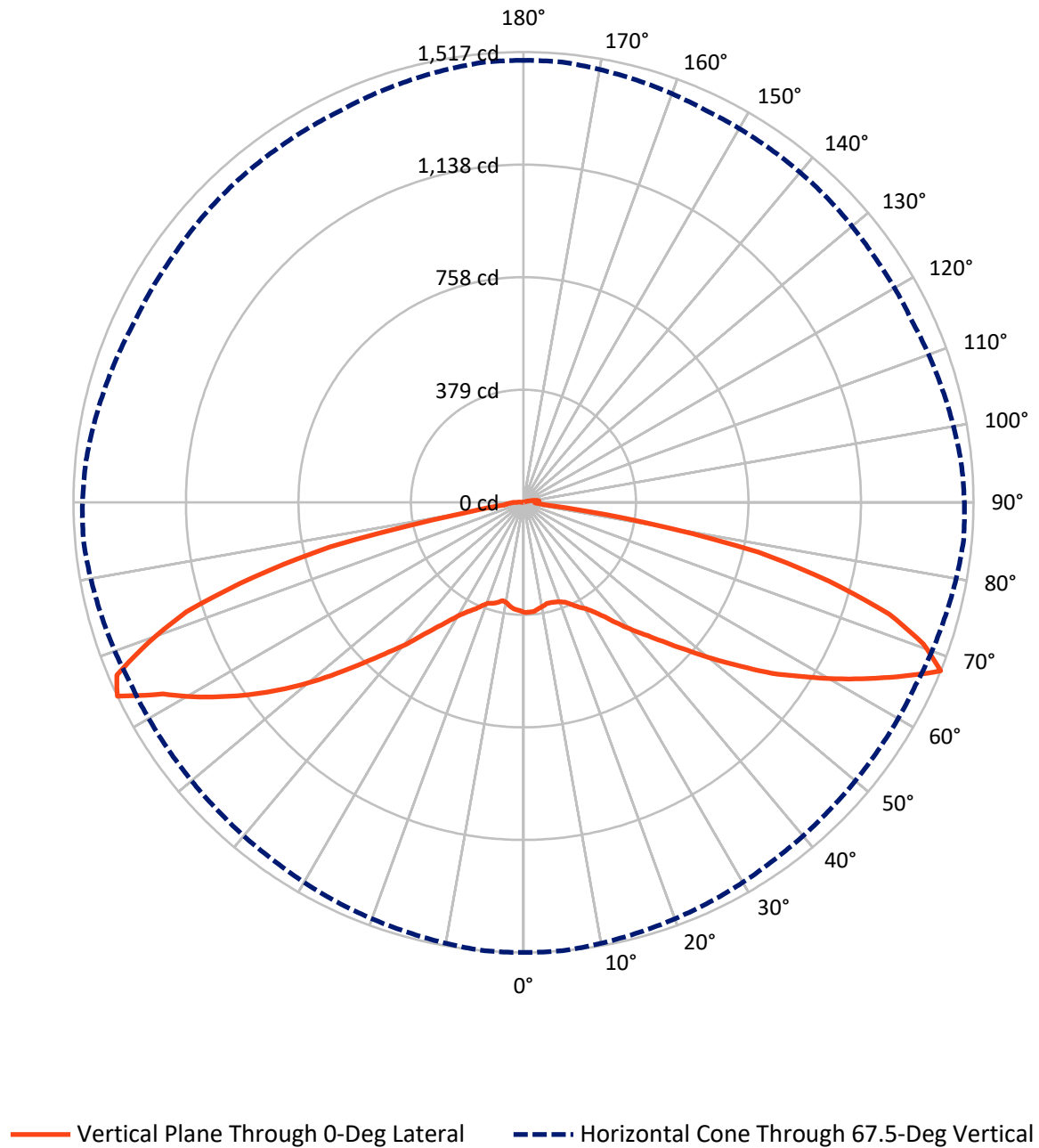
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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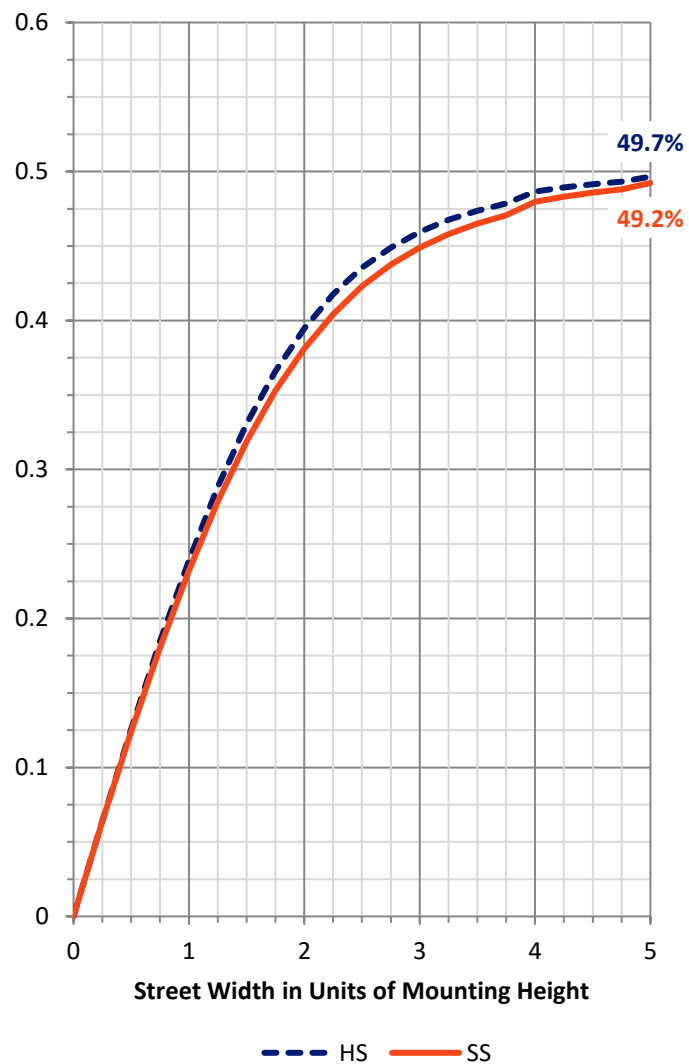
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2328.5	22.1	2350.6
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2321.2	31.2	2352.4
	% Fixture	49.4	0.7	50.0
Total	Lumens	4649.7	53.3	4703.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	34.7	0.7
10°-20°	102.3	2.2
20°-30°	185.0	3.9
30°-40°	319.0	6.8
40°-50°	565.9	12.0
50°-60°	963.4	20.5
60°-70°	1380.3	29.4
70°-80°	1003.6	21.3
80°-90°	95.3	2.0
90°-100°	43.0	0.9
100°-110°	10.3	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°	4649.7	98.9
0°-180°	4703.0	100.0

Coefficient of Utilization



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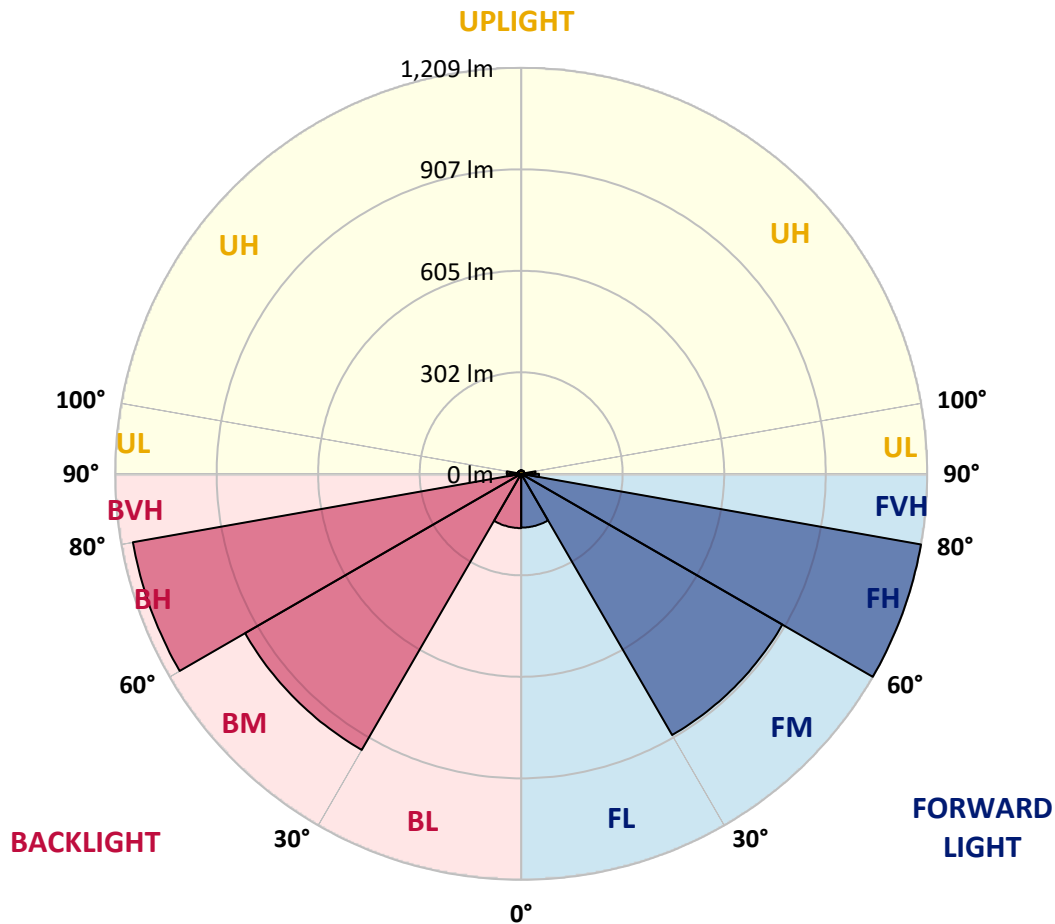
CATALOG NUMBER: CRTK2-C015-D-U-T5R-7040

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	160.3	3.4			
FM	(30°-60°)	898.5	19.1			
FH	(60°-80°)	1209.5	25.7			G1/1800
FVH	(80°-90°)	52.9	1.1			G1/100
BL	(0°-30°)	161.8	3.4	B1/500		
BM	(30°-60°)	949.9	20.2	B1/1000		
BH	(60°-80°)	1174.5	25.0	B3/2500		G1/1800
BVH	(80°-90°)	42.4	0.9			G1/100
UL	(90°-100°)	43.0	0.9		U2/50	
UH	(100°-180°)	10.3	0.2		U2/50	

BUG Rating: B3-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7
2.5°	370.7	370.7	370.7	370.7	370.7	370.7	369.3	366.3	366.3	366.3	366.3
5°	369.3	369.3	369.3	369.3	370.7	370.7	370.7	367.8	367.8	367.8	367.8
7.5°	361.9	361.9	363.4	363.4	364.9	366.3	364.9	364.9	364.9	366.3	366.3
10°	356.1	356.1	357.6	357.6	359.0	359.0	361.9	361.9	363.4	364.9	364.9
12.5°	350.2	350.2	351.7	354.6	356.1	357.6	359.0	360.5	363.4	364.9	364.9
15°	350.2	350.2	350.2	353.2	357.6	360.5	361.9	364.9	367.8	369.3	370.7
17.5°	353.2	353.2	353.2	356.1	359.0	363.4	367.8	369.3	372.2	375.1	375.1
20°	357.6	357.6	359.0	361.9	366.3	369.3	372.2	376.6	379.5	382.5	383.9
22.5°	366.3	367.8	367.8	369.3	373.7	378.1	381.0	383.9	388.3	391.3	394.2
25°	382.5	381.0	381.0	383.9	386.9	391.3	392.7	395.7	400.0	404.4	405.9
27.5°	400.0	398.6	398.6	401.5	404.4	407.4	408.8	413.2	417.6	422.0	423.5
30°	416.2	416.2	417.6	420.6	423.5	427.9	429.4	433.8	436.7	442.5	442.5
32.5°	441.1	442.5	444.0	445.5	448.4	452.8	457.2	458.7	461.6	466.0	468.9
35°	474.8	477.7	477.7	479.2	486.5	490.9	488.0	492.4	496.8	502.6	505.6
37.5°	518.7	517.3	521.7	527.5	529.0	533.4	531.9	534.9	540.7	548.1	552.4
40°	565.6	567.1	567.1	568.6	573.0	574.4	580.3	584.7	590.5	600.8	603.7
42.5°	614.0	616.9	619.9	621.3	628.6	630.1	634.5	640.4	647.7	655.0	658.0
45°	674.1	672.6	679.9	682.9	690.2	699.0	699.0	701.9	713.6	721.0	725.4
47.5°	745.9	748.8	753.2	757.6	769.3	770.8	778.1	782.5	789.8	797.2	798.6
50°	829.4	829.4	833.8	842.6	849.9	857.2	861.6	867.5	873.4	885.1	890.9
52.5°	917.3	918.8	924.7	933.4	945.2	946.6	951.0	961.3	965.7	968.6	978.9
55°	1017.0	1012.6	1017.0	1030.2	1043.3	1041.9	1043.3	1055.1	1062.4	1068.3	1071.2
57.5°	1107.8	1107.8	1112.2	1122.5	1125.4	1129.8	1131.3	1141.5	1150.3	1157.6	1159.1
60°	1207.5	1206.0	1208.9	1217.7	1228.0	1228.0	1226.5	1236.8	1245.6	1247.0	1257.3
62.5°	1307.1	1302.7	1305.7	1311.5	1317.4	1311.5	1317.4	1326.2	1333.5	1339.4	1342.3
65°	1411.2	1405.3	1406.8	1400.9	1392.1	1384.8	1398.0	1422.9	1444.9	1456.6	1458.1
67.5°	1516.7	1516.7	1500.5	1485.9	1471.2	1462.4	1458.1	1458.1	1472.7	1488.8	1485.9
70°	1430.2	1433.1	1420.0	1409.7	1386.2	1378.9	1374.5	1359.9	1367.2	1371.6	1361.3
72.5°	1289.5	1273.4	1267.6	1263.2	1245.6	1232.4	1217.7	1207.5	1203.1	1206.0	1194.3
75°	1065.3	1097.6	1080.0	1071.2	1059.5	1053.6	1015.5	1003.8	1002.3	1014.0	1014.0
77.5°	810.4	827.9	816.2	820.6	803.0	800.1	785.4	772.3	762.0	759.1	729.8
80°	420.6	433.8	436.7	451.3	448.4	439.6	429.4	391.3	381.0	386.9	359.0
82.5°	76.2	79.1	80.6	82.1	76.2	79.1	80.6	73.3	77.7	76.2	73.3
85°	44.0	44.0	45.4	45.4	42.5	39.6	42.5	41.0	41.0	44.0	44.0
87.5°	38.1	39.6	41.0	41.0	36.6	33.7	36.6	36.6	38.1	39.6	39.6
90°	39.6	39.6	42.5	42.5	38.1	35.2	39.6	41.0	41.0	41.0	42.5
92.5°	52.8	51.3	52.8	52.8	48.4	45.4	51.3	51.3	51.3	51.3	52.8
95°	51.3	49.8	51.3	49.8	46.9	44.0	48.4	49.8	49.8	49.8	51.3
97.5°	44.0	44.0	44.0	44.0	39.6	38.1	44.0	44.0	42.5	42.5	44.0
100°	33.7	32.2	32.2	32.2	30.8	30.8	33.7	32.2	30.8	32.2	33.7
102.5°	22.0	22.0	22.0	22.0	22.0	22.0	22.0	20.5	20.5	20.5	23.4
105°	13.2	13.2	11.7	11.7	11.7	11.7	11.7	10.3	10.3	10.3	13.2
107.5°	4.4	4.4	2.9	2.9	2.9	2.9	2.9	1.5	1.5	1.5	4.4
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°	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7	370.7
2.5°	367.8	367.8	369.3	367.8	367.8	366.3	364.9	363.4	364.9	364.9
5°	367.8	369.3	367.8	366.3	364.9	363.4	363.4	360.5	360.5	361.9
7.5°	366.3	369.3	366.3	364.9	360.5	359.0	357.6	354.6	354.6	354.6
10°	364.9	364.9	363.4	357.6	354.6	350.2	348.8	345.8	344.4	342.9
12.5°	364.9	364.9	360.5	356.1	351.7	345.8	344.4	341.4	340.0	338.5
15°	369.3	370.7	367.8	361.9	354.6	353.2	348.8	347.3	345.8	348.8
17.5°	376.6	375.1	372.2	366.3	361.9	360.5	354.6	354.6	353.2	356.1
20°	383.9	381.0	378.1	375.1	369.3	366.3	366.3	361.9	363.4	360.5
22.5°	392.7	394.2	389.8	385.4	381.0	379.5	378.1	378.1	376.6	376.6
25°	407.4	407.4	404.4	400.0	397.1	394.2	392.7	394.2	391.3	395.7
27.5°	425.0	423.5	423.5	420.6	416.2	414.7	413.2	414.7	413.2	413.2
30°	442.5	445.5	442.5	441.1	438.1	438.1	436.7	436.7	438.1	436.7
32.5°	470.4	471.9	471.9	470.4	467.5	466.0	466.0	467.5	470.4	468.9
35°	507.0	508.5	511.4	514.3	514.3	511.4	508.5	507.0	508.5	508.5
37.5°	555.4	556.8	559.8	559.8	558.3	556.8	558.3	561.2	555.4	555.4
40°	605.2	603.7	606.7	609.6	611.1	609.6	608.1	611.1	614.0	618.4
42.5°	660.9	663.8	665.3	671.1	674.1	674.1	672.6	677.0	678.5	678.5
45°	726.8	734.2	731.2	741.5	750.3	751.7	747.3	750.3	747.3	750.3
47.5°	803.0	808.9	814.8	823.5	827.9	830.9	829.4	832.3	835.3	835.3
50°	889.5	893.9	904.1	915.9	923.2	923.2	917.3	923.2	929.0	927.6
52.5°	980.3	989.1	999.4	1009.6	1015.5	1017.0	1017.0	1021.4	1019.9	1019.9
55°	1075.6	1082.9	1096.1	1102.0	1109.3	1112.2	1112.2	1113.7	1112.2	1112.2
57.5°	1166.4	1175.2	1185.5	1197.2	1204.5	1207.5	1204.5	1204.5	1204.5	1201.6
60°	1260.2	1266.1	1276.3	1285.1	1289.5	1295.4	1295.4	1293.9	1292.5	1291.0
62.5°	1346.7	1349.6	1352.5	1354.0	1358.4	1370.1	1370.1	1377.5	1377.5	1376.0
65°	1459.5	1446.3	1434.6	1437.5	1447.8	1458.1	1466.8	1496.2	1510.8	1516.7
67.5°	1481.5	1462.4	1444.9	1443.4	1449.3	1452.2	1456.6	1472.7	1488.8	1488.8
70°	1352.5	1340.8	1324.7	1332.0	1336.4	1332.0	1337.9	1348.1	1362.8	1349.6
72.5°	1185.5	1166.4	1178.2	1185.5	1178.2	1172.3	1175.2	1173.8	1184.0	1194.3
75°	1000.9	961.3	961.3	961.3	964.2	951.0	951.0	952.5	971.5	945.2
77.5°	741.5	713.6	706.3	677.0	674.1	656.5	668.2	660.9	678.5	668.2
80°	345.8	334.1	329.7	300.4	294.5	247.6	265.2	235.9	244.7	219.8
82.5°	71.8	70.3	68.9	61.5	55.7	48.4	57.1	64.5	65.9	64.5
85°	45.4	46.9	46.9	44.0	41.0	36.6	44.0	54.2	57.1	57.1
87.5°	39.6	41.0	41.0	39.6	36.6	32.2	36.6	41.0	42.5	41.0
90°	42.5	44.0	42.5	41.0	38.1	33.7	38.1	39.6	32.2	33.7
92.5°	51.3	51.3	49.8	49.8	48.4	42.5	46.9	38.1	14.7	4.4
95°	49.8	48.4	48.4	46.9	45.4	38.1	38.1	10.3	0.0	0.0
97.5°	42.5	39.6	39.6	38.1	38.1	32.2	23.4	0.0	0.0	0.0
100°	32.2	27.8	27.8	26.4	26.4	22.0	8.8	0.0	0.0	0.0
102.5°	22.0	17.6	16.1	14.7	14.7	13.2	1.5	0.0	0.0	0.0
105°	11.7	7.3	5.9	4.4	4.4	2.9	0.0	0.0	0.0	0.0
107.5°	4.4	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)