

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: P692014

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7050-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692014
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-7050-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND UO SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7739 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

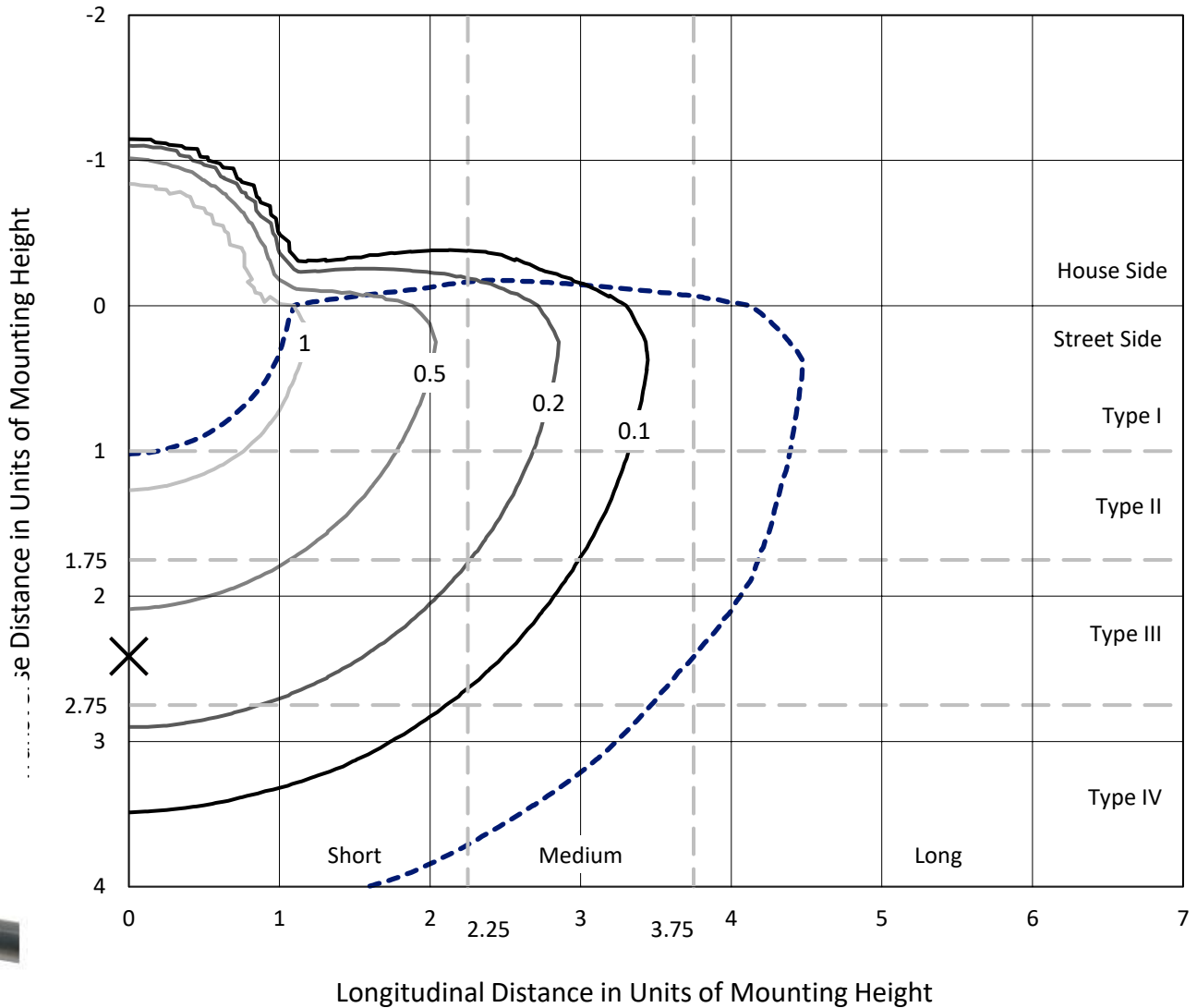
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

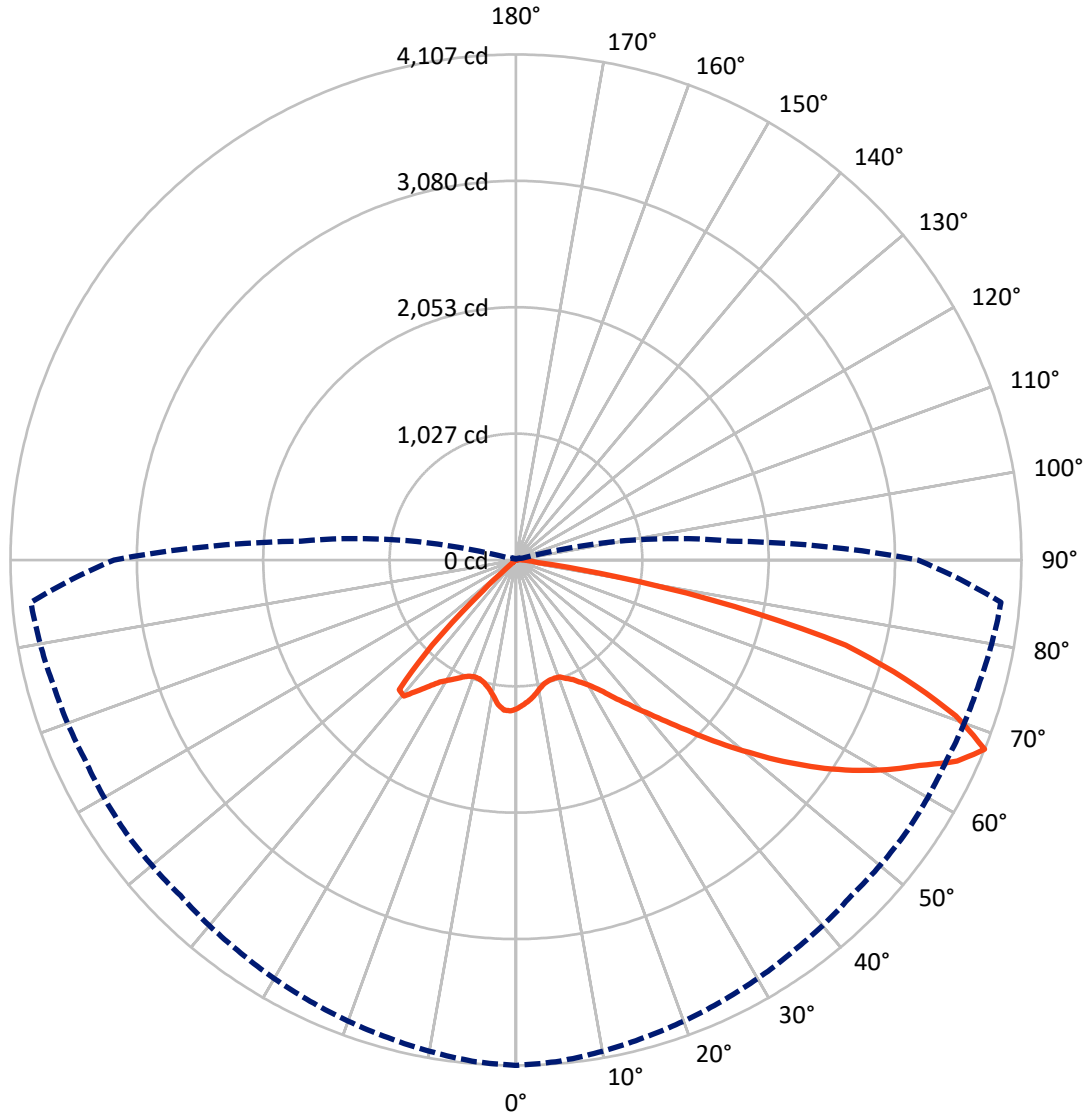
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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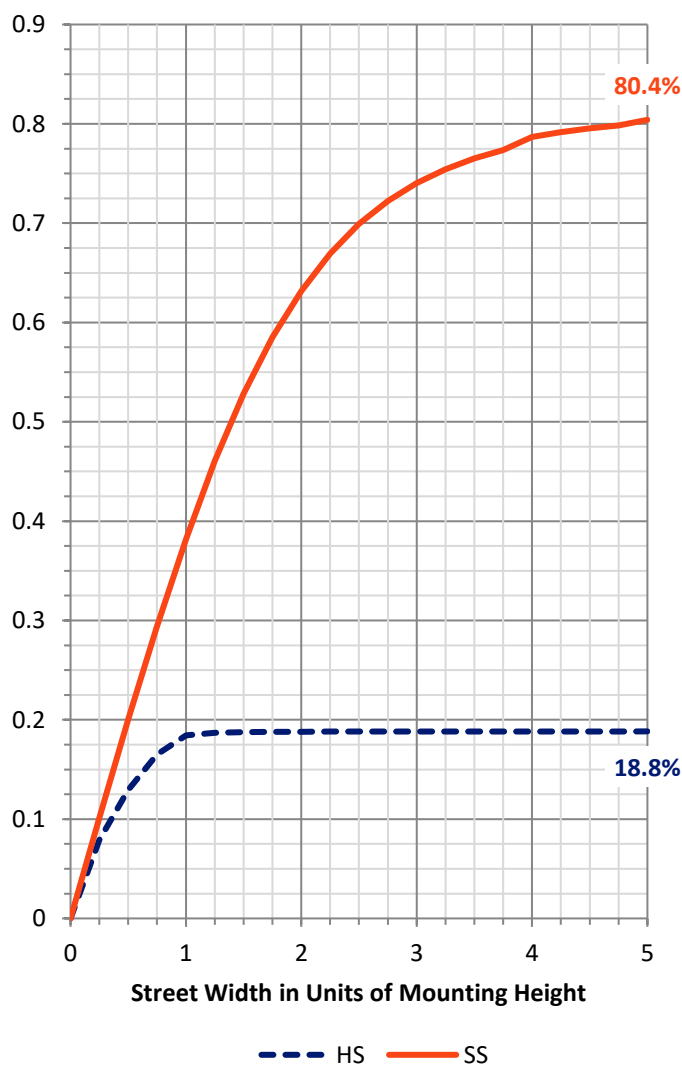
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1465.6	2.8	1468.4
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	6253.0	17.6	6270.6
	% Fixture	80.8	0.2	81.0
Total	Lumens	7718.7	20.4	7739.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	108.0	1.4
10°-20°	284.1	3.7
20°-30°	487.2	6.3
30°-40°	823.8	10.6
40°-50°	1099.2	14.2
50°-60°	1395.6	18.0
60°-70°	1954.5	25.3
70°-80°	1415.5	18.3
80°-90°	150.8	1.9
90°-100°	16.9	0.2
100°-110°	1.7	0.0
110°-120°	0.7	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7718.7	99.7
0°-180°	7739.0	100.0

Coefficient of Utilization



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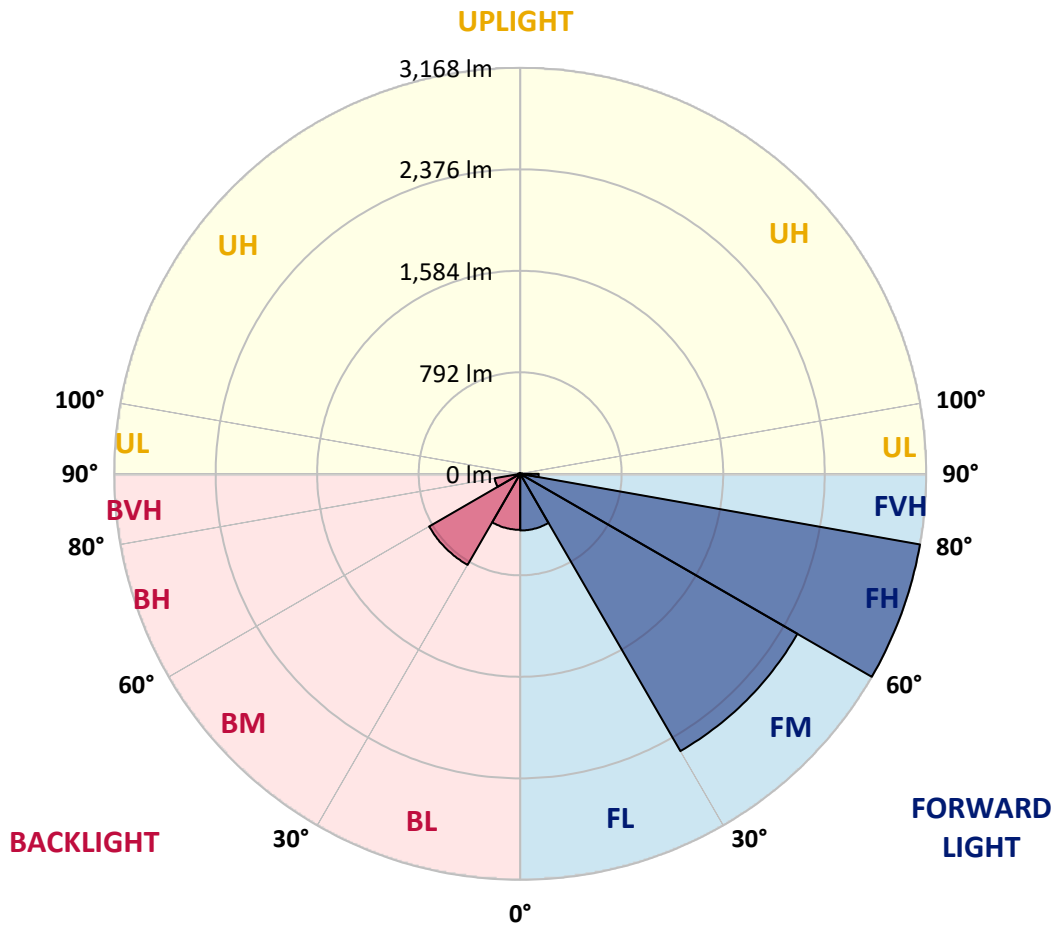
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.3	5.7			
FM (30°-60°)	2497.9	32.3			
FH (60°-80°)	3167.6	40.9			G2/5000
FVH (80°-90°)	145.2	1.9			G2/225
BL (0°-30°)	436.9	5.6	B1/500		
BM (30°-60°)	820.7	10.6	B1/1000		
BH (60°-80°)	202.4	2.6	B1/500		G1/500
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	16.9	0.2		U2/50	
UH (100°-180°)	3.4	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
2.5°	1176.6	1180.5	1180.5	1180.5	1184.3	1180.5	1180.5	1180.5	1180.5	1184.3	1184.3
5°	1145.6	1145.6	1145.6	1149.5	1149.5	1145.6	1141.8	1145.6	1145.6	1149.5	1149.5
7.5°	1106.9	1106.9	1106.9	1110.8	1106.9	1099.2	1091.4	1095.3	1091.4	1095.3	1099.2
10°	1060.5	1064.4	1064.4	1060.5	1056.6	1045.0	1033.4	1037.3	1033.4	1037.3	1037.3
12.5°	1029.5	1033.4	1033.4	1029.5	1017.9	1010.2	1002.4	994.7	990.8	998.6	994.7
15°	1014.0	1017.9	1017.9	1014.0	1006.3	998.6	983.1	979.2	971.5	967.6	971.5
17.5°	1010.2	1010.2	1010.2	1006.3	998.6	986.9	979.2	971.5	967.6	967.6	963.7
20°	1014.0	1021.8	1017.9	1014.0	1006.3	998.6	986.9	975.3	975.3	975.3	971.5
22.5°	1045.0	1045.0	1041.1	1041.1	1033.4	1021.8	1010.2	1002.4	994.7	994.7	994.7
25°	1076.0	1079.8	1079.8	1076.0	1064.4	1048.9	1045.0	1033.4	1029.5	1025.6	1021.8
27.5°	1126.3	1122.4	1126.3	1126.3	1110.8	1103.1	1091.4	1083.7	1079.8	1072.1	1068.2
30°	1184.3	1184.3	1184.3	1184.3	1172.7	1157.2	1149.5	1137.9	1126.3	1126.3	1118.5
32.5°	1261.7	1265.6	1265.6	1261.7	1250.1	1234.6	1226.9	1211.4	1207.6	1199.8	1192.1
35°	1370.1	1370.1	1370.1	1362.4	1346.9	1335.3	1327.5	1315.9	1312.1	1300.4	1281.1
37.5°	1490.1	1490.1	1497.8	1490.1	1474.6	1459.1	1447.5	1439.8	1428.2	1420.4	1408.8
40°	1629.4	1629.4	1633.3	1621.7	1606.2	1598.5	1586.9	1571.4	1563.6	1559.8	1536.5
42.5°	1792.0	1799.7	1799.7	1788.1	1776.5	1764.9	1749.4	1737.8	1730.1	1714.6	1683.6
45°	1989.4	1985.5	1993.2	1981.6	1973.9	1970.0	1946.8	1919.7	1923.6	1888.7	1853.9
47.5°	2221.6	2225.5	2221.6	2210.0	2202.2	2198.4	2175.2	2140.3	2124.8	2097.7	2031.9
50°	2457.7	2461.6	2457.7	2449.9	2457.7	2434.5	2407.4	2376.4	2372.5	2337.7	2237.1
52.5°	2717.0	2705.4	2701.5	2697.7	2689.9	2678.3	2651.2	2616.4	2620.2	2581.5	2422.9
55°	2976.3	2964.7	2945.4	2937.6	2929.9	2910.5	2887.3	2875.7	2871.8	2833.1	2620.2
57.5°	3224.0	3204.7	3177.6	3173.7	3162.1	3135.0	3123.4	3104.0	3104.0	3061.5	2763.4
60°	3460.1	3436.9	3405.9	3390.4	3371.1	3347.9	3344.0	3332.4	3336.3	3313.0	2918.3
62.5°	3676.9	3657.5	3618.8	3595.6	3564.6	3545.3	3549.1	3541.4	3556.9	3541.4	3053.7
65°	3940.0	3916.8	3870.4	3820.1	3777.5	3746.5	3734.9	3758.1	3823.9	3839.4	3235.6
67.5°	4106.5	4087.1	4017.5	3955.5	3897.5	3854.9	3866.5	3858.8	3893.6	3955.5	3266.6
70°	3793.0	3785.2	3715.6	3676.9	3634.3	3591.7	3595.6	3584.0	3611.1	3626.5	2995.7
72.5°	3309.2	3347.9	3258.9	3255.0	3227.9	3231.8	3189.2	3220.2	3200.8	3200.8	2651.2
75°	2767.3	2686.0	2658.9	2724.7	2686.0	2689.9	2682.2	2717.0	2713.1	2717.0	2306.7
77.5°	1815.2	1830.7	1795.9	1865.5	1900.4	1958.4	1985.5	2078.4	2043.6	2035.8	1826.8
80°	812.8	832.1	836.0	901.8	944.4	1002.4	983.1	1048.9	1006.3	936.6	894.1
82.5°	181.9	181.9	205.1	263.2	278.7	290.3	290.3	301.9	240.0	147.1	120.0
85°	123.9	120.0	162.6	220.6	232.2	224.5	216.7	201.3	139.3	42.6	34.8
87.5°	81.3	85.1	131.6	181.9	189.6	178.0	166.4	150.9	100.6	11.6	7.7
90°	54.2	61.9	100.6	139.3	139.3	131.6	120.0	100.6	61.9	3.9	3.9
92.5°	27.1	31.0	50.3	61.9	58.1	50.3	46.4	38.7	23.2	3.9	3.9
95°	15.5	15.5	23.2	23.2	23.2	19.4	19.4	15.5	7.7	3.9	3.9
97.5°	11.6	11.6	15.5	15.5	11.6	11.6	11.6	7.7	3.9	3.9	3.9
100°	7.7	7.7	7.7	7.7	7.7	7.7	7.7	3.9	3.9	3.9	3.9
102.5°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9
105°	0.0	0.0	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	3.9
107.5°	0.0	0.0	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	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	3.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9
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	3.9
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	3.9
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	3.9	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	3.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9
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	3.9	0.0	3.9	3.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9	3.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.9	3.9	0.0	3.9	3.9
175°	0.0	0.0	0.0	0.0	0.0	3.9	3.9	3.9	3.9	3.9	3.9
177.5°	0.0	0.0	0.0	0.0	0.0	3.9	0.0	3.9	3.9	3.9	3.9
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°	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6	1207.6
2.5°	1188.2	1192.1	1195.9	1203.7	1203.7	1215.3	1219.2	1223.0	1226.9	1226.9
5°	1157.2	1161.1	1172.7	1180.5	1192.1	1199.8	1211.4	1215.3	1219.2	1223.0
7.5°	1099.2	1106.9	1118.5	1122.4	1137.9	1149.5	1161.1	1172.7	1176.6	1184.3
10°	1041.1	1045.0	1048.9	1060.5	1068.2	1083.7	1099.2	1106.9	1114.7	1114.7
12.5°	998.6	1002.4	1006.3	1010.2	1021.8	1029.5	1045.0	1052.7	1056.6	1064.4
15°	971.5	971.5	979.2	979.2	986.9	998.6	1006.3	1017.9	1021.8	1029.5
17.5°	963.7	963.7	967.6	971.5	979.2	983.1	990.8	1002.4	1006.3	1010.2
20°	967.6	971.5	971.5	975.3	983.1	986.9	994.7	998.6	1002.4	1006.3
22.5°	986.9	983.1	986.9	986.9	990.8	998.6	1006.3	1014.0	1017.9	1017.9
25°	1014.0	1010.2	1010.2	1017.9	1021.8	1025.6	1037.3	1041.1	1045.0	1045.0
27.5°	1060.5	1056.6	1060.5	1060.5	1064.4	1064.4	1076.0	1076.0	1079.8	1083.7
30°	1106.9	1095.3	1095.3	1095.3	1099.2	1106.9	1110.8	1118.5	1122.4	1122.4
32.5°	1176.6	1153.4	1149.5	1153.4	1153.4	1157.2	1168.9	1165.0	1172.7	1168.9
35°	1265.6	1242.4	1234.6	1234.6	1234.6	1234.6	1246.3	1238.5	1246.3	1242.4
37.5°	1374.0	1343.0	1339.2	1339.2	1331.4	1335.3	1339.2	1331.4	1327.5	1331.4
40°	1490.1	1435.9	1432.0	1435.9	1435.9	1435.9	1435.9	1432.0	1428.2	1432.0
42.5°	1435.9	1219.2	1246.3	1285.0	1323.7	1370.1	1381.7	1412.7	1416.6	1416.6
45°	1254.0	704.4	743.1	801.2	824.4	839.9	882.4	948.2	967.6	971.5
47.5°	1106.9	236.1	251.6	274.8	313.5	332.9	336.7	383.2	402.5	363.8
50°	1095.3	54.2	38.7	38.7	42.6	34.8	34.8	38.7	38.7	38.7
52.5°	1195.9	50.3	34.8	31.0	31.0	31.0	27.1	31.0	31.0	31.0
55°	1300.4	50.3	34.8	31.0	31.0	31.0	27.1	27.1	27.1	27.1
57.5°	1385.6	50.3	34.8	31.0	31.0	27.1	23.2	23.2	23.2	23.2
60°	1486.2	50.3	34.8	31.0	31.0	23.2	19.4	19.4	19.4	19.4
62.5°	1571.4	54.2	34.8	31.0	27.1	19.4	19.4	19.4	19.4	19.4
65°	1695.2	54.2	34.8	27.1	19.4	15.5	15.5	15.5	15.5	15.5
67.5°	1753.3	54.2	31.0	23.2	15.5	11.6	11.6	11.6	11.6	11.6
70°	1579.1	42.6	23.2	15.5	11.6	11.6	11.6	11.6	11.6	11.6
72.5°	1350.8	31.0	15.5	11.6	7.7	7.7	7.7	7.7	7.7	3.9
75°	1076.0	19.4	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0
77.5°	754.7	15.5	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0
80°	313.5	11.6	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	46.4	7.7	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.5	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.9	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.9	3.9	3.9	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°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.9	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.9	3.9	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°	3.9	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	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.9	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°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.9	3.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.9	3.9	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)