

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: P691339

Luminaire Tested: **CRTK2-C015-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691339
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3870 lumens
Efficiency: N/A
Efficacy: 129.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

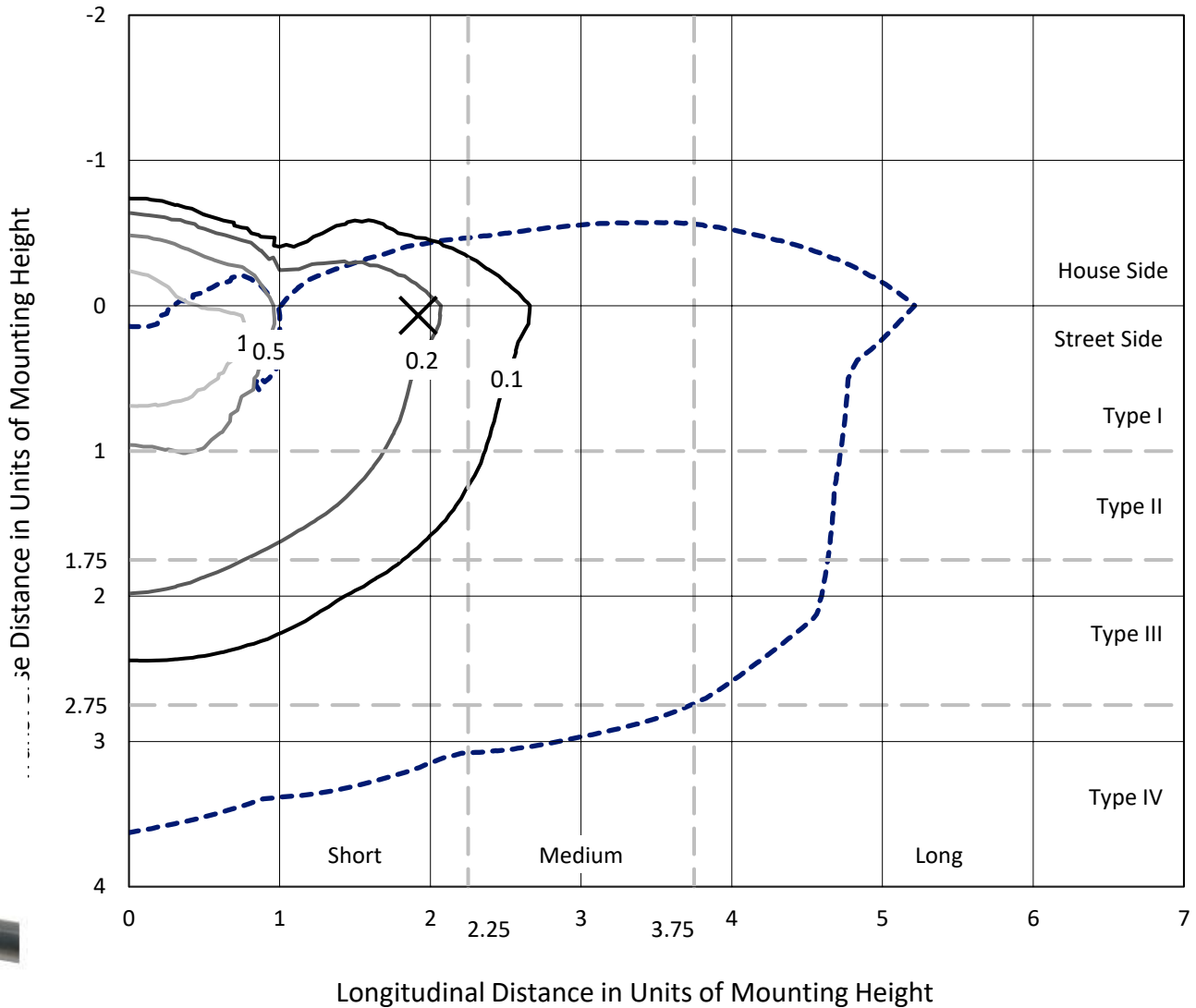
Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

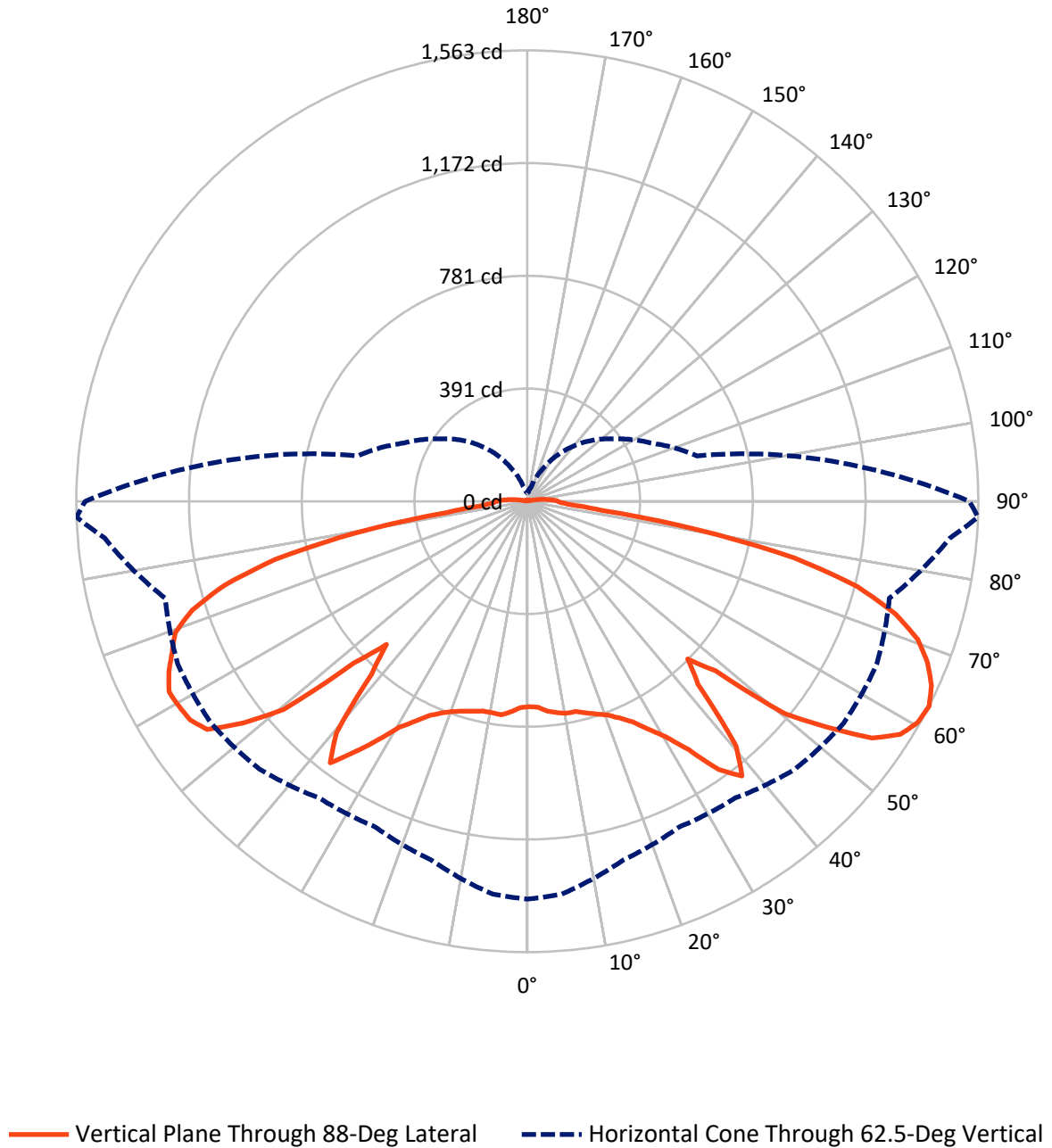
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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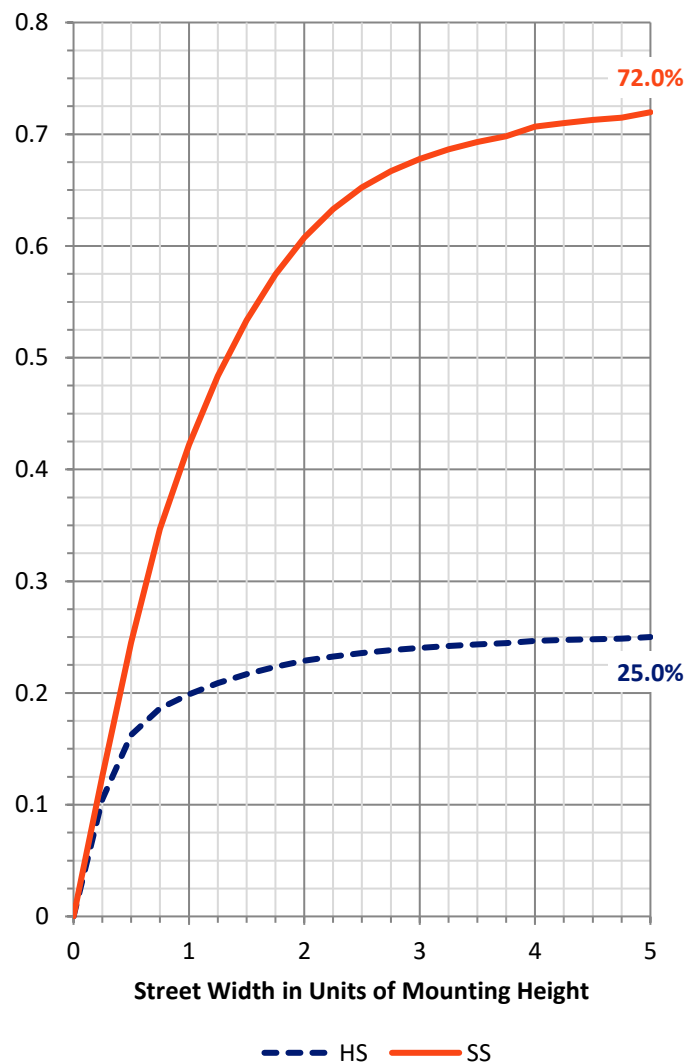
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	984.6	18.6	1003.1
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	2821.1	45.7	2866.9
	% Fixture	72.9	1.2	74.1
Total	Lumens	3805.7	64.3	3870.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.1	1.8
10°-20°	214.1	5.5
20°-30°	362.7	9.4
30°-40°	500.7	12.9
40°-50°	433.0	11.2
50°-60°	626.9	16.2
60°-70°	820.6	21.2
70°-80°	622.2	16.1
80°-90°	155.2	4.0
90°-100°	45.7	1.2
100°-110°	10.6	0.3
110°-120°	4.7	0.1
120°-130°	3.1	0.1
130°-140°	0.3	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°	3805.7	98.3
0°-180°	3870.0	100.0

Coefficient of Utilization



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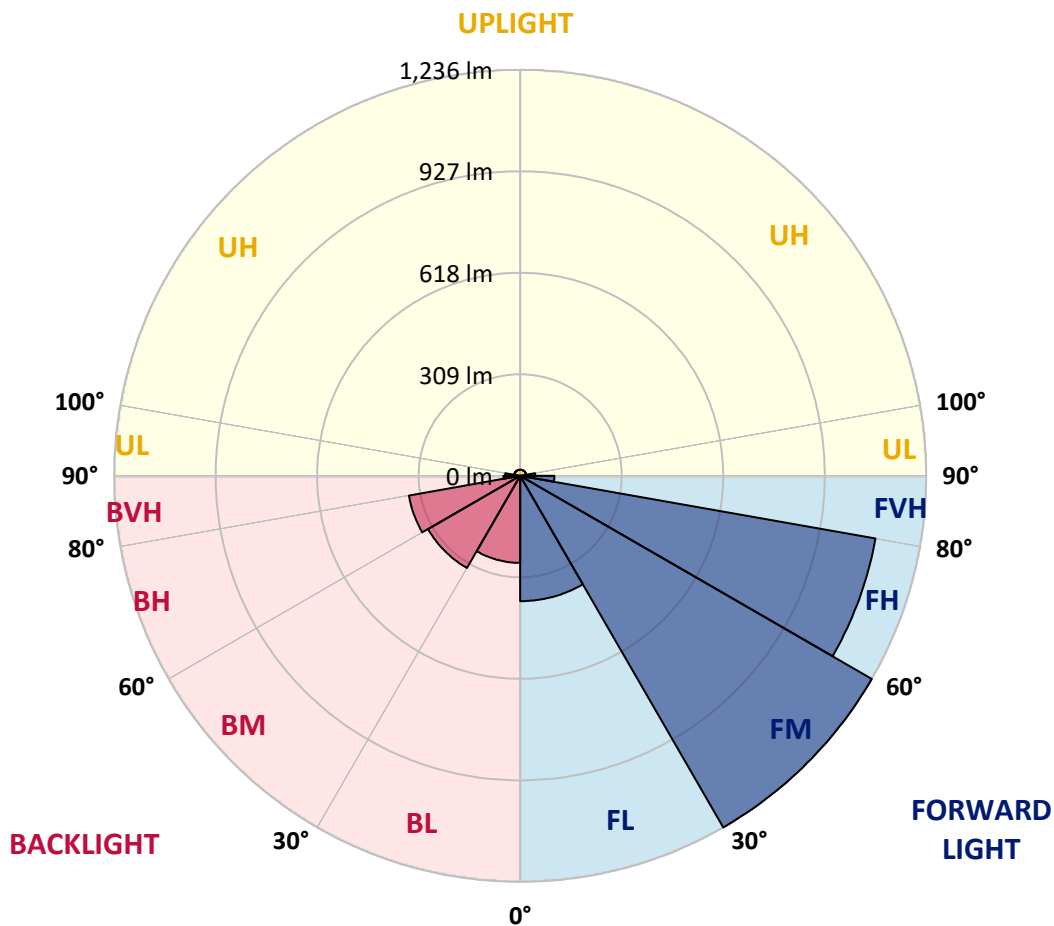
CATALOG NUMBER: CRTK2-C015-D-U-T3-7050-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	381.8	9.9			
FM (30°-60°)	1236.5	31.9			
FH (60°-80°)	1098.6	28.4			G1/1800
FVH (80°-90°)	104.3	2.7			G2/225
BL (0°-30°)	265.2	6.9	B1/500		
BM (30°-60°)	324.2	8.4	B1/1000		
BH (60°-80°)	344.2	8.9	B1/500		G1/500
BVH (80°-90°)	51.0	1.3			G1/100
UL (90°-100°)	45.7	1.2		U2/50	
UH (100°-180°)	18.6	0.5		U2/50	

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°	88°
0°	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7
2.5°	704.3	704.3	702.8	704.3	707.2	710.2	707.2	708.7	710.2	713.2	714.6
5°	731.0	729.5	726.5	723.5	720.6	720.6	717.6	716.1	719.1	728.0	731.0
7.5°	753.2	748.7	745.8	747.3	742.8	735.4	729.5	726.5	723.5	735.4	739.8
10°	788.8	785.8	775.4	766.5	760.6	748.7	735.4	733.9	732.4	744.3	747.3
12.5°	824.4	821.4	815.5	806.6	787.3	776.9	756.2	747.3	745.8	753.2	747.3
15°	876.3	870.3	854.0	845.1	825.8	809.5	784.3	771.0	774.0	763.6	760.6
17.5°	905.9	902.9	901.5	888.1	873.3	845.1	821.4	802.1	808.1	784.3	775.4
20°	938.5	937.0	940.0	941.5	922.2	897.0	867.4	837.7	839.2	808.1	790.3
22.5°	980.0	975.6	981.5	988.9	972.6	951.9	913.3	889.6	877.7	836.2	815.5
25°	1029.0	1027.5	1027.5	1040.8	1037.9	1009.7	972.6	945.9	934.1	877.7	846.6
27.5°	1079.4	1080.9	1083.8	1092.7	1097.2	1080.9	1045.3	1021.6	999.3	925.2	894.0
30°	1112.0	1112.0	1132.8	1146.1	1152.0	1152.0	1109.0	1091.2	1069.0	986.0	947.4
32.5°	1152.0	1155.0	1174.3	1196.5	1205.4	1217.3	1181.7	1168.3	1149.1	1061.6	1026.0
35°	1180.2	1184.6	1214.3	1248.4	1272.1	1278.1	1257.3	1263.2	1254.3	1160.9	1141.7
37.5°	1057.1	1069.0	1113.5	1180.2	1244.0	1306.2	1328.5	1358.1	1362.6	1254.3	1208.4
40°	920.7	925.2	975.6	1024.5	1103.1	1153.5	1209.9	1275.1	1239.5	1122.4	1113.5
42.5°	816.9	836.2	905.9	943.0	1003.8	1015.6	987.5	945.9	882.2	871.8	867.4
45°	799.2	818.4	888.1	948.9	978.6	833.3	754.7	699.8	725.0	787.3	779.9
47.5°	882.2	905.9	978.6	1048.2	987.5	825.8	774.0	772.5	751.7	858.5	877.7
50°	932.6	951.9	1036.4	1034.9	986.0	907.4	935.6	904.4	867.4	1049.7	1158.0
52.5°	957.8	975.6	1005.2	1042.3	1046.8	1040.8	1048.2	1023.0	966.7	1218.7	1300.3
55°	888.1	932.6	1061.6	1125.3	1152.0	1135.7	1140.2	1122.4	1085.3	1324.0	1448.6
57.5°	1112.0	1135.7	1183.2	1199.5	1215.8	1208.4	1214.3	1208.4	1174.3	1402.6	1524.2
60°	1241.0	1241.0	1261.7	1235.1	1244.0	1269.2	1287.0	1287.0	1251.4	1460.4	1555.3
62.5°	1378.9	1367.0	1287.0	1245.4	1255.8	1312.2	1338.8	1335.9	1298.8	1469.3	1562.7
65°	1352.2	1331.4	1303.3	1212.8	1224.7	1303.3	1340.3	1338.8	1300.3	1436.7	1539.0
67.5°	1153.5	1172.8	1206.9	1199.5	1169.8	1260.3	1318.1	1321.1	1276.6	1381.8	1496.0
70°	999.3	1011.2	1031.9	1094.2	1107.5	1201.0	1292.9	1306.2	1246.9	1318.1	1435.2
72.5°	870.3	877.7	861.4	925.2	972.6	1095.7	1203.9	1229.1	1168.3	1208.4	1332.9
75°	744.3	728.0	708.7	736.9	774.0	904.4	1036.4	1086.8	1033.4	1058.6	1181.7
77.5°	578.2	554.5	535.2	542.7	576.8	689.4	816.9	897.0	849.6	848.1	945.9
80°	394.4	373.6	360.3	357.3	382.5	452.2	544.1	639.0	597.5	557.5	600.5
82.5°	246.1	246.1	234.3	216.5	215.0	228.3	246.1	269.8	255.0	249.1	262.4
85°	154.2	155.7	149.7	130.5	126.0	129.0	137.9	143.8	139.4	143.8	148.3
87.5°	108.2	106.8	99.3	96.4	94.9	99.3	106.8	109.7	109.7	114.2	114.2
90°	81.5	81.5	77.1	75.6	75.6	80.1	87.5	93.4	97.9	105.3	105.3
92.5°	68.2	68.2	65.2	63.8	63.8	65.2	71.2	78.6	83.0	90.4	87.5
95°	56.3	56.3	54.9	54.9	54.9	56.3	59.3	63.8	65.2	65.2	65.2
97.5°	44.5	43.0	41.5	41.5	41.5	43.0	44.5	48.9	50.4	46.0	46.0
100°	31.1	29.7	28.2	29.7	29.7	29.7	31.1	32.6	32.6	29.7	28.2
102.5°	19.3	19.3	19.3	19.3	17.8	17.8	17.8	17.8	16.3	14.8	14.8
105°	13.3	13.3	11.9	11.9	11.9	11.9	10.4	10.4	10.4	8.9	8.9
107.5°	10.4	10.4	10.4	10.4	10.4	8.9	8.9	8.9	8.9	7.4	7.4
110°	8.9	8.9	8.9	8.9	8.9	8.9	8.9	7.4	7.4	5.9	5.9



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	8.9	8.9	8.9	8.9	8.9	7.4	7.4	7.4	7.4	5.9	5.9
115°	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	7.4	5.9	5.9
117.5°	7.4	7.4	7.4	7.4	7.4	7.4	5.9	5.9	5.9	7.4	5.9
120°	7.4	7.4	7.4	7.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9
122.5°	7.4	7.4	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
125°	5.9	5.9	5.9	5.9	4.4	4.4	4.4	4.4	4.4	4.4	4.4
127.5°	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4	4.4
130°	4.4	4.4	4.4	4.4	4.4	4.4	3.0	3.0	3.0	3.0	3.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7	711.7
2.5°	714.6	717.6	723.5	731.0	736.9	741.3	744.3	747.3	747.3	744.3	747.3
5°	731.0	733.9	744.3	751.7	751.7	747.3	744.3	742.8	745.8	747.3	750.2
7.5°	744.3	747.3	742.8	745.8	748.7	744.3	738.4	733.9	729.5	725.0	728.0
10°	745.8	738.4	738.4	735.4	725.0	726.5	725.0	717.6	711.7	713.2	714.6
12.5°	744.3	741.3	729.5	723.5	719.1	704.3	698.3	702.8	693.9	698.3	692.4
15°	757.6	742.8	731.0	716.1	699.8	692.4	682.0	667.2	661.3	662.8	664.2
17.5°	766.5	751.7	723.5	696.9	688.0	664.2	652.4	645.0	634.6	636.1	642.0
20°	781.4	759.1	719.1	690.9	647.9	631.6	616.8	607.9	599.0	585.7	579.7
22.5°	802.1	774.0	713.2	661.3	624.2	596.0	563.4	541.2	529.3	520.4	518.9
25°	828.8	796.2	714.6	647.9	588.6	547.1	518.9	480.4	452.2	449.2	453.7
27.5°	877.7	821.4	723.5	627.2	559.0	495.2	443.3	416.6	384.0	376.6	376.6
30°	925.2	861.4	717.6	609.4	508.6	437.4	367.7	317.3	299.5	286.2	284.7
32.5°	1012.7	917.8	748.7	582.7	462.6	351.4	274.3	219.4	207.6	203.1	201.6
35°	1092.7	994.9	751.7	548.6	394.4	272.8	197.2	160.1	152.7	148.3	146.8
37.5°	1178.7	1069.0	781.4	520.4	327.7	192.7	142.3	114.2	105.3	99.3	96.4
40°	1079.4	980.0	768.0	473.0	243.2	123.1	89.0	62.3	53.4	53.4	53.4
42.5°	845.1	744.3	581.2	382.5	142.3	71.2	44.5	43.0	44.5	46.0	46.0
45°	748.7	616.8	355.8	203.1	59.3	40.0	35.6	34.1	38.5	43.0	44.5
47.5°	880.7	733.9	274.3	142.3	63.8	40.0	32.6	32.6	31.1	28.2	28.2
50°	1190.6	990.4	314.3	163.1	80.1	44.5	32.6	28.2	28.2	29.7	31.1
52.5°	1343.3	1103.1	370.7	212.0	117.1	60.8	35.6	28.2	25.2	20.8	20.8
55°	1475.2	1192.1	438.9	274.3	172.0	94.9	50.4	29.7	25.2	20.8	19.3
57.5°	1518.2	1202.4	511.5	345.5	234.3	148.3	87.5	41.5	26.7	22.2	20.8
60°	1524.2	1214.3	566.4	421.1	305.4	216.5	143.8	75.6	34.1	26.7	25.2
62.5°	1531.6	1217.3	607.9	475.9	376.6	293.6	207.6	120.1	51.9	31.1	29.7
65°	1504.9	1181.7	597.5	464.1	397.4	324.7	238.7	140.9	59.3	35.6	34.1
67.5°	1460.4	1150.5	554.5	427.0	358.8	283.2	204.6	114.2	54.9	41.5	40.0
70°	1424.8	1119.4	532.3	424.0	332.1	247.6	164.6	83.0	65.2	56.3	53.4
72.5°	1337.4	1045.3	514.5	422.6	332.1	241.7	160.1	89.0	89.0	90.4	84.5
75°	1190.6	934.1	487.8	410.7	324.7	240.2	154.2	96.4	96.4	86.0	81.5
77.5°	983.0	765.1	431.5	375.1	295.0	212.0	126.0	80.1	77.1	66.7	63.8
80°	650.9	548.6	344.0	309.9	243.2	170.5	93.4	62.3	57.8	48.9	46.0
82.5°	292.1	262.4	218.0	219.4	175.0	121.6	63.8	43.0	40.0	32.6	31.1
85°	160.1	151.2	118.6	103.8	89.0	63.8	37.1	28.2	23.7	17.8	17.8
87.5°	121.6	117.1	87.5	68.2	51.9	37.1	23.7	17.8	13.3	8.9	7.4
90°	111.2	105.3	71.2	54.9	41.5	29.7	19.3	11.9	8.9	5.9	4.4
92.5°	93.4	89.0	57.8	46.0	35.6	26.7	16.3	8.9	5.9	3.0	3.0
95°	68.2	66.7	43.0	35.6	28.2	22.2	13.3	7.4	4.4	3.0	1.5
97.5°	46.0	44.5	31.1	26.7	22.2	16.3	10.4	5.9	3.0	1.5	1.5
100°	28.2	28.2	19.3	17.8	14.8	11.9	7.4	4.4	3.0	1.5	1.5
102.5°	14.8	13.3	10.4	10.4	8.9	7.4	5.9	3.0	1.5	0.0	0.0
105°	8.9	7.4	7.4	5.9	5.9	4.4	4.4	3.0	1.5	0.0	0.0
107.5°	7.4	5.9	5.9	4.4	4.4	3.0	3.0	1.5	1.5	0.0	0.0
110°	5.9	5.9	4.4	4.4	3.0	3.0	3.0	1.5	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°	5.9	4.4	4.4	3.0	3.0	3.0	1.5	1.5	0.0	0.0	0.0
115°	5.9	4.4	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
117.5°	5.9	4.4	3.0	3.0	3.0	1.5	1.5	1.5	0.0	0.0	0.0
120°	5.9	4.4	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
122.5°	5.9	4.4	3.0	3.0	1.5	1.5	1.5	1.5	0.0	0.0	0.0
125°	4.4	3.0	3.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
127.5°	4.4	3.0	3.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0
130°	3.0	3.0	3.0	1.5	1.5	1.5	1.5	1.5	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

(END OF REPORT)