

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: P691032

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691032
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-5)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3550.1 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type I - Short
BUG Rating: B1 - U3 - G2

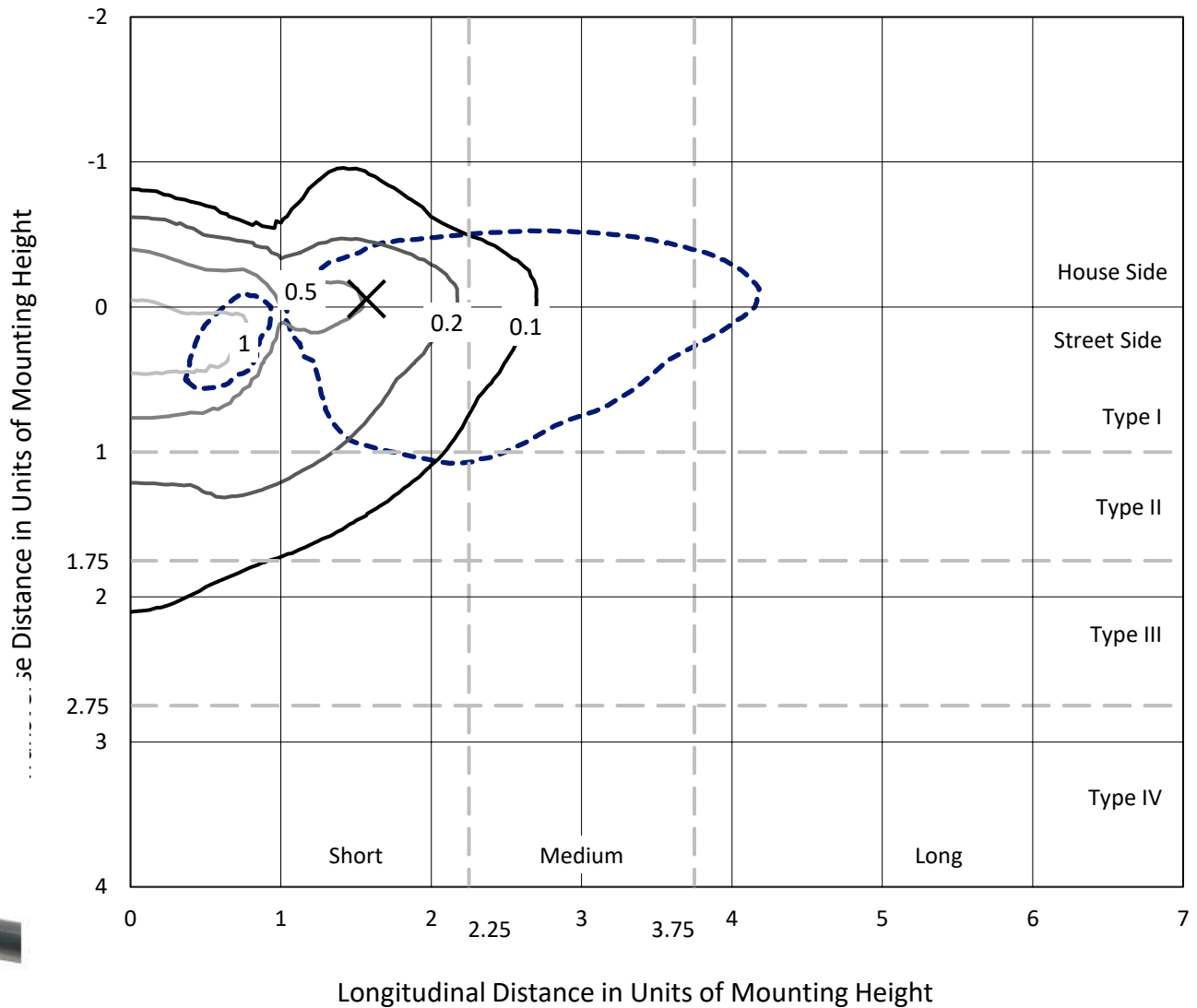
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691032
 CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

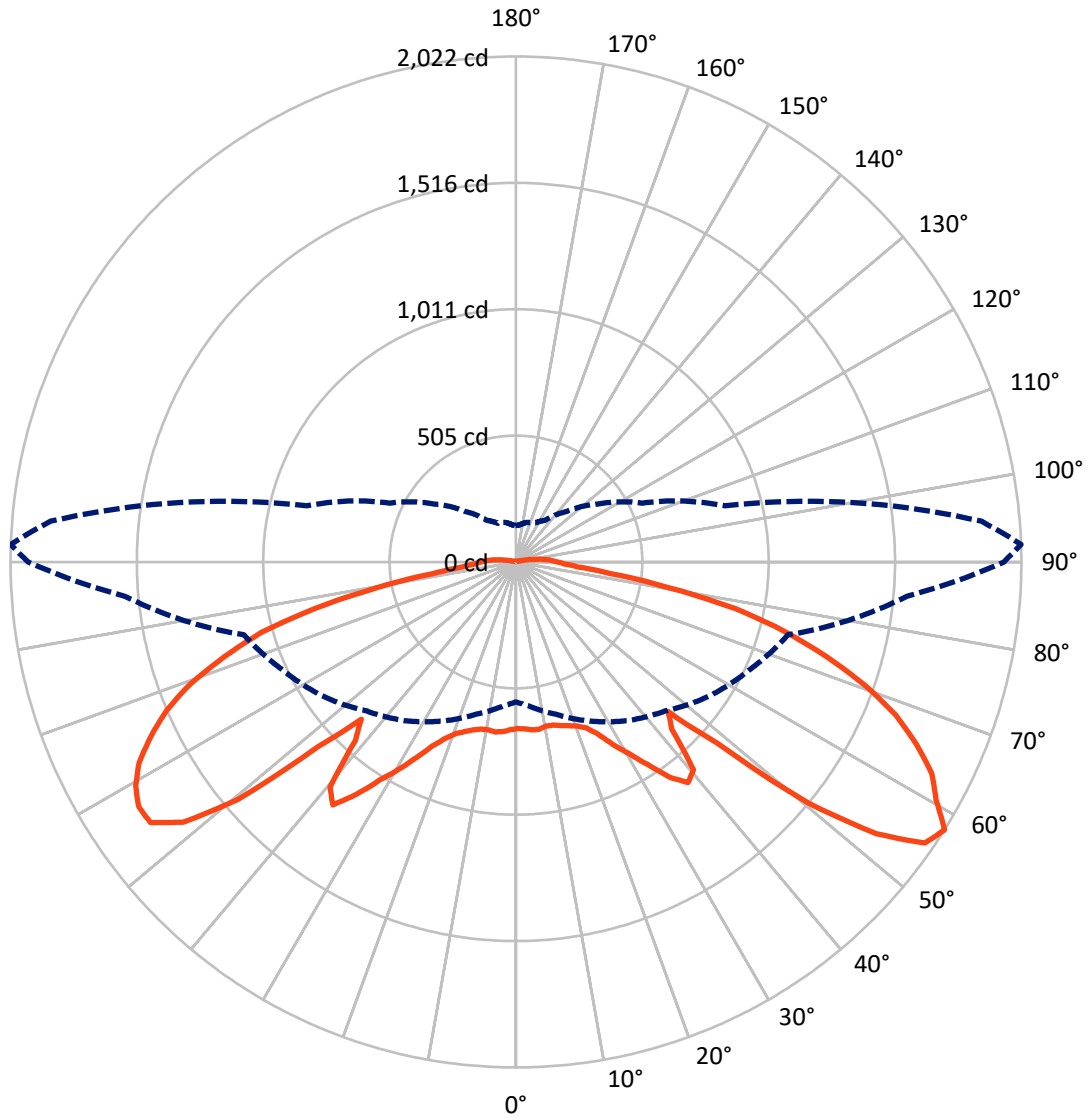
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type I - Short - N/A

REPORT NUMBER: P691032
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER

Luminous Intensity Polar Plot



— Vertical Plane Through 92-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P691032

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER

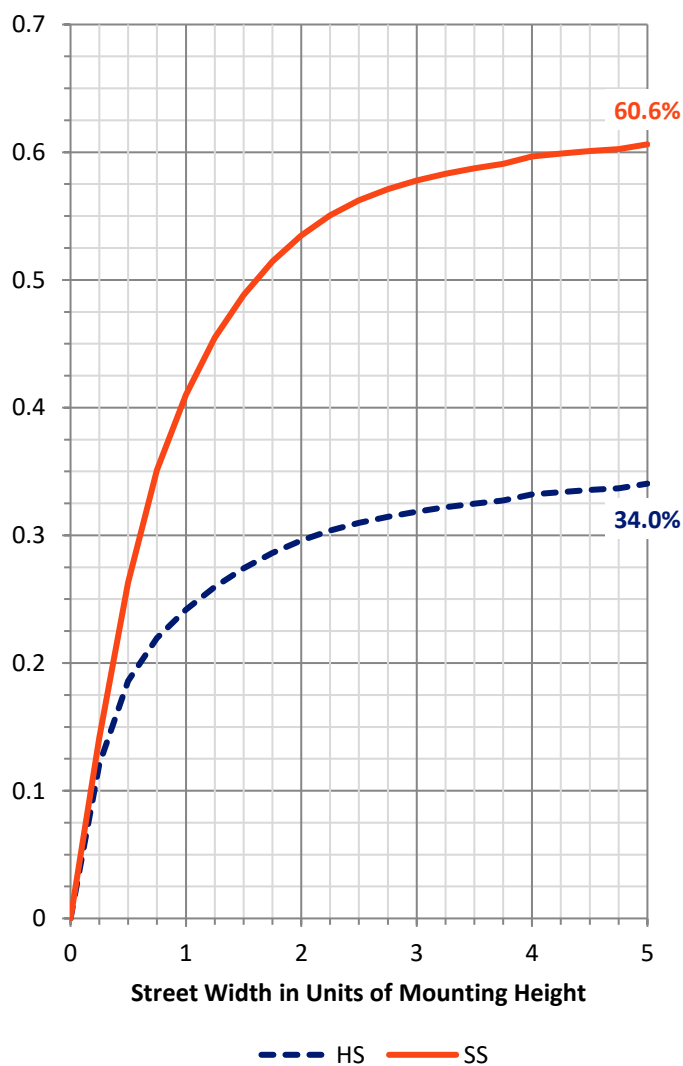
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1266.7	55.4	1322.0
	% Fixture	35.7	1.6	37.2
Street Side	Lumens	2182.8	45.2	2228.0
	% Fixture	61.5	1.3	62.8
Total	Lumens	3449.5	100.6	3550.1
	% Fixture	97.2	2.8	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.9	1.8
10°-20°	188.1	5.3
20°-30°	312.0	8.8
30°-40°	431.8	12.2
40°-50°	403.2	11.4
50°-60°	602.5	17.0
60°-70°	715.7	20.2
70°-80°	525.3	14.8
80°-90°	207.1	5.8
90°-100°	72.9	2.1
100°-110°	17.3	0.5
110°-120°	6.7	0.2
120°-130°	3.4	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°	3449.5	97.2
0°-180°	3550.1	100.0

Coefficient of Utilization



REPORT NUMBER: P691032

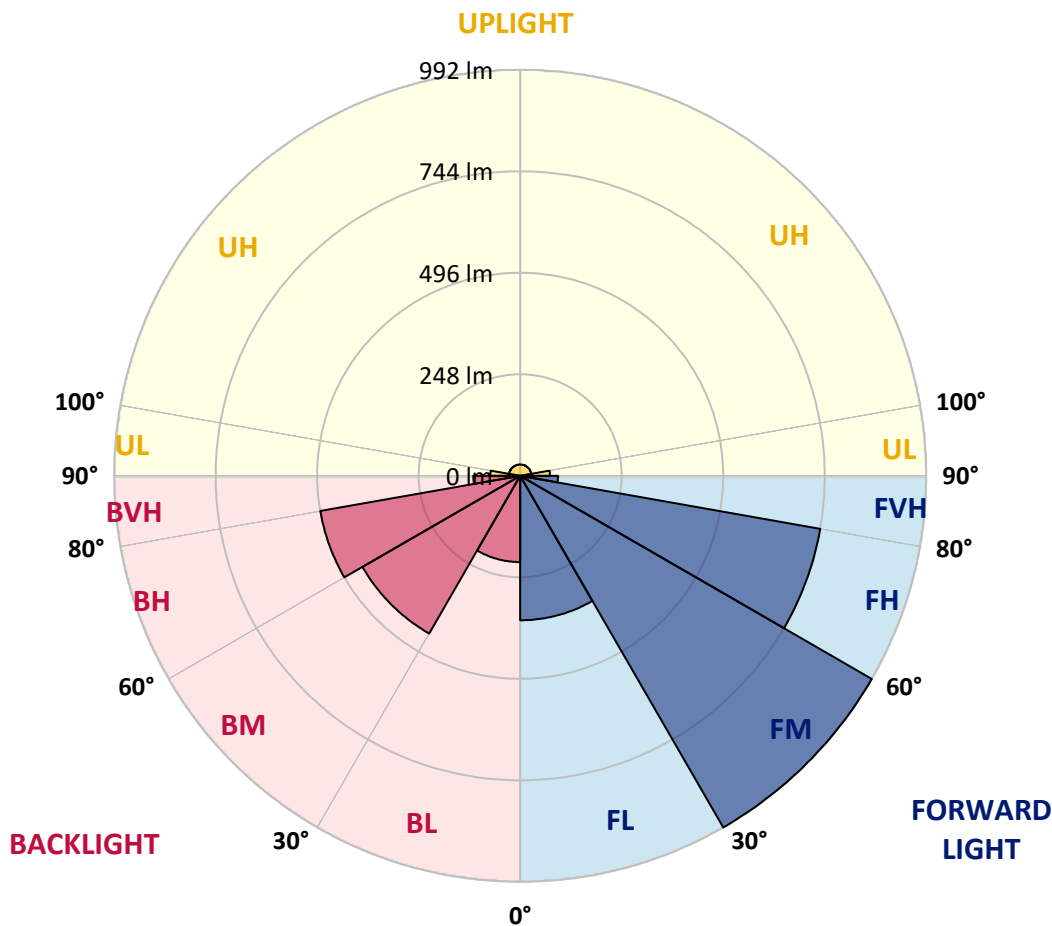
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	353.1	9.9			
FM (30°-60°)	992.4	28.0			
FH (60°-80°)	744.7	21.0			G1/1800
FVH (80°-90°)	92.6	2.6			G1/100
BL (0°-30°)	210.9	5.9	B1/500		
BM (30°-60°)	445.1	12.5	B1/1000		
BH (60°-80°)	496.2	14.0	B1/500		G1/500
BVH (80°-90°)	114.5	3.2			G2/225
UL (90°-100°)	72.9	2.1		U3/500	
UH (100°-180°)	27.6	0.8		U2/50	

BUG Rating: B1-U3-G2

Type I Short





REPORT NUMBER: P691032

CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-7050-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9
2.5°	694.6	689.8	691.0	689.8	687.4	685.1	682.7	680.3	676.7	673.1	670.7
5°	735.3	730.5	730.5	730.5	725.7	718.5	709.0	703.0	694.6	685.1	677.9
7.5°	762.8	759.2	758.0	756.8	750.8	746.0	735.3	716.1	703.0	691.0	680.3
10°	772.3	772.3	771.1	767.5	761.6	755.6	748.4	730.5	709.0	688.6	674.3
12.5°	790.3	792.7	789.1	783.1	780.7	773.5	762.8	748.4	724.5	693.4	676.7
15°	817.8	816.6	811.8	810.6	808.2	799.8	790.3	772.3	744.8	705.4	686.2
17.5°	829.7	828.5	828.5	828.5	828.5	822.5	821.3	801.0	772.3	724.5	700.6
20°	832.1	832.1	835.7	844.1	845.3	844.1	850.0	836.9	803.4	748.4	716.1
22.5°	847.6	848.8	854.8	863.2	869.2	871.6	876.3	882.3	851.2	786.7	746.0
25°	839.3	845.3	858.4	871.6	885.9	894.3	920.6	940.9	914.6	842.9	787.9
27.5°	824.9	829.7	856.0	879.9	912.2	946.9	985.1	1011.4	995.9	912.2	854.8
30°	838.1	838.1	854.8	894.3	936.1	999.5	1055.7	1084.4	1077.2	985.1	932.5
32.5°	810.6	817.8	853.6	911.0	974.4	1056.9	1114.3	1168.1	1175.2	1079.6	994.7
35°	729.3	744.8	768.7	844.1	951.7	1095.1	1183.6	1251.7	1281.6	1187.2	1088.0
37.5°	602.6	608.5	658.7	734.1	862.0	1004.3	1157.3	1323.5	1385.6	1268.5	1181.2
40°	532.0	535.6	567.9	633.6	741.2	881.1	1010.2	1181.2	1230.2	1218.3	1135.8
42.5°	508.1	514.1	552.3	615.7	706.6	803.4	836.9	911.0	891.9	943.3	969.6
45°	536.8	540.4	567.9	622.9	680.3	722.1	698.2	750.8	777.1	878.7	884.7
47.5°	557.1	559.5	589.4	658.7	668.3	669.5	701.8	732.9	805.8	1025.8	1123.8
50°	478.2	490.2	547.6	607.3	612.1	706.6	798.6	860.8	950.5	1351.0	1538.7
52.5°	443.5	449.5	511.7	615.7	685.1	795.0	860.8	923.0	1009.0	1492.0	1822.0
55°	486.6	496.2	570.3	686.2	755.6	830.9	913.4	989.9	1074.8	1565.0	1948.7
57.5°	559.5	577.5	631.3	701.8	774.7	842.9	938.5	1027.0	1126.2	1569.8	1951.1
60°	704.2	691.0	661.1	692.2	762.8	840.5	950.5	1044.9	1154.9	1568.6	1896.1
62.5°	803.4	784.3	685.1	670.7	736.5	815.4	924.2	1042.5	1148.9	1516.0	1834.0
65°	784.3	771.1	694.6	642.0	689.8	774.7	888.3	1028.2	1120.2	1459.8	1721.6
67.5°	676.7	661.1	628.9	608.5	632.4	731.7	854.8	999.5	1086.8	1395.2	1598.5
70°	552.3	544.0	533.2	554.7	584.6	677.9	793.8	937.3	1023.4	1272.1	1466.9
72.5°	468.7	463.9	450.7	473.4	523.7	607.3	704.2	847.6	944.5	1105.9	1304.3
75°	394.5	395.7	388.6	402.9	435.2	517.7	594.2	734.1	841.7	949.3	1128.6
77.5°	324.0	320.4	327.6	336.0	357.5	417.2	468.7	590.6	718.5	753.2	865.6
80°	236.7	242.7	255.8	254.7	272.6	298.9	333.6	398.1	504.5	539.2	582.2
82.5°	167.4	174.6	186.5	173.4	175.7	182.9	198.5	228.4	284.5	319.2	355.1
85°	118.4	121.9	124.3	114.8	114.8	119.6	130.3	151.8	186.5	208.0	227.2
87.5°	86.1	87.3	92.1	87.3	88.5	90.9	100.4	114.8	143.5	159.0	174.6
90°	65.8	65.8	68.1	67.0	69.3	74.1	83.7	95.6	117.2	136.3	150.6
92.5°	47.8	47.8	50.2	51.4	52.6	58.6	67.0	76.5	90.9	114.8	129.1
95°	37.1	37.1	39.5	39.5	40.6	45.4	52.6	62.2	72.9	89.7	102.8
97.5°	27.5	27.5	29.9	29.9	31.1	34.7	40.6	46.6	56.2	67.0	72.9
100°	21.5	21.5	22.7	22.7	23.9	27.5	31.1	34.7	37.1	43.0	45.4
102.5°	17.9	17.9	17.9	17.9	17.9	20.3	21.5	21.5	22.7	26.3	27.5
105°	14.3	14.3	14.3	13.2	13.2	14.3	14.3	14.3	15.5	15.5	16.7
107.5°	10.8	10.8	10.8	10.8	10.8	12.0	12.0	12.0	12.0	13.2	13.2
110°	9.6	9.6	9.6	9.6	9.6	9.6	10.8	10.8	10.8	10.8	10.8



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	8.4	8.4	8.4	8.4	8.4	8.4	9.6	9.6	9.6	9.6	9.6
115°	7.2	7.2	7.2	7.2	7.2	8.4	9.6	8.4	8.4	8.4	8.4
117.5°	6.0	6.0	6.0	7.2	7.2	7.2	8.4	7.2	7.2	7.2	8.4
120°	4.8	4.8	6.0	6.0	6.0	6.0	6.0	6.0	7.2	7.2	7.2
122.5°	4.8	4.8	4.8	4.8	4.8	6.0	6.0	6.0	6.0	6.0	7.2
125°	3.6	3.6	3.6	4.8	4.8	4.8	4.8	4.8	4.8	6.0	6.0
127.5°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	4.8	4.8	4.8
130°	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6	3.6
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):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9	665.9
2.5°	668.3	668.3	661.1	654.0	646.8	639.6	633.6	630.1	625.3	626.5	626.5
5°	674.3	670.7	655.2	645.6	634.8	625.3	615.7	607.3	604.9	603.8	599.0
7.5°	675.5	669.5	652.8	638.4	618.1	595.4	584.6	575.1	569.1	573.9	571.5
10°	667.1	659.9	640.8	619.3	590.6	571.5	554.7	545.2	540.4	541.6	540.4
12.5°	669.5	661.1	630.1	597.8	573.9	541.6	521.3	512.9	506.9	506.9	503.3
15°	679.1	664.7	620.5	587.0	547.6	520.1	496.2	490.2	487.8	485.4	481.8
17.5°	688.6	668.3	619.3	567.9	523.7	493.8	469.9	459.1	453.1	453.1	451.9
20°	700.6	675.5	612.1	547.6	500.9	461.5	432.8	423.2	418.4	417.2	414.9
22.5°	720.9	694.6	608.5	539.2	471.0	430.4	402.9	385.0	375.4	374.2	374.2
25°	761.6	729.3	615.7	516.5	450.7	398.1	364.6	346.7	336.0	336.0	334.8
27.5°	826.1	774.7	626.5	508.1	412.5	363.4	328.8	301.3	291.7	291.7	292.9
30°	889.5	844.1	654.0	490.2	390.9	318.0	276.2	255.8	243.9	239.1	240.3
32.5°	964.8	917.0	692.2	478.2	347.9	264.2	226.0	215.2	197.3	192.5	188.9
35°	1056.9	987.5	735.3	461.5	314.4	224.8	193.7	172.2	163.8	157.8	156.6
37.5°	1119.0	1058.1	773.5	465.1	267.8	203.2	168.6	145.9	137.5	138.7	138.7
40°	1092.7	1022.2	783.1	441.2	228.4	176.9	141.1	127.9	123.1	124.3	125.5
42.5°	913.4	876.3	648.0	394.5	188.9	142.3	118.4	118.4	121.9	118.4	118.4
45°	853.6	760.4	471.0	277.4	142.3	117.2	112.4	116.0	124.3	124.3	124.3
47.5°	1080.8	975.6	422.0	231.9	159.0	131.5	121.9	116.0	117.2	116.0	116.0
50°	1516.0	1351.0	566.7	289.3	192.5	156.6	138.7	126.7	126.7	124.3	121.9
52.5°	1805.3	1631.9	689.8	362.3	241.5	182.9	159.0	137.5	130.3	125.5	124.3
55°	1984.6	1853.1	796.2	463.9	314.4	217.6	176.9	154.2	143.5	133.9	132.7
57.5°	2021.7	1868.6	866.8	557.1	405.3	285.7	203.2	171.0	163.8	148.2	145.9
60°	1930.8	1829.2	894.3	618.1	484.2	376.6	265.4	198.5	182.9	172.2	169.8
62.5°	1867.5	1750.3	884.7	638.4	533.2	451.9	349.1	243.9	199.7	200.9	211.6
65°	1761.0	1682.1	814.2	608.5	530.8	477.0	392.1	282.2	205.6	203.2	216.4
67.5°	1639.1	1576.9	743.6	542.8	489.0	442.4	364.6	269.0	194.9	182.9	184.1
70°	1482.5	1429.9	671.9	505.7	450.7	392.1	316.8	233.1	192.5	173.4	173.4
72.5°	1302.0	1239.8	612.1	478.2	430.4	376.6	303.7	224.8	206.8	199.7	205.6
75°	1110.7	1031.8	565.5	451.9	416.1	376.6	302.5	224.8	206.8	200.9	200.9
77.5°	895.5	848.8	515.3	410.1	387.4	358.7	278.6	209.2	203.2	200.9	200.9
80°	619.3	612.1	419.6	356.3	350.3	339.5	261.8	202.0	202.0	198.5	193.7
82.5°	380.2	362.3	300.1	266.6	286.9	302.5	237.9	190.1	185.3	181.7	179.3
85°	246.3	247.5	210.4	186.5	198.5	230.7	200.9	172.2	165.0	167.4	167.4
87.5°	188.9	194.9	165.0	151.8	149.4	156.6	157.8	154.2	149.4	145.9	147.1
90°	162.6	165.0	132.7	121.9	120.8	123.1	123.1	130.3	130.3	118.4	111.2
92.5°	136.3	139.9	110.0	99.2	99.2	102.8	105.2	105.2	95.6	77.7	69.3
95°	107.6	110.0	87.3	78.9	80.1	80.1	78.9	75.3	58.6	34.7	31.1
97.5°	75.3	76.5	64.6	59.8	61.0	58.6	51.4	46.6	35.9	20.3	19.1
100°	47.8	49.0	40.6	39.5	43.0	38.3	33.5	31.1	21.5	13.2	15.5
102.5°	28.7	28.7	25.1	23.9	26.3	22.7	20.3	16.7	13.2	8.4	10.8
105°	16.7	16.7	15.5	15.5	15.5	14.3	13.2	10.8	7.2	6.0	6.0
107.5°	13.2	13.2	12.0	12.0	10.8	10.8	9.6	7.2	4.8	3.6	3.6
110°	10.8	10.8	9.6	9.6	9.6	8.4	7.2	6.0	3.6	2.4	2.4



REPORT NUMBER: P691032
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CANDELA DISTRIBUTION (continued):

	92°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	9.6	9.6	8.4	8.4	7.2	7.2	6.0	4.8	3.6	2.4	2.4
115°	8.4	8.4	7.2	6.0	6.0	6.0	4.8	3.6	2.4	1.2	2.4
117.5°	8.4	8.4	6.0	4.8	4.8	4.8	3.6	3.6	2.4	1.2	1.2
120°	7.2	7.2	4.8	4.8	3.6	3.6	3.6	2.4	1.2	1.2	1.2
122.5°	6.0	6.0	4.8	3.6	3.6	3.6	2.4	2.4	1.2	1.2	1.2
125°	6.0	6.0	3.6	3.6	3.6	2.4	2.4	2.4	1.2	0.0	0.0
127.5°	4.8	4.8	3.6	3.6	2.4	2.4	2.4	1.2	1.2	0.0	0.0
130°	3.6	3.6	3.6	3.6	2.4	2.4	2.4	1.2	1.2	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)