

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: P691159

Luminaire Tested: **CRTK2-C013-D-U-T3-7050**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T3-7050
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3088 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

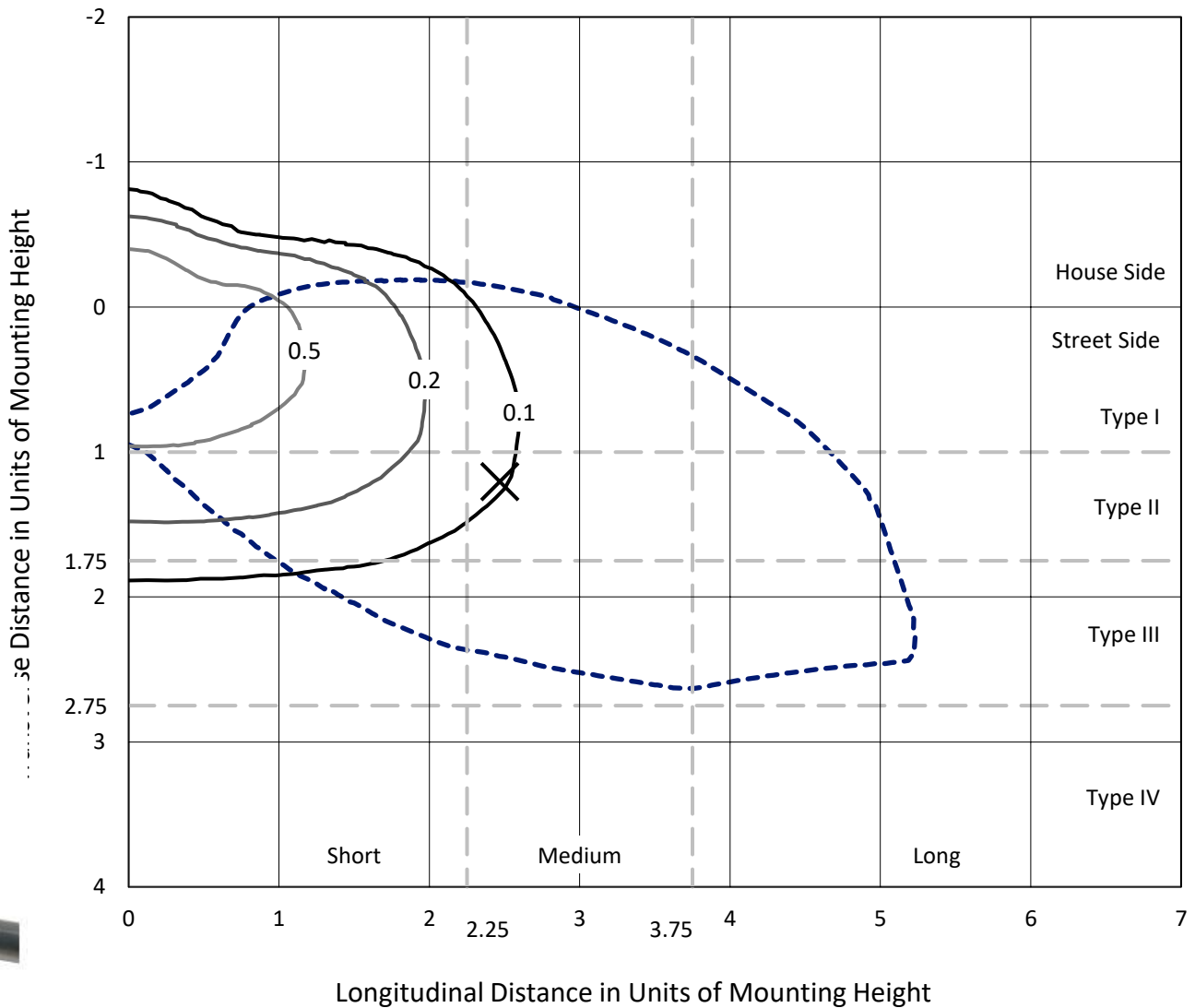
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

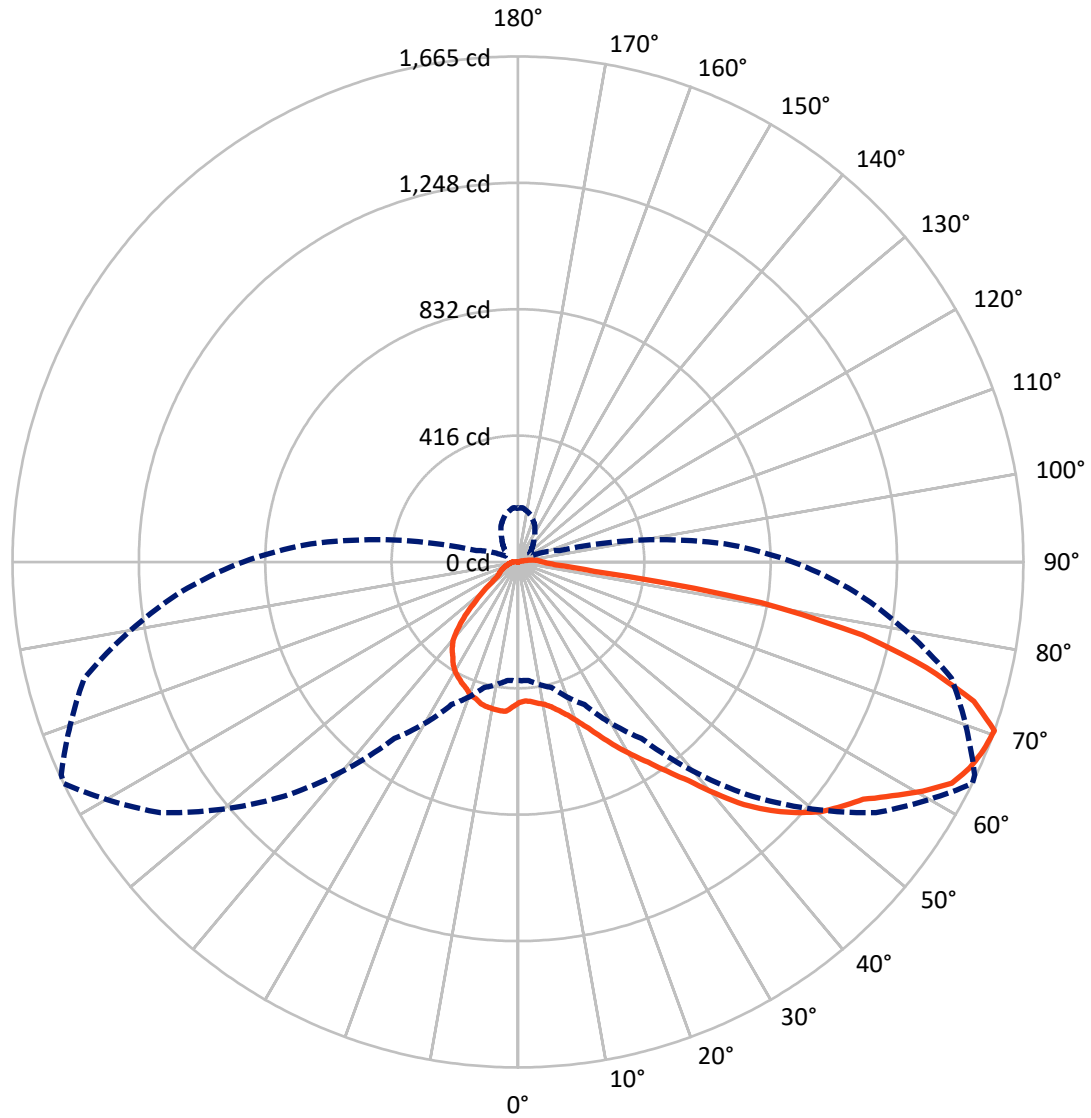
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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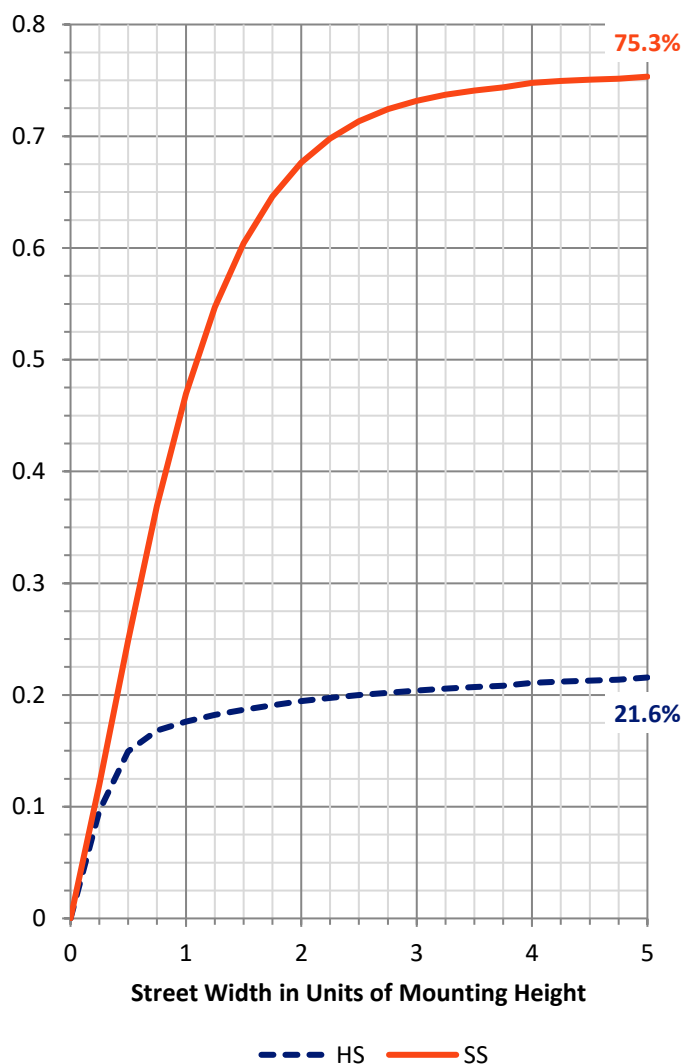
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	704.0	19.1	723.0
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2340.3	24.6	2364.9
	% Fixture	75.8	0.8	76.6
Total	Lumens	3044.3	43.7	3088.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.2	1.5
10°-20°	143.8	4.7
20°-30°	249.4	8.1
30°-40°	361.9	11.7
40°-50°	485.7	15.7
50°-60°	587.3	19.0
60°-70°	632.2	20.5
70°-80°	434.2	14.1
80°-90°	103.6	3.4
90°-100°	37.5	1.2
100°-110°	4.7	0.2
110°-120°	0.3	0.0
120°-130°	0.3	0.0
130°-140°	0.3	0.0
140°-150°	0.2	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	3044.3	98.6
0°-180°	3088.0	100.0

Coefficient of Utilization



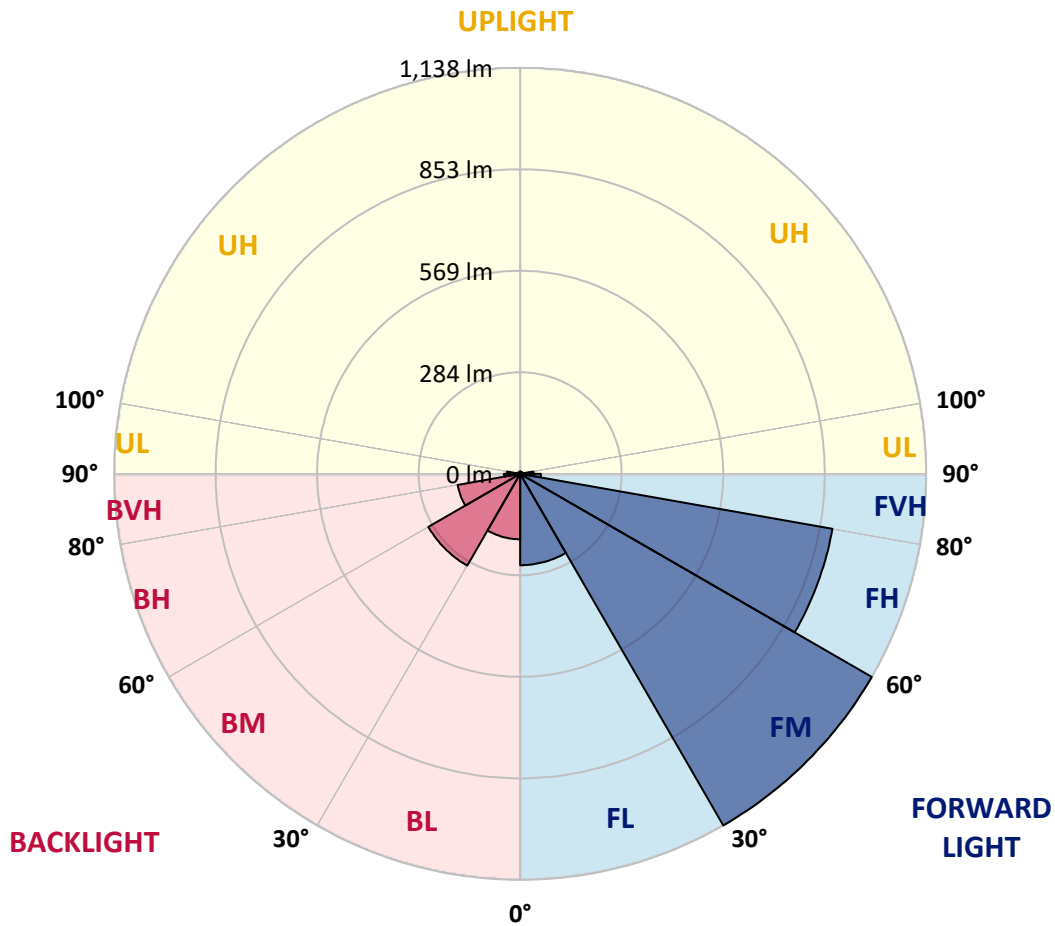
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	256.0	8.3			
FM (30°-60°)	1137.9	36.8			
FH (60°-80°)	888.5	28.8			G1/1800
FVH (80°-90°)	58.0	1.9			G1/100
BL (0°-30°)	183.3	5.9	B1/500		
BM (30°-60°)	297.1	9.6	B1/1000		
BH (60°-80°)	177.9	5.8	B1/500		G1/500
BVH (80°-90°)	45.6	1.5			G1/100
UL (90°-100°)	37.5	1.2		U2/50	
UH (100°-180°)	6.2	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
2.5°	459.4	459.4	458.4	458.4	459.4	460.4	459.4	458.4	459.4	460.4	463.4
5°	477.6	476.6	475.6	471.5	467.5	464.5	462.4	461.4	462.4	466.5	473.6
7.5°	489.7	488.7	488.7	487.7	483.7	475.6	470.5	469.5	469.5	470.5	479.6
10°	515.0	513.0	509.0	501.9	497.8	487.7	478.6	476.6	476.6	478.6	489.7
12.5°	542.4	538.3	539.3	531.2	519.1	508.0	494.8	489.7	487.7	489.7	495.8
15°	579.8	576.8	568.7	559.6	547.4	532.2	516.1	508.0	507.0	510.0	504.9
17.5°	607.1	603.1	604.1	590.9	580.8	560.6	545.4	530.2	530.2	534.3	521.1
20°	635.5	633.4	636.5	633.4	618.3	600.0	577.8	559.6	556.5	558.6	539.3
22.5°	671.9	668.9	668.9	669.9	657.7	639.5	613.2	595.0	594.0	585.9	559.6
25°	709.3	706.3	705.3	707.3	705.3	684.0	656.7	638.5	635.5	624.3	586.9
27.5°	744.7	744.7	745.8	747.8	750.8	733.6	707.3	687.1	687.1	674.9	623.3
30°	771.1	771.1	780.2	784.2	787.2	783.2	754.9	735.6	737.7	721.5	664.8
32.5°	795.3	796.3	806.5	816.6	819.6	822.7	798.4	786.2	786.2	771.1	709.3
35°	819.6	819.6	833.8	854.0	864.1	861.1	850.0	845.9	846.9	843.9	775.1
37.5°	838.8	840.9	862.1	887.4	901.6	906.6	900.6	913.7	925.9	935.0	861.1
40°	858.1	858.1	878.3	905.6	930.9	945.1	953.2	1002.8	1011.9	1014.9	909.7
42.5°	837.8	842.9	885.4	925.9	958.2	982.5	1019.0	1092.8	1104.0	1069.6	975.4
45°	818.6	824.7	867.2	935.0	981.5	1030.1	1092.8	1167.7	1176.8	1125.2	1014.9
47.5°	799.4	806.5	853.0	926.9	1002.8	1082.7	1150.5	1233.5	1237.5	1170.7	1059.4
50°	779.1	786.2	835.8	917.8	1015.9	1136.3	1208.2	1293.2	1293.2	1211.2	1085.7
52.5°	753.8	761.9	812.5	903.6	1026.0	1172.8	1260.8	1336.7	1328.6	1259.8	1115.1
55°	721.5	732.6	786.2	883.4	1030.1	1192.0	1294.2	1379.2	1377.2	1319.5	1152.5
57.5°	687.1	696.2	753.8	857.1	1026.0	1205.1	1329.6	1453.1	1456.1	1371.1	1181.9
60°	648.6	654.7	710.3	820.6	999.7	1228.4	1409.5	1532.0	1536.0	1418.7	1193.0
62.5°	598.0	602.1	654.7	771.1	964.3	1243.6	1467.2	1603.8	1601.8	1461.2	1195.0
65°	534.3	539.3	588.9	705.3	911.7	1233.5	1481.4	1635.2	1637.2	1481.4	1192.0
67.5°	472.5	475.6	517.1	618.3	826.7	1184.9	1467.2	1653.4	1662.5	1498.6	1162.6
70°	390.6	391.6	428.0	518.1	709.3	1091.8	1438.9	1664.5	1659.5	1478.4	1112.1
72.5°	300.5	301.5	328.9	396.7	551.5	929.9	1338.7	1570.4	1561.3	1367.0	1002.8
75°	213.5	217.6	233.7	278.3	369.3	679.0	1145.4	1390.3	1396.4	1216.3	835.8
77.5°	121.4	125.5	138.6	174.0	212.5	380.5	865.2	1159.6	1163.7	1023.0	641.5
80°	52.6	53.6	58.7	83.0	113.3	182.1	443.2	812.5	871.2	695.2	366.3
82.5°	44.5	44.5	46.5	48.6	49.6	83.0	172.0	252.0	260.1	205.4	119.4
85°	38.5	38.5	40.5	42.5	43.5	56.7	104.2	126.5	131.5	117.4	84.0
87.5°	30.4	30.4	33.4	35.4	35.4	46.5	77.9	94.1	97.1	94.1	74.9
90°	27.3	27.3	26.3	26.3	27.3	33.4	60.7	78.9	82.0	100.2	86.0
92.5°	23.3	24.3	24.3	24.3	21.2	24.3	43.5	69.8	75.9	99.2	77.9
95°	23.3	22.3	22.3	21.2	20.2	21.2	32.4	60.7	67.8	86.0	65.8
97.5°	16.2	15.2	16.2	17.2	18.2	19.2	27.3	44.5	49.6	66.8	48.6
100°	10.1	10.1	10.1	10.1	12.1	13.2	22.3	27.3	30.4	42.5	32.4
102.5°	6.1	5.1	5.1	5.1	6.1	8.1	11.1	15.2	16.2	24.3	19.2
105°	2.0	2.0	2.0	2.0	3.0	4.0	4.0	6.1	6.1	8.1	8.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
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°	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4	463.4
2.5°	465.5	467.5	471.5	476.6	482.7	487.7	491.8	492.8	494.8	494.8	496.8
5°	475.6	479.6	485.7	492.8	495.8	493.8	493.8	494.8	496.8	501.9	503.9
7.5°	486.7	489.7	489.7	492.8	498.9	496.8	495.8	494.8	494.8	492.8	495.8
10°	490.8	486.7	491.8	490.8	488.7	492.8	493.8	487.7	488.7	488.7	489.7
12.5°	491.8	491.8	487.7	487.7	487.7	478.6	476.6	481.7	476.6	478.6	477.6
15°	502.9	494.8	489.7	483.7	475.6	472.5	465.5	457.4	457.4	459.4	459.4
17.5°	511.0	502.9	487.7	471.5	468.5	454.3	449.3	447.2	446.2	447.2	449.3
20°	523.1	511.0	485.7	469.5	443.2	438.1	429.0	428.0	426.0	418.9	416.9
22.5°	539.3	520.1	484.7	452.3	431.1	413.9	397.7	387.5	386.5	381.5	378.4
25°	557.5	538.3	488.7	444.2	408.8	383.5	370.3	347.1	335.9	340.0	338.0
27.5°	595.0	559.6	495.8	433.1	390.6	351.1	320.8	306.6	292.4	292.4	294.5
30°	629.4	586.9	495.8	423.0	360.2	312.7	273.2	250.9	244.9	240.8	238.8
32.5°	681.0	621.3	517.1	408.8	331.9	263.1	218.6	192.3	193.3	197.3	196.3
35°	740.7	675.9	523.1	388.6	290.4	213.5	169.0	154.8	162.9	164.9	164.9
37.5°	812.5	742.7	550.5	372.4	246.9	157.9	133.6	127.5	134.6	133.6	137.6
40°	852.0	775.1	573.7	352.1	189.2	116.4	103.2	99.2	110.3	119.4	121.4
42.5°	907.7	813.5	596.0	313.7	128.5	85.0	78.9	92.1	108.3	118.4	119.4
45°	938.0	835.8	586.9	266.1	82.0	68.8	76.9	93.1	110.3	120.4	121.4
47.5°	974.4	865.2	570.7	207.4	65.8	67.8	77.9	95.1	113.3	122.4	122.4
50°	1010.9	894.5	531.2	162.9	61.7	66.8	79.9	96.1	112.3	118.4	118.4
52.5°	1032.1	919.8	484.7	118.4	60.7	66.8	81.0	97.1	111.3	114.3	114.3
55°	1051.3	921.8	444.2	88.0	59.7	67.8	82.0	99.2	112.3	115.4	114.3
57.5°	1062.5	908.7	415.9	75.9	58.7	67.8	83.0	101.2	120.4	127.5	125.5
60°	1056.4	888.4	394.6	70.8	57.7	67.8	84.0	107.3	152.8	164.9	160.9
62.5°	1046.3	874.3	350.1	64.8	55.7	67.8	85.0	121.4	170.0	176.1	171.0
65°	1033.1	832.8	299.5	58.7	53.6	66.8	86.0	131.5	161.9	161.9	160.9
67.5°	978.5	777.1	223.6	52.6	50.6	66.8	88.0	129.5	155.8	169.0	169.0
70°	905.6	684.0	147.7	46.5	47.6	64.8	92.1	131.5	160.9	179.1	177.1
72.5°	767.0	567.7	82.0	40.5	43.5	63.7	92.1	139.6	174.0	194.3	191.2
75°	626.4	419.9	58.7	36.4	39.5	61.7	93.1	144.7	186.2	207.4	202.4
77.5°	441.2	240.8	46.5	31.4	35.4	58.7	92.1	142.7	192.3	211.5	205.4
80°	186.2	87.0	38.5	28.3	30.4	52.6	85.0	136.6	192.3	223.6	220.6
82.5°	84.0	61.7	33.4	25.3	28.3	43.5	78.9	131.5	186.2	224.6	242.9
85°	65.8	50.6	28.3	22.3	25.3	41.5	70.8	125.5	178.1	207.4	227.7
87.5°	62.7	50.6	25.3	20.2	23.3	35.4	54.6	116.4	159.9	191.2	207.4
90°	67.8	52.6	20.2	17.2	21.2	31.4	44.5	98.2	138.6	168.0	168.0
92.5°	62.7	48.6	15.2	13.2	22.3	25.3	42.5	60.7	100.2	84.0	104.2
95°	52.6	40.5	10.1	9.1	21.2	21.2	23.3	28.3	69.8	2.0	0.0
97.5°	38.5	29.3	6.1	5.1	16.2	17.2	11.1	13.2	28.3	0.0	0.0
100°	28.3	19.2	4.0	4.0	10.1	14.2	7.1	7.1	0.0	0.0	0.0
102.5°	15.2	10.1	3.0	2.0	5.1	8.1	3.0	2.0	0.0	0.0	0.0
105°	8.1	4.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	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°
112.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
122.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	1.0	1.0	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)