

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: P691036

Luminaire Tested: **CRTK2-C013-5TLD-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691036
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-5TLD-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2809 lumens
Efficiency: N/A
Efficacy: 121.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G1

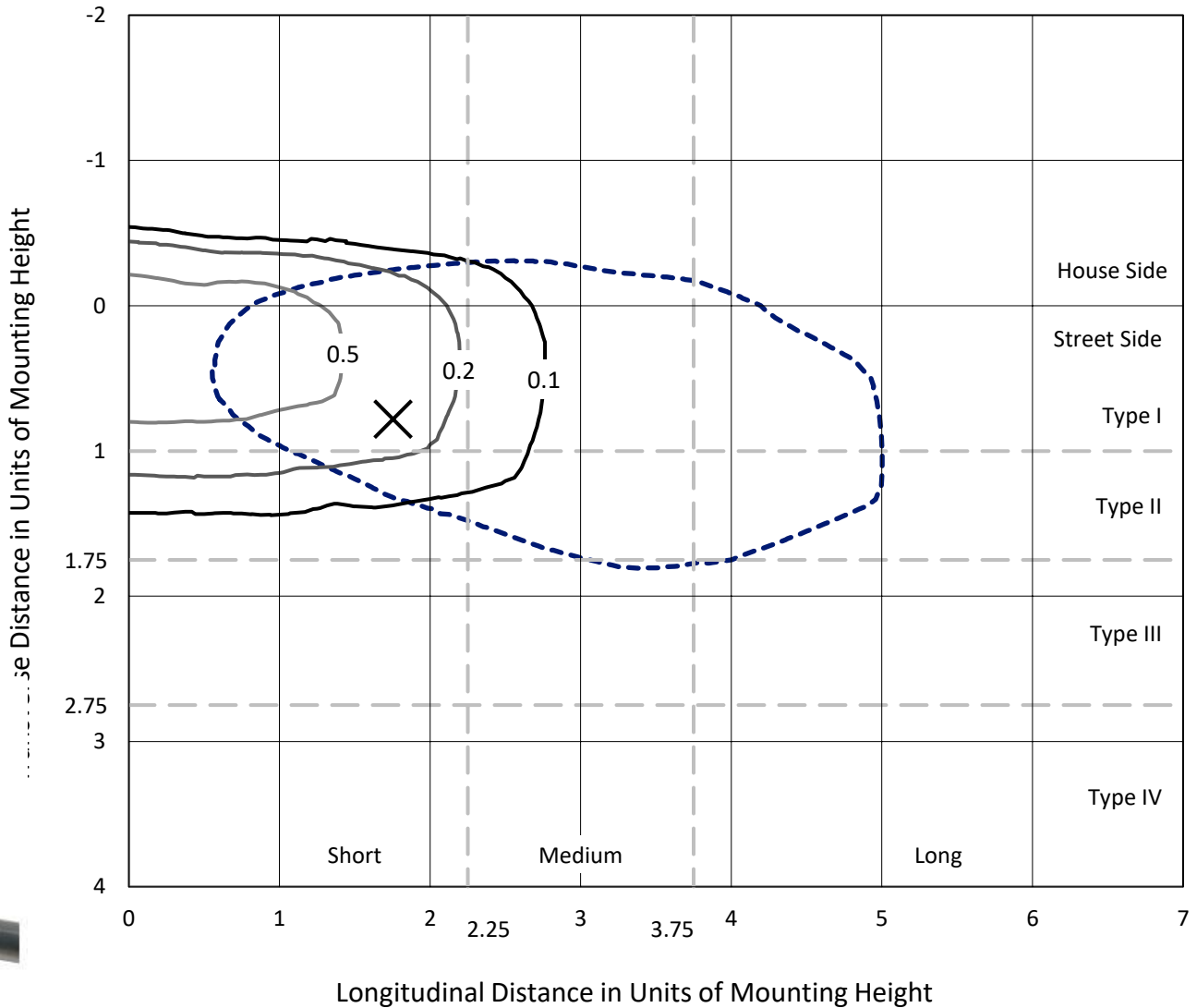
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

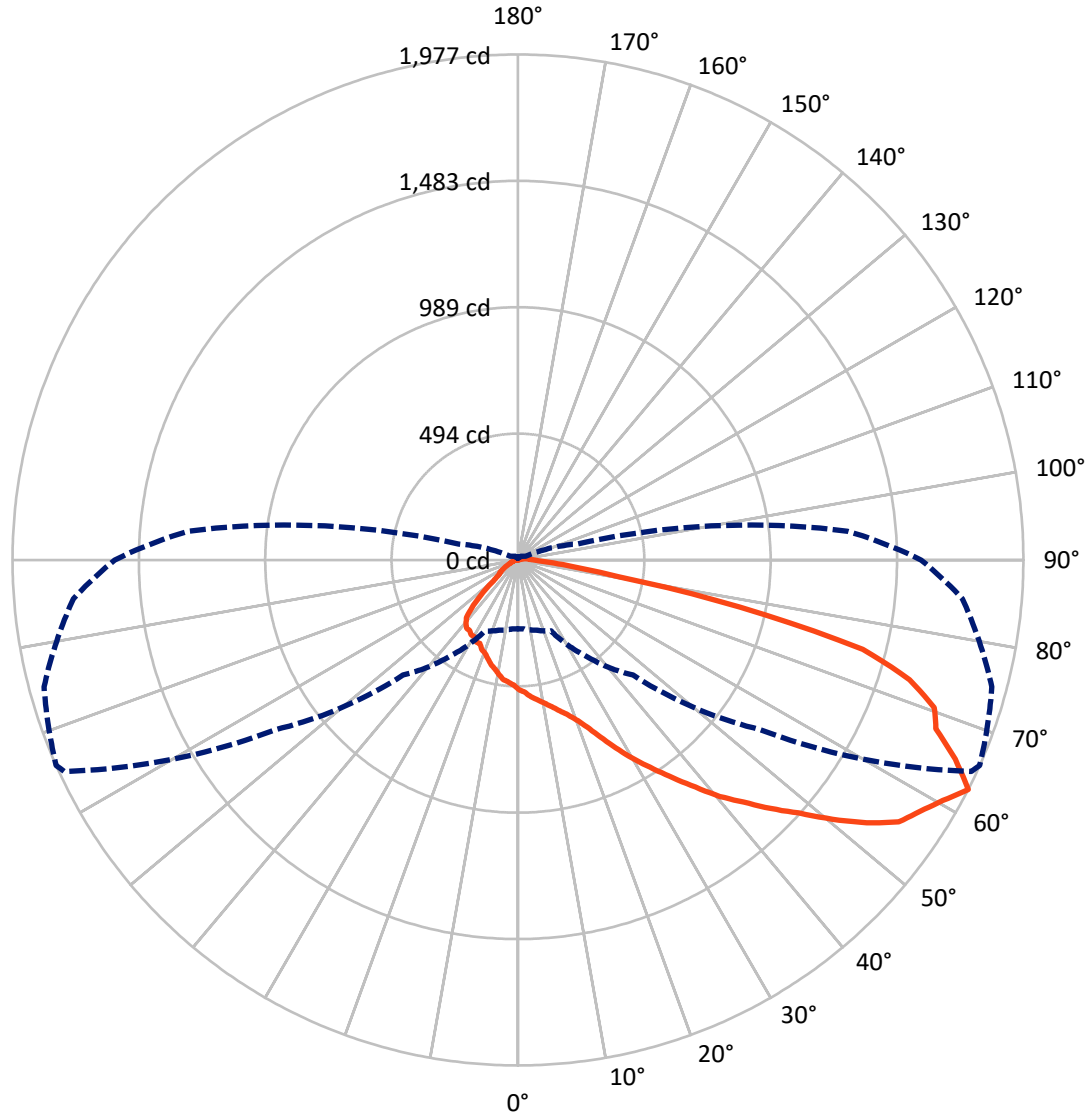
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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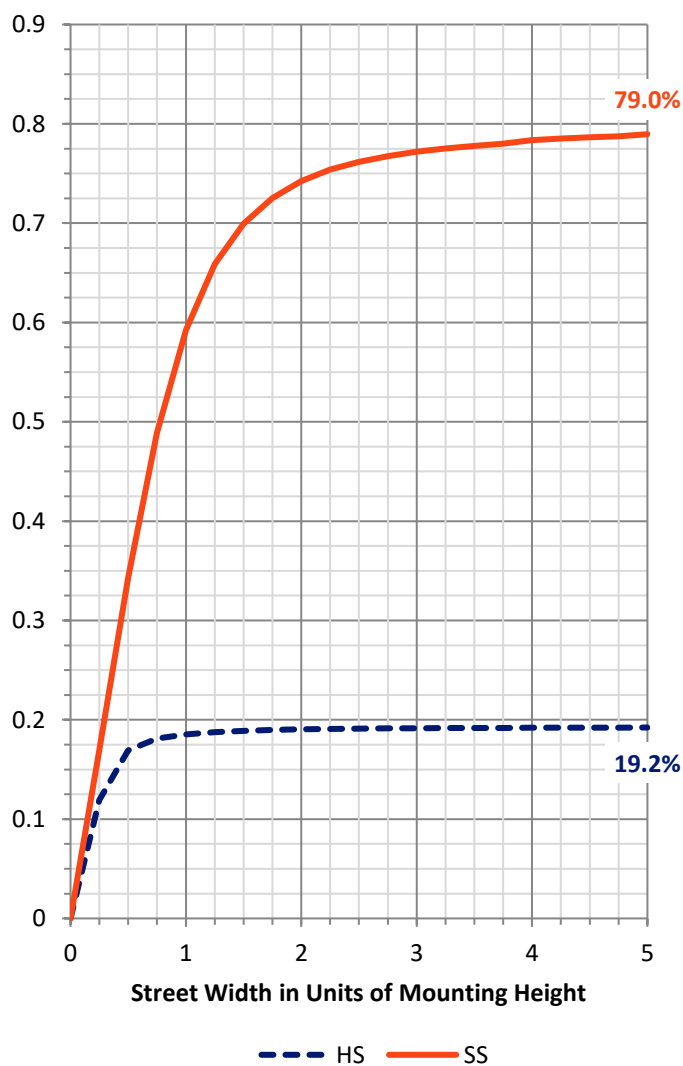
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	547.7	7.7	555.3
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	2232.2	21.4	2253.6
	% Fixture	79.5	0.8	80.2
Total	Lumens	2779.9	29.1	2809.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.2	1.7
10°-20°	141.3	5.0
20°-30°	237.8	8.5
30°-40°	353.7	12.6
40°-50°	467.9	16.7
50°-60°	544.8	19.4
60°-70°	543.9	19.4
70°-80°	365.0	13.0
80°-90°	77.1	2.7
90°-100°	23.5	0.8
100°-110°	4.1	0.1
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°	2779.9	99.0
0°-180°	2809.0	100.0

Coefficient of Utilization



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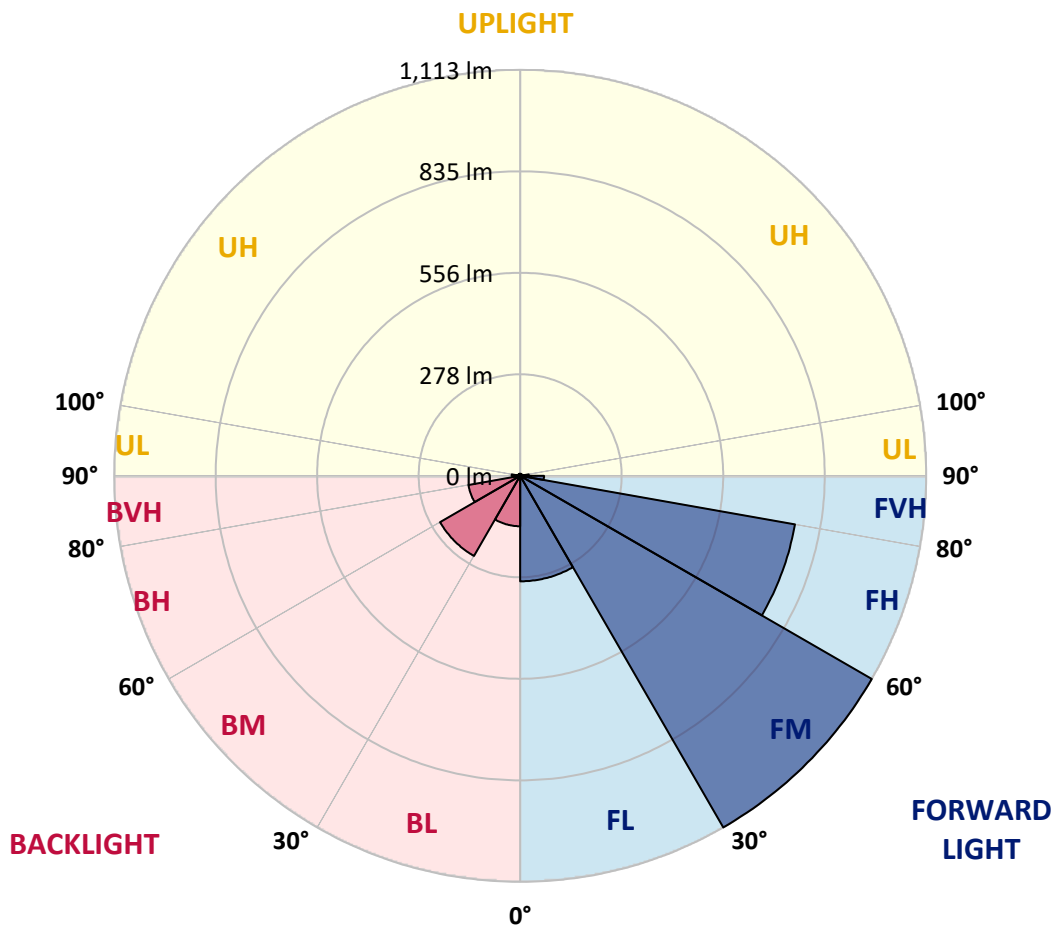
CATALOG NUMBER: CRTK2-C013-5TLD-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	289.2	10.3			
FM (30°-60°)	1112.8	39.6			
FH (60°-80°)	764.9	27.2			G1/1800
FVH (80°-90°)	65.3	2.3			G1/100
BL (0°-30°)	138.2	4.9	B1/500		
BM (30°-60°)	253.6	9.0	B1/1000		
BH (60°-80°)	144.0	5.1	B1/500		G1/500
BVH (80°-90°)	11.9	0.4			G1/100
UL (90°-100°)	23.5	0.8		U2/50	
UH (100°-180°)	5.6	0.2		U1/10	

BUG Rating: B1-U2-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5
2.5°	541.7	538.6	539.7	534.5	529.3	526.2	523.1	517.9	517.9	513.7	508.5
5°	580.1	581.2	580.1	573.9	567.7	558.4	546.9	537.6	537.6	528.3	515.8
7.5°	606.1	605.1	605.1	597.8	593.6	588.5	575.0	554.2	553.2	540.7	525.1
10°	616.5	617.5	621.7	611.3	607.1	599.9	592.6	571.8	569.8	549.0	524.1
12.5°	639.3	640.3	638.3	630.0	624.8	619.6	608.2	590.5	588.5	565.6	531.4
15°	666.3	666.3	663.2	654.9	651.8	644.5	631.0	614.4	612.3	586.4	544.9
17.5°	680.8	682.9	682.9	671.5	672.5	669.4	662.1	640.3	637.2	613.4	563.5
20°	688.1	689.1	691.2	691.2	690.2	689.1	693.3	673.6	671.5	643.5	585.3
22.5°	708.8	710.9	716.1	713.0	716.1	720.3	721.3	720.3	717.1	687.0	621.7
25°	718.2	724.4	731.7	741.0	750.4	756.6	771.1	778.4	776.3	747.2	678.7
27.5°	707.8	714.0	740.0	757.6	786.7	804.3	831.3	842.7	841.7	817.8	737.9
30°	725.4	727.5	738.9	763.8	801.2	850.0	887.3	905.0	909.1	887.3	800.2
32.5°	699.5	706.8	738.9	785.6	841.7	893.6	929.9	969.3	974.5	965.2	882.2
35°	697.4	702.6	720.3	771.1	842.7	939.2	989.1	1043.0	1047.2	1050.3	965.2
37.5°	668.4	675.6	710.9	775.3	873.9	969.3	1038.9	1116.7	1127.1	1139.5	1034.7
40°	636.2	641.4	671.5	740.0	866.6	1004.6	1086.6	1206.0	1216.3	1231.9	1127.1
42.5°	588.5	599.9	650.7	724.4	862.4	1015.0	1134.4	1284.8	1294.2	1316.0	1204.9
45°	545.9	551.1	590.5	671.5	829.2	1033.7	1174.8	1377.2	1386.5	1396.9	1266.2
47.5°	512.7	518.9	556.3	628.9	796.0	1029.5	1212.2	1468.5	1478.9	1502.8	1341.9
50°	406.8	422.4	516.8	587.4	741.0	1021.2	1244.4	1570.2	1594.1	1603.5	1420.8
52.5°	349.7	354.9	403.7	550.1	687.0	991.1	1272.4	1681.3	1708.3	1690.6	1526.7
55°	325.9	329.0	352.9	476.4	638.3	929.9	1295.2	1788.2	1807.9	1751.9	1604.5
57.5°	308.2	313.4	323.8	386.1	581.2	827.2	1296.3	1847.3	1854.6	1802.7	1641.9
60°	285.4	287.5	309.3	336.3	516.8	720.3	1261.0	1877.4	1909.6	1861.9	1717.6
62.5°	268.8	270.9	284.4	306.2	455.6	636.2	1157.2	1957.4	1977.1	1919.0	1745.6
65°	248.0	251.2	262.6	284.4	413.1	585.3	1105.3	1936.6	1879.5	1905.5	1777.8
67.5°	226.2	228.3	240.8	257.4	351.8	536.6	976.6	1804.8	1763.3	1838.0	1691.7
70°	203.4	205.5	216.9	228.3	289.6	476.4	813.7	1692.7	1728.0	1732.1	1610.7
72.5°	179.5	181.6	192.0	201.3	239.7	400.6	646.6	1580.6	1602.4	1539.1	1422.9
75°	155.7	156.7	165.0	174.4	199.3	322.8	462.9	1310.8	1393.8	1470.6	1227.8
77.5°	125.6	127.7	136.0	139.1	159.8	260.5	299.9	779.4	888.4	1286.9	1102.2
80°	92.4	93.4	101.7	100.7	119.4	189.9	188.9	370.5	398.5	795.0	809.5
82.5°	61.2	63.3	70.6	68.5	81.0	115.2	118.3	199.3	212.8	308.2	354.9
85°	48.8	49.8	54.0	49.8	54.0	58.1	65.4	120.4	122.5	182.7	181.6
87.5°	39.4	40.5	44.6	41.5	42.6	44.6	51.9	76.8	78.9	115.2	119.4
90°	31.1	32.2	37.4	34.2	34.2	37.4	43.6	57.1	60.2	90.3	97.6
92.5°	20.8	20.8	23.9	22.8	22.8	27.0	38.4	42.6	45.7	84.1	88.2
95°	15.6	15.6	16.6	16.6	16.6	19.7	29.1	40.5	44.6	82.0	79.9
97.5°	10.4	10.4	11.4	11.4	11.4	12.5	16.6	33.2	37.4	66.4	65.4
100°	7.3	7.3	7.3	6.2	6.2	6.2	9.3	21.8	24.9	42.6	42.6
102.5°	5.2	4.2	4.2	4.2	3.1	3.1	4.2	10.4	11.4	22.8	21.8
105°	1.0	1.0	2.1	2.1	2.1	1.0	1.0	4.2	4.2	9.3	9.3
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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°	66°	75°	85°
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	1.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0
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	1.0
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°	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5	507.5
2.5°	505.4	502.3	495.0	488.8	483.6	478.4	470.1	467.0	464.9	468.1	468.1
5°	508.5	500.2	487.8	477.4	468.1	456.6	444.2	436.9	430.7	433.8	433.8
7.5°	513.7	502.3	486.7	469.1	445.2	425.5	409.9	400.6	395.4	398.5	400.6
10°	510.6	498.2	477.4	450.4	422.4	401.6	381.9	367.4	362.2	360.1	362.2
12.5°	513.7	499.2	463.9	431.7	404.8	371.5	347.7	332.1	325.9	325.9	325.9
15°	524.1	502.3	455.6	418.2	376.7	344.6	319.7	303.0	301.0	293.7	293.7
17.5°	538.6	505.4	452.5	397.5	351.8	318.6	289.6	273.0	267.8	268.8	268.8
20°	553.2	511.7	446.3	379.8	329.0	289.6	259.5	243.9	231.4	227.3	229.4
22.5°	578.1	529.3	441.1	370.5	303.0	265.7	232.5	206.5	185.8	179.5	176.4
25°	614.4	557.3	448.3	348.7	287.5	238.7	199.3	162.9	138.0	131.8	130.8
27.5°	680.8	600.9	456.6	348.7	262.6	214.8	158.8	120.4	100.7	94.4	96.5
30°	743.1	660.1	480.5	330.0	252.2	172.3	118.3	90.3	72.6	65.4	67.5
32.5°	795.0	716.1	513.7	325.9	222.1	127.7	86.1	63.3	50.9	46.7	47.7
35°	869.7	763.8	539.7	311.3	182.7	93.4	60.2	44.6	39.4	37.4	37.4
37.5°	941.3	822.0	565.6	308.2	134.9	68.5	40.5	36.3	35.3	32.2	32.2
40°	1009.8	881.1	577.0	290.6	95.5	44.6	34.2	33.2	32.2	29.1	29.1
42.5°	1093.9	938.2	587.4	267.8	66.4	33.2	30.1	31.1	30.1	27.0	25.9
45°	1158.2	976.6	590.5	209.6	42.6	31.1	28.0	29.1	28.0	24.9	24.9
47.5°	1212.2	1028.5	578.1	143.2	35.3	29.1	25.9	27.0	25.9	23.9	22.8
50°	1267.2	1076.2	566.7	76.8	33.2	28.0	24.9	22.8	23.9	21.8	20.8
52.5°	1341.9	1111.5	536.6	46.7	31.1	25.9	22.8	20.8	20.8	18.7	19.7
55°	1444.7	1198.7	480.5	43.6	30.1	24.9	21.8	18.7	18.7	16.6	16.6
57.5°	1490.3	1232.9	390.2	39.4	29.1	24.9	19.7	16.6	14.5	13.5	12.5
60°	1546.4	1283.8	307.2	36.3	27.0	23.9	17.6	14.5	11.4	10.4	10.4
62.5°	1577.5	1294.2	239.7	33.2	25.9	20.8	15.6	11.4	9.3	7.3	7.3
65°	1593.1	1286.9	159.8	30.1	23.9	19.7	13.5	9.3	6.2	5.2	5.2
67.5°	1533.9	1248.5	92.4	28.0	22.8	17.6	11.4	7.3	5.2	4.2	3.1
70°	1433.2	1136.4	58.1	24.9	21.8	15.6	10.4	6.2	4.2	3.1	2.1
72.5°	1314.9	927.8	42.6	22.8	20.8	13.5	8.3	5.2	3.1	2.1	2.1
75°	1200.8	808.5	36.3	19.7	17.6	11.4	7.3	4.2	3.1	2.1	1.0
77.5°	859.3	551.1	32.2	17.6	15.6	9.3	5.2	4.2	2.1	1.0	1.0
80°	610.2	323.8	29.1	14.5	12.5	7.3	5.2	3.1	2.1	1.0	1.0
82.5°	292.7	168.1	28.0	12.5	9.3	6.2	4.2	3.1	2.1	1.0	1.0
85°	132.8	71.6	20.8	11.4	8.3	6.2	4.2	3.1	2.1	2.1	1.0
87.5°	81.0	37.4	16.6	9.3	6.2	5.2	3.1	2.1	2.1	2.1	2.1
90°	75.8	48.8	12.5	7.3	5.2	4.2	3.1	1.0	0.0	0.0	0.0
92.5°	72.6	56.0	9.3	5.2	3.1	3.1	1.0	0.0	0.0	0.0	0.0
95°	68.5	52.9	10.4	3.1	5.2	2.1	1.0	0.0	0.0	0.0	0.0
97.5°	54.0	41.5	11.4	3.1	25.9	2.1	1.0	0.0	0.0	0.0	0.0
100°	34.2	25.9	8.3	3.1	31.1	2.1	0.0	0.0	0.0	0.0	0.0
102.5°	19.7	14.5	4.2	3.1	9.3	1.0	0.0	0.0	0.0	0.0	0.0
105°	8.3	7.3	2.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	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	1.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	1.0	1.0	1.0	1.0	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	1.0	1.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
127.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
130°	1.0	1.0	1.0	2.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0
132.5°	1.0	1.0	1.0	2.1	1.0	1.0	1.0	0.0	0.0	0.0	0.0
135°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
137.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
140°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
142.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
145°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
147.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
150°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
152.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
155°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
157.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
160°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0
167.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
170°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.0	1.0	1.0	1.0	1.0	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)