

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: P691075

Luminaire Tested: **CRTK2-C013-5TLD-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691075
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-C013-5TLD-U-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3166.9 lumens
Efficiency: N/A
Efficacy: 136.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

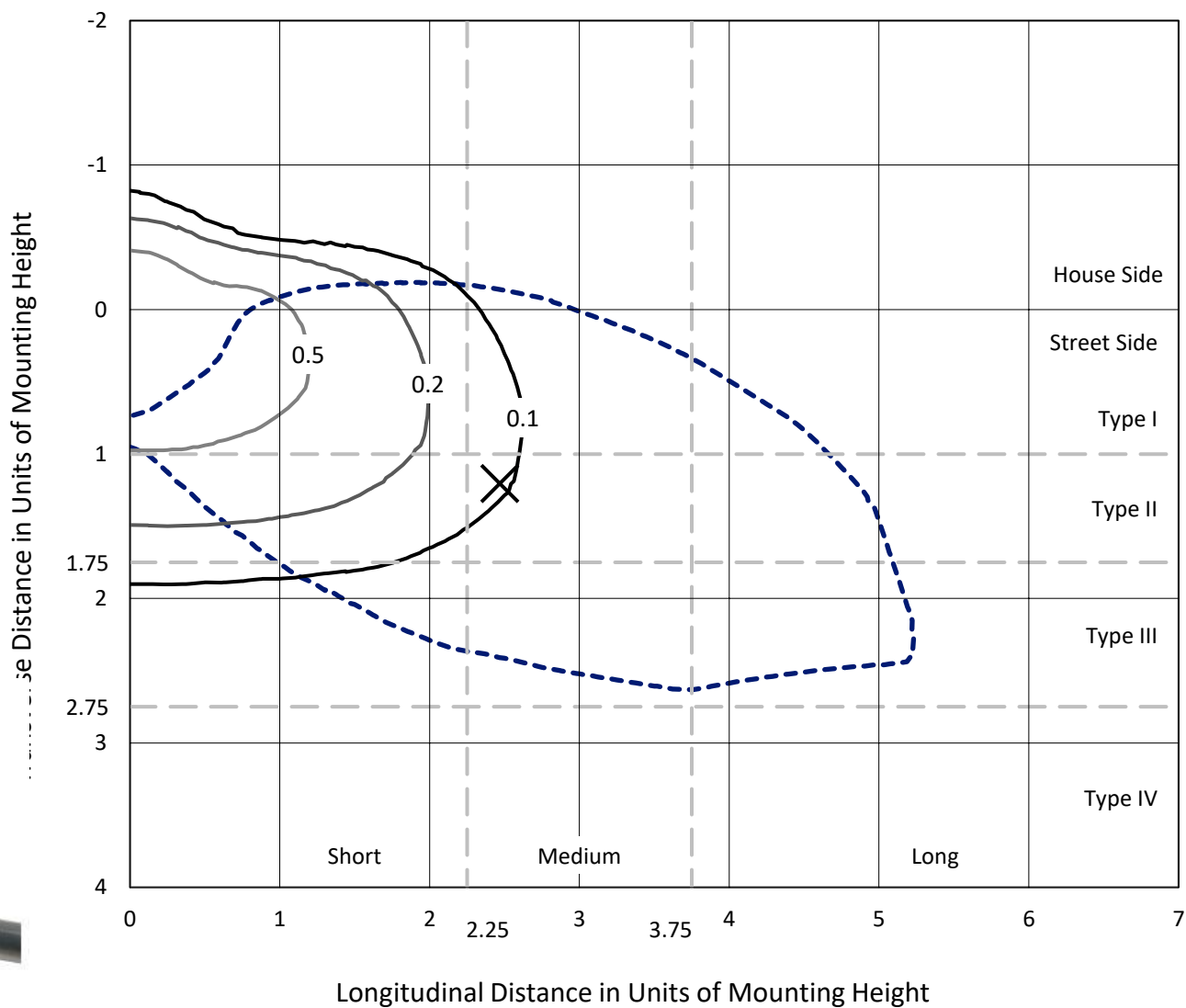
Input Watts (W): 23.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

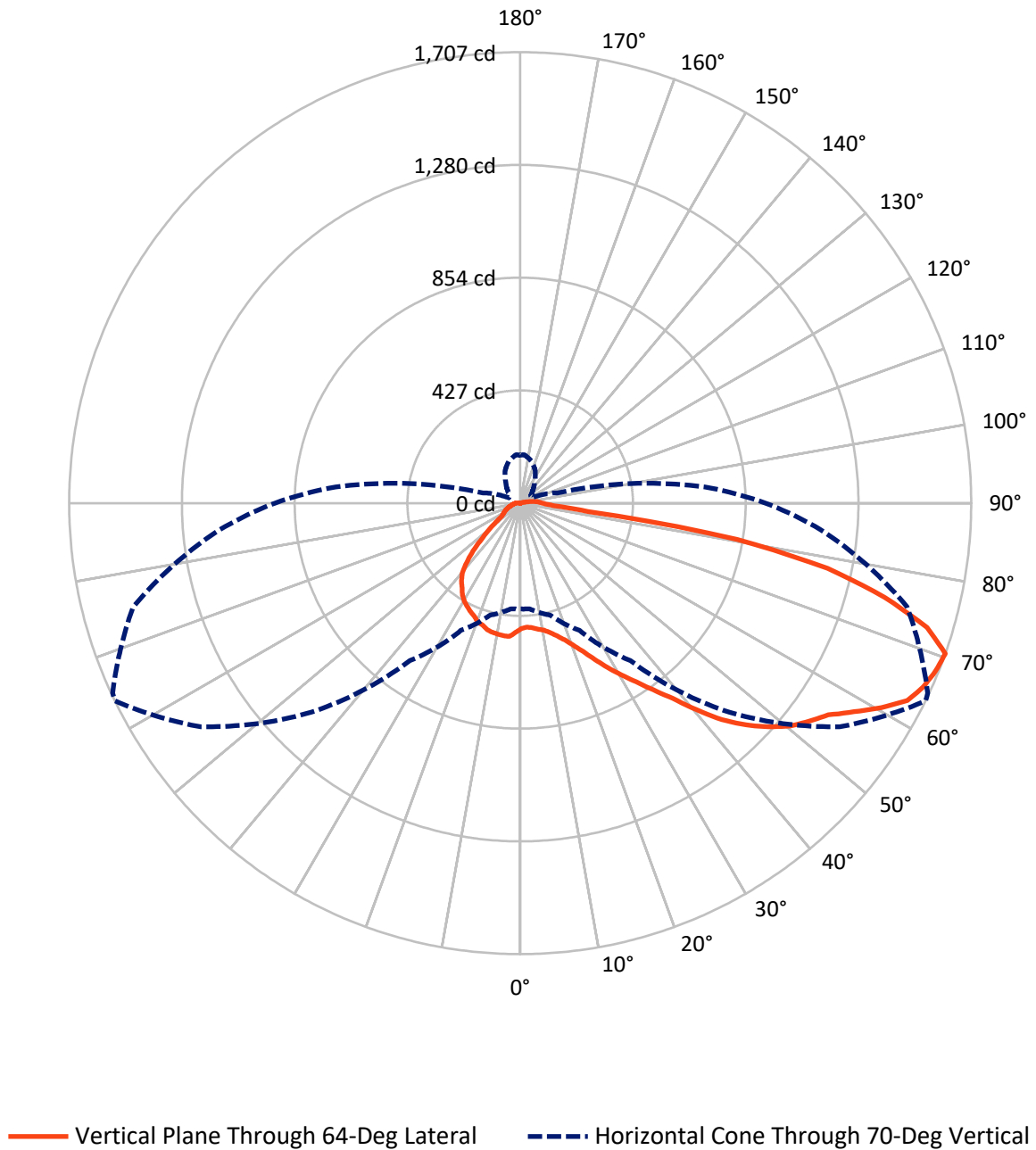
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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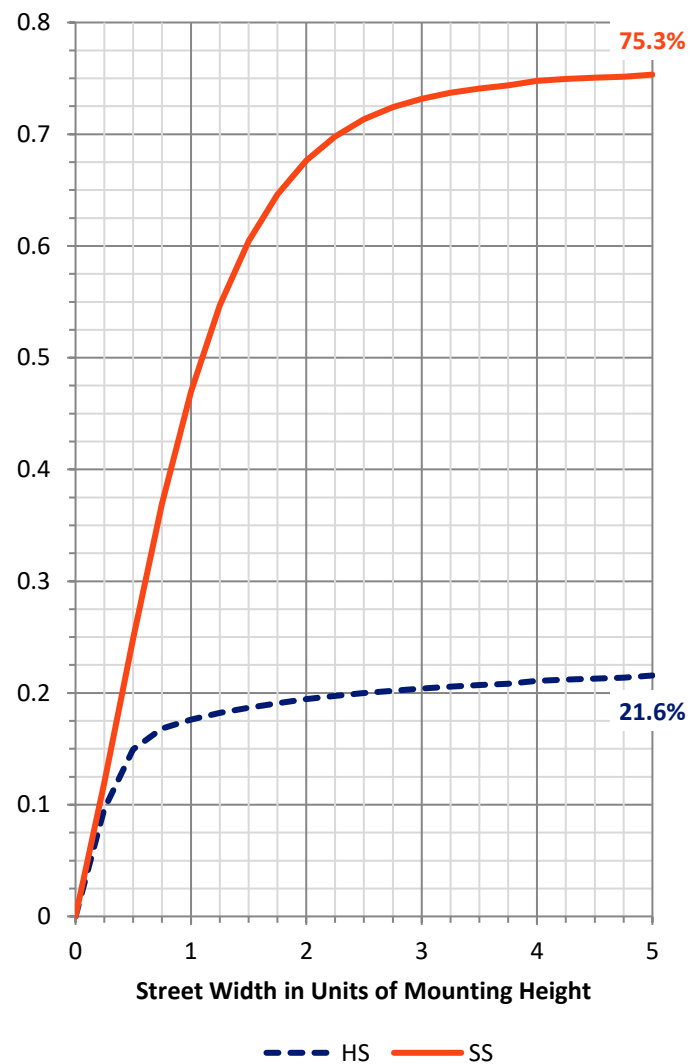
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	722.0	19.5	741.5
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	2400.2	25.2	2425.4
	% Fixture	75.8	0.8	76.6
Total	Lumens	3122.2	44.8	3166.9
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.4	1.5
10°-20°	147.5	4.7
20°-30°	255.8	8.1
30°-40°	371.2	11.7
40°-50°	498.2	15.7
50°-60°	602.3	19.0
60°-70°	648.3	20.5
70°-80°	445.3	14.1
80°-90°	106.2	3.4
90°-100°	38.5	1.2
100°-110°	4.8	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°	3122.2	98.6
0°-180°	3166.9	100.0

Coefficient of Utilization



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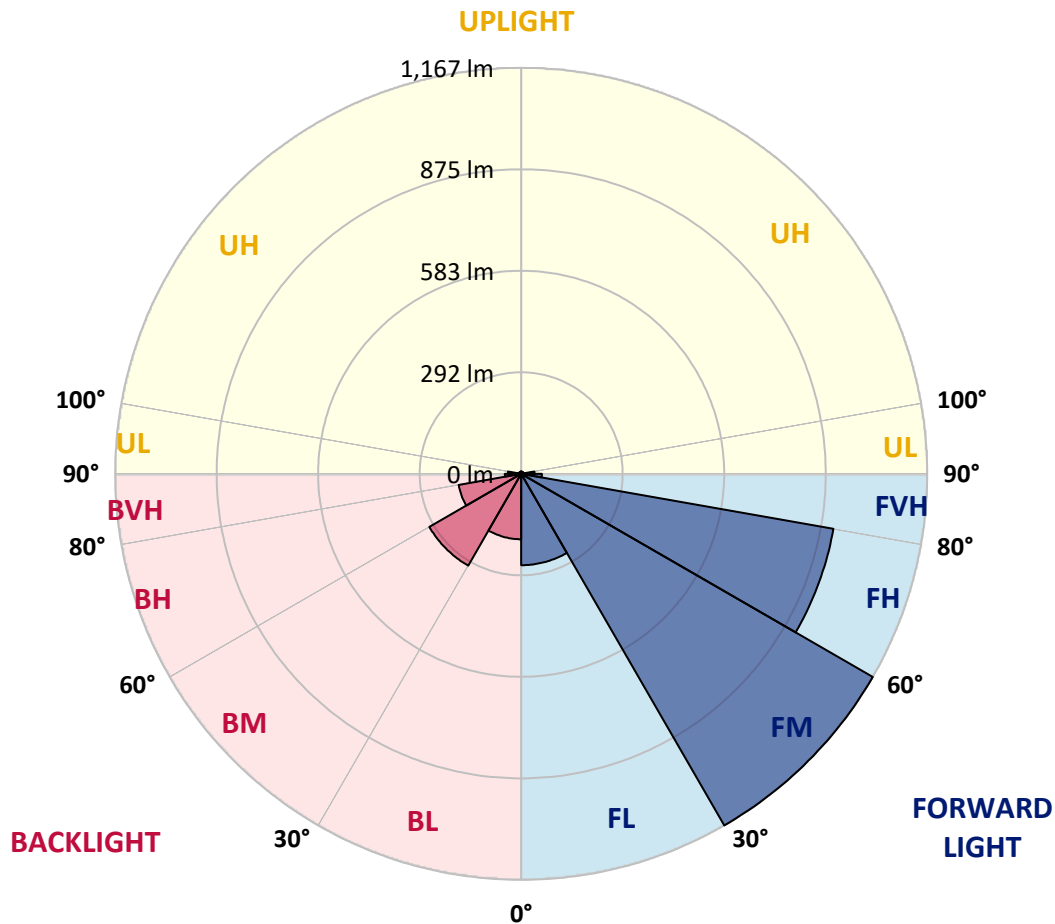
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	262.6	8.3			
FM	(30°-60°)	1167.0	36.8			
FH	(60°-80°)	911.2	28.8			G1/1800
FVH	(80°-90°)	59.4	1.9			G1/100
BL	(0°-30°)	188.0	5.9	B1/500		
BM	(30°-60°)	304.7	9.6	B1/1000		
BH	(60°-80°)	182.4	5.8	B1/500		G1/500
BVH	(80°-90°)	46.8	1.5			G1/100
UL	(90°-100°)	38.5	1.2		U2/50	
UH	(100°-180°)	6.3	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°	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3
2.5°	471.1	471.1	470.1	470.1	471.1	472.2	471.1	470.1	471.1	472.2	475.3
5°	489.8	488.8	487.7	483.6	479.4	476.3	474.3	473.2	474.3	478.4	485.7
7.5°	502.3	501.2	501.2	500.2	496.1	487.7	482.6	481.5	481.5	482.6	491.9
10°	528.2	526.1	522.0	514.7	510.6	500.2	490.9	488.8	488.8	490.9	502.3
12.5°	556.2	552.1	553.1	544.8	532.4	521.0	507.5	502.3	500.2	502.3	508.5
15°	594.6	591.5	583.2	573.9	561.4	545.9	529.3	521.0	519.9	523.0	517.8
17.5°	622.7	618.5	619.5	606.1	595.7	574.9	559.4	543.8	543.8	547.9	534.4
20°	651.7	649.6	652.8	649.6	634.1	615.4	592.6	573.9	570.8	572.8	553.1
22.5°	689.1	686.0	686.0	687.0	674.5	655.9	628.9	610.2	609.2	600.9	573.9
25°	727.5	724.4	723.3	725.4	723.3	701.5	673.5	654.8	651.7	640.3	601.9
27.5°	763.8	763.8	764.8	766.9	770.0	752.4	725.4	704.6	704.6	692.2	639.3
30°	790.8	790.8	800.1	804.3	807.4	803.2	774.2	754.5	756.5	739.9	681.8
32.5°	815.7	816.7	827.1	837.5	840.6	843.7	818.8	806.3	806.3	790.8	727.5
35°	840.6	840.6	855.1	875.9	886.3	883.1	871.7	867.6	868.6	865.5	794.9
37.5°	860.3	862.4	884.2	910.1	924.6	929.8	923.6	937.1	949.6	958.9	883.1
40°	880.0	880.0	900.8	928.8	954.7	969.3	977.6	1028.4	1037.8	1040.9	932.9
42.5°	859.3	864.5	908.0	949.6	982.8	1007.7	1045.0	1120.8	1132.2	1096.9	1000.4
45°	839.6	845.8	889.4	958.9	1006.6	1056.4	1120.8	1197.6	1206.9	1154.0	1040.9
47.5°	819.8	827.1	874.8	950.6	1028.4	1110.4	1179.9	1265.0	1269.2	1200.7	1086.5
50°	799.1	806.3	857.2	941.3	1041.9	1165.4	1239.1	1326.3	1326.3	1242.2	1113.5
52.5°	773.1	781.4	833.3	926.7	1052.3	1202.8	1293.1	1370.9	1362.6	1292.0	1143.6
55°	739.9	751.3	806.3	906.0	1056.4	1222.5	1327.3	1414.5	1412.4	1353.2	1182.0
57.5°	704.6	714.0	773.1	879.0	1052.3	1236.0	1363.6	1490.2	1493.3	1406.2	1212.1
60°	665.2	671.4	728.5	841.6	1025.3	1259.8	1445.6	1571.2	1575.3	1454.9	1223.5
62.5°	613.3	617.5	671.4	790.8	989.0	1275.4	1504.8	1644.9	1642.8	1498.5	1225.6
65°	547.9	553.1	604.0	723.3	935.0	1265.0	1519.3	1677.0	1679.1	1519.3	1222.5
67.5°	484.6	487.7	530.3	634.1	847.9	1215.2	1504.8	1695.7	1705.0	1536.9	1192.4
70°	400.6	401.6	439.0	531.3	727.5	1119.7	1475.7	1707.1	1701.9	1516.2	1140.5
72.5°	308.2	309.3	337.3	406.8	565.6	953.7	1373.0	1610.6	1601.3	1402.0	1028.4
75°	219.0	223.1	239.7	285.4	378.8	696.3	1174.7	1425.9	1432.1	1247.4	857.2
77.5°	124.5	128.7	142.2	178.5	217.9	390.2	887.3	1189.3	1193.4	1049.2	657.9
80°	54.0	55.0	60.2	85.1	116.2	186.8	454.5	833.3	893.5	712.9	375.7
82.5°	45.7	45.7	47.7	49.8	50.9	85.1	176.4	258.4	266.7	210.7	122.5
85°	39.4	39.4	41.5	43.6	44.6	58.1	106.9	129.7	134.9	120.4	86.1
87.5°	31.1	31.1	34.2	36.3	36.3	47.7	79.9	96.5	99.6	96.5	76.8
90°	28.0	28.0	27.0	27.0	28.0	34.2	62.3	80.9	84.1	102.7	88.2
92.5°	23.9	24.9	24.9	24.9	21.8	24.9	44.6	71.6	77.8	101.7	79.9
95°	23.9	22.8	22.8	21.8	20.8	21.8	33.2	62.3	69.5	88.2	67.5
97.5°	16.6	15.6	16.6	17.6	18.7	19.7	28.0	45.7	50.9	68.5	49.8
100°	10.4	10.4	10.4	10.4	12.5	13.5	22.8	28.0	31.1	43.6	33.2
102.5°	6.2	5.2	5.2	5.2	6.2	8.3	11.4	15.6	16.6	24.9	19.7
105°	2.1	2.1	2.1	2.1	3.1	4.2	4.2	6.2	6.2	8.3	8.3
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°	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3	475.3
2.5°	477.4	479.4	483.6	488.8	495.0	500.2	504.4	505.4	507.5	507.5	509.5
5°	487.7	491.9	498.1	505.4	508.5	506.4	506.4	507.5	509.5	514.7	516.8
7.5°	499.2	502.3	502.3	505.4	511.6	509.5	508.5	507.5	507.5	505.4	508.5
10°	503.3	499.2	504.4	503.3	501.2	505.4	506.4	500.2	501.2	501.2	502.3
12.5°	504.4	504.4	500.2	500.2	500.2	490.9	488.8	494.0	488.8	490.9	489.8
15°	515.8	507.5	502.3	496.1	487.7	484.6	477.4	469.1	469.1	471.1	471.1
17.5°	524.1	515.8	500.2	483.6	480.5	466.0	460.8	458.7	457.7	458.7	460.8
20°	536.5	524.1	498.1	481.5	454.5	449.4	440.0	439.0	436.9	429.6	427.6
22.5°	553.1	533.4	497.1	463.9	442.1	424.4	407.8	397.5	396.4	391.2	388.1
25°	571.8	552.1	501.2	455.6	419.3	393.3	379.8	356.0	344.5	348.7	346.6
27.5°	610.2	573.9	508.5	444.2	400.6	360.1	329.0	314.4	299.9	299.9	302.0
30°	645.5	601.9	508.5	433.8	369.4	320.7	280.2	257.4	251.1	247.0	244.9
32.5°	698.4	637.2	530.3	419.3	340.4	269.8	224.2	197.2	198.2	202.4	201.3
35°	759.6	693.2	536.5	398.5	297.8	219.0	173.3	158.8	167.1	169.2	169.2
37.5°	833.3	761.7	564.5	381.9	253.2	161.9	137.0	130.8	138.0	137.0	141.1
40°	873.8	794.9	588.4	361.1	194.1	119.3	105.9	101.7	113.1	122.5	124.5
42.5°	930.9	834.4	611.2	321.7	131.8	87.2	80.9	94.4	111.0	121.4	122.5
45°	962.0	857.2	601.9	272.9	84.1	70.6	78.9	95.5	113.1	123.5	124.5
47.5°	999.4	887.3	585.3	212.7	67.5	69.5	79.9	97.5	116.2	125.6	125.6
50°	1036.7	917.4	544.8	167.1	63.3	68.5	82.0	98.6	115.2	121.4	121.4
52.5°	1058.5	943.3	497.1	121.4	62.3	68.5	83.0	99.6	114.2	117.3	117.3
55°	1078.2	945.4	455.6	90.3	61.2	69.5	84.1	101.7	115.2	118.3	117.3
57.5°	1089.7	931.9	426.5	77.8	60.2	69.5	85.1	103.8	123.5	130.8	128.7
60°	1083.4	911.2	404.7	72.6	59.2	69.5	86.1	110.0	156.7	169.2	165.0
62.5°	1073.0	896.6	359.1	66.4	57.1	69.5	87.2	124.5	174.3	180.6	175.4
65°	1059.6	854.1	307.2	60.2	55.0	68.5	88.2	134.9	166.0	166.0	165.0
67.5°	1003.5	797.0	229.3	54.0	51.9	68.5	90.3	132.8	159.8	173.3	173.3
70°	928.8	701.5	151.5	47.7	48.8	66.4	94.4	134.9	165.0	183.7	181.6
72.5°	786.6	582.2	84.1	41.5	44.6	65.4	94.4	143.2	178.5	199.3	196.1
75°	642.4	430.7	60.2	37.4	40.5	63.3	95.5	148.4	190.9	212.7	207.6
77.5°	452.5	247.0	47.7	32.2	36.3	60.2	94.4	146.3	197.2	216.9	210.7
80°	190.9	89.2	39.4	29.1	31.1	54.0	87.2	140.1	197.2	229.3	226.2
82.5°	86.1	63.3	34.2	25.9	29.1	44.6	80.9	134.9	190.9	230.4	249.1
85°	67.5	51.9	29.1	22.8	25.9	42.5	72.6	128.7	182.6	212.7	233.5
87.5°	64.3	51.9	25.9	20.8	23.9	36.3	56.0	119.3	164.0	196.1	212.7
90°	69.5	54.0	20.8	17.6	21.8	32.2	45.7	100.7	142.2	172.3	172.3
92.5°	64.3	49.8	15.6	13.5	22.8	25.9	43.6	62.3	102.7	86.1	106.9
95°	54.0	41.5	10.4	9.3	21.8	21.8	23.9	29.1	71.6	2.1	0.0
97.5°	39.4	30.1	6.2	5.2	16.6	17.6	11.4	13.5	29.1	0.0	0.0
100°	29.1	19.7	4.2	4.2	10.4	14.5	7.3	7.3	0.0	0.0	0.0
102.5°	15.6	10.4	3.1	2.1	5.2	8.3	3.1	2.1	0.0	0.0	0.0
105°	8.3	4.2	1.0	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.1	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)