

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: P691071

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691071
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-C013-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 2709 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - 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



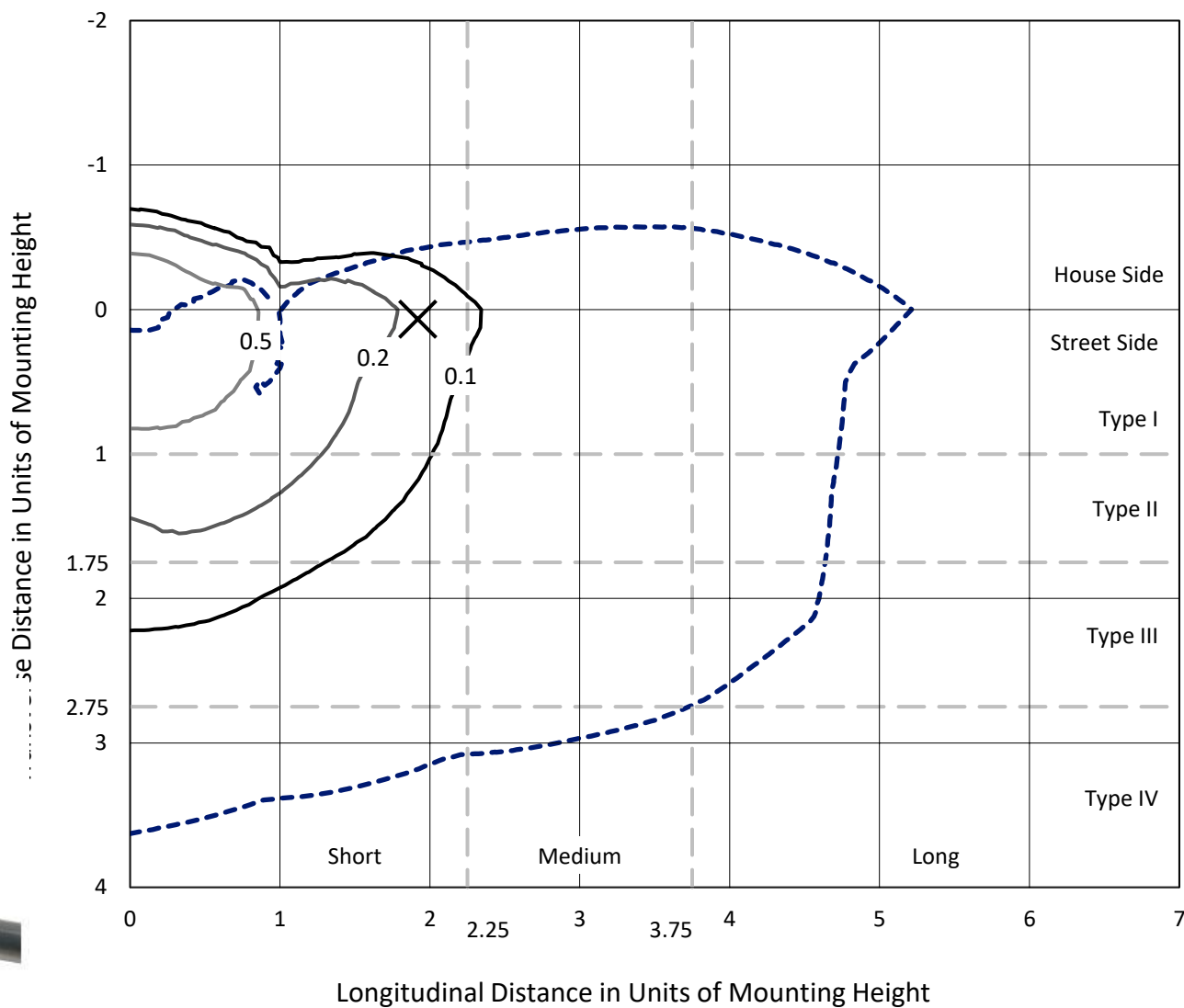
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

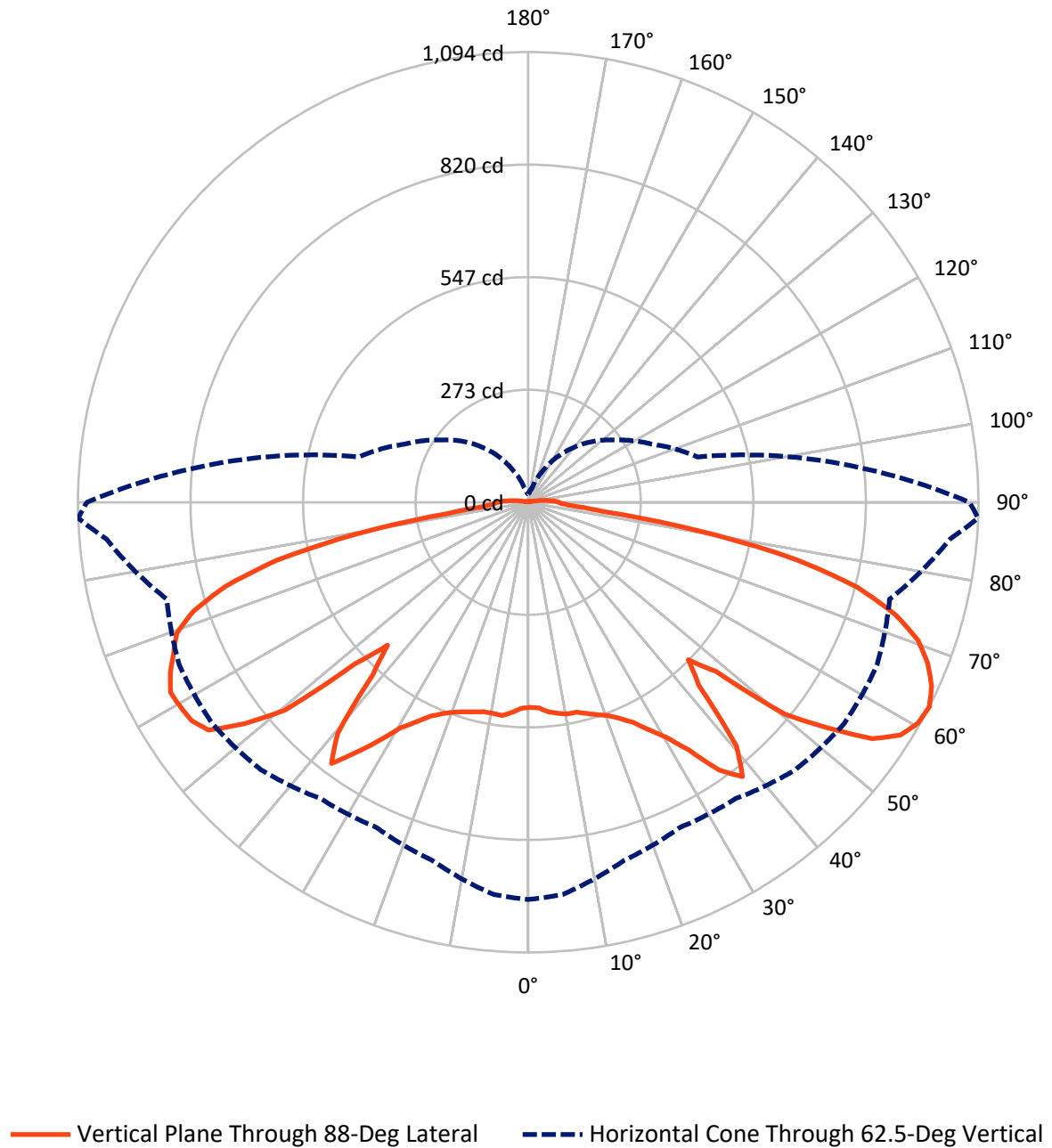


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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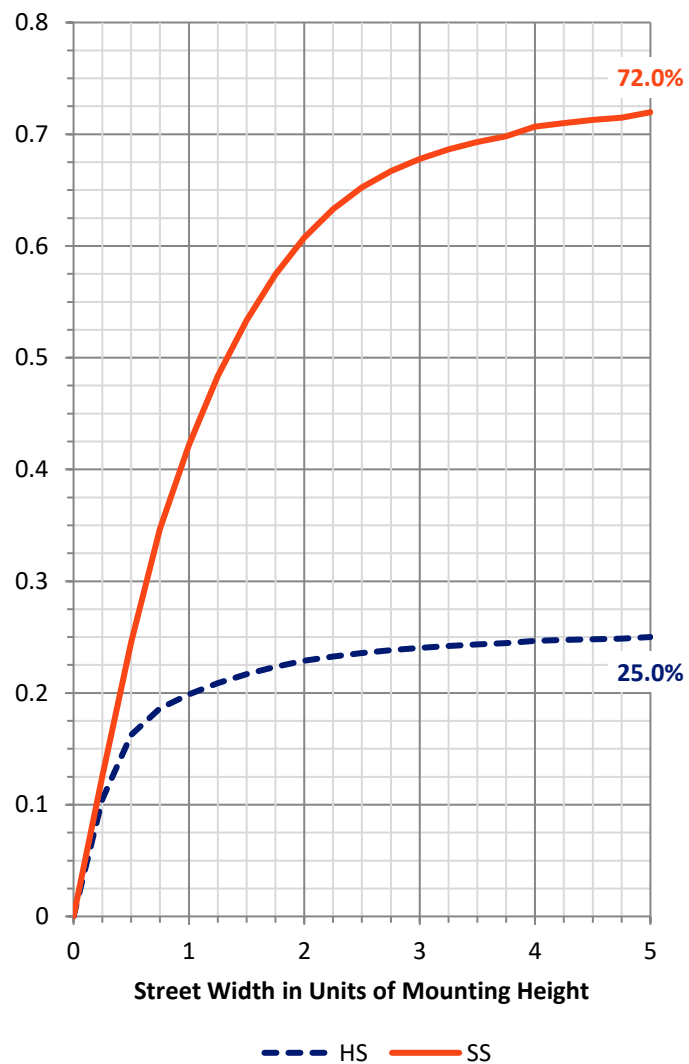
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	689.2	13.0	702.2
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	1974.8	32.0	2006.8
	% Fixture	72.9	1.2	74.1
Total	Lumens	2664.0	45.0	2709.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	49.1	1.8
10°-20°	149.9	5.5
20°-30°	253.9	9.4
30°-40°	350.5	12.9
40°-50°	303.1	11.2
50°-60°	438.8	16.2
60°-70°	574.5	21.2
70°-80°	435.5	16.1
80°-90°	108.7	4.0
90°-100°	32.0	1.2
100°-110°	7.4	0.3
110°-120°	3.3	0.1
120°-130°	2.1	0.1
130°-140°	0.2	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°	2664.0	98.3
0°-180°	2709.0	100.0

Coefficient of Utilization



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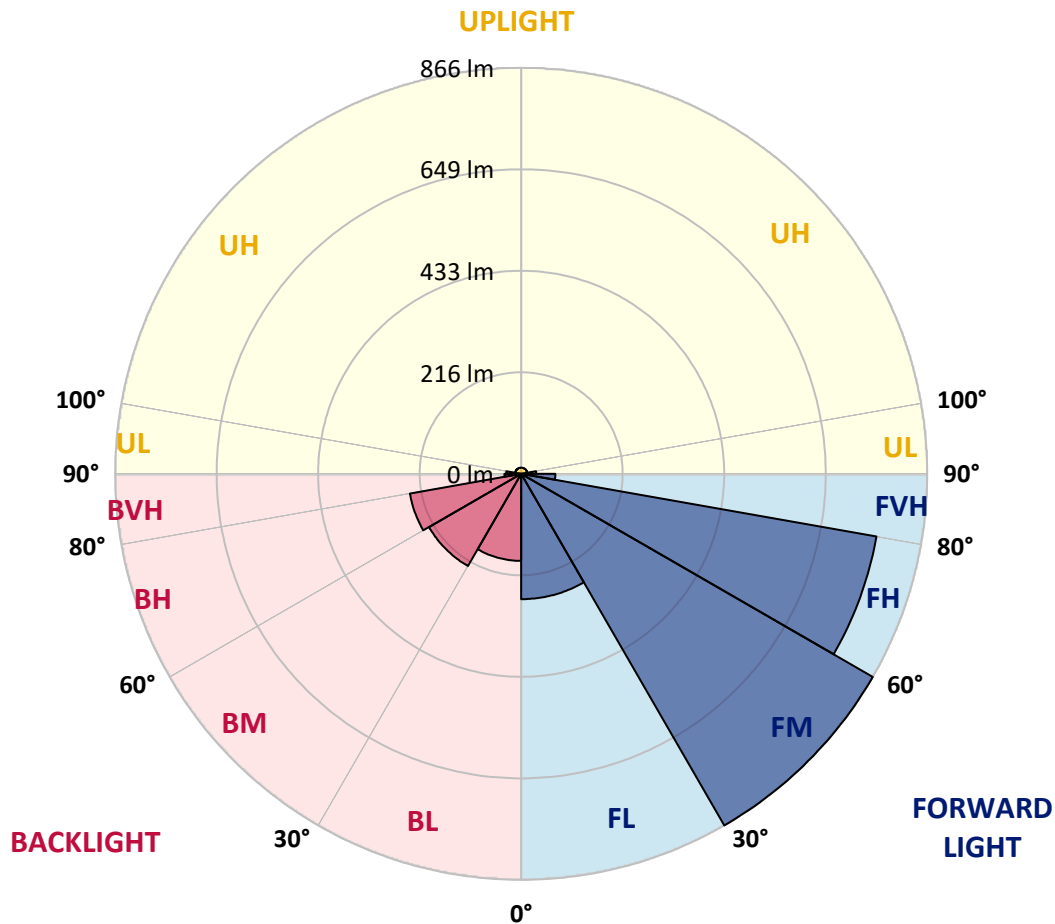
CATALOG NUMBER: CRTK2-C013-5TLD-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.3	9.9			
FM	(30°-60°)	865.5	31.9			
FH	(60°-80°)	769.0	28.4			G1/1800
FVH	(80°-90°)	73.0	2.7			G1/100
BL	(0°-30°)	185.6	6.9	B1/500		
BM	(30°-60°)	226.9	8.4	B1/1000		
BH	(60°-80°)	241.0	8.9	B1/500		G1/500
BVH	(80°-90°)	35.7	1.3			G1/100
UL	(90°-100°)	32.0	1.2		U2/50	
UH	(100°-180°)	13.1	0.5		U2/50	

BUG Rating: B1-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2
2.5°	493.0	493.0	491.9	493.0	495.1	497.1	495.1	496.1	497.1	499.2	500.3
5°	511.7	510.6	508.6	506.5	504.4	504.4	502.3	501.3	503.4	509.6	511.7
7.5°	527.2	524.1	522.0	523.1	520.0	514.8	510.6	508.6	506.5	514.8	517.9
10°	552.1	550.1	542.8	536.6	532.4	524.1	514.8	513.7	512.7	521.0	523.1
12.5°	577.1	575.0	570.8	564.6	551.1	543.8	529.3	523.1	522.0	527.2	523.1
15°	613.4	609.2	597.8	591.6	578.1	566.7	549.0	539.7	541.8	534.5	532.4
17.5°	634.1	632.1	631.0	621.7	611.3	591.6	575.0	561.5	565.6	549.0	542.8
20°	657.0	655.9	658.0	659.0	645.6	627.9	607.2	586.4	587.4	565.6	553.2
22.5°	686.0	682.9	687.1	692.3	680.8	666.3	639.3	622.7	614.4	585.4	570.8
25°	720.3	719.2	719.2	728.6	726.5	706.8	680.8	662.2	653.9	614.4	592.6
27.5°	755.6	756.6	758.7	764.9	768.0	756.6	731.7	715.1	699.5	647.6	625.8
30°	778.4	778.4	792.9	802.3	806.4	806.4	776.3	763.9	748.3	690.2	663.2
32.5°	806.4	808.5	822.0	837.6	843.8	852.1	827.2	817.8	804.3	743.1	718.2
35°	826.1	829.3	850.0	873.9	890.5	894.6	880.1	884.3	878.0	812.6	799.2
37.5°	740.0	748.3	779.4	826.1	870.8	914.4	929.9	950.7	953.8	878.0	845.9
40°	644.5	647.6	682.9	717.2	772.2	807.5	846.9	892.6	867.7	785.7	779.4
42.5°	571.9	585.4	634.1	660.1	702.6	710.9	691.2	662.2	617.5	610.3	607.2
45°	559.4	572.9	621.7	664.2	685.0	583.3	528.3	489.9	507.5	551.1	545.9
47.5°	617.5	634.1	685.0	733.8	691.2	578.1	541.8	540.7	526.2	600.9	614.4
50°	652.8	666.3	725.5	724.4	690.2	635.2	654.9	633.1	607.2	734.8	810.6
52.5°	670.5	682.9	703.7	729.6	732.7	728.6	733.8	716.1	676.7	853.1	910.2
55°	621.7	652.8	743.1	787.7	806.4	795.0	798.1	785.7	759.7	926.8	1014.0
57.5°	778.4	795.0	828.2	839.6	851.0	845.9	850.0	845.9	822.0	981.8	1066.9
60°	868.7	868.7	883.2	864.5	870.8	888.4	900.9	900.9	876.0	1022.3	1088.7
62.5°	965.2	956.9	900.9	871.8	879.1	918.5	937.2	935.1	909.2	1028.5	1093.9
65°	946.5	932.0	912.3	849.0	857.3	912.3	938.2	937.2	910.2	1005.7	1077.3
67.5°	807.5	821.0	844.8	839.6	818.9	882.2	922.7	924.7	893.6	967.3	1047.2
70°	699.5	707.8	722.4	765.9	775.3	840.7	905.0	914.4	872.8	922.7	1004.7
72.5°	609.2	614.4	603.0	647.6	680.8	767.0	842.7	860.4	817.8	845.9	933.0
75°	521.0	509.6	496.1	515.8	541.8	633.1	725.5	760.8	723.4	741.0	827.2
77.5°	404.8	388.2	374.7	379.9	403.7	482.6	571.9	627.9	594.7	593.7	662.2
80°	276.1	261.5	252.2	250.1	267.8	316.5	380.9	447.3	418.3	390.2	420.3
82.5°	172.3	172.3	164.0	151.5	150.5	159.8	172.3	188.9	178.5	174.4	183.7
85°	107.9	109.0	104.8	91.3	88.2	90.3	96.5	100.7	97.6	100.7	103.8
87.5°	75.8	74.7	69.5	67.5	66.4	69.5	74.7	76.8	76.8	79.9	79.9
90°	57.1	57.1	54.0	52.9	52.9	56.0	61.2	65.4	68.5	73.7	73.7
92.5°	47.7	47.7	45.7	44.6	44.6	45.7	49.8	55.0	58.1	63.3	61.2
95°	39.4	39.4	38.4	38.4	38.4	39.4	41.5	44.6	45.7	45.7	45.7
97.5°	31.1	30.1	29.1	29.1	29.1	30.1	31.1	34.2	35.3	32.2	32.2
100°	21.8	20.8	19.7	20.8	20.8	20.8	21.8	22.8	22.8	20.8	19.7
102.5°	13.5	13.5	13.5	13.5	12.5	12.5	12.5	12.5	11.4	10.4	10.4
105°	9.3	9.3	8.3	8.3	8.3	8.3	7.3	7.3	7.3	6.2	6.2
107.5°	7.3	7.3	7.3	7.3	7.3	6.2	6.2	6.2	6.2	5.2	5.2
110°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	5.2	5.2	4.2	4.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	6.2	6.2	6.2	6.2	6.2	5.2	5.2	5.2	5.2	4.2	4.2
115°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2
117.5°	5.2	5.2	5.2	5.2	5.2	5.2	4.2	4.2	4.2	5.2	4.2
120°	5.2	5.2	5.2	5.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
122.5°	5.2	5.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2	4.2
125°	4.2	4.2	4.2	4.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1
127.5°	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1
130°	3.1	3.1	3.1	3.1	3.1	3.1	2.1	2.1	2.1	2.1	2.1
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°	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2	498.2
2.5°	500.3	502.3	506.5	511.7	515.8	518.9	521.0	523.1	523.1	521.0	523.1
5°	511.7	513.7	521.0	526.2	526.2	523.1	521.0	520.0	522.0	523.1	525.2
7.5°	521.0	523.1	520.0	522.0	524.1	521.0	516.9	513.7	510.6	507.5	509.6
10°	522.0	516.9	516.9	514.8	507.5	508.6	507.5	502.3	498.2	499.2	500.3
12.5°	521.0	518.9	510.6	506.5	503.4	493.0	488.8	491.9	485.7	488.8	484.7
15°	530.3	520.0	511.7	501.3	489.9	484.7	477.4	467.0	462.9	463.9	465.0
17.5°	536.6	526.2	506.5	487.8	481.6	465.0	456.7	451.5	444.2	445.2	449.4
20°	547.0	531.4	503.4	483.6	453.5	442.1	431.8	425.5	419.3	410.0	405.8
22.5°	561.5	541.8	499.2	462.9	436.9	417.2	394.4	378.8	370.5	364.3	363.3
25°	580.2	557.3	500.3	453.5	412.0	383.0	363.3	336.3	316.5	314.5	317.6
27.5°	614.4	575.0	506.5	439.0	391.3	346.6	310.3	291.6	268.8	263.6	263.6
30°	647.6	603.0	502.3	426.6	356.0	306.2	257.4	222.1	209.6	200.3	199.3
32.5°	708.9	642.4	524.1	407.9	323.8	246.0	192.0	153.6	145.3	142.2	141.1
35°	764.9	696.4	526.2	384.0	276.1	191.0	138.0	112.1	106.9	103.8	102.7
37.5°	825.1	748.3	547.0	364.3	229.4	134.9	99.6	79.9	73.7	69.5	67.5
40°	755.6	686.0	537.6	331.1	170.2	86.1	62.3	43.6	37.4	37.4	37.4
42.5°	591.6	521.0	406.8	267.8	99.6	49.8	31.1	30.1	31.1	32.2	32.2
45°	524.1	431.8	249.1	142.2	41.5	28.0	24.9	23.9	27.0	30.1	31.1
47.5°	616.5	513.7	192.0	99.6	44.6	28.0	22.8	22.8	21.8	19.7	19.7
50°	833.4	693.3	220.0	114.2	56.0	31.1	22.8	19.7	19.7	20.8	21.8
52.5°	940.3	772.2	259.5	148.4	82.0	42.6	24.9	19.7	17.6	14.5	14.5
55°	1032.7	834.4	307.2	192.0	120.4	66.4	35.3	20.8	17.6	14.5	13.5
57.5°	1062.8	841.7	358.1	241.8	164.0	103.8	61.2	29.1	18.7	15.6	14.5
60°	1066.9	850.0	396.5	294.8	213.8	151.5	100.7	52.9	23.9	18.7	17.6
62.5°	1072.1	852.1	425.5	333.2	263.6	205.5	145.3	84.1	36.3	21.8	20.8
65°	1053.4	827.2	418.3	324.9	278.1	227.3	167.1	98.6	41.5	24.9	23.9
67.5°	1022.3	805.4	388.2	298.9	251.2	198.2	143.2	79.9	38.4	29.1	28.0
70°	997.4	783.6	372.6	296.8	232.5	173.3	115.2	58.1	45.7	39.4	37.4
72.5°	936.2	731.7	360.1	295.8	232.5	169.2	112.1	62.3	62.3	63.3	59.2
75°	833.4	653.9	341.5	287.5	227.3	168.1	107.9	67.5	67.5	60.2	57.1
77.5°	688.1	535.5	302.0	262.6	206.5	148.4	88.2	56.0	54.0	46.7	44.6
80°	455.6	384.0	240.8	216.9	170.2	119.4	65.4	43.6	40.5	34.2	32.2
82.5°	204.5	183.7	152.6	153.6	122.5	85.1	44.6	30.1	28.0	22.8	21.8
85°	112.1	105.9	83.0	72.7	62.3	44.6	25.9	19.7	16.6	12.5	12.5
87.5°	85.1	82.0	61.2	47.7	36.3	25.9	16.6	12.5	9.3	6.2	5.2
90°	77.8	73.7	49.8	38.4	29.1	20.8	13.5	8.3	6.2	4.2	3.1
92.5°	65.4	62.3	40.5	32.2	24.9	18.7	11.4	6.2	4.2	2.1	2.1
95°	47.7	46.7	30.1	24.9	19.7	15.6	9.3	5.2	3.1	2.1	1.0
97.5°	32.2	31.1	21.8	18.7	15.6	11.4	7.3	4.2	2.1	1.0	1.0
100°	19.7	19.7	13.5	12.5	10.4	8.3	5.2	3.1	2.1	1.0	1.0
102.5°	10.4	9.3	7.3	7.3	6.2	5.2	4.2	2.1	1.0	0.0	0.0
105°	6.2	5.2	5.2	4.2	4.2	3.1	3.1	2.1	1.0	0.0	0.0
107.5°	5.2	4.2	4.2	3.1	3.1	2.1	2.1	1.0	1.0	0.0	0.0
110°	4.2	4.2	3.1	3.1	2.1	2.1	2.1	1.0	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°	4.2	3.1	3.1	2.1	2.1	2.1	1.0	1.0	0.0	0.0	0.0
115°	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
117.5°	4.2	3.1	2.1	2.1	2.1	1.0	1.0	1.0	0.0	0.0	0.0
120°	4.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0
122.5°	4.2	3.1	2.1	2.1	1.0	1.0	1.0	1.0	0.0	0.0	0.0
125°	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
127.5°	3.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	1.0	1.0	1.0	1.0	1.0	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)