

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: P691195

Luminaire Tested: **CRTK2-C013-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691195
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C013-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2818 lumens
Efficiency: N/A
Efficacy: 138.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B2 - U2 - G1

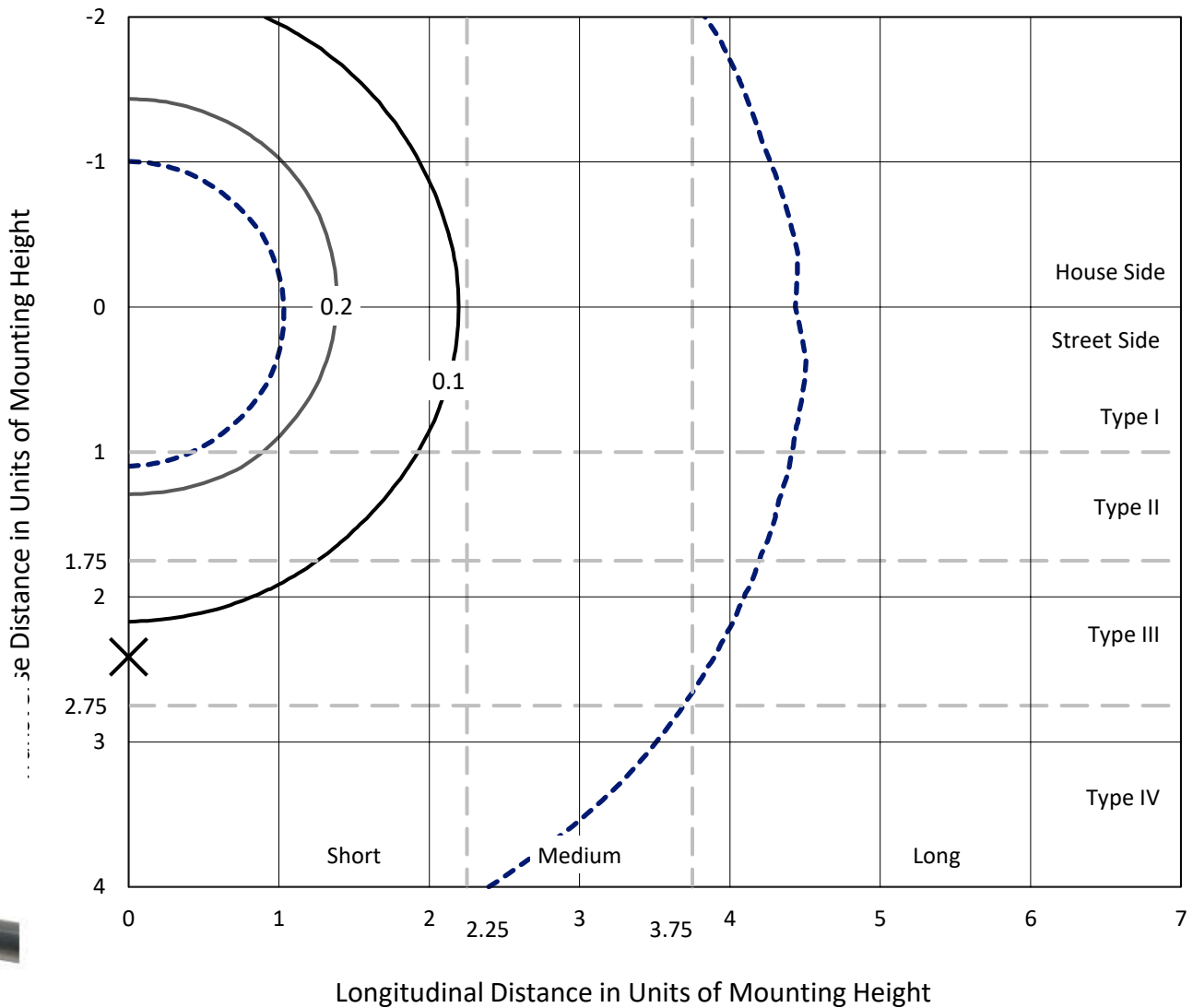
Input Watts (W): 20.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

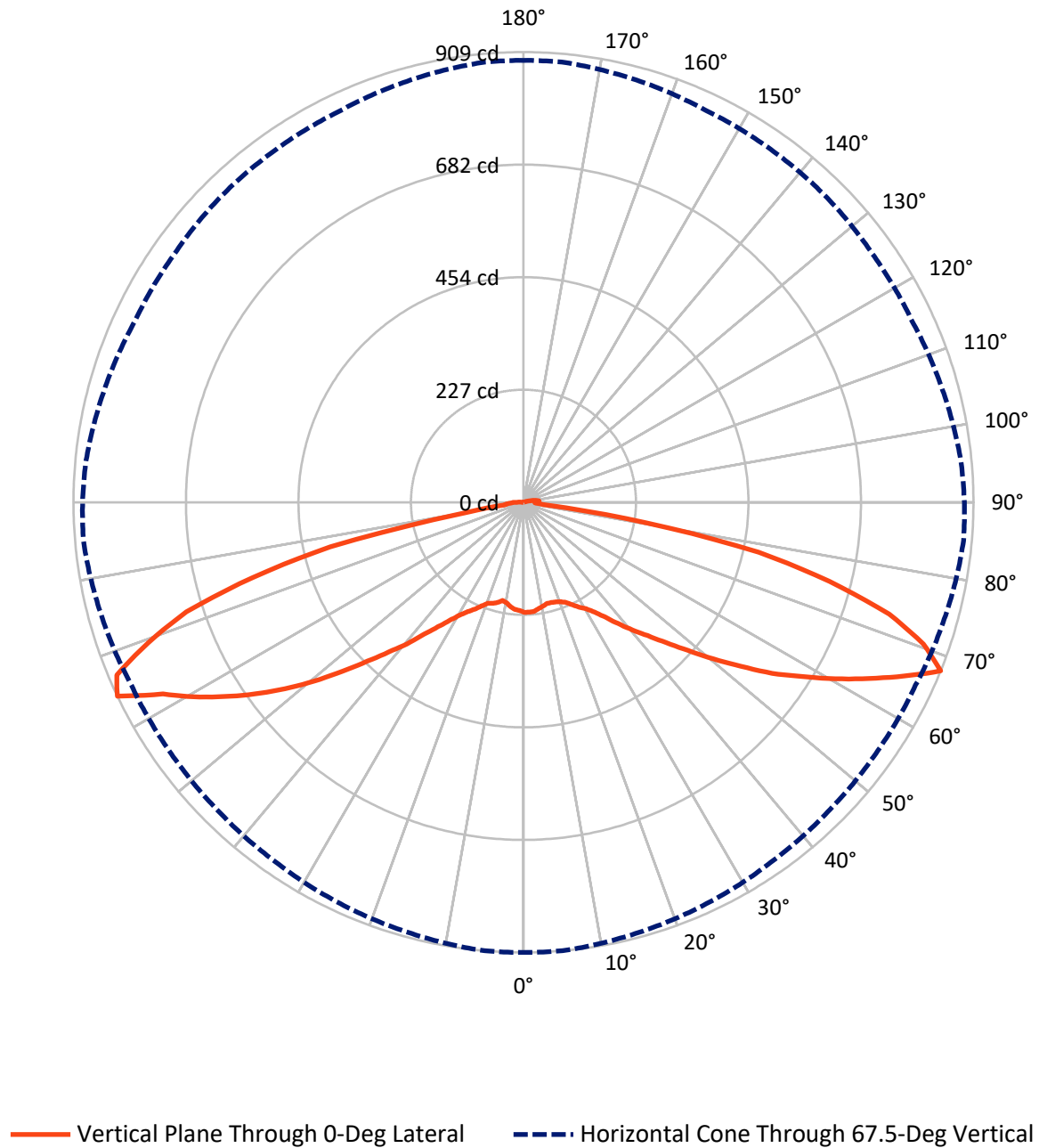
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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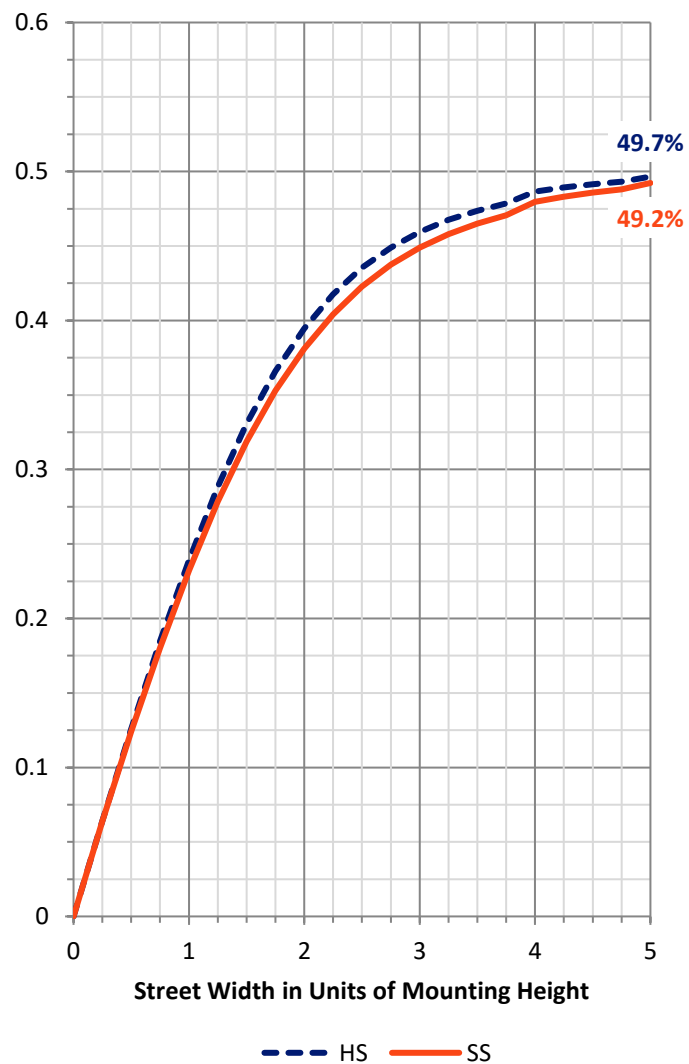
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1395.3	13.2	1408.5
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	1390.8	18.7	1409.5
	% Fixture	49.4	0.7	50.0
Total	Lumens	2786.1	31.9	2818.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	20.8	0.7
10°-20°	61.3	2.2
20°-30°	110.8	3.9
30°-40°	191.1	6.8
40°-50°	339.1	12.0
50°-60°	577.3	20.5
60°-70°	827.1	29.4
70°-80°	601.4	21.3
80°-90°	57.1	2.0
90°-100°	25.8	0.9
100°-110°	6.2	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	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°	2786.1	98.9
0°-180°	2818.0	100.0

Coefficient of Utilization



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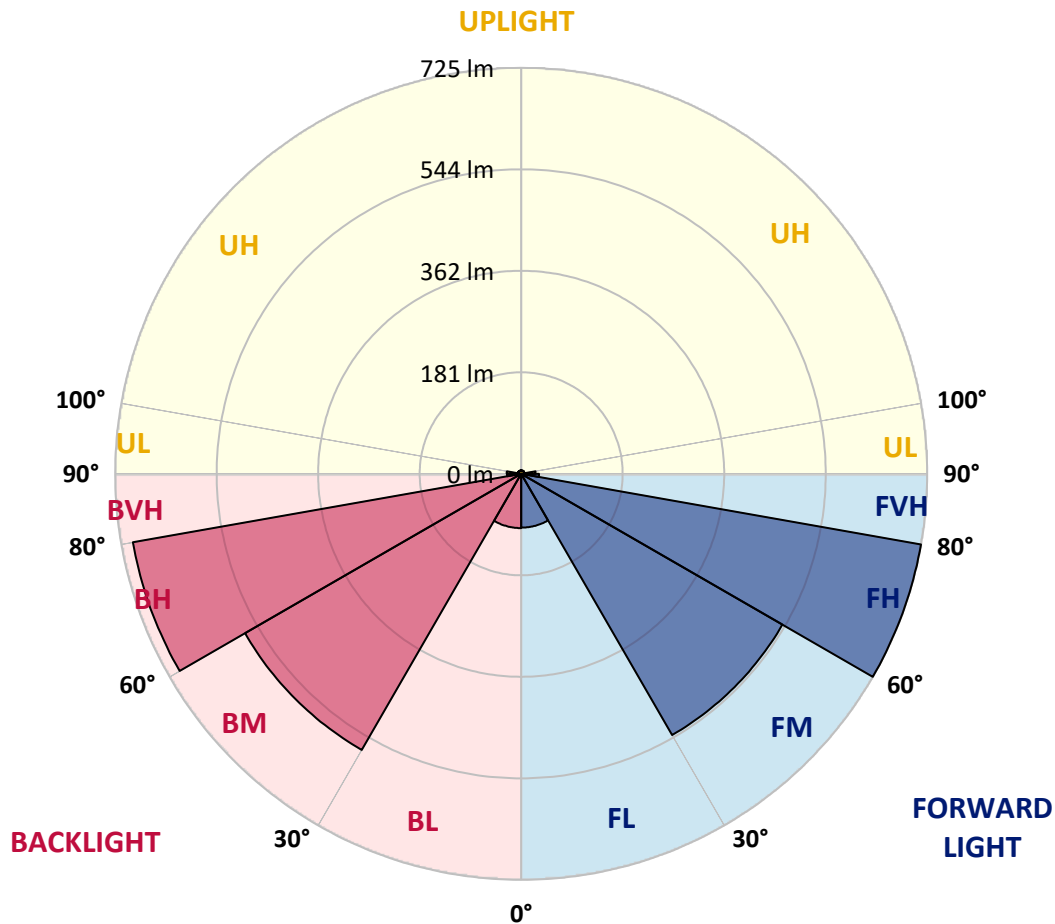
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	96.0	3.4			
FM	(30°-60°)	538.4	19.1			
FH	(60°-80°)	724.7	25.7			G1/1800
FVH	(80°-90°)	31.7	1.1			G1/100
BL	(0°-30°)	96.9	3.4	B0/110		
BM	(30°-60°)	569.2	20.2	B1/1000		
BH	(60°-80°)	703.8	25.0	B2/1000		G1/1800
BVH	(80°-90°)	25.4	0.9			G1/100
UL	(90°-100°)	25.8	0.9		U2/50	
UH	(100°-180°)	6.2	0.2		U1/10	

BUG Rating: B2-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	222.1	222.1	222.1	222.1	222.1	222.1	221.3	219.5	219.5	219.5	219.5
5°	221.3	221.3	221.3	221.3	222.1	222.1	222.1	220.4	220.4	220.4	220.4
7.5°	216.9	216.9	217.8	217.8	218.6	219.5	218.6	218.6	218.6	219.5	219.5
10°	213.4	213.4	214.2	214.2	215.1	215.1	216.9	216.9	217.8	218.6	218.6
12.5°	209.9	209.9	210.7	212.5	213.4	214.2	215.1	216.0	217.8	218.6	218.6
15°	209.9	209.9	209.9	211.6	214.2	216.0	216.9	218.6	220.4	221.3	222.1
17.5°	211.6	211.6	211.6	213.4	215.1	217.8	220.4	221.3	223.0	224.8	224.8
20°	214.2	214.2	215.1	216.9	219.5	221.3	223.0	225.7	227.4	229.2	230.0
22.5°	219.5	220.4	220.4	221.3	223.9	226.5	228.3	230.0	232.7	234.4	236.2
25°	229.2	228.3	228.3	230.0	231.8	234.4	235.3	237.1	239.7	242.3	243.2
27.5°	239.7	238.8	238.8	240.6	242.3	244.1	245.0	247.6	250.2	252.9	253.8
30°	249.4	249.4	250.2	252.0	253.8	256.4	257.3	259.9	261.7	265.2	265.2
32.5°	264.3	265.2	266.0	266.9	268.7	271.3	273.9	274.8	276.6	279.2	281.0
35°	284.5	286.2	286.2	287.1	291.5	294.1	292.4	295.0	297.7	301.2	302.9
37.5°	310.8	309.9	312.6	316.1	317.0	319.6	318.7	320.5	324.0	328.4	331.0
40°	338.9	339.8	339.8	340.7	343.3	344.2	347.7	350.3	353.9	360.0	361.8
42.5°	367.9	369.7	371.4	372.3	376.7	377.6	380.2	383.7	388.1	392.5	394.2
45°	403.9	403.0	407.4	409.2	413.6	418.8	418.8	420.6	427.6	432.0	434.6
47.5°	446.9	448.7	451.3	453.9	461.0	461.9	466.2	468.9	473.3	477.7	478.5
50°	497.0	497.0	499.6	504.9	509.3	513.7	516.3	519.8	523.3	530.3	533.9
52.5°	549.7	550.5	554.0	559.3	566.3	567.2	569.8	576.0	578.6	580.4	586.5
55°	609.4	606.7	609.4	617.3	625.2	624.3	625.2	632.2	636.6	640.1	641.8
57.5°	663.8	663.8	666.4	672.6	674.3	677.0	677.8	684.0	689.3	693.7	694.5
60°	723.5	722.6	724.4	729.7	735.8	735.8	734.9	741.1	746.3	747.2	753.4
62.5°	783.2	780.6	782.3	785.8	789.4	785.8	789.4	794.6	799.0	802.5	804.3
65°	845.6	842.0	842.9	839.4	834.1	829.8	837.7	852.6	865.8	872.8	873.7
67.5°	908.8	908.8	899.1	890.3	881.6	876.3	873.7	873.7	882.4	892.1	890.3
70°	857.0	858.7	850.8	844.7	830.6	826.2	823.6	814.8	819.2	821.8	815.7
72.5°	772.7	763.0	759.5	756.9	746.3	738.4	729.7	723.5	720.9	722.6	715.6
75°	638.3	657.7	647.1	641.8	634.8	631.3	608.5	601.5	600.6	607.6	607.6
77.5°	485.6	496.1	489.1	491.7	481.2	479.4	470.6	462.7	456.6	454.8	437.3
80°	252.0	259.9	261.7	270.4	268.7	263.4	257.3	234.4	228.3	231.8	215.1
82.5°	45.7	47.4	48.3	49.2	45.7	47.4	48.3	43.9	46.5	45.7	43.9
85°	26.3	26.3	27.2	27.2	25.5	23.7	25.5	24.6	24.6	26.3	26.3
87.5°	22.8	23.7	24.6	24.6	22.0	20.2	22.0	22.0	22.8	23.7	23.7
90°	23.7	23.7	25.5	25.5	22.8	21.1	23.7	24.6	24.6	24.6	25.5
92.5°	31.6	30.7	31.6	31.6	29.0	27.2	30.7	30.7	30.7	30.7	31.6
95°	30.7	29.9	30.7	29.9	28.1	26.3	29.0	29.9	29.9	29.9	30.7
97.5°	26.3	26.3	26.3	26.3	23.7	22.8	26.3	26.3	25.5	25.5	26.3
100°	20.2	19.3	19.3	19.3	18.4	18.4	20.2	19.3	18.4	19.3	20.2
102.5°	13.2	13.2	13.2	13.2	13.2	13.2	13.2	12.3	12.3	12.3	14.0
105°	7.9	7.9	7.0	7.0	7.0	7.0	7.0	6.1	6.1	6.1	7.9
107.5°	2.6	2.6	1.8	1.8	1.8	1.8	1.8	0.9	0.9	0.9	2.6
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°	75°	85°	90°
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1	222.1
2.5°	220.4	220.4	221.3	220.4	220.4	219.5	218.6	217.8	218.6	218.6
5°	220.4	221.3	220.4	219.5	218.6	217.8	217.8	216.0	216.0	216.9
7.5°	219.5	221.3	219.5	218.6	216.0	215.1	214.2	212.5	212.5	212.5
10°	218.6	218.6	217.8	214.2	212.5	209.9	209.0	207.2	206.3	205.5
12.5°	218.6	218.6	216.0	213.4	210.7	207.2	206.3	204.6	203.7	202.8
15°	221.3	222.1	220.4	216.9	212.5	211.6	209.0	208.1	207.2	209.0
17.5°	225.7	224.8	223.0	219.5	216.9	216.0	212.5	212.5	211.6	213.4
20°	230.0	228.3	226.5	224.8	221.3	219.5	219.5	216.9	217.8	216.0
22.5°	235.3	236.2	233.6	230.9	228.3	227.4	226.5	226.5	225.7	225.7
25°	244.1	244.1	242.3	239.7	237.9	236.2	235.3	236.2	234.4	237.1
27.5°	254.6	253.8	253.8	252.0	249.4	248.5	247.6	248.5	247.6	247.6
30°	265.2	266.9	265.2	264.3	262.5	262.5	261.7	261.7	262.5	261.7
32.5°	281.9	282.7	282.7	281.9	280.1	279.2	279.2	280.1	281.9	281.0
35°	303.8	304.7	306.4	308.2	308.2	306.4	304.7	303.8	304.7	304.7
37.5°	332.8	333.7	335.4	335.4	334.5	333.7	334.5	336.3	332.8	332.8
40°	362.6	361.8	363.5	365.3	366.1	365.3	364.4	366.1	367.9	370.5
42.5°	396.0	397.8	398.6	402.1	403.9	403.9	403.0	405.7	406.5	406.5
45°	435.5	439.9	438.1	444.3	449.6	450.4	447.8	449.6	447.8	449.6
47.5°	481.2	484.7	488.2	493.5	496.1	497.9	497.0	498.7	500.5	500.5
50°	533.0	535.6	541.8	548.8	553.2	553.2	549.7	553.2	556.7	555.8
52.5°	587.4	592.7	598.8	605.0	608.5	609.4	609.4	612.0	611.1	611.1
55°	644.5	648.9	656.8	660.3	664.7	666.4	666.4	667.3	666.4	666.4
57.5°	698.9	704.2	710.3	717.4	721.8	723.5	721.8	721.8	721.8	720.0
60°	755.1	758.6	764.8	770.0	772.7	776.2	776.2	775.3	774.4	773.6
62.5°	806.9	808.7	810.4	811.3	813.9	821.0	821.0	825.4	825.4	824.5
65°	874.5	866.6	859.6	861.4	867.5	873.7	878.9	896.5	905.3	908.8
67.5°	887.7	876.3	865.8	864.9	868.4	870.1	872.8	882.4	892.1	892.1
70°	810.4	803.4	793.8	798.1	800.8	798.1	801.7	807.8	816.6	808.7
72.5°	710.3	698.9	705.9	710.3	705.9	702.4	704.2	703.3	709.5	715.6
75°	599.7	576.0	576.0	576.0	577.8	569.8	569.8	570.7	582.1	566.3
77.5°	444.3	427.6	423.2	405.7	403.9	393.4	400.4	396.0	406.5	400.4
80°	207.2	200.2	197.6	180.0	176.5	148.4	158.9	141.4	146.6	131.7
82.5°	43.0	42.1	41.3	36.9	33.4	29.0	34.2	38.6	39.5	38.6
85°	27.2	28.1	28.1	26.3	24.6	22.0	26.3	32.5	34.2	34.2
87.5°	23.7	24.6	24.6	23.7	22.0	19.3	22.0	24.6	25.5	24.6
90°	25.5	26.3	25.5	24.6	22.8	20.2	22.8	23.7	19.3	20.2
92.5°	30.7	30.7	29.9	29.9	29.0	25.5	28.1	22.8	8.8	2.6
95°	29.9	29.0	29.0	28.1	27.2	22.8	22.8	6.1	0.0	0.0
97.5°	25.5	23.7	23.7	22.8	22.8	19.3	14.0	0.0	0.0	0.0
100°	19.3	16.7	16.7	15.8	15.8	13.2	5.3	0.0	0.0	0.0
102.5°	13.2	10.5	9.7	8.8	8.8	7.9	0.9	0.0	0.0	0.0
105°	7.0	4.4	3.5	2.6	2.6	1.8	0.0	0.0	0.0	0.0
107.5°	2.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)