

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: P691189

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691189
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
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-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1797 lumens
Efficiency: N/A
Efficacy: 88.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B0 - 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



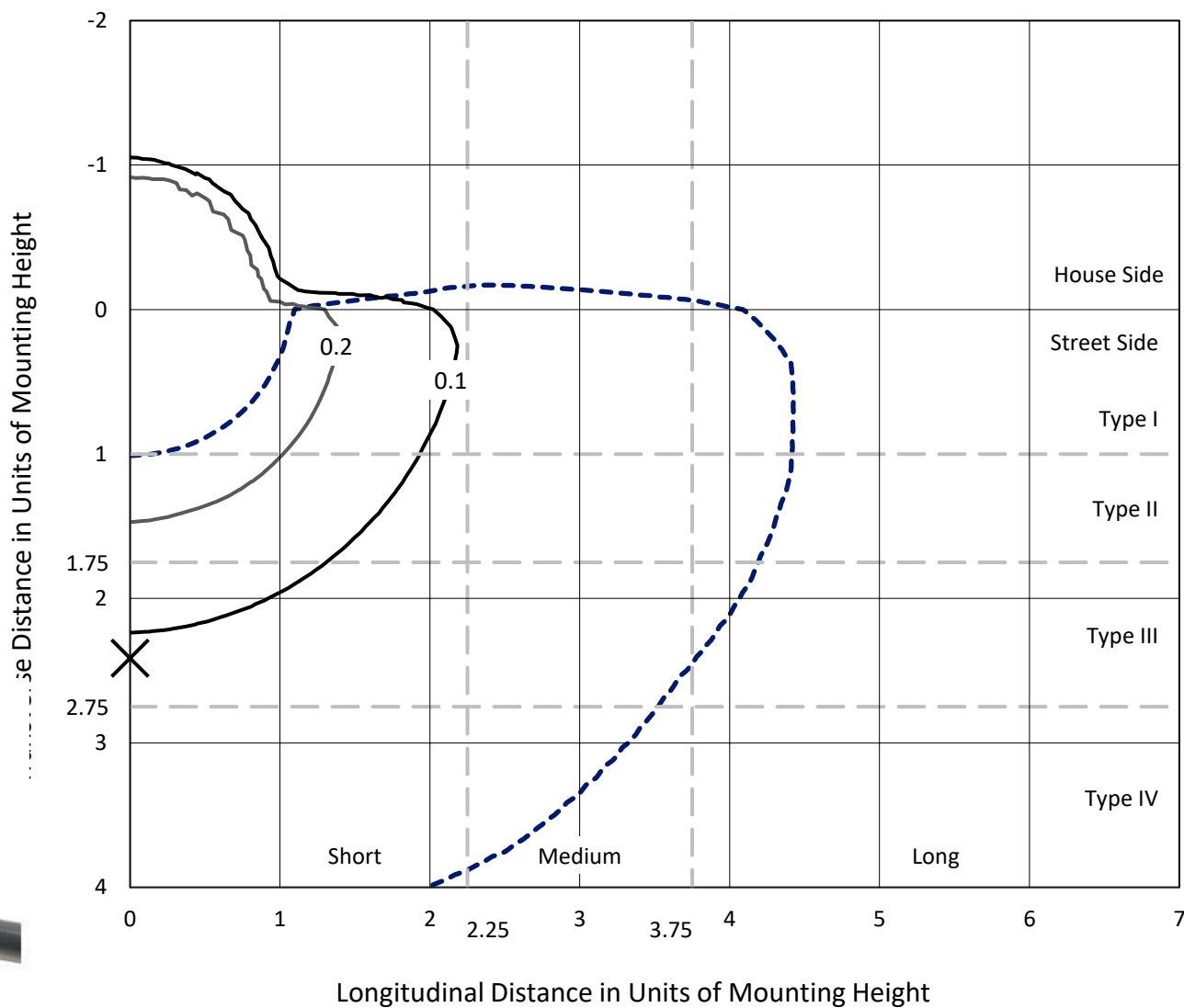
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

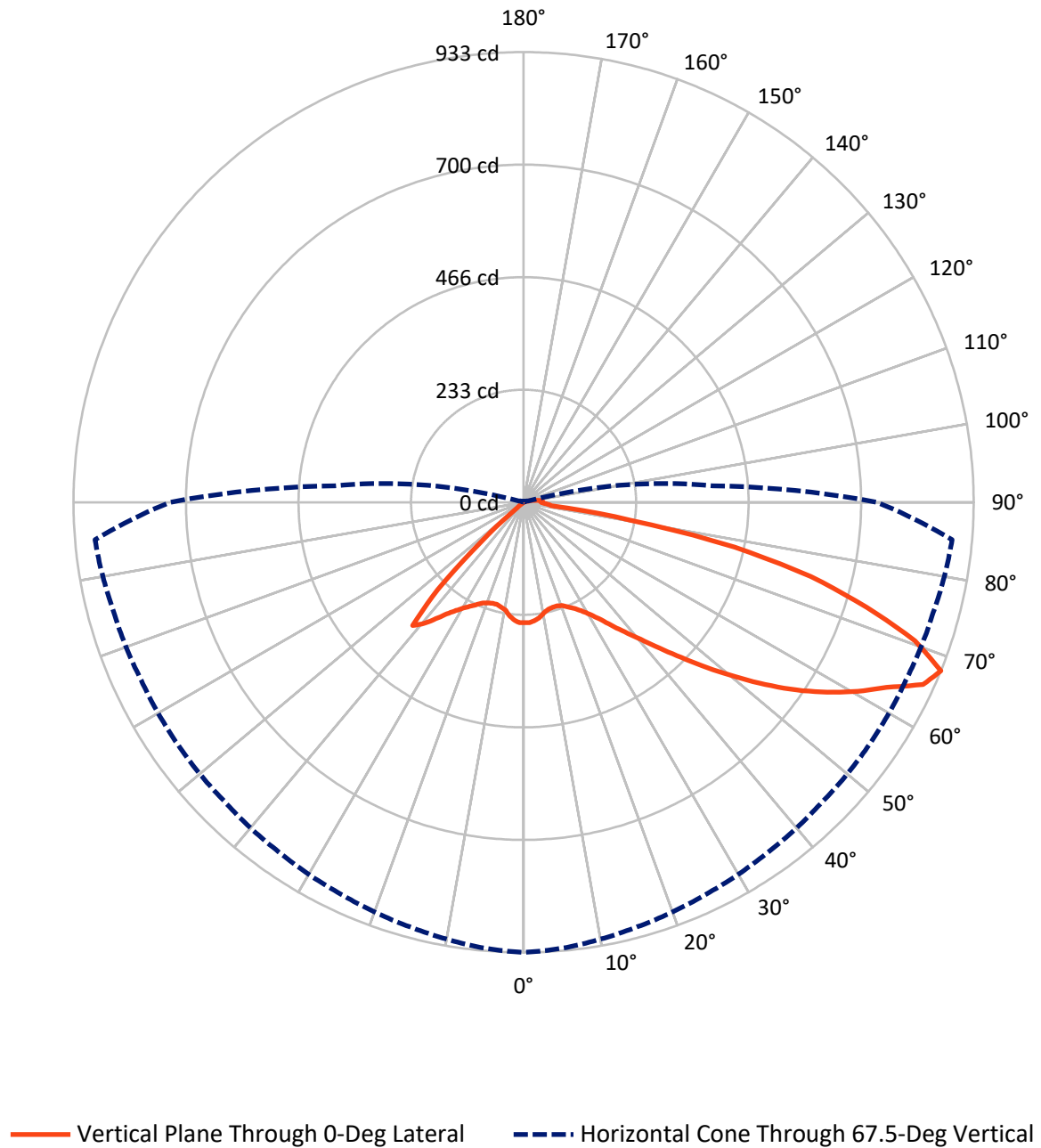


Based on 25 foot mounting height. Maximum calculated value = 0.4 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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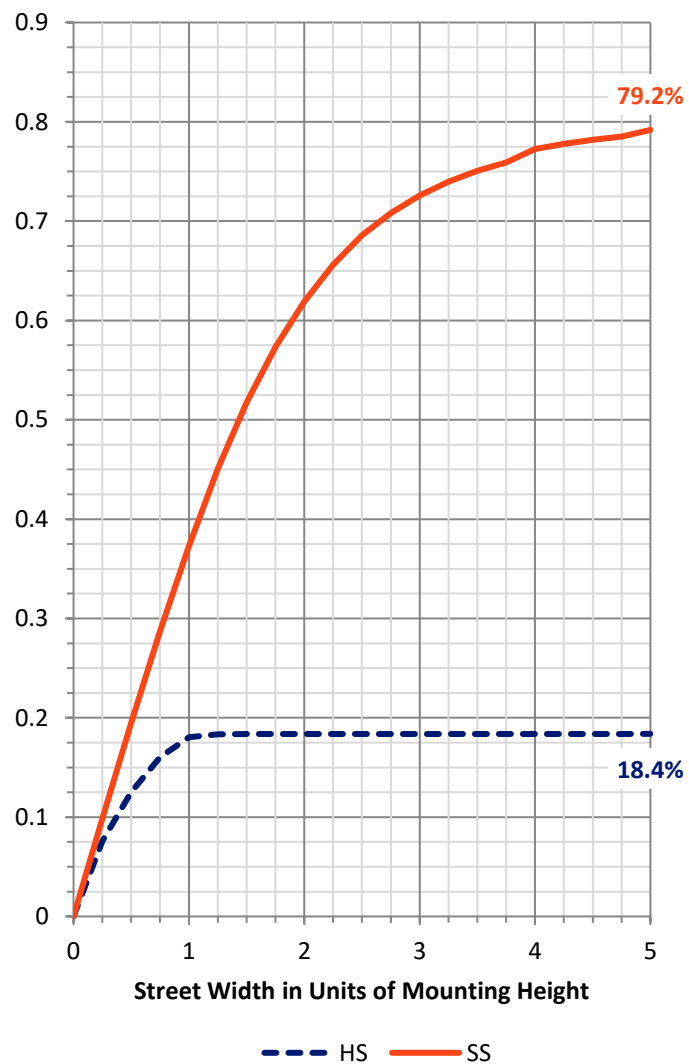
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	332.4	1.3	333.7
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1438.3	25.0	1463.3
	% Fixture	80.0	1.4	81.4
Total	Lumens	1770.7	26.3	1797.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	22.7	1.3
10°-20°	62.1	3.5
20°-30°	109.3	6.1
30°-40°	186.9	10.4
40°-50°	256.9	14.3
50°-60°	317.5	17.7
60°-70°	443.7	24.7
70°-80°	324.1	18.0
80°-90°	47.6	2.6
90°-100°	21.0	1.2
100°-110°	4.8	0.3
110°-120°	0.3	0.0
120°-130°	0.1	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.1	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	1770.7	98.5
0°-180°	1797.0	100.0

Coefficient of Utilization



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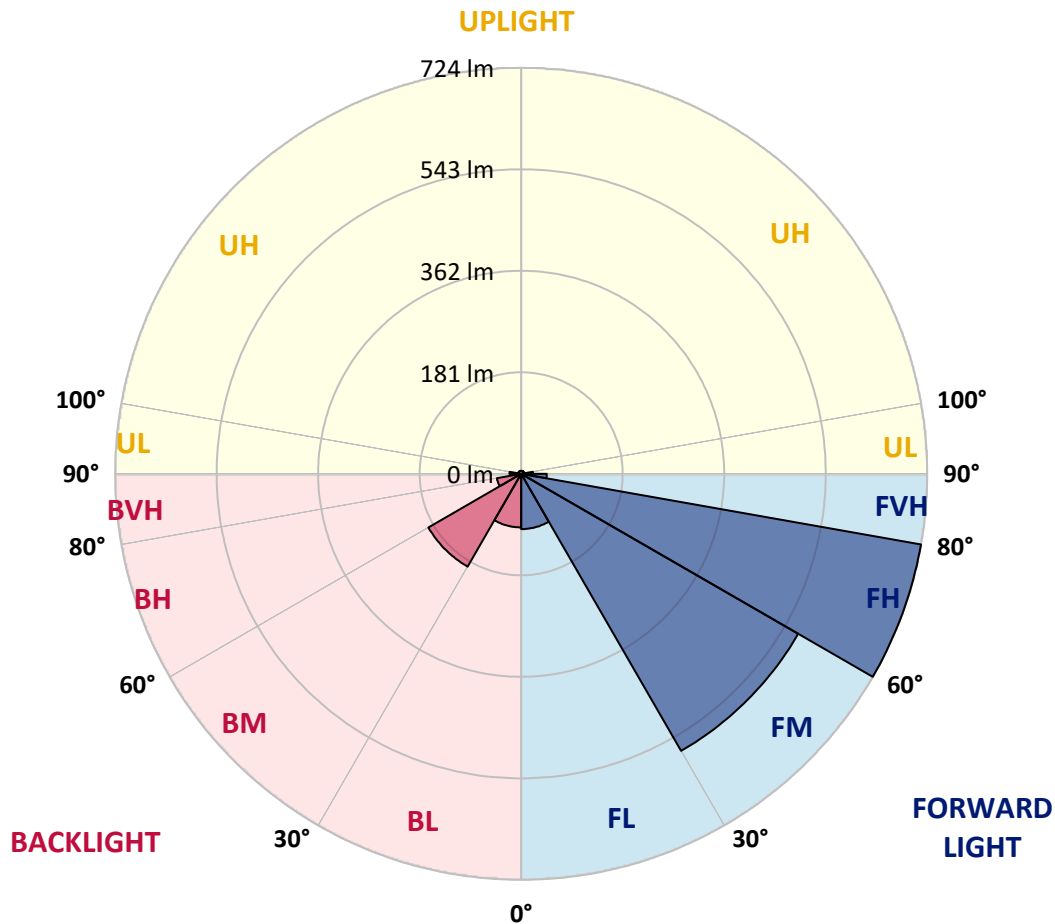
CATALOG NUMBER: CRTK2-C013-D-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	98.5	5.5			
FM	(30°-60°)	570.3	31.7			
FH	(60°-80°)	723.8	40.3			G1/1800
FVH	(80°-90°)	45.7	2.5			G1/100
BL	(0°-30°)	95.6	5.3	B0/110		
BM	(30°-60°)	191.0	10.6	B0/220		
BH	(60°-80°)	44.0	2.4	B0/110		G0/110
BVH	(80°-90°)	1.9	0.1			G0/10
UL	(90°-100°)	21.0	1.2		U2/50	
UH	(100°-180°)	5.3	0.3		U1/10	

BUG Rating: B0-U2-G1

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5
2.5°	249.5	249.5	249.5	249.5	250.4	249.5	248.6	246.8	246.8	246.8	246.8
5°	246.0	246.0	246.8	246.8	246.0	245.1	243.3	243.3	242.4	242.4	242.4
7.5°	240.7	240.7	240.7	241.6	239.8	237.2	236.3	235.4	234.5	233.7	232.8
10°	232.8	232.8	232.8	231.9	230.1	227.5	225.8	224.0	224.0	223.1	222.2
12.5°	227.5	227.5	227.5	226.6	224.0	222.2	219.6	217.9	217.0	217.0	216.1
15°	225.8	225.8	225.8	224.9	222.2	220.5	217.9	216.1	214.3	213.5	212.6
17.5°	225.8	225.8	225.8	224.0	223.1	220.5	217.9	216.1	215.2	214.3	213.5
20°	228.4	229.3	228.4	227.5	224.9	223.1	220.5	217.9	217.0	217.0	216.1
22.5°	235.4	234.5	234.5	233.7	231.0	228.4	226.6	224.9	223.1	223.1	222.2
25°	243.3	244.2	244.2	242.4	240.7	238.1	235.4	232.8	231.9	231.0	230.1
27.5°	254.7	254.7	255.6	253.9	251.2	249.5	246.8	245.1	243.3	241.6	240.7
30°	268.8	269.7	269.7	267.9	265.3	261.8	260.0	257.4	254.7	254.7	252.1
32.5°	287.2	289.0	288.1	286.4	283.7	280.2	278.5	275.8	274.1	271.4	269.7
35°	312.7	313.6	312.7	311.0	306.6	303.1	301.3	299.5	297.8	294.3	290.8
37.5°	340.8	341.7	342.6	340.8	335.6	330.3	328.5	325.9	325.0	320.6	318.9
40°	373.3	375.1	374.2	371.6	367.2	361.9	361.0	358.4	355.8	353.1	348.7
42.5°	412.9	412.9	412.0	410.2	406.7	400.6	398.8	396.2	394.4	389.1	382.1
45°	458.5	459.4	456.8	454.2	453.3	448.0	443.6	441.0	435.7	429.6	421.6
47.5°	512.1	511.2	507.7	505.1	504.2	499.8	496.3	491.0	484.0	477.0	462.1
50°	567.5	567.5	561.3	558.7	560.4	554.3	549.9	543.8	536.7	529.7	507.7
52.5°	627.2	624.6	618.4	619.3	616.7	610.5	605.2	600.8	593.8	587.7	552.5
55°	686.9	683.4	673.8	674.6	670.2	663.2	659.7	654.4	652.7	645.6	595.6
57.5°	742.3	737.9	727.3	726.5	723.0	715.0	713.3	707.1	702.7	699.2	628.1
60°	795.9	791.5	781.8	778.3	771.3	763.4	764.2	760.7	758.1	754.6	664.1
62.5°	844.2	838.9	830.1	823.1	813.4	806.4	807.3	805.5	807.3	806.4	694.8
65°	910.1	904.8	891.6	879.3	865.3	854.7	853.8	856.5	874.9	876.7	742.3
67.5°	932.9	927.6	910.9	896.0	884.6	876.7	874.9	874.0	879.3	891.6	732.6
70°	860.9	857.4	841.5	831.0	819.6	814.3	809.0	811.7	816.9	816.1	672.0
72.5°	743.2	762.5	742.3	732.6	730.0	715.9	719.4	716.8	720.3	719.4	597.3
75°	614.9	609.6	605.2	621.9	609.6	599.1	605.2	611.4	617.5	610.5	523.5
77.5°	447.1	450.6	448.9	455.0	466.4	461.2	457.7	472.6	475.2	451.5	406.7
80°	224.9	238.9	243.3	253.9	260.0	248.6	238.9	260.0	256.5	229.3	206.4
82.5°	58.9	59.7	68.5	80.8	82.6	80.8	82.6	80.8	70.3	44.8	37.8
85°	49.2	49.2	60.6	73.8	76.4	72.9	72.9	68.5	54.5	28.1	22.8
87.5°	40.4	42.2	54.5	66.8	68.5	65.0	64.1	58.9	47.4	24.6	19.3
90°	36.0	37.8	49.2	59.7	60.6	57.1	56.2	52.7	43.0	24.6	19.3
92.5°	39.5	40.4	48.3	54.5	54.5	51.8	50.9	48.3	42.2	30.7	23.7
95°	35.1	36.0	39.5	42.2	41.3	38.7	40.4	37.8	35.1	29.0	22.0
97.5°	29.0	29.9	30.7	30.7	29.9	28.1	29.9	29.0	27.2	23.7	17.6
100°	22.0	22.0	22.0	22.8	22.0	21.1	22.0	20.2	19.3	16.7	12.3
102.5°	14.9	14.9	14.9	14.9	14.9	14.9	14.9	13.2	12.3	10.5	7.0
105°	8.8	8.8	7.9	8.8	8.8	7.9	7.9	7.0	5.3	4.4	2.6
107.5°	3.5	3.5	2.6	2.6	2.6	2.6	1.8	0.9	0.9	0.9	0.9
110°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9	0.9
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	0.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9
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	0.9
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	0.9	0.9	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9	0.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.9	0.9	0.9	0.9
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°	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5	249.5
2.5°	246.8	246.8	246.8	246.8	246.8	246.8	247.7	248.6	249.5	249.5
5°	242.4	242.4	242.4	241.6	242.4	243.3	244.2	244.2	245.1	245.1
7.5°	233.7	232.8	232.8	232.8	233.7	235.4	235.4	236.3	237.2	237.2
10°	222.2	222.2	222.2	222.2	223.1	224.9	224.9	226.6	226.6	226.6
12.5°	216.1	216.1	215.2	214.3	216.1	216.1	218.7	219.6	220.5	222.2
15°	212.6	211.7	212.6	212.6	213.5	214.3	215.2	217.0	217.9	218.7
17.5°	212.6	212.6	212.6	213.5	214.3	214.3	215.2	217.0	217.9	218.7
20°	216.1	216.1	215.2	215.2	216.1	216.1	217.9	219.6	220.5	221.4
22.5°	221.4	220.5	220.5	219.6	220.5	221.4	223.1	224.9	224.9	224.9
25°	228.4	227.5	227.5	227.5	229.3	229.3	231.0	232.8	232.8	232.8
27.5°	239.8	238.1	237.2	237.2	237.2	238.1	239.8	240.7	241.6	241.6
30°	249.5	247.7	246.8	246.0	246.8	247.7	249.5	251.2	251.2	251.2
32.5°	267.0	262.7	260.0	260.9	260.9	261.8	263.5	263.5	264.4	264.4
35°	287.2	282.9	278.5	279.3	279.3	280.2	280.2	280.2	282.0	280.2
37.5°	312.7	305.7	302.2	303.1	301.3	301.3	301.3	301.3	300.4	302.2
40°	340.0	329.4	325.9	326.8	325.9	325.0	325.0	325.9	325.0	325.9
42.5°	335.6	291.6	302.2	314.5	323.3	329.4	336.4	340.0	340.0	343.5
45°	293.4	173.1	185.3	202.0	216.1	231.0	238.1	243.3	246.8	253.9
47.5°	254.7	62.4	71.2	82.6	97.5	97.5	109.8	115.1	116.8	123.0
50°	247.7	9.7	7.9	8.8	9.7	10.5	11.4	14.1	14.1	17.6
52.5°	269.7	8.8	5.3	3.5	3.5	2.6	1.8	1.8	1.8	2.6
55°	294.3	9.7	5.3	3.5	2.6	2.6	0.9	0.9	0.9	0.9
57.5°	315.4	8.8	4.4	3.5	2.6	1.8	0.0	0.0	0.0	0.0
60°	338.2	9.7	5.3	3.5	2.6	1.8	0.0	0.0	0.0	0.0
62.5°	358.4	9.7	5.3	3.5	2.6	0.9	0.0	0.0	0.0	0.0
65°	387.4	10.5	5.3	3.5	1.8	0.0	0.0	0.0	0.0	0.0
67.5°	392.7	10.5	5.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0
70°	350.5	8.8	3.5	1.8	0.9	0.0	0.0	0.0	0.0	0.0
72.5°	301.3	5.3	2.6	0.9	0.0	0.0	0.0	0.0	0.0	0.0
75°	242.4	4.4	1.8	0.9	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	162.5	3.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
80°	72.9	2.6	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
82.5°	15.8	1.8	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.5	1.8	0.9	0.9	0.0	0.0	0.9	0.9	0.0	0.0
87.5°	9.7	0.9	0.9	0.9	0.0	0.0	0.0	0.9	0.0	0.0
90°	9.7	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	11.4	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	10.5	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	7.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	5.3	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.6	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.9	0.9	0.9	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°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.9	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.9	0.9	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°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.9	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°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.9	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°	0.9	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°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.9	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.9	0.9	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	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.9	0.9	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)