

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: P691097

Luminaire Tested: **CRTK2-C013-5TLD-U-T5R-8027-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691097
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-C013-5TLD-U-T5R-8027-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 2122.9 lumens
Efficiency: N/A
Efficacy: 91.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
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



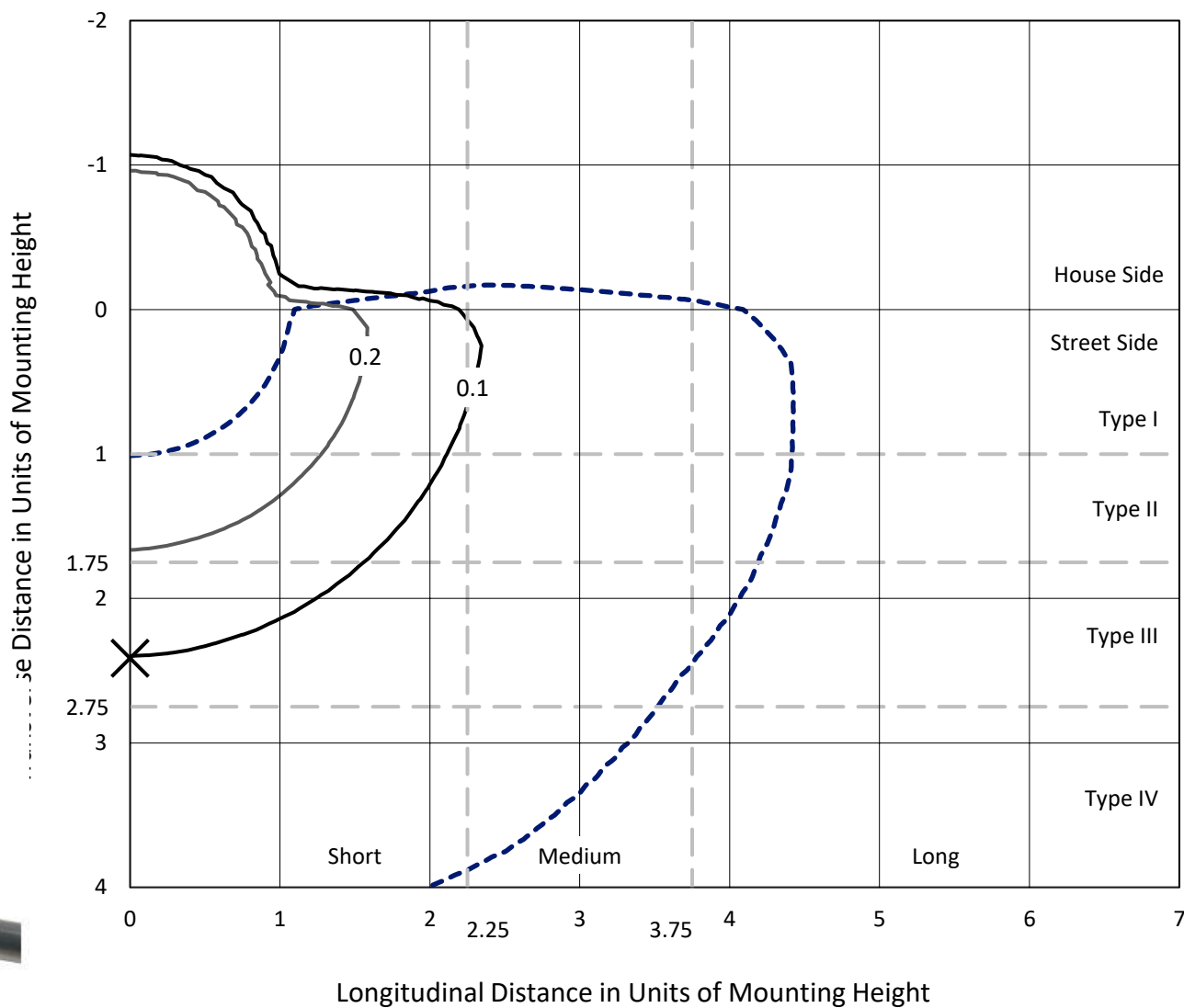
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

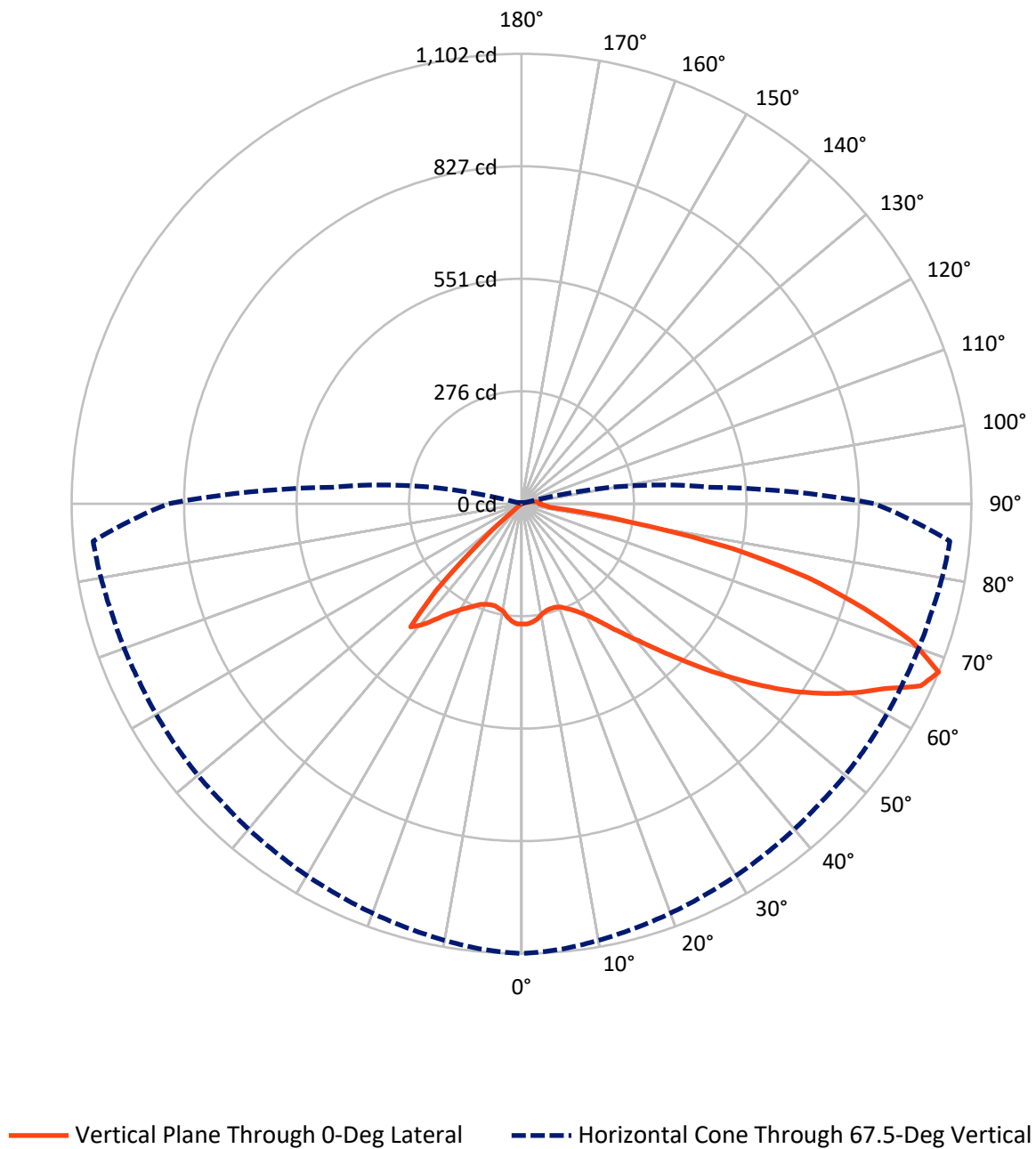


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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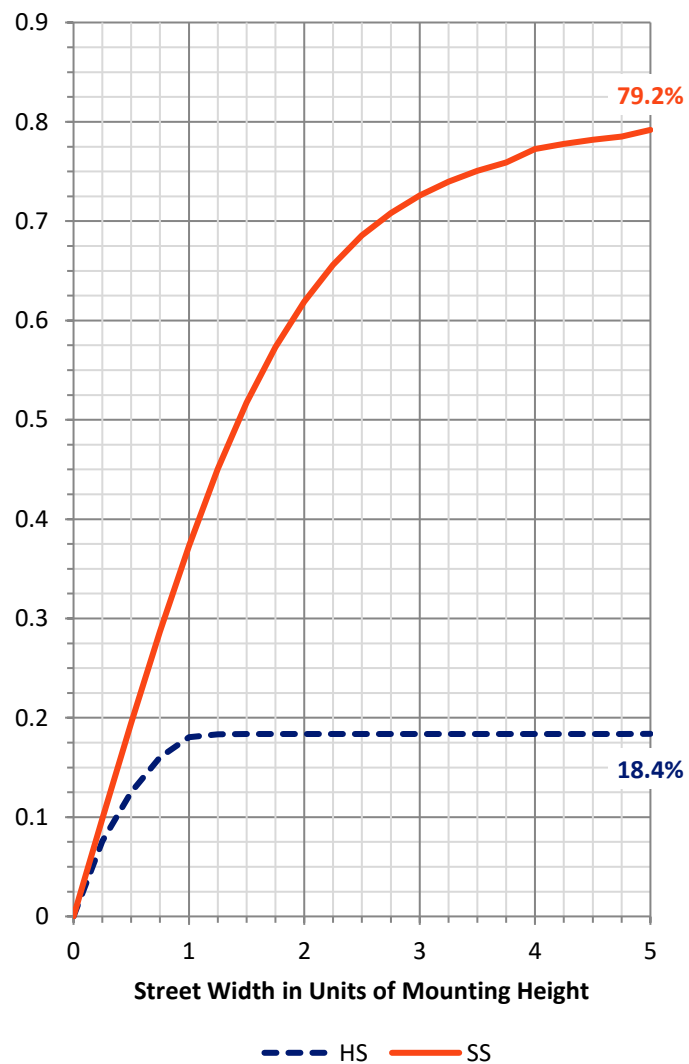
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	392.7	1.6	394.2
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1699.3	29.5	1728.7
	% Fixture	80.0	1.4	81.4
Total	Lumens	2091.9	31.0	2122.9
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	26.8	1.3
10°-20°	73.3	3.5
20°-30°	129.2	6.1
30°-40°	220.8	10.4
40°-50°	303.5	14.3
50°-60°	375.1	17.7
60°-70°	524.2	24.7
70°-80°	382.9	18.0
80°-90°	56.2	2.6
90°-100°	24.8	1.2
100°-110°	5.6	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°	2091.9	98.5
0°-180°	2122.9	100.0

Coefficient of Utilization



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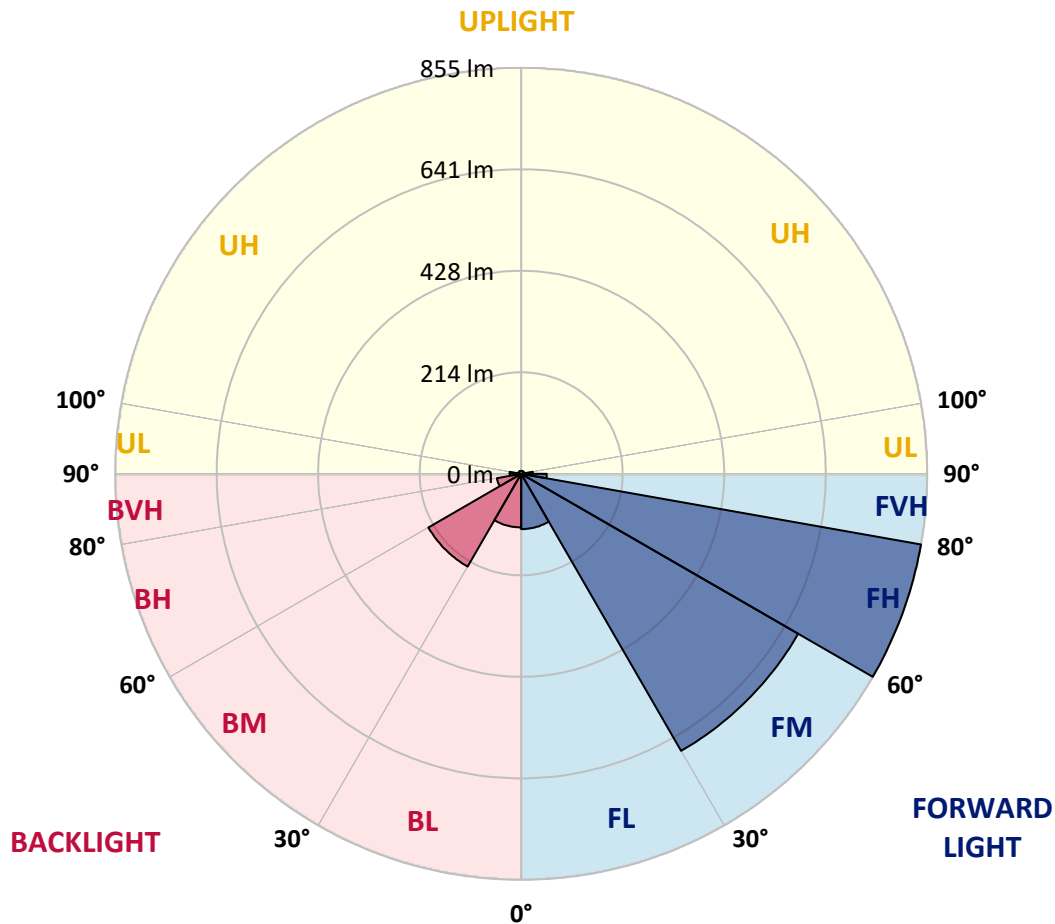
CATALOG NUMBER: CRTK2-C013-5TLD-U-T5R-8027-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	116.4	5.5			
FM	(30°-60°)	673.7	31.7			
FH	(60°-80°)	855.1	40.3			G1/1800
FVH	(80°-90°)	54.0	2.5			G1/100
BL	(0°-30°)	112.9	5.3	B1/500		
BM	(30°-60°)	225.6	10.6	B1/1000		
BH	(60°-80°)	52.0	2.4	B0/110		G0/110
BVH	(80°-90°)	2.2	0.1			G0/10
UL	(90°-100°)	24.8	1.2		U2/50	
UH	(100°-180°)	6.3	0.3		U1/10	

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°	90°
0°	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7
2.5°	294.7	294.7	294.7	294.7	295.8	294.7	293.7	291.6	291.6	291.6	291.6
5°	290.6	290.6	291.6	291.6	290.6	289.5	287.5	287.5	286.4	286.4	286.4
7.5°	284.4	284.4	284.4	285.4	283.3	280.2	279.2	278.1	277.1	276.1	275.0
10°	275.0	275.0	275.0	274.0	271.9	268.8	266.7	264.6	264.6	263.6	262.6
12.5°	268.8	268.8	268.8	267.8	264.6	262.6	259.4	257.4	256.3	256.3	255.3
15°	266.7	266.7	266.7	265.7	262.6	260.5	257.4	255.3	253.2	252.2	251.1
17.5°	266.7	266.7	266.7	264.6	263.6	260.5	257.4	255.3	254.3	253.2	252.2
20°	269.8	270.9	269.8	268.8	265.7	263.6	260.5	257.4	256.3	256.3	255.3
22.5°	278.1	277.1	277.1	276.1	272.9	269.8	267.8	265.7	263.6	263.6	262.6
25°	287.5	288.5	288.5	286.4	284.4	281.2	278.1	275.0	274.0	272.9	271.9
27.5°	301.0	301.0	302.0	299.9	296.8	294.7	291.6	289.5	287.5	285.4	284.4
30°	317.6	318.6	318.6	316.5	313.4	309.3	307.2	304.1	301.0	301.0	297.8
32.5°	339.4	341.4	340.4	338.3	335.2	331.1	329.0	325.9	323.8	320.7	318.6
35°	369.5	370.5	369.5	367.4	362.2	358.0	356.0	353.9	351.8	347.7	343.5
37.5°	402.7	403.7	404.7	402.7	396.4	390.2	388.1	385.0	384.0	378.8	376.7
40°	441.1	443.1	442.1	439.0	433.8	427.6	426.5	423.4	420.3	417.2	412.0
42.5°	487.8	487.8	486.7	484.6	480.5	473.2	471.2	468.0	466.0	459.7	451.4
45°	541.7	542.8	539.7	536.5	535.5	529.3	524.1	521.0	514.7	507.5	498.1
47.5°	605.0	604.0	599.8	596.7	595.7	590.5	586.4	580.1	571.8	563.5	545.9
50°	670.4	670.4	663.2	660.0	662.1	654.8	649.7	642.4	634.1	625.8	599.8
52.5°	741.0	737.9	730.6	731.6	728.5	721.3	715.0	709.9	701.5	694.3	652.8
55°	811.6	807.4	796.0	797.0	791.8	783.5	779.4	773.2	771.1	762.8	703.6
57.5°	876.9	871.7	859.3	858.3	854.1	844.8	842.7	835.4	830.2	826.1	742.0
60°	940.2	935.1	923.6	919.5	911.2	901.8	902.9	898.7	895.6	891.5	784.6
62.5°	997.3	991.1	980.7	972.4	961.0	952.7	953.7	951.7	953.7	952.7	820.9
65°	1075.2	1068.9	1053.4	1038.8	1022.2	1009.8	1008.7	1011.8	1033.6	1035.7	876.9
67.5°	1102.1	1095.9	1076.2	1058.6	1045.1	1035.7	1033.6	1032.6	1038.8	1053.4	865.5
70°	1017.0	1012.9	994.2	981.8	968.3	962.0	955.8	958.9	965.1	964.1	793.9
72.5°	878.0	900.8	876.9	865.5	862.4	845.8	850.0	846.8	851.0	850.0	705.7
75°	726.5	720.2	715.0	734.8	720.2	707.8	715.0	722.3	729.6	721.3	618.5
77.5°	528.2	532.4	530.3	537.6	551.1	544.8	540.7	558.3	561.4	533.4	480.5
80°	265.7	282.3	287.5	299.9	307.2	293.7	282.3	307.2	303.0	270.9	243.9
82.5°	69.5	70.6	80.9	95.5	97.6	95.5	97.6	95.5	83.0	52.9	44.6
85°	58.1	58.1	71.6	87.2	90.3	86.1	86.1	80.9	64.3	33.2	27.0
87.5°	47.7	49.8	64.3	78.9	80.9	76.8	75.8	69.5	56.0	29.1	22.8
90°	42.5	44.6	58.1	70.6	71.6	67.5	66.4	62.3	50.9	29.1	22.8
92.5°	46.7	47.7	57.1	64.3	64.3	61.2	60.2	57.1	49.8	36.3	28.0
95°	41.5	42.5	46.7	49.8	48.8	45.7	47.7	44.6	41.5	34.2	25.9
97.5°	34.2	35.3	36.3	36.3	35.3	33.2	35.3	34.2	32.2	28.0	20.8
100°	25.9	25.9	25.9	27.0	25.9	24.9	25.9	23.9	22.8	19.7	14.5
102.5°	17.6	17.6	17.6	17.6	17.6	17.6	17.6	15.6	14.5	12.5	8.3
105°	10.4	10.4	9.3	10.4	10.4	9.3	9.3	8.3	6.2	5.2	3.1
107.5°	4.2	4.2	3.1	3.1	3.1	3.1	2.1	1.0	1.0	1.0	1.0
110°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
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	1.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	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	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	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	1.0
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	1.0	1.0	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	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	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	0.0
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	1.0	1.0	1.0	1.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	0.0	0.0
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	0.0	1.0	1.0	1.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7	294.7
2.5°	291.6	291.6	291.6	291.6	291.6	291.6	292.7	293.7	294.7	294.7
5°	286.4	286.4	286.4	285.4	286.4	287.5	288.5	288.5	289.5	289.5
7.5°	276.1	275.0	275.0	275.0	276.1	278.1	278.1	279.2	280.2	280.2
10°	262.6	262.6	262.6	262.6	263.6	265.7	265.7	267.8	267.8	267.8
12.5°	255.3	255.3	254.3	253.2	255.3	255.3	258.4	259.4	260.5	262.6
15°	251.1	250.1	251.1	251.1	252.2	253.2	254.3	256.3	257.4	258.4
17.5°	251.1	251.1	251.1	252.2	253.2	253.2	254.3	256.3	257.4	258.4
20°	255.3	255.3	254.3	254.3	255.3	255.3	257.4	259.4	260.5	261.5
22.5°	261.5	260.5	260.5	259.4	260.5	261.5	263.6	265.7	265.7	265.7
25°	269.8	268.8	268.8	268.8	270.9	270.9	272.9	275.0	275.0	275.0
27.5°	283.3	281.2	280.2	280.2	280.2	281.2	283.3	284.4	285.4	285.4
30°	294.7	292.7	291.6	290.6	291.6	292.7	294.7	296.8	296.8	296.8
32.5°	315.5	310.3	307.2	308.2	308.2	309.3	311.3	311.3	312.4	312.4
35°	339.4	334.2	329.0	330.0	330.0	331.1	331.1	331.1	333.1	331.1
37.5°	369.5	361.2	357.0	358.0	356.0	356.0	356.0	356.0	354.9	357.0
40°	401.6	389.2	385.0	386.1	385.0	384.0	384.0	385.0	384.0	385.0
42.5°	396.4	344.5	357.0	371.5	381.9	389.2	397.5	401.6	401.6	405.8
45°	346.6	204.4	219.0	238.7	255.3	272.9	281.2	287.5	291.6	299.9
47.5°	301.0	73.7	84.1	97.6	115.2	115.2	129.7	136.0	138.0	145.3
50°	292.7	11.4	9.3	10.4	11.4	12.5	13.5	16.6	16.6	20.8
52.5°	318.6	10.4	6.2	4.2	4.2	3.1	2.1	2.1	2.1	3.1
55°	347.7	11.4	6.2	4.2	3.1	3.1	1.0	1.0	1.0	1.0
57.5°	372.6	10.4	5.2	4.2	3.1	2.1	0.0	0.0	0.0	0.0
60°	399.6	11.4	6.2	4.2	3.1	2.1	0.0	0.0	0.0	0.0
62.5°	423.4	11.4	6.2	4.2	3.1	1.0	0.0	0.0	0.0	0.0
65°	457.7	12.5	6.2	4.2	2.1	0.0	0.0	0.0	0.0	0.0
67.5°	463.9	12.5	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0
70°	414.1	10.4	4.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	356.0	6.2	3.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	286.4	5.2	2.1	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	192.0	4.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	86.1	3.1	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
82.5°	18.7	2.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.5	2.1	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
87.5°	11.4	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
90°	11.4	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	13.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	12.5	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.3	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.2	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.1	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.0	1.0	1.0	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°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.0	1.0	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°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	1.0	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	1.0	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°	1.0	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°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.0	1.0	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	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.0	1.0	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)