

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: P691175

Luminaire Tested: **CRTK2-C013-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691175
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-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2046 lumens
Efficiency: N/A
Efficacy: 100.3 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



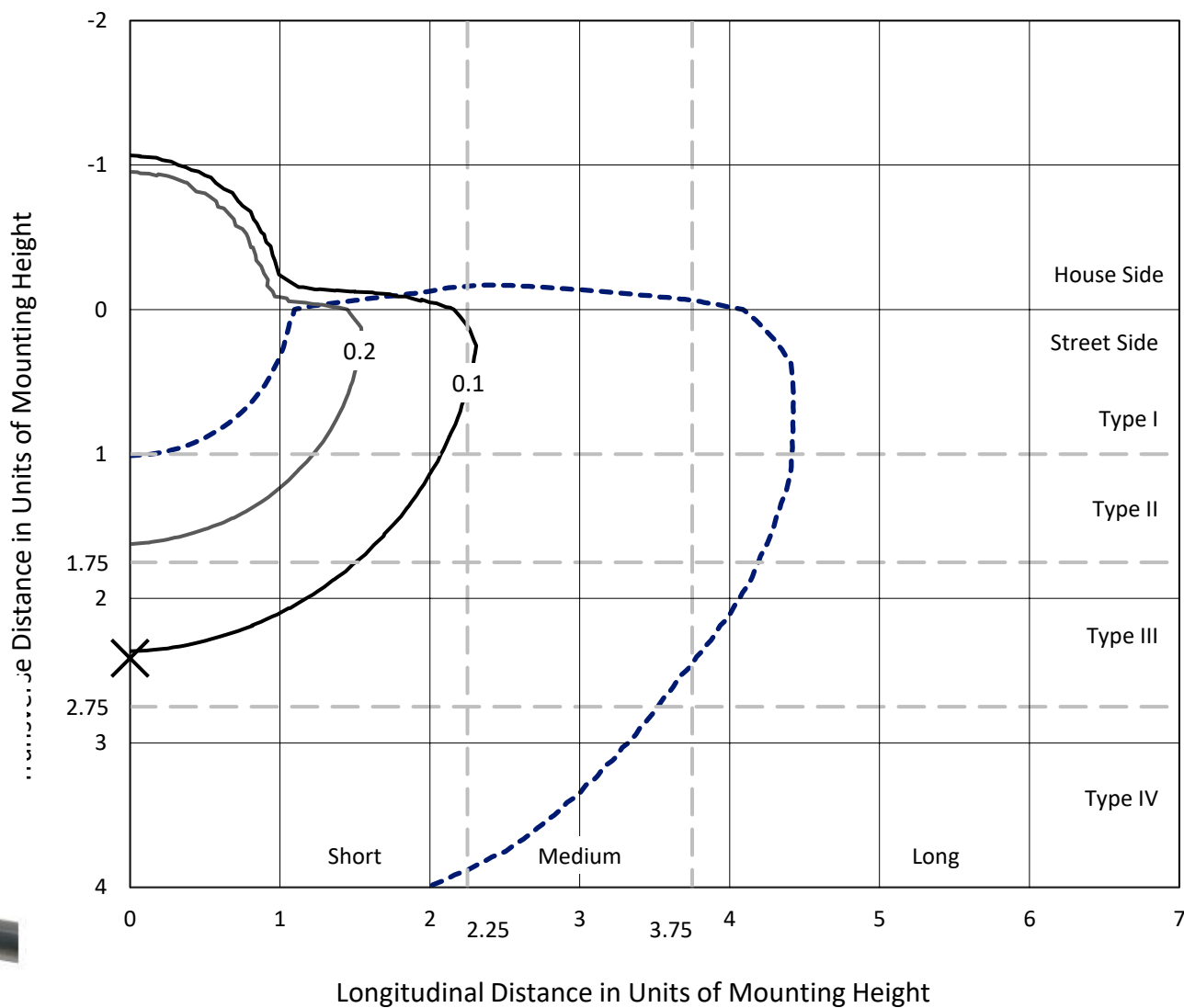
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CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

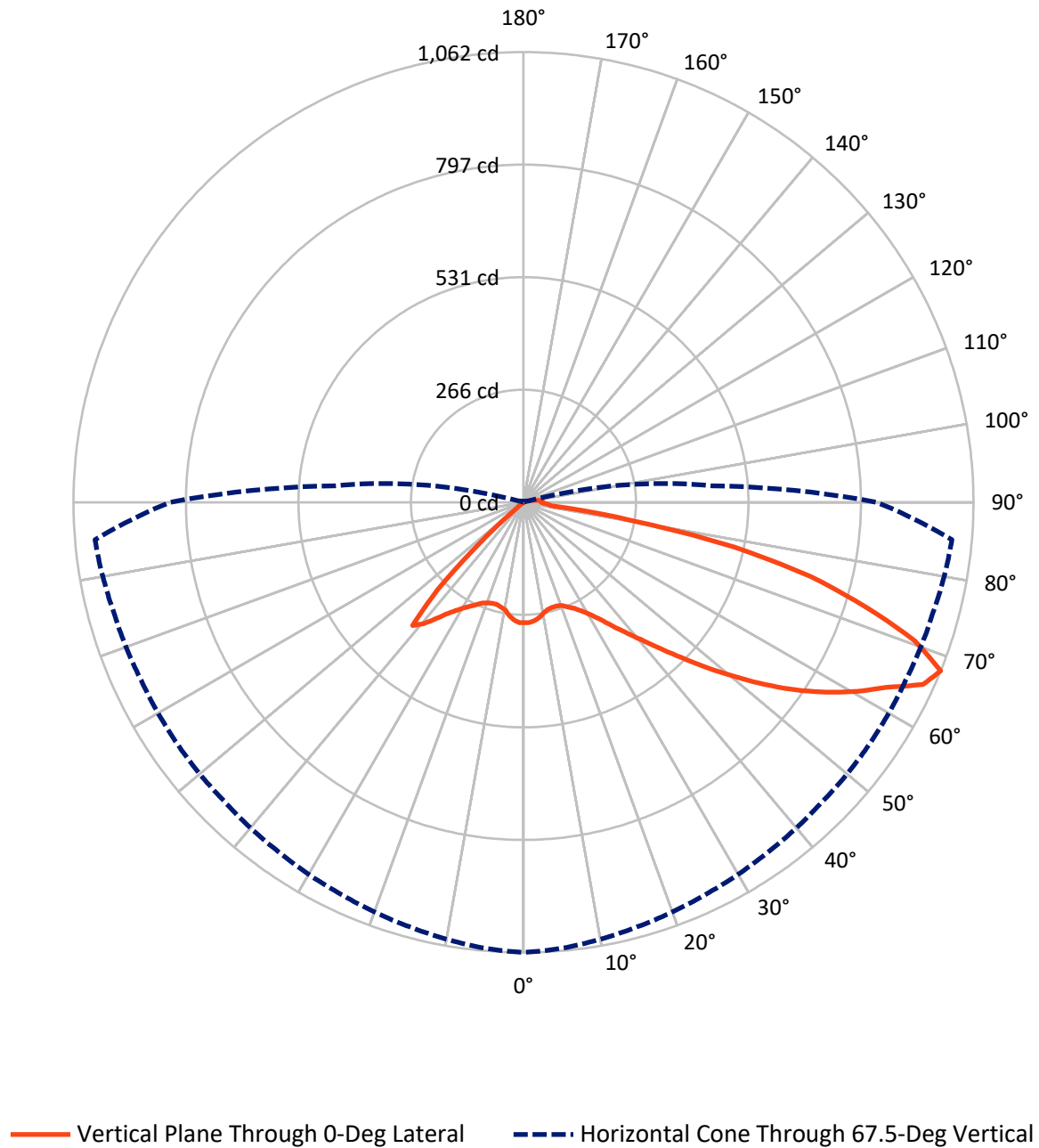


Based on 25 foot mounting height. Maximum calculated value = 0.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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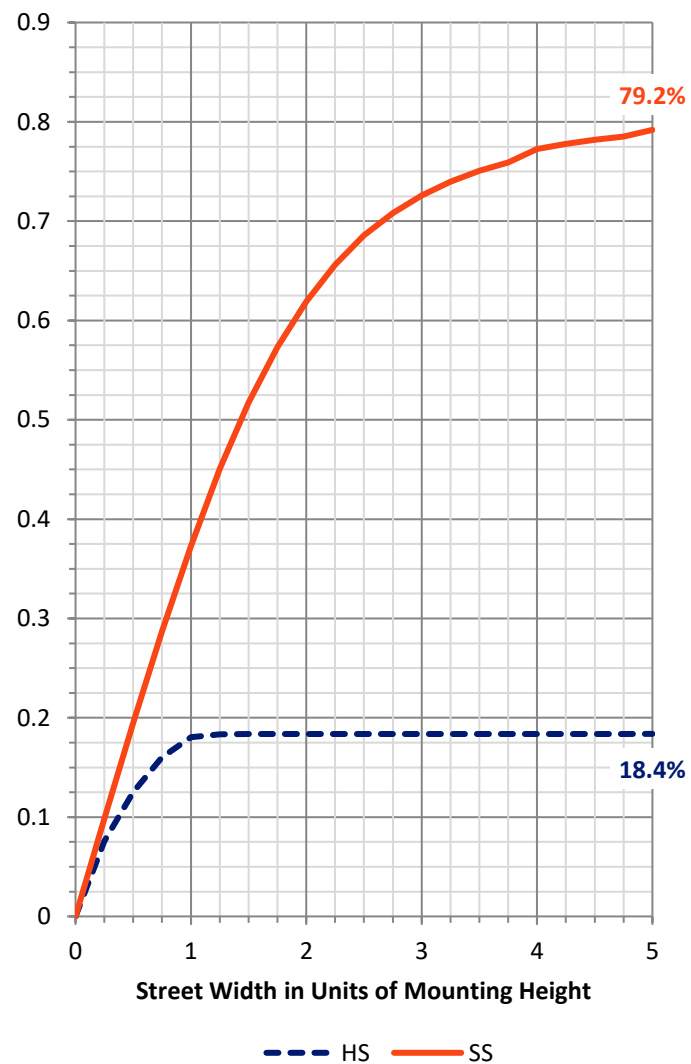
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	378.4	1.5	379.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	1637.6	28.4	1666.0
	% Fixture	80.0	1.4	81.4
Total	Lumens	2016.0	29.9	2046.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	25.8	1.3
10°-20°	70.7	3.5
20°-30°	124.5	6.1
30°-40°	212.8	10.4
40°-50°	292.5	14.3
50°-60°	361.4	17.7
60°-70°	505.1	24.7
70°-80°	369.0	18.0
80°-90°	54.2	2.6
90°-100°	23.9	1.2
100°-110°	5.5	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°	2016.0	98.5
0°-180°	2046.0	100.0

Coefficient of Utilization



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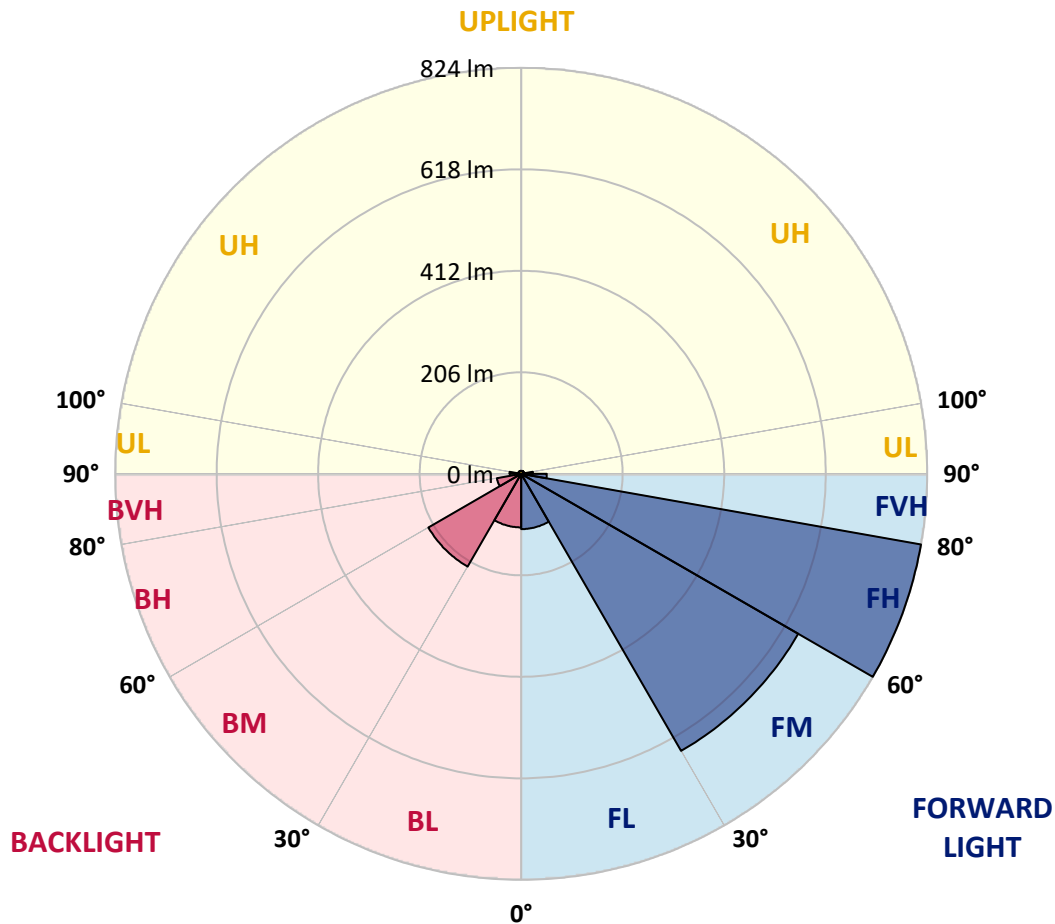
CATALOG NUMBER: CRTK2-C013-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	112.2	5.5			
FM	(30°-60°)	649.3	31.7			
FH	(60°-80°)	824.1	40.3			G1/1800
FVH	(80°-90°)	52.1	2.5			G1/100
BL	(0°-30°)	108.8	5.3	B0/110		
BM	(30°-60°)	217.4	10.6	B0/220		
BH	(60°-80°)	50.1	2.4	B0/110		G0/110
BVH	(80°-90°)	2.1	0.1			G0/10
UL	(90°-100°)	23.9	1.2		U2/50	
UH	(100°-180°)	6.1	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°	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0
2.5°	284.0	284.0	284.0	284.0	285.0	284.0	283.0	281.0	281.0	281.0	281.0
5°	280.0	280.0	281.0	281.0	280.0	279.0	277.0	277.0	276.0	276.0	276.0
7.5°	274.0	274.0	274.0	275.0	273.0	270.0	269.0	268.0	267.0	266.0	265.0
10°	265.0	265.0	265.0	264.0	262.0	259.0	257.0	255.0	255.0	254.0	253.0
12.5°	259.0	259.0	259.0	258.0	255.0	253.0	250.0	248.0	247.0	247.0	246.0
15°	257.0	257.0	257.0	256.0	253.0	251.0	248.0	246.0	244.0	243.0	242.0
17.5°	257.0	257.0	257.0	255.0	254.0	251.0	248.0	246.0	245.0	244.0	243.0
20°	260.0	261.0	260.0	259.0	256.0	254.0	251.0	248.0	247.0	247.0	246.0
22.5°	268.0	267.0	267.0	266.0	263.0	260.0	258.0	256.0	254.0	254.0	253.0
25°	277.0	278.0	278.0	276.0	274.0	271.0	268.0	265.0	264.0	263.0	262.0
27.5°	290.0	290.0	291.0	289.0	286.0	284.0	281.0	279.0	277.0	275.0	274.0
30°	306.0	307.0	307.0	305.0	302.0	298.0	296.0	293.0	290.0	290.0	287.0
32.5°	327.1	329.1	328.1	326.1	323.0	319.0	317.0	314.0	312.0	309.0	307.0
35°	356.1	357.1	356.1	354.1	349.1	345.1	343.1	341.1	339.1	335.1	331.1
37.5°	388.1	389.1	390.1	388.1	382.1	376.1	374.1	371.1	370.1	365.1	363.1
40°	425.1	427.1	426.1	423.1	418.1	412.1	411.1	408.1	405.1	402.1	397.1
42.5°	470.1	470.1	469.1	467.1	463.1	456.1	454.1	451.1	449.1	443.1	435.1
45°	522.1	523.1	520.1	517.1	516.1	510.1	505.1	502.1	496.1	489.1	480.1
47.5°	583.1	582.1	578.1	575.1	574.1	569.1	565.1	559.1	551.1	543.1	526.1
50°	646.1	646.1	639.1	636.1	638.1	631.1	626.1	619.1	611.1	603.1	578.1
52.5°	714.1	711.1	704.1	705.1	702.1	695.1	689.1	684.1	676.1	669.1	629.1
55°	782.1	778.1	767.1	768.1	763.1	755.1	751.1	745.1	743.1	735.1	678.1
57.5°	845.1	840.1	828.1	827.1	823.1	814.1	812.1	805.1	800.1	796.1	715.1
60°	906.1	901.1	890.1	886.1	878.1	869.1	870.1	866.1	863.1	859.1	756.1
62.5°	961.1	955.1	945.1	937.1	926.1	918.1	919.1	917.1	919.1	918.1	791.1
65°	1036.2	1030.2	1015.2	1001.2	985.2	973.2	972.1	975.2	996.2	998.2	845.1
67.5°	1062.2	1056.2	1037.2	1020.2	1007.2	998.2	996.2	995.2	1001.2	1015.2	834.1
70°	980.2	976.2	958.1	946.1	933.1	927.1	921.1	924.1	930.1	929.1	765.1
72.5°	846.1	868.1	845.1	834.1	831.1	815.1	819.1	816.1	820.1	819.1	680.1
75°	700.1	694.1	689.1	708.1	694.1	682.1	689.1	696.1	703.1	695.1	596.1
77.5°	509.1	513.1	511.1	518.1	531.1	525.1	521.1	538.1	541.1	514.1	463.1
80°	256.0	272.0	277.0	289.0	296.0	283.0	272.0	296.0	292.0	261.0	235.0
82.5°	67.0	68.0	78.0	92.0	94.0	92.0	94.0	92.0	80.0	51.0	43.0
85°	56.0	56.0	69.0	84.0	87.0	83.0	83.0	78.0	62.0	32.0	26.0
87.5°	46.0	48.0	62.0	76.0	78.0	74.0	73.0	67.0	54.0	28.0	22.0
90°	41.0	43.0	56.0	68.0	69.0	65.0	64.0	60.0	49.0	28.0	22.0
92.5°	45.0	46.0	55.0	62.0	62.0	59.0	58.0	55.0	48.0	35.0	27.0
95°	40.0	41.0	45.0	48.0	47.0	44.0	46.0	43.0	40.0	33.0	25.0
97.5°	33.0	34.0	35.0	35.0	34.0	32.0	34.0	33.0	31.0	27.0	20.0
100°	25.0	25.0	25.0	26.0	25.0	24.0	25.0	23.0	22.0	19.0	14.0
102.5°	17.0	17.0	17.0	17.0	17.0	17.0	17.0	15.0	14.0	12.0	8.0
105°	10.0	10.0	9.0	10.0	10.0	9.0	9.0	8.0	6.0	5.0	3.0
107.5°	4.0	4.0	3.0	3.0	3.0	3.0	2.0	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°	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0	284.0
2.5°	281.0	281.0	281.0	281.0	281.0	281.0	282.0	283.0	284.0	284.0
5°	276.0	276.0	276.0	275.0	276.0	277.0	278.0	278.0	279.0	279.0
7.5°	266.0	265.0	265.0	265.0	266.0	268.0	268.0	269.0	270.0	270.0
10°	253.0	253.0	253.0	253.0	254.0	256.0	256.0	258.0	258.0	258.0
12.5°	246.0	246.0	245.0	244.0	246.0	246.0	249.0	250.0	251.0	253.0
15°	242.0	241.0	242.0	242.0	243.0	244.0	245.0	247.0	248.0	249.0
17.5°	242.0	242.0	242.0	243.0	244.0	244.0	245.0	247.0	248.0	249.0
20°	246.0	246.0	245.0	245.0	246.0	246.0	248.0	250.0	251.0	252.0
22.5°	252.0	251.0	251.0	250.0	251.0	252.0	254.0	256.0	256.0	256.0
25°	260.0	259.0	259.0	259.0	261.0	261.0	263.0	265.0	265.0	265.0
27.5°	273.0	271.0	270.0	270.0	270.0	271.0	273.0	274.0	275.0	275.0
30°	284.0	282.0	281.0	280.0	281.0	282.0	284.0	286.0	286.0	286.0
32.5°	304.0	299.0	296.0	297.0	297.0	298.0	300.0	300.0	301.0	301.0
35°	327.1	322.0	317.0	318.0	318.0	319.0	319.0	319.0	321.0	319.0
37.5°	356.1	348.1	344.1	345.1	343.1	343.1	343.1	343.1	342.1	344.1
40°	387.1	375.1	371.1	372.1	371.1	370.1	370.1	371.1	370.1	371.1
42.5°	382.1	332.1	344.1	358.1	368.1	375.1	383.1	387.1	387.1	391.1
45°	334.1	197.0	211.0	230.0	246.0	263.0	271.0	277.0	281.0	289.0
47.5°	290.0	71.0	81.0	94.0	111.0	111.0	125.0	131.0	133.0	140.0
50°	282.0	11.0	9.0	10.0	11.0	12.0	13.0	16.0	16.0	20.0
52.5°	307.0	10.0	6.0	4.0	4.0	3.0	2.0	2.0	2.0	3.0
55°	335.1	11.0	6.0	4.0	3.0	3.0	1.0	1.0	1.0	1.0
57.5°	359.1	10.0	5.0	4.0	3.0	2.0	0.0	0.0	0.0	0.0
60°	385.1	11.0	6.0	4.0	3.0	2.0	0.0	0.0	0.0	0.0
62.5°	408.1	11.0	6.0	4.0	3.0	1.0	0.0	0.0	0.0	0.0
65°	441.1	12.0	6.0	4.0	2.0	0.0	0.0	0.0	0.0	0.0
67.5°	447.1	12.0	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0
70°	399.1	10.0	4.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0
72.5°	343.1	6.0	3.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	276.0	5.0	2.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	185.0	4.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	83.0	3.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
82.5°	18.0	2.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	12.0	2.0	1.0	1.0	0.0	0.0	1.0	1.0	0.0	0.0
87.5°	11.0	1.0	1.0	1.0	0.0	0.0	0.0	1.0	0.0	0.0
90°	11.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	13.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	12.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	9.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	6.0	1.0	1.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.0	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)