

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: P691268

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-23)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4330 lumens
Efficiency: N/A
Efficacy: 132.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B2 - U3 - G1

Input Watts (W): 32.7
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



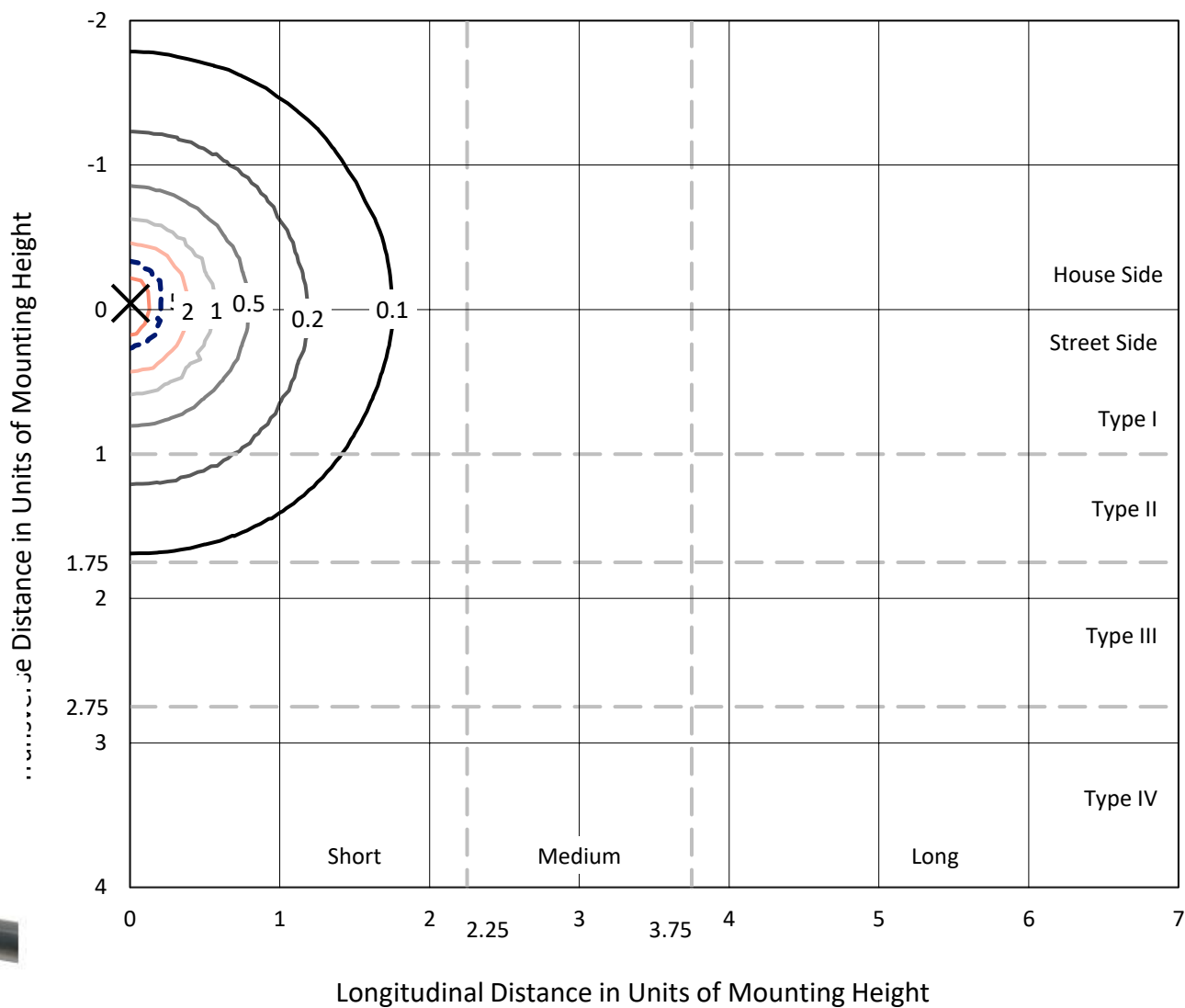
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

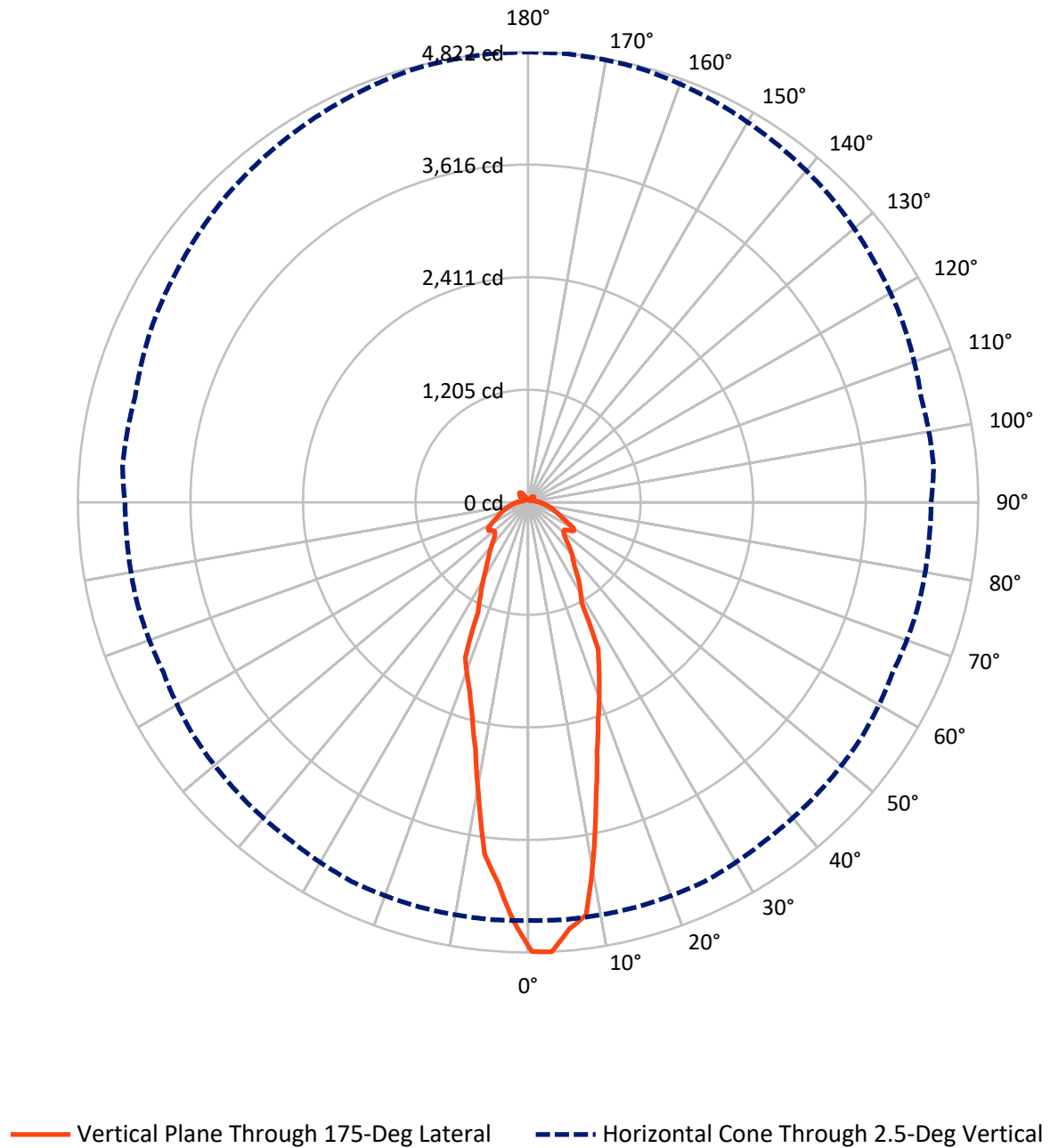


Based on 25 foot mounting height. Maximum calculated value = 7.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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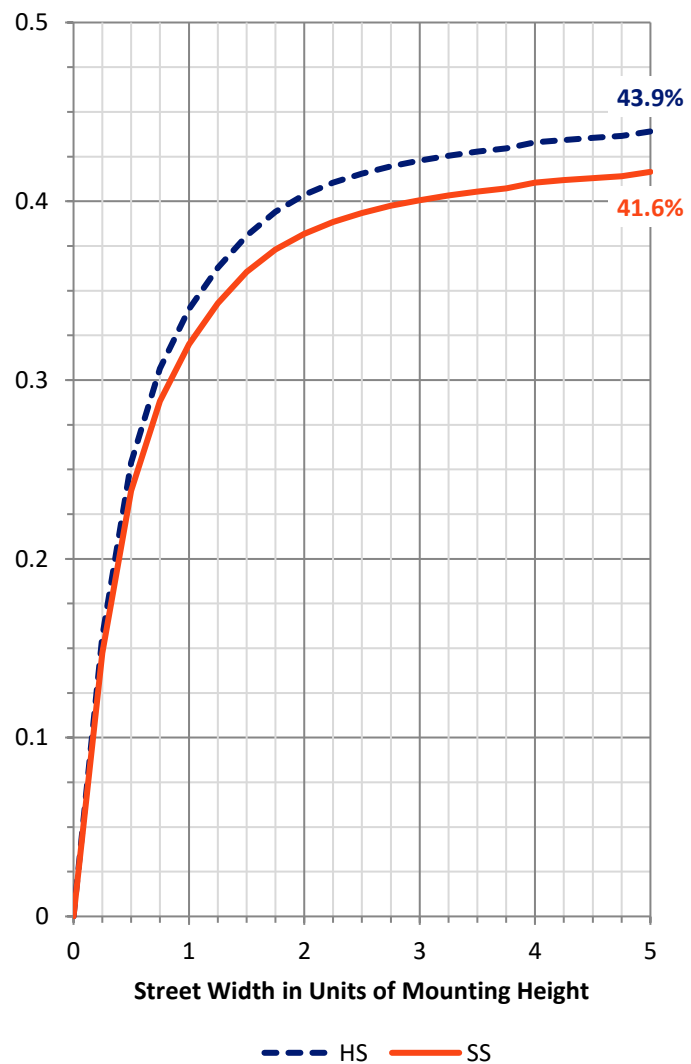
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1959.7	258.9	2218.6
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	1845.7	265.7	2111.4
	% Fixture	42.6	6.1	48.8
Total	Lumens	3805.4	524.6	4330.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	358.2	8.3
10°-20°	628.8	14.5
20°-30°	623.5	14.4
30°-40°	480.6	11.1
40°-50°	412.0	9.5
50°-60°	460.8	10.6
60°-70°	394.8	9.1
70°-80°	271.7	6.3
80°-90°	174.9	4.0
90°-100°	104.8	2.4
100°-110°	62.4	1.4
110°-120°	57.7	1.3
120°-130°	82.4	1.9
130°-140°	106.4	2.5
140°-150°	78.8	1.8
150°-160°	28.8	0.7
160°-170°	3.4	0.1
170°-180°	0.0	0.0
0°-90°	3805.4	87.9
0°-180°	4330.0	100.0

Coefficient of Utilization



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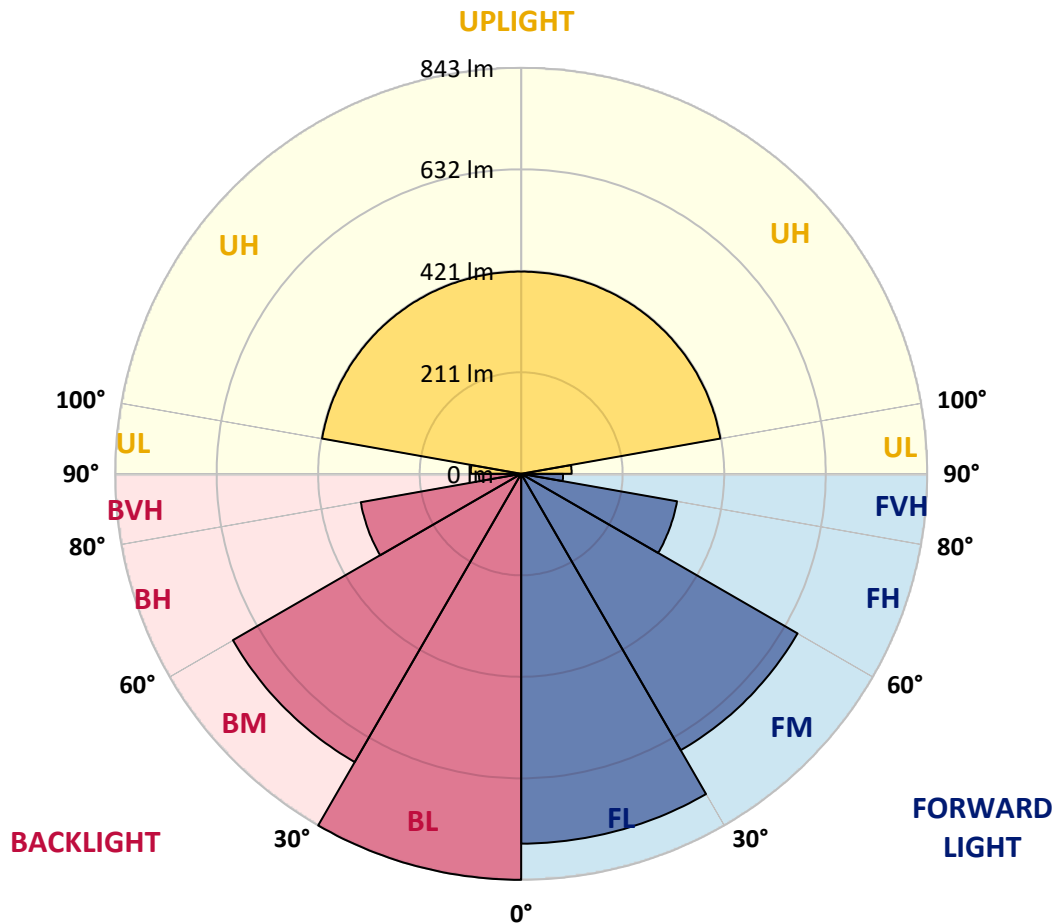
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	767.6	17.7			
FM	(30°-60°)	662.5	15.3			
FH	(60°-80°)	328.4	7.6			G0/660
FVH	(80°-90°)	87.2	2.0			G1/100
BL	(0°-30°)	842.9	19.5	B2/1000		
BM	(30°-60°)	691.0	16.0	B1/1000		
BH	(60°-80°)	338.1	7.8	B1/500		G0/660
BVH	(80°-90°)	87.7	2.0			G1/100
UL	(90°-100°)	104.8	2.4		U3/500	
UH	(100°-180°)	419.8	9.7		U3/500	

BUG Rating: B2-U3-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
2.5°	4479.6	4486.1	4487.8	4479.6	4425.9	4398.2	4368.9	4310.2	4323.2	4315.1	4316.7
5°	4062.6	4088.7	4048.0	4036.5	3955.1	3894.8	3836.2	3772.7	3758.0	3731.9	3741.7
7.5°	3785.7	3800.3	3733.6	3665.1	3534.8	3442.0	3344.2	3246.5	3173.2	3145.5	3156.9
10°	3152.0	3200.9	3134.1	3064.1	2940.3	2829.5	2726.9	2630.8	2564.0	2542.8	2546.1
12.5°	2679.6	2707.3	2650.3	2603.1	2464.6	2358.7	2264.2	2174.7	2120.9	2098.1	2098.1
15°	2366.9	2378.3	2334.3	2243.1	2138.8	2042.7	1962.9	1897.7	1853.7	1845.6	1848.9
17.5°	2130.7	2130.7	2086.7	2015.0	1935.2	1850.5	1795.1	1746.2	1726.7	1733.2	1734.8
20°	1953.1	1954.7	1915.6	1845.6	1777.2	1700.6	1655.0	1620.8	1609.4	1620.8	1622.4
22.5°	1785.3	1793.5	1751.1	1699.0	1624.1	1563.8	1526.3	1488.9	1482.3	1487.2	1487.2
25°	1291.8	1291.8	1277.1	1236.4	1252.7	1259.2	1303.2	1397.6	1378.1	1396.0	1394.4
27.5°	1114.2	1120.7	1091.4	1055.6	1018.1	974.1	966.0	957.8	949.7	987.1	1000.2
30°	983.9	987.1	962.7	938.3	907.3	882.9	876.4	876.4	868.2	897.6	895.9
32.5°	860.1	855.2	848.7	825.9	806.3	785.2	790.0	786.8	786.8	812.8	814.5
35°	762.4	760.7	755.8	739.5	720.0	703.7	708.6	711.9	710.2	726.5	726.5
37.5°	690.7	692.3	689.0	682.5	663.0	650.0	653.2	650.0	654.8	666.2	666.2
40°	620.6	620.6	622.3	620.6	607.6	602.7	612.5	607.6	619.0	627.1	623.9
42.5°	553.8	555.5	558.7	555.5	547.3	542.4	547.3	549.0	565.2	576.6	575.0
45°	511.5	511.5	513.1	511.5	505.0	500.1	500.1	495.2	506.6	513.1	511.5
47.5°	483.8	483.8	487.1	485.4	482.2	477.3	474.0	467.5	472.4	477.3	472.4
50°	474.0	474.0	480.5	480.5	478.9	474.0	469.1	461.0	462.6	465.9	459.4
52.5°	488.7	488.7	500.1	505.0	505.0	496.8	490.3	478.9	478.9	482.2	472.4
55°	519.6	519.6	537.6	547.3	549.0	549.0	540.8	529.4	531.0	537.6	527.8
57.5°	508.2	509.9	524.5	537.6	545.7	550.6	550.6	544.1	549.0	565.2	560.4
60°	454.5	457.7	467.5	478.9	493.6	498.5	498.5	496.8	505.0	524.5	524.5
62.5°	404.0	405.6	410.5	420.3	428.4	431.7	431.7	425.2	434.9	444.7	441.4
65°	364.9	363.3	373.0	381.2	386.1	390.9	386.1	379.5	384.4	390.9	389.3
67.5°	332.3	332.3	340.5	347.0	350.2	355.1	351.9	348.6	355.1	358.4	355.1
70°	301.4	303.0	309.5	314.4	317.6	322.5	317.6	316.0	322.5	325.8	324.2
72.5°	270.4	272.0	276.9	283.4	286.7	288.3	286.7	285.1	290.0	293.2	293.2
75°	242.7	244.3	247.6	254.1	254.1	257.4	255.7	254.1	259.0	262.3	262.3
77.5°	216.7	219.9	221.5	226.4	228.1	229.7	228.1	228.1	231.3	234.6	236.2
80°	193.8	195.5	197.1	202.0	202.0	203.6	202.0	202.0	205.2	210.1	210.1
82.5°	172.7	174.3	175.9	179.2	177.6	179.2	179.2	179.2	182.4	187.3	187.3
85°	151.5	154.8	154.8	158.0	158.0	158.0	158.0	159.6	161.3	166.2	166.2
87.5°	133.6	135.2	136.8	138.5	138.5	140.1	140.1	141.7	143.3	146.6	148.2
90°	115.7	117.3	118.9	118.9	118.9	120.5	120.5	122.2	123.8	127.1	128.7
92.5°	102.6	104.3	104.3	105.9	105.9	105.9	107.5	109.1	110.8	114.0	114.0
95°	91.2	92.9	92.9	92.9	92.9	94.5	94.5	96.1	97.7	101.0	101.0
97.5°	81.4	81.4	81.4	81.4	81.4	83.1	83.1	84.7	86.3	88.0	88.0
100°	71.7	71.7	71.7	71.7	71.7	71.7	71.7	73.3	73.3	76.6	76.6
102.5°	63.5	63.5	61.9	61.9	61.9	60.3	60.3	61.9	61.9	63.5	63.5
105°	57.0	57.0	57.0	57.0	55.4	55.4	55.4	55.4	55.4	57.0	57.0
107.5°	55.4	55.4	53.8	53.8	53.8	52.1	52.1	52.1	52.1	53.8	53.8
110°	53.8	53.8	53.8	53.8	52.1	52.1	50.5	50.5	50.5	52.1	52.1

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	55.4	55.4	55.4	53.8	53.8	52.1	52.1	52.1	52.1	52.1	53.8
115°	58.6	57.0	57.0	57.0	57.0	55.4	53.8	53.8	55.4	55.4	55.4
117.5°	63.5	61.9	61.9	63.5	61.9	60.3	58.6	58.6	60.3	60.3	61.9
120°	70.0	68.4	70.0	70.0	70.0	68.4	66.8	65.2	66.8	68.4	68.4
122.5°	78.2	76.6	78.2	79.8	79.8	78.2	74.9	74.9	76.6	78.2	79.8
125°	88.0	88.0	89.6	91.2	92.9	89.6	88.0	86.3	89.6	91.2	91.2
127.5°	99.4	97.7	101.0	105.9	107.5	104.3	101.0	99.4	102.6	105.9	105.9
130°	110.8	109.1	114.0	118.9	122.2	118.9	115.7	114.0	117.3	120.5	120.5
132.5°	120.5	118.9	125.4	131.9	135.2	133.6	130.3	127.1	131.9	135.2	133.6
135°	128.7	128.7	136.8	143.3	146.6	145.0	141.7	138.5	145.0	148.2	145.0
137.5°	133.6	133.6	143.3	149.9	153.1	153.1	151.5	148.2	154.8	156.4	151.5
140°	133.6	135.2	143.3	149.9	151.5	153.1	153.1	151.5	158.0	158.0	153.1
142.5°	128.7	130.3	138.5	145.0	146.6	148.2	149.9	148.2	153.1	153.1	149.9
145°	120.5	122.2	130.3	136.8	136.8	138.5	141.7	140.1	143.3	145.0	141.7
147.5°	109.1	110.8	117.3	120.5	122.2	125.4	128.7	128.7	130.3	131.9	130.3
150°	94.5	94.5	99.4	102.6	104.3	107.5	110.8	112.4	112.4	114.0	112.4
152.5°	74.9	74.9	78.2	81.4	83.1	88.0	89.6	91.2	92.9	94.5	92.9
155°	57.0	57.0	58.6	60.3	61.9	66.8	68.4	70.0	71.7	73.3	71.7
157.5°	40.7	40.7	42.4	44.0	45.6	48.9	50.5	52.1	52.1	53.8	53.8
160°	26.1	27.7	27.7	29.3	29.3	32.6	34.2	34.2	35.8	37.5	37.5
162.5°	13.0	14.7	14.7	16.3	17.9	19.5	21.2	21.2	22.8	22.8	22.8
165°	3.3	4.9	4.9	6.5	6.5	8.1	9.8	9.8	11.4	11.4	11.4
167.5°	0.0	1.6	1.6	1.6	1.6	1.6	1.6	3.3	3.3	3.3	3.3
170°	0.0	0.0	0.0	0.0	1.6	0.0	0.0	1.6	1.6	1.6	1.6
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°	178°	180°
0°	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9	4811.9
2.5°	4360.7	4357.5	4447.0	4518.7	4603.4	4670.2	4735.4	4797.3	4821.7	4820.1	4821.7
5°	3785.7	3842.7	3960.0	4075.6	4212.5	4341.2	4461.7	4541.5	4592.0	4592.0	4596.9
7.5°	3209.0	3300.3	3445.2	3629.3	3834.6	4002.3	4206.0	4349.3	4463.3	4460.1	4481.3
10°	2591.7	2663.3	2808.3	3005.4	3231.8	3425.7	3603.2	3736.8	3847.6	3841.1	3868.8
12.5°	2129.0	2179.5	2305.0	2484.2	2691.0	2878.4	3052.7	3156.9	3235.1	3233.5	3248.1
15°	1857.0	1909.1	1990.6	2114.4	2285.4	2451.6	2625.9	2720.4	2764.3	2759.4	2783.9
17.5°	1746.2	1767.4	1817.9	1901.0	2024.8	2160.0	2298.5	2379.9	2430.4	2423.9	2441.8
20°	1627.3	1646.9	1681.1	1743.0	1830.9	1933.6	2050.9	2140.4	2177.9	2176.3	2187.7
22.5°	1490.5	1500.3	1537.7	1586.6	1650.1	1733.2	1822.8	1904.2	1941.7	1940.1	1951.5
25°	1396.0	1412.3	1435.1	1464.4	1508.4	1573.6	1648.5	1705.5	1739.7	1736.5	1751.1
27.5°	1019.7	1036.0	1047.4	1065.3	1067.0	1120.7	1146.8	1194.0	1225.0	1223.3	1233.1
30°	895.9	899.2	909.0	933.4	948.1	990.4	1042.5	1078.4	1104.4	1114.2	1120.7
32.5°	817.7	827.5	838.9	850.3	868.2	894.3	935.0	967.6	995.3	1000.2	1011.6
35°	728.1	734.7	742.8	754.2	765.6	786.8	817.7	843.8	865.0	873.1	879.6
37.5°	664.6	666.2	674.4	687.4	697.2	715.1	742.8	762.4	783.5	785.2	791.7
40°	622.3	623.9	632.0	643.4	654.8	666.2	690.7	708.6	723.3	724.9	729.8
42.5°	573.4	578.3	581.5	586.4	594.6	604.3	625.5	635.3	645.1	646.7	653.2
45°	506.6	508.2	511.5	516.4	526.2	535.9	550.6	562.0	568.5	568.5	566.9
47.5°	469.1	470.8	470.8	477.3	485.4	495.2	508.2	518.0	521.3	521.3	521.3
50°	456.1	456.1	452.8	457.7	465.9	472.4	485.4	493.6	495.2	496.8	498.5
52.5°	465.9	462.6	452.8	457.7	465.9	472.4	485.4	488.7	488.7	491.9	493.6
55°	519.6	514.7	495.2	498.5	508.2	516.4	526.2	527.8	531.0	535.9	534.3
57.5°	553.8	557.1	534.3	539.2	557.1	563.6	575.0	573.4	579.9	586.4	588.1
60°	521.3	531.0	513.1	519.6	540.8	544.1	555.5	549.0	558.7	558.7	558.7
62.5°	443.1	446.3	436.6	446.3	465.9	465.9	474.0	469.1	472.4	469.1	470.8
65°	387.7	386.1	374.7	387.7	394.2	397.5	404.0	405.6	405.6	402.4	402.4
67.5°	353.5	350.2	340.5	343.7	350.2	351.9	361.6	363.3	361.6	361.6	363.3
70°	322.5	317.6	307.9	309.5	314.4	316.0	324.2	327.4	325.8	324.2	325.8
72.5°	291.6	286.7	276.9	276.9	281.8	285.1	291.6	294.8	291.6	291.6	293.2
75°	262.3	257.4	247.6	247.6	250.9	252.5	260.6	262.3	260.6	259.0	260.6
77.5°	236.2	232.9	223.2	223.2	224.8	226.4	231.3	232.9	231.3	229.7	231.3
80°	211.8	206.9	200.4	198.7	200.4	200.4	205.2	206.9	203.6	203.6	205.2
82.5°	189.0	184.1	177.6	177.6	175.9	177.6	180.8	182.4	180.8	179.2	180.8
85°	167.8	164.5	158.0	156.4	156.4	156.4	159.6	159.6	158.0	158.0	158.0
87.5°	148.2	145.0	138.5	138.5	136.8	138.5	140.1	140.1	138.5	138.5	138.5
90°	128.7	125.4	120.5	120.5	118.9	120.5	122.2	122.2	120.5	120.5	120.5
92.5°	114.0	112.4	107.5	107.5	105.9	107.5	107.5	107.5	105.9	105.9	105.9
95°	101.0	99.4	96.1	94.5	94.5	94.5	94.5	94.5	92.9	92.9	92.9
97.5°	88.0	86.3	83.1	83.1	81.4	83.1	83.1	83.1	81.4	81.4	81.4
100°	76.6	74.9	73.3	73.3	71.7	71.7	71.7	71.7	71.7	71.7	71.7
102.5°	63.5	63.5	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9	61.9
105°	57.0	57.0	57.0	57.0	58.6	58.6	58.6	57.0	57.0	57.0	57.0
107.5°	53.8	53.8	53.8	55.4	55.4	55.4	57.0	53.8	52.1	52.1	52.1
110°	52.1	52.1	53.8	53.8	55.4	55.4	57.0	50.5	48.9	48.9	48.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	53.8	53.8	53.8	55.4	57.0	57.0	58.6	50.5	48.9	48.9	48.9
115°	57.0	57.0	57.0	58.6	60.3	61.9	61.9	53.8	50.5	50.5	52.1
117.5°	61.9	61.9	61.9	63.5	66.8	66.8	66.8	57.0	55.4	55.4	55.4
120°	68.4	70.0	70.0	71.7	74.9	76.6	73.3	65.2	55.4	60.3	60.3
122.5°	78.2	79.8	81.4	83.1	88.0	88.0	83.1	74.9	60.3	66.8	68.4
125°	91.2	92.9	94.5	97.7	102.6	102.6	96.1	84.7	68.4	74.9	76.6
127.5°	104.3	107.5	109.1	114.0	120.5	120.5	112.4	97.7	76.6	81.4	83.1
130°	118.9	122.2	125.4	131.9	140.1	136.8	130.3	110.8	83.1	86.3	86.3
132.5°	131.9	136.8	138.5	148.2	156.4	153.1	145.0	118.9	86.3	86.3	84.7
135°	141.7	145.0	146.6	156.4	164.5	159.6	149.9	122.2	84.7	81.4	81.4
137.5°	148.2	151.5	153.1	159.6	166.2	158.0	145.0	115.7	81.4	79.8	78.2
140°	151.5	151.5	151.5	156.4	159.6	149.9	133.6	104.3	73.3	76.6	76.6
142.5°	148.2	146.6	145.0	148.2	149.9	138.5	123.8	92.9	66.8	70.0	70.0
145°	140.1	136.8	135.2	136.8	136.8	123.8	107.5	79.8	58.6	60.3	60.3
147.5°	128.7	123.8	120.5	120.5	118.9	105.9	91.2	66.8	50.5	48.9	48.9
150°	110.8	105.9	102.6	102.6	97.7	86.3	73.3	52.1	40.7	40.7	40.7
152.5°	91.2	86.3	83.1	83.1	78.2	66.8	55.4	39.1	31.0	31.0	31.0
155°	71.7	66.8	63.5	61.9	58.6	50.5	40.7	29.3	22.8	22.8	22.8
157.5°	53.8	50.5	47.2	45.6	42.4	37.5	29.3	21.2	14.7	16.3	16.3
160°	37.5	34.2	32.6	31.0	29.3	24.4	19.5	13.0	8.1	8.1	8.1
162.5°	22.8	21.2	21.2	19.5	17.9	16.3	11.4	6.5	3.3	3.3	3.3
165°	11.4	11.4	9.8	9.8	8.1	6.5	4.9	1.6	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0
170°	1.6	1.6	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)