

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: P691445

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691445
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-C016-5TLD-U-T5R-7030-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5310 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

Input Watts (W): 42.8
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



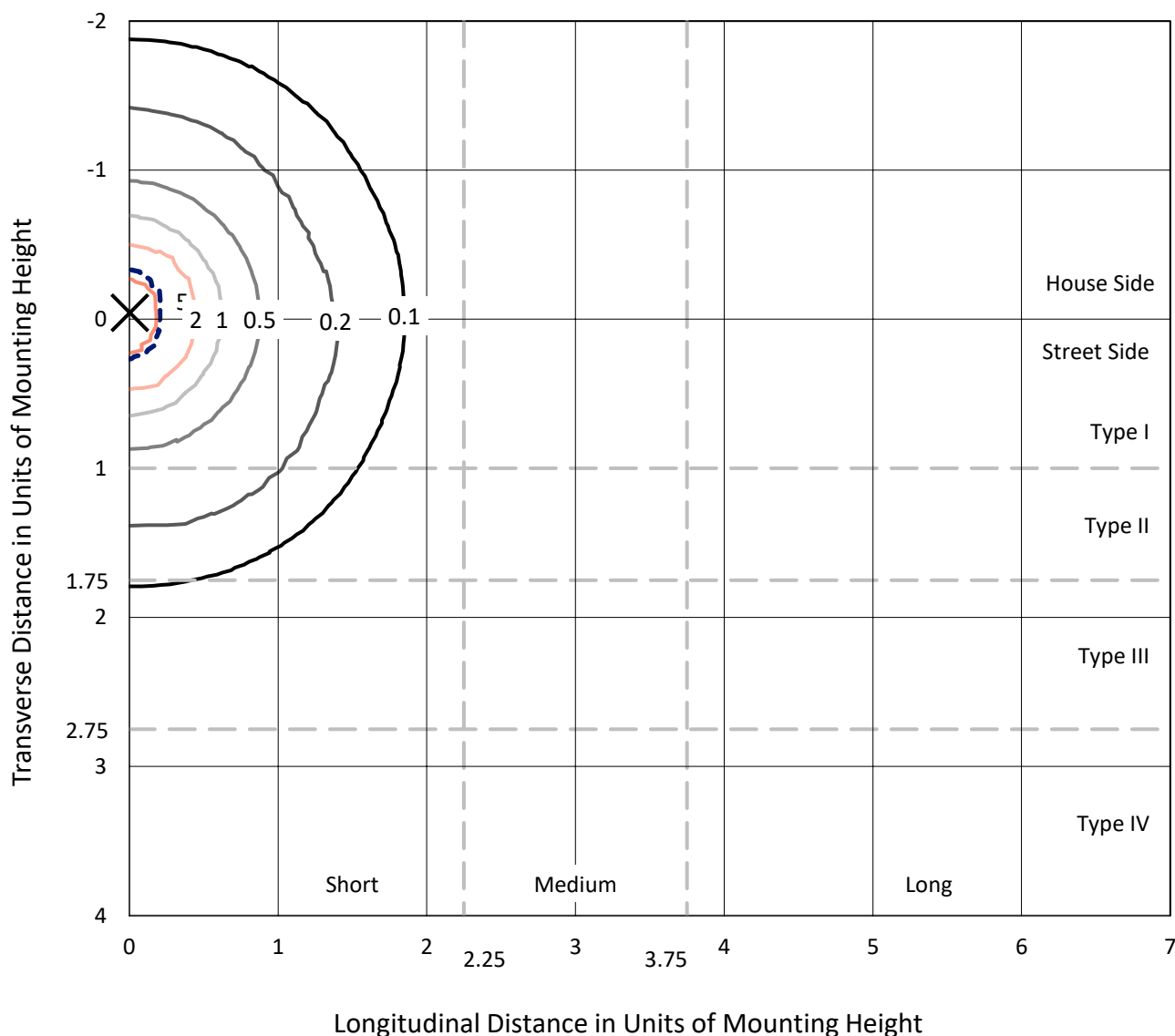
REPORT NUMBER: P691445

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-RMARROA5

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

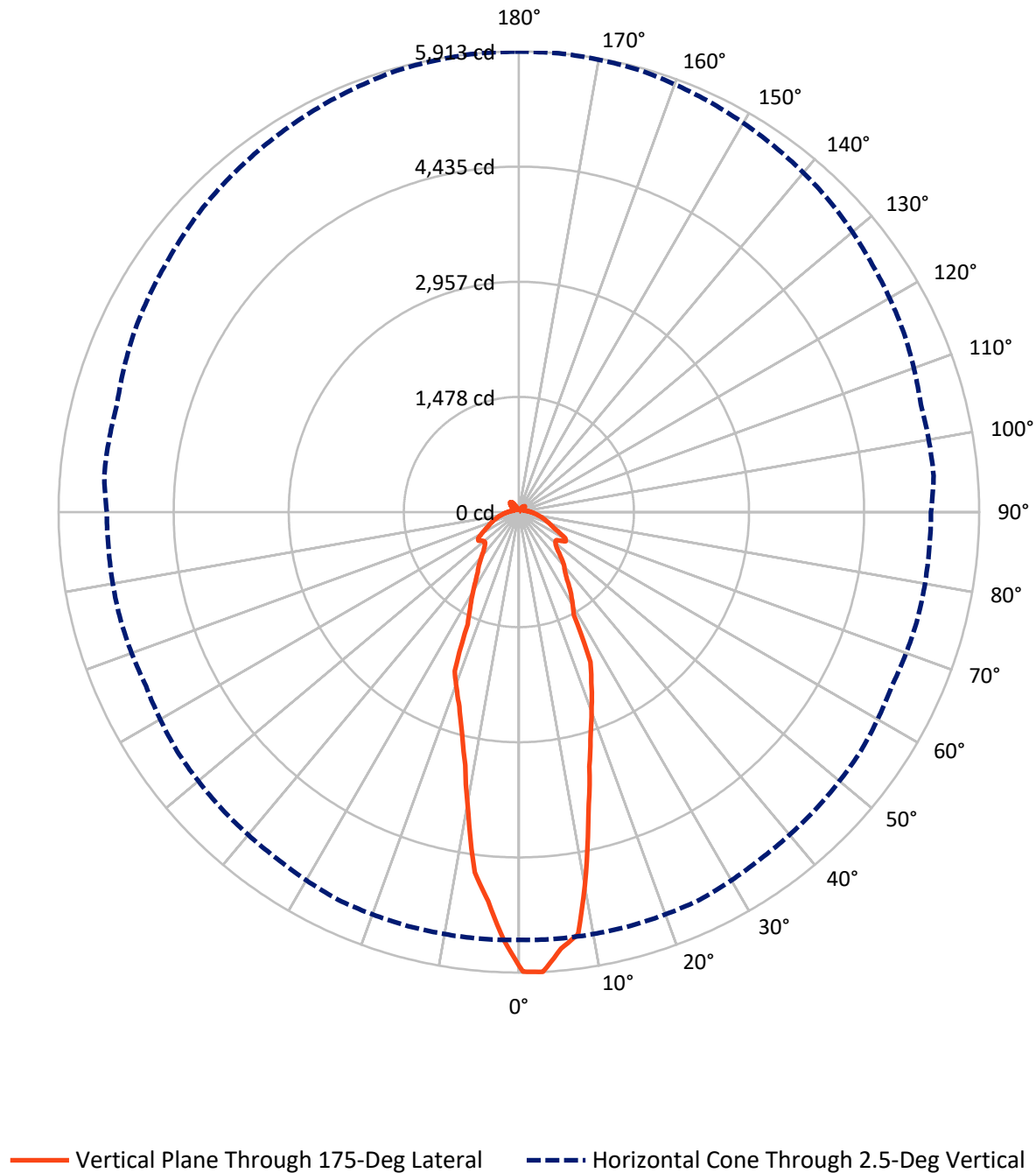


Based on 25 foot mounting height. Maximum calculated value = 9.4 fc

Type V - Short - N/A

REPORT NUMBER: P691445
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-RMARROA5

Luminous Intensity Polar Plot



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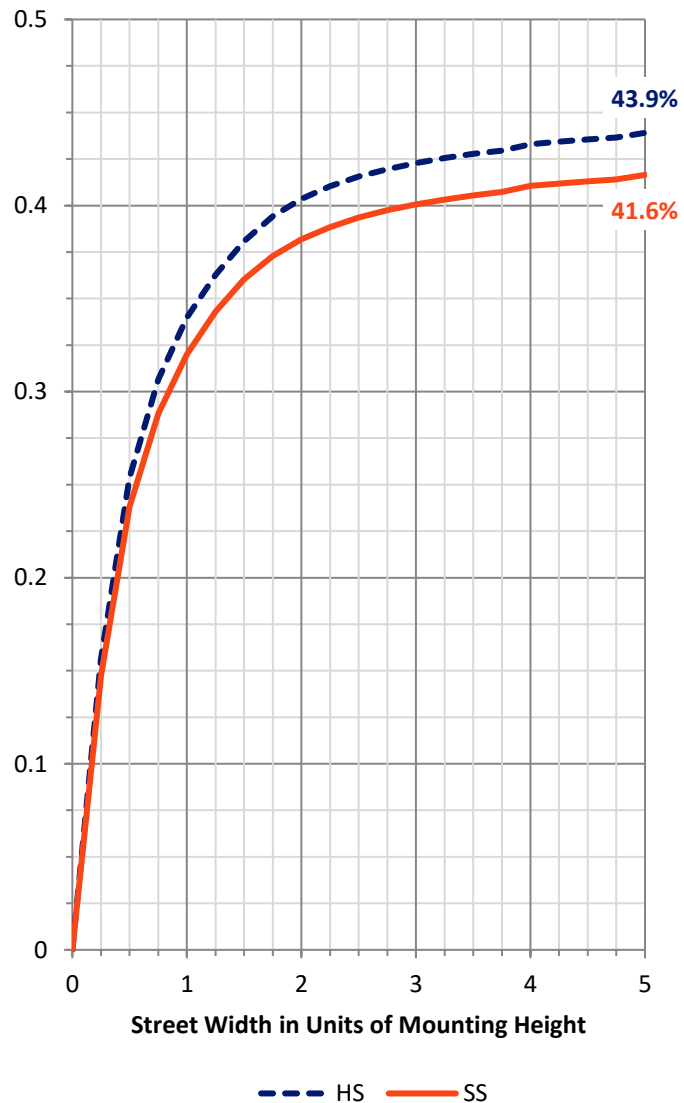
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2403.2	317.5	2720.7
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2263.5	325.8	2589.3
	% Fixture	42.6	6.1	48.8
Total	Lumens	4666.7	643.3	5310.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	439.3	8.3
10°-20°	771.1	14.5
20°-30°	764.6	14.4
30°-40°	589.4	11.1
40°-50°	505.3	9.5
50°-60°	565.1	10.6
60°-70°	484.2	9.1
70°-80°	333.2	6.3
80°-90°	214.5	4.0
90°-100°	128.5	2.4
100°-110°	76.4	1.4
110°-120°	70.7	1.3
120°-130°	101.0	1.9
130°-140°	130.5	2.5
140°-150°	96.6	1.8
150°-160°	35.3	0.7
160°-170°	4.1	0.1
170°-180°	0.0	0.0
0°-90°	4666.7	87.9
0°-180°	5310.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691445

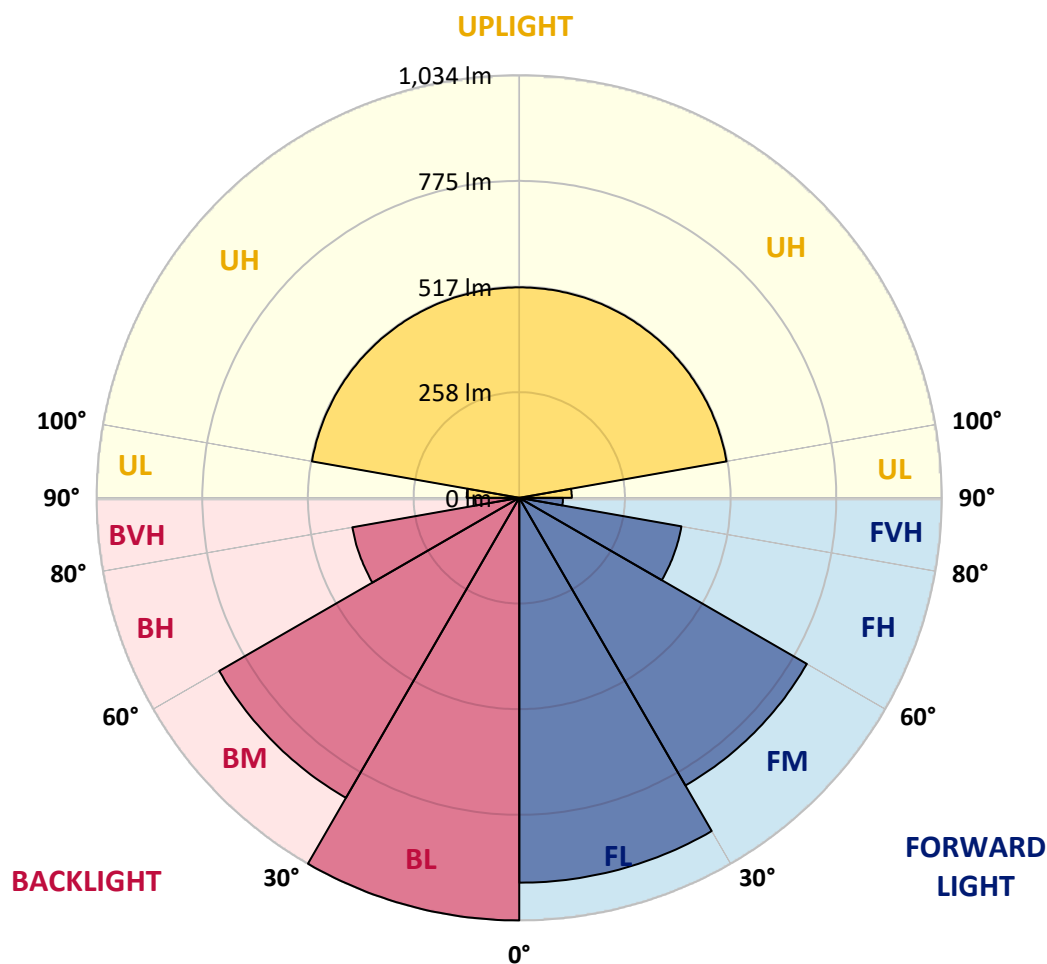
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.4	17.7			
FM	(30°-60°)	812.4	15.3			
FH	(60°-80°)	402.8	7.6			G0/660
FVH	(80°-90°)	106.9	2.0			G2/225
BL	(0°-30°)	1033.6	19.5	B3/2500		
BM	(30°-60°)	847.4	16.0	B1/1000		
BH	(60°-80°)	414.6	7.8	B1/500		G0/660
BVH	(80°-90°)	107.6	2.0			G2/225
UL	(90°-100°)	128.5	2.4		U3/500	
UH	(100°-180°)	514.8	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





REPORT NUMBER: P691445

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.9	67.9	67.9	65.9	65.9	63.9	63.9	63.9	63.9	63.9	65.9
115°	71.9	69.9	69.9	69.9	69.9	67.9	65.9	65.9	67.9	67.9	67.9
117.5°	77.9	75.9	75.9	77.9	75.9	73.9	71.9	71.9	73.9	73.9	75.9
120°	85.9	83.9	85.9	85.9	85.9	83.9	81.9	79.9	81.9	83.9	83.9
122.5°	95.9	93.9	95.9	97.9	97.9	95.9	91.9	91.9	93.9	95.9	97.9
125°	107.9	107.9	109.9	111.9	113.9	109.9	107.9	105.9	109.9	111.9	111.9
127.5°	121.9	119.9	123.9	129.8	131.8	127.8	123.9	121.9	125.9	129.8	129.8
130°	135.8	133.8	139.8	145.8	149.8	145.8	141.8	139.8	143.8	147.8	147.8
132.5°	147.8	145.8	153.8	161.8	165.8	163.8	159.8	155.8	161.8	165.8	163.8
135°	157.8	157.8	167.8	175.8	179.8	177.8	173.8	169.8	177.8	181.8	177.8
137.5°	163.8	163.8	175.8	183.8	187.8	187.8	185.8	181.8	189.8	191.8	185.8
140°	163.8	165.8	175.8	183.8	185.8	187.8	187.8	185.8	193.8	193.8	187.8
142.5°	157.8	159.8	169.8	177.8	179.8	181.8	183.8	181.8	187.8	187.8	183.8
145°	147.8	149.8	159.8	167.8	167.8	169.8	173.8	171.8	175.8	177.8	173.8
147.5°	133.8	135.8	143.8	147.8	149.8	153.8	157.8	157.8	159.8	161.8	159.8
150°	115.9	115.9	121.9	125.9	127.8	131.8	135.8	137.8	137.8	139.8	137.8
152.5°	91.9	91.9	95.9	99.9	101.9	107.9	109.9	111.9	113.9	115.9	113.9
155°	69.9	69.9	71.9	73.9	75.9	81.9	83.9	85.9	87.9	89.9	87.9
157.5°	49.9	49.9	51.9	53.9	55.9	59.9	61.9	63.9	63.9	65.9	65.9
160°	32.0	34.0	34.0	36.0	36.0	40.0	42.0	42.0	43.9	45.9	45.9
162.5°	16.0	18.0	18.0	20.0	22.0	24.0	26.0	26.0	28.0	28.0	28.0
165°	4.0	6.0	6.0	8.0	8.0	10.0	12.0	12.0	14.0	14.0	14.0
167.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
170°	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
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



REPORT NUMBER: P691445

CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7030-RMARROA5

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
0°	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0	5901.0
2.5°	5347.7	5343.7	5453.5	5541.4	5645.3	5727.2	5807.1	5883.0	5913.0	5911.0	5913.0
5°	4642.5	4712.4	4856.2	4998.1	5165.9	5323.7	5471.5	5569.4	5631.3	5631.3	5637.3
7.5°	3935.3	4047.2	4225.0	4450.7	4702.4	4908.2	5157.9	5333.7	5473.5	5469.5	5495.5
10°	3178.2	3266.1	3443.9	3685.6	3963.3	4201.0	4418.8	4582.6	4718.4	4710.4	4744.4
12.5°	2610.9	2672.8	2826.6	3046.4	3300.1	3529.8	3743.6	3871.4	3967.3	3965.3	3983.3
15°	2277.3	2341.2	2441.1	2592.9	2802.7	3006.4	3220.2	3336.0	3390.0	3384.0	3414.0
17.5°	2141.5	2167.4	2229.4	2331.2	2483.1	2648.9	2818.7	2918.5	2980.5	2972.5	2994.4
20°	1995.6	2019.6	2061.6	2137.5	2245.3	2371.2	2515.0	2624.9	2670.8	2668.8	2682.8
22.5°	1827.8	1839.8	1885.8	1945.7	2023.6	2125.5	2235.3	2335.2	2381.2	2379.2	2393.2
25°	1712.0	1731.9	1759.9	1795.9	1849.8	1929.7	2021.6	2091.5	2133.5	2129.5	2147.5
27.5°	1250.5	1270.5	1284.5	1306.5	1308.4	1374.4	1406.3	1464.3	1502.2	1500.2	1512.2
30°	1098.7	1102.7	1114.7	1144.6	1162.6	1214.6	1278.5	1322.4	1354.4	1366.4	1374.4
32.5°	1002.8	1014.8	1028.8	1042.8	1064.7	1096.7	1146.6	1186.6	1220.6	1226.5	1240.5
35°	892.9	900.9	910.9	924.9	938.9	964.9	1002.8	1034.8	1060.7	1070.7	1078.7
37.5°	815.0	817.0	827.0	843.0	855.0	877.0	910.9	934.9	960.9	962.9	970.8
40°	763.1	765.1	775.1	789.1	803.0	817.0	847.0	869.0	886.9	888.9	894.9
42.5°	703.2	709.2	713.2	719.1	729.1	741.1	767.1	779.1	791.1	793.1	801.1
45°	621.3	623.3	627.3	633.2	645.2	657.2	675.2	689.2	697.2	697.2	695.2
47.5°	575.3	577.3	577.3	585.3	595.3	607.3	623.3	635.2	639.2	639.2	639.2
50°	559.3	559.3	555.3	561.3	571.3	579.3	595.3	605.3	607.3	609.3	611.3
52.5°	571.3	567.3	555.3	561.3	571.3	579.3	595.3	599.3	599.3	603.3	605.3
55°	637.2	631.3	607.3	611.3	623.3	633.2	645.2	647.2	651.2	657.2	655.2
57.5°	679.2	683.2	655.2	661.2	683.2	691.2	705.2	703.2	711.2	719.1	721.1
60°	639.2	651.2	629.3	637.2	663.2	667.2	681.2	673.2	685.2	685.2	685.2
62.5°	543.4	547.4	535.4	547.4	571.3	571.3	581.3	575.3	579.3	575.3	577.3
65°	475.4	473.4	459.5	475.4	483.4	487.4	495.4	497.4	497.4	493.4	493.4
67.5°	433.5	429.5	417.5	421.5	429.5	431.5	443.5	445.5	443.5	443.5	445.5
70°	395.5	389.5	377.6	379.5	385.5	387.5	397.5	401.5	399.5	397.5	399.5
72.5°	357.6	351.6	339.6	339.6	345.6	349.6	357.6	361.6	357.6	357.6	359.6
75°	321.6	315.6	303.6	303.6	307.6	309.6	319.6	321.6	319.6	317.6	319.6
77.5°	289.7	285.7	273.7	273.7	275.7	277.7	283.7	285.7	283.7	281.7	283.7
80°	259.7	253.7	245.7	243.7	245.7	245.7	251.7	253.7	249.7	249.7	251.7
82.5°	231.7	225.7	217.7	217.7	215.7	217.7	221.7	223.7	221.7	219.7	221.7
85°	205.8	201.8	193.8	191.8	191.8	191.8	195.8	195.8	193.8	193.8	193.8
87.5°	181.8	177.8	169.8	169.8	167.8	169.8	171.8	171.8	169.8	169.8	169.8
90°	157.8	153.8	147.8	147.8	145.8	147.8	149.8	149.8	147.8	147.8	147.8
92.5°	139.8	137.8	131.8	131.8	129.8	131.8	131.8	131.8	129.8	129.8	129.8
95°	123.9	121.9	117.9	115.9	115.9	115.9	115.9	115.9	113.9	113.9	113.9
97.5°	107.9	105.9	101.9	101.9	99.9	101.9	101.9	101.9	99.9	99.9	99.9
100°	93.9	91.9	89.9	89.9	87.9	87.9	87.9	87.9	87.9	87.9	87.9
102.5°	77.9	77.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9	75.9
105°	69.9	69.9	69.9	69.9	71.9	71.9	71.9	69.9	69.9	69.9	69.9
107.5°	65.9	65.9	65.9	67.9	67.9	67.9	69.9	65.9	63.9	63.9	63.9
110°	63.9	63.9	65.9	65.9	67.9	67.9	69.9	61.9	59.9	59.9	59.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	65.9	65.9	65.9	67.9	69.9	69.9	71.9	61.9	59.9	59.9	59.9
115°	69.9	69.9	69.9	71.9	73.9	75.9	75.9	65.9	61.9	61.9	63.9
117.5°	75.9	75.9	75.9	77.9	81.9	81.9	81.9	69.9	67.9	67.9	67.9
120°	83.9	85.9	85.9	87.9	91.9	93.9	89.9	79.9	67.9	73.9	73.9
122.5°	95.9	97.9	99.9	101.9	107.9	107.9	101.9	91.9	73.9	81.9	83.9
125°	111.9	113.9	115.9	119.9	125.9	125.9	117.9	103.9	83.9	91.9	93.9
127.5°	127.8	131.8	133.8	139.8	147.8	147.8	137.8	119.9	93.9	99.9	101.9
130°	145.8	149.8	153.8	161.8	171.8	167.8	159.8	135.8	101.9	105.9	105.9
132.5°	161.8	167.8	169.8	181.8	191.8	187.8	177.8	145.8	105.9	105.9	103.9
135°	173.8	177.8	179.8	191.8	201.8	195.8	183.8	149.8	103.9	99.9	99.9
137.5°	181.8	185.8	187.8	195.8	203.8	193.8	177.8	141.8	99.9	97.9	95.9
140°	185.8	185.8	185.8	191.8	195.8	183.8	163.8	127.8	89.9	93.9	93.9
142.5°	181.8	179.8	177.8	181.8	183.8	169.8	151.8	113.9	81.9	85.9	85.9
145°	171.8	167.8	165.8	167.8	167.8	151.8	131.8	97.9	71.9	73.9	73.9
147.5°	157.8	151.8	147.8	147.8	145.8	129.8	111.9	81.9	61.9	59.9	59.9
150°	135.8	129.8	125.9	125.9	119.9	105.9	89.9	63.9	49.9	49.9	49.9
152.5°	111.9	105.9	101.9	101.9	95.9	81.9	67.9	47.9	38.0	38.0	38.0
155°	87.9	81.9	77.9	75.9	71.9	61.9	49.9	36.0	28.0	28.0	28.0
157.5°	65.9	61.9	57.9	55.9	51.9	45.9	36.0	26.0	18.0	20.0	20.0
160°	45.9	42.0	40.0	38.0	36.0	30.0	24.0	16.0	10.0	10.0	10.0
162.5°	28.0	26.0	26.0	24.0	22.0	20.0	14.0	8.0	4.0	4.0	4.0
165°	14.0	14.0	12.0	12.0	10.0	8.0	6.0	2.0	0.0	0.0	0.0
167.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	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

(END OF REPORT)