

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: P690985

Luminaire Tested: **CRTK2-C01-D-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690985
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-C01-D-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: 7442.9 lumens
Efficiency: N/A
Efficacy: 122.0 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): 61
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

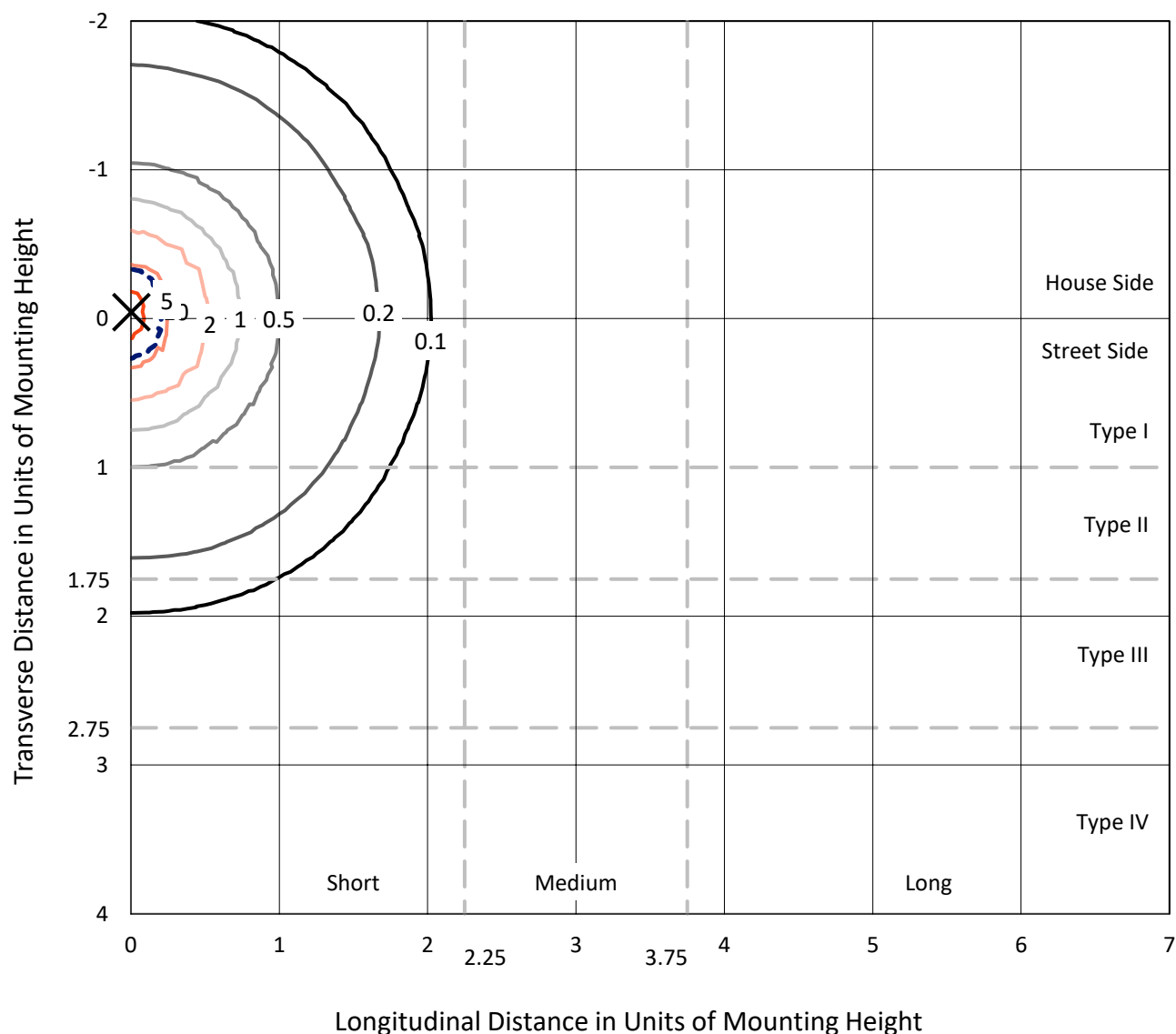


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

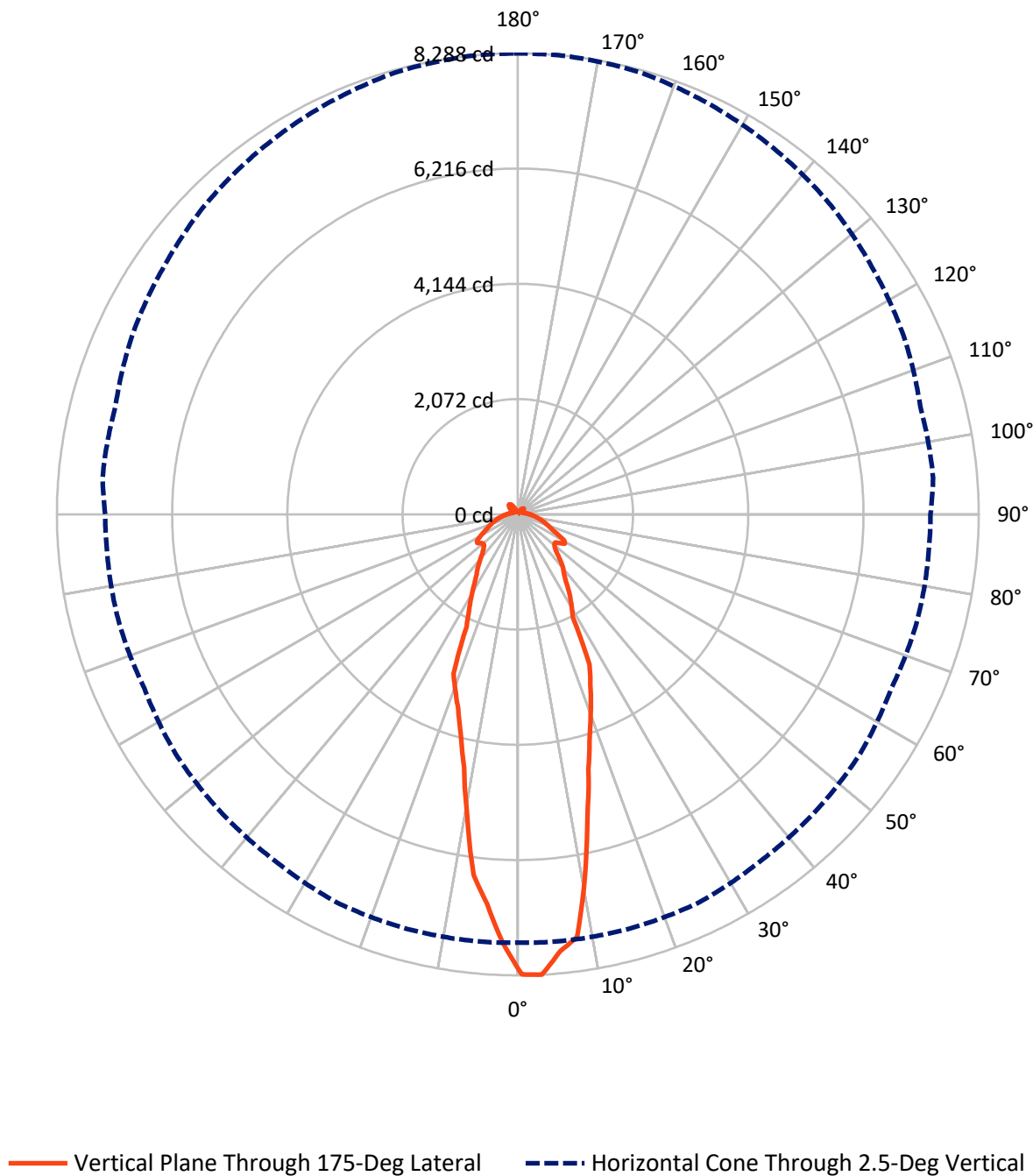
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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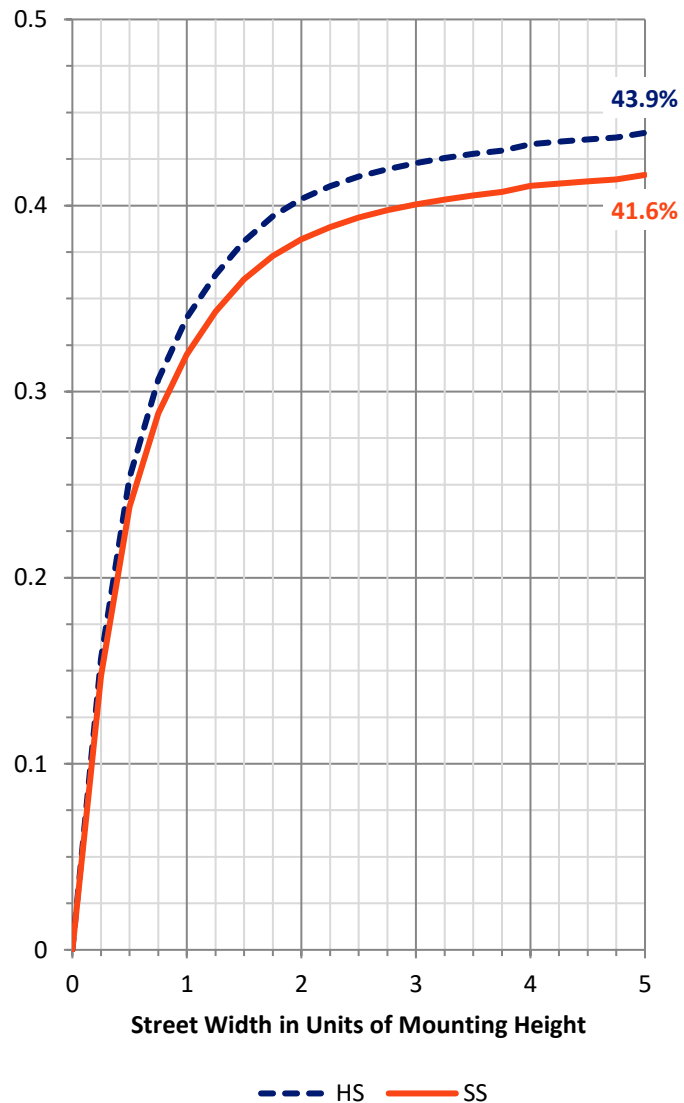
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3368.5	445.0	3813.5
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3172.6	456.7	3629.4
	% Fixture	42.6	6.1	48.8
Total	Lumens	6541.2	901.7	7442.9
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	615.8	8.3
10°-20°	1080.8	14.5
20°-30°	1071.7	14.4
30°-40°	826.1	11.1
40°-50°	708.3	9.5
50°-60°	792.1	10.6
60°-70°	678.7	9.1
70°-80°	467.0	6.3
80°-90°	300.6	4.0
90°-100°	180.1	2.4
100°-110°	107.2	1.4
110°-120°	99.2	1.3
120°-130°	141.6	1.9
130°-140°	182.9	2.5
140°-150°	135.4	1.8
150°-160°	49.5	0.7
160°-170°	5.8	0.1
170°-180°	0.0	0.0
0°-90°	6541.2	87.9
0°-180°	7442.9	100.0

Coefficient of Utilization



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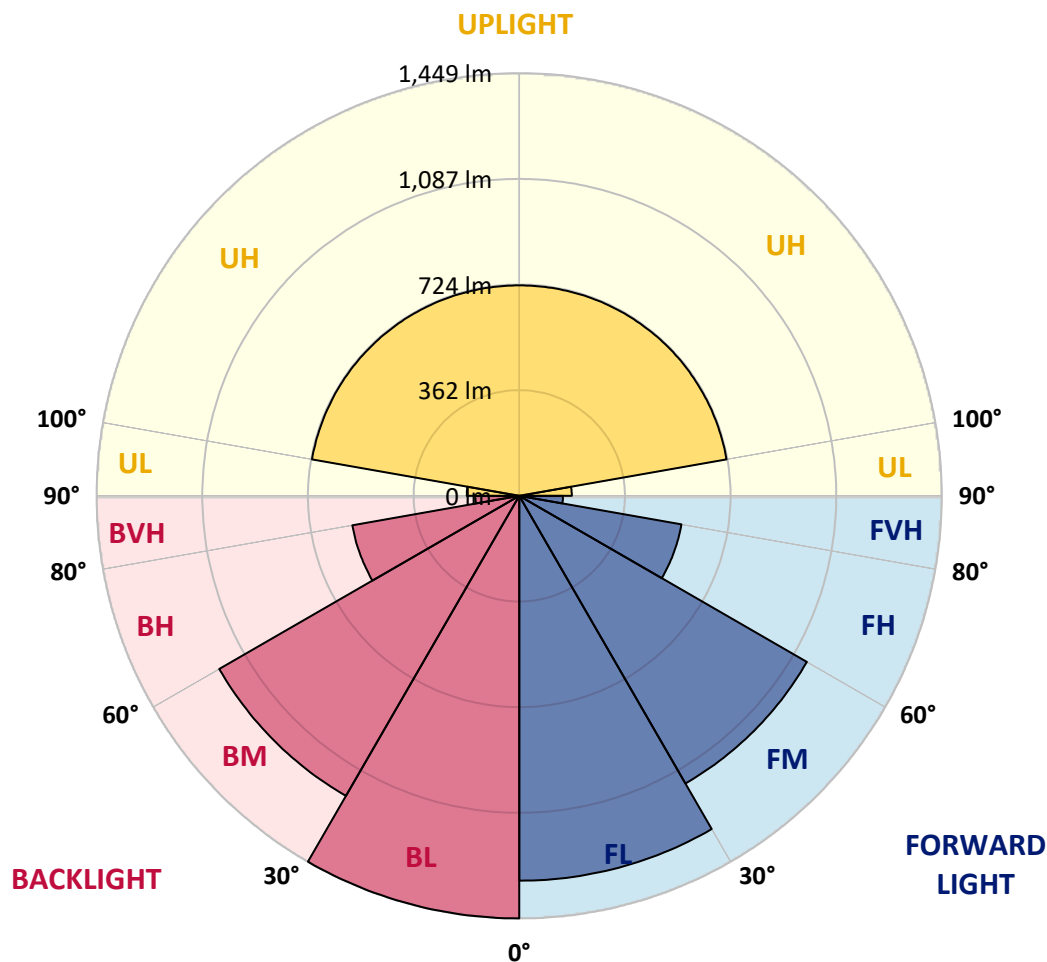
CATALOG NUMBER: CRTK2-C01-D-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1319.5	17.7			
FM	(30°-60°)	1138.7	15.3			
FH	(60°-80°)	564.6	7.6			G0/660
FVH	(80°-90°)	149.8	2.0			G2/225
BL	(0°-30°)	1448.8	19.5	B3/2500		
BM	(30°-60°)	1187.8	16.0	B2/2500		
BH	(60°-80°)	581.1	7.8	B2/1000		G0/660
BVH	(80°-90°)	150.8	2.0			G2/225
UL	(90°-100°)	180.1	2.4		U3/500	
UH	(100°-180°)	721.6	9.7		U4/1000	

BUG Rating: B3-U4-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4
2.5°	7700.2	7711.4	7714.2	7700.2	7607.8	7560.2	7509.8	7409.0	7431.4	7417.4	7420.2
5°	6983.4	7028.2	6958.2	6938.6	6798.6	6695.0	6594.2	6485.0	6459.8	6415.0	6431.8
7.5°	6507.4	6532.6	6417.8	6300.2	6076.2	5916.5	5748.5	5580.5	5454.5	5406.9	5426.5
10°	5418.1	5502.1	5387.3	5266.9	5054.1	4863.7	4687.3	4522.1	4407.3	4370.9	4376.5
12.5°	4606.1	4653.7	4555.7	4474.5	4236.5	4054.5	3892.1	3738.1	3645.7	3606.5	3606.5
15°	4068.5	4088.1	4012.5	3855.7	3676.5	3511.3	3374.1	3262.1	3186.5	3172.5	3178.1
17.5°	3662.5	3662.5	3586.9	3463.7	3326.5	3180.9	3085.7	3001.7	2968.1	2979.3	2982.1
20°	3357.3	3360.1	3292.9	3172.5	3054.9	2923.3	2844.9	2786.1	2766.5	2786.1	2788.9
22.5°	3068.9	3082.9	3010.1	2920.5	2791.7	2688.1	2623.7	2559.3	2548.1	2556.5	2556.5
25°	2220.5	2220.5	2195.3	2125.3	2153.3	2164.5	2240.1	2402.5	2368.9	2399.7	2396.9
27.5°	1915.2	1926.4	1876.0	1814.4	1750.0	1674.4	1660.4	1646.4	1632.4	1696.8	1719.2
30°	1691.2	1696.8	1654.8	1612.8	1559.6	1517.6	1506.4	1506.4	1492.4	1542.8	1540.0
32.5°	1478.4	1470.0	1458.8	1419.6	1386.0	1349.6	1358.0	1352.4	1352.4	1397.2	1400.0
35°	1310.4	1307.6	1299.2	1271.2	1237.6	1209.6	1218.0	1223.6	1220.8	1248.8	1248.8
37.5°	1187.2	1190.0	1184.4	1173.2	1139.6	1117.2	1122.8	1117.2	1125.6	1145.2	1145.2
40°	1066.8	1066.8	1069.6	1066.8	1044.4	1036.0	1052.8	1044.4	1064.0	1078.0	1072.4
42.5°	952.0	954.8	960.4	954.8	940.8	932.4	940.8	943.6	971.6	991.2	988.4
45°	879.2	879.2	882.0	879.2	868.0	859.6	859.6	851.2	870.8	882.0	879.2
47.5°	831.6	831.6	837.2	834.4	828.8	820.4	814.8	803.6	812.0	820.4	812.0
50°	814.8	814.8	826.0	826.0	823.2	814.8	806.4	792.4	795.2	800.8	789.6
52.5°	840.0	840.0	859.6	868.0	868.0	854.0	842.8	823.2	823.2	828.8	812.0
55°	893.2	893.2	924.0	940.8	943.6	943.6	929.6	910.0	912.8	924.0	907.2
57.5°	873.6	876.4	901.6	924.0	938.0	946.4	946.4	935.2	943.6	971.6	963.2
60°	781.2	786.8	803.6	823.2	848.4	856.8	856.8	854.0	868.0	901.6	901.6
62.5°	694.4	697.2	705.6	722.4	736.4	742.0	742.0	730.8	747.6	764.4	758.8
65°	627.2	624.4	641.2	655.2	663.6	672.0	663.6	652.4	660.8	672.0	669.2
67.5°	571.2	571.2	585.2	596.4	602.0	610.4	604.8	599.2	610.4	616.0	610.4
70°	518.0	520.8	532.0	540.4	546.0	554.4	546.0	543.2	554.4	560.0	557.2
72.5°	464.8	467.6	476.0	487.2	492.8	495.6	492.8	490.0	498.4	504.0	504.0
75°	417.2	420.0	425.6	436.8	436.8	442.4	439.6	436.8	445.2	450.8	450.8
77.5°	372.4	378.0	380.8	389.2	392.0	394.8	392.0	392.0	397.6	403.2	406.0
80°	333.2	336.0	338.8	347.2	347.2	350.0	347.2	347.2	352.8	361.2	361.2
82.5°	296.8	299.6	302.4	308.0	305.2	308.0	308.0	308.0	313.6	322.0	322.0
85°	260.4	266.0	266.0	271.6	271.6	271.6	271.6	274.4	277.2	285.6	285.6
87.5°	229.6	232.4	235.2	238.0	238.0	240.8	240.8	243.6	246.4	252.0	254.8
90°	198.8	201.6	204.4	204.4	204.4	207.2	207.2	210.0	212.8	218.4	221.2
92.5°	176.4	179.2	179.2	182.0	182.0	182.0	184.8	187.6	190.4	196.0	196.0
95°	156.8	159.6	159.6	159.6	159.6	162.4	162.4	165.2	168.0	173.6	173.6
97.5°	140.0	140.0	140.0	140.0	140.0	142.8	142.8	145.6	148.4	151.2	151.2
100°	123.2	123.2	123.2	123.2	123.2	123.2	123.2	126.0	126.0	131.6	131.6
102.5°	109.2	109.2	106.4	106.4	106.4	103.6	103.6	106.4	106.4	109.2	109.2
105°	98.0	98.0	98.0	98.0	95.2	95.2	95.2	95.2	95.2	98.0	98.0
107.5°	95.2	95.2	92.4	92.4	92.4	89.6	89.6	89.6	89.6	92.4	92.4
110°	92.4	92.4	92.4	92.4	89.6	89.6	86.8	86.8	86.8	89.6	89.6



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	95.2	95.2	95.2	92.4	92.4	89.6	89.6	89.6	89.6	89.6	92.4
115°	100.8	98.0	98.0	98.0	98.0	95.2	92.4	92.4	95.2	95.2	95.2
117.5°	109.2	106.4	106.4	109.2	106.4	103.6	100.8	100.8	103.6	103.6	106.4
120°	120.4	117.6	120.4	120.4	120.4	117.6	114.8	112.0	114.8	117.6	117.6
122.5°	134.4	131.6	134.4	137.2	137.2	134.4	128.8	128.8	131.6	134.4	137.2
125°	151.2	151.2	154.0	156.8	159.6	154.0	151.2	148.4	154.0	156.8	156.8
127.5°	170.8	168.0	173.6	182.0	184.8	179.2	173.6	170.8	176.4	182.0	182.0
130°	190.4	187.6	196.0	204.4	210.0	204.4	198.8	196.0	201.6	207.2	207.2
132.5°	207.2	204.4	215.6	226.8	232.4	229.6	224.0	218.4	226.8	232.4	229.6
135°	221.2	221.2	235.2	246.4	252.0	249.2	243.6	238.0	249.2	254.8	249.2
137.5°	229.6	229.6	246.4	257.6	263.2	263.2	260.4	254.8	266.0	268.8	260.4
140°	229.6	232.4	246.4	257.6	260.4	263.2	263.2	260.4	271.6	271.6	263.2
142.5°	221.2	224.0	238.0	249.2	252.0	254.8	257.6	254.8	263.2	263.2	257.6
145°	207.2	210.0	224.0	235.2	235.2	238.0	243.6	240.8	246.4	249.2	243.6
147.5°	187.6	190.4	201.6	207.2	210.0	215.6	221.2	221.2	224.0	226.8	224.0
150°	162.4	162.4	170.8	176.4	179.2	184.8	190.4	193.2	193.2	196.0	193.2
152.5°	128.8	128.8	134.4	140.0	142.8	151.2	154.0	156.8	159.6	162.4	159.6
155°	98.0	98.0	100.8	103.6	106.4	114.8	117.6	120.4	123.2	126.0	123.2
157.5°	70.0	70.0	72.8	75.6	78.4	84.0	86.8	89.6	89.6	92.4	92.4
160°	44.8	47.6	47.6	50.4	50.4	56.0	58.8	58.8	61.6	64.4	64.4
162.5°	22.4	25.2	25.2	28.0	30.8	33.6	36.4	36.4	39.2	39.2	39.2
165°	5.6	8.4	8.4	11.2	11.2	14.0	16.8	16.8	19.6	19.6	19.6
167.5°	0.0	2.8	2.8	2.8	2.8	2.8	2.8	5.6	5.6	5.6	5.6
170°	0.0	0.0	0.0	0.0	2.8	0.0	0.0	2.8	2.8	2.8	2.8
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°	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4	8271.4
2.5°	7495.8	7490.2	7644.2	7767.4	7913.0	8027.8	8139.8	8246.2	8288.2	8285.4	8288.2
5°	6507.4	6605.4	6807.0	7005.8	7241.0	7462.2	7669.4	7806.6	7893.4	7893.4	7901.8
7.5°	5516.1	5672.9	5922.1	6238.6	6591.4	6879.8	7229.8	7476.2	7672.2	7666.6	7703.0
10°	4454.9	4578.1	4827.3	5166.1	5555.3	5888.5	6193.8	6423.4	6613.8	6602.6	6650.2
12.5°	3659.7	3746.5	3962.1	4270.1	4625.7	4947.7	5247.3	5426.5	5560.9	5558.1	5583.3
15°	3192.1	3281.7	3421.7	3634.5	3928.5	4214.1	4513.7	4676.1	4751.7	4743.3	4785.3
17.5°	3001.7	3038.1	3124.9	3267.7	3480.5	3712.9	3950.9	4090.9	4177.7	4166.5	4197.3
20°	2797.3	2830.9	2889.7	2996.1	3147.3	3323.7	3525.3	3679.3	3743.7	3740.9	3760.5
22.5°	2562.1	2578.9	2643.3	2727.3	2836.5	2979.3	3133.3	3273.3	3337.7	3334.9	3354.5
25°	2399.7	2427.7	2466.9	2517.3	2592.9	2704.9	2833.7	2931.7	2990.5	2984.9	3010.1
27.5°	1752.8	1780.8	1800.4	1831.2	1834.0	1926.4	1971.2	2052.5	2105.7	2102.9	2119.7
30°	1540.0	1545.6	1562.4	1604.4	1629.6	1702.4	1792.0	1853.6	1898.4	1915.2	1926.4
32.5°	1405.6	1422.4	1442.0	1461.6	1492.4	1537.2	1607.2	1663.2	1710.8	1719.2	1738.8
35°	1251.6	1262.8	1276.8	1296.4	1316.0	1352.4	1405.6	1450.4	1486.8	1500.8	1512.0
37.5°	1142.4	1145.2	1159.2	1181.6	1198.4	1229.2	1276.8	1310.4	1346.8	1349.6	1360.8
40°	1069.6	1072.4	1086.4	1106.0	1125.6	1145.2	1187.2	1218.0	1243.2	1246.0	1254.4
42.5°	985.6	994.0	999.6	1008.0	1022.0	1038.8	1075.2	1092.0	1108.8	1111.6	1122.8
45°	870.8	873.6	879.2	887.6	904.4	921.2	946.4	966.0	977.2	977.2	974.4
47.5°	806.4	809.2	809.2	820.4	834.4	851.2	873.6	890.4	896.0	896.0	896.0
50°	784.0	784.0	778.4	786.8	800.8	812.0	834.4	848.4	851.2	854.0	856.8
52.5°	800.8	795.2	778.4	786.8	800.8	812.0	834.4	840.0	840.0	845.6	848.4
55°	893.2	884.8	851.2	856.8	873.6	887.6	904.4	907.2	912.8	921.2	918.4
57.5°	952.0	957.6	918.4	926.8	957.6	968.8	988.4	985.6	996.8	1008.0	1010.8
60°	896.0	912.8	882.0	893.2	929.6	935.2	954.8	943.6	960.4	960.4	960.4
62.5°	761.6	767.2	750.4	767.2	800.8	800.8	814.8	806.4	812.0	806.4	809.2
65°	666.4	663.6	644.0	666.4	677.6	683.2	694.4	697.2	697.2	691.6	691.6
67.5°	607.6	602.0	585.2	590.8	602.0	604.8	621.6	624.4	621.6	621.6	624.4
70°	554.4	546.0	529.2	532.0	540.4	543.2	557.2	562.8	560.0	557.2	560.0
72.5°	501.2	492.8	476.0	476.0	484.4	490.0	501.2	506.8	501.2	501.2	504.0
75°	450.8	442.4	425.6	425.6	431.2	434.0	448.0	450.8	448.0	445.2	448.0
77.5°	406.0	400.4	383.6	383.6	386.4	389.2	397.6	400.4	397.6	394.8	397.6
80°	364.0	355.6	344.4	341.6	344.4	344.4	352.8	355.6	350.0	350.0	352.8
82.5°	324.8	316.4	305.2	305.2	302.4	305.2	310.8	313.6	310.8	308.0	310.8
85°	288.4	282.8	271.6	268.8	268.8	268.8	274.4	274.4	271.6	271.6	271.6
87.5°	254.8	249.2	238.0	238.0	235.2	238.0	240.8	240.8	238.0	238.0	238.0
90°	221.2	215.6	207.2	207.2	204.4	207.2	210.0	210.0	207.2	207.2	207.2
92.5°	196.0	193.2	184.8	184.8	182.0	184.8	184.8	184.8	182.0	182.0	182.0
95°	173.6	170.8	165.2	162.4	162.4	162.4	162.4	162.4	159.6	159.6	159.6
97.5°	151.2	148.4	142.8	142.8	140.0	142.8	142.8	142.8	140.0	140.0	140.0
100°	131.6	128.8	126.0	126.0	123.2	123.2	123.2	123.2	123.2	123.2	123.2
102.5°	109.2	109.2	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4	106.4
105°	98.0	98.0	98.0	98.0	100.8	100.8	100.8	98.0	98.0	98.0	98.0
107.5°	92.4	92.4	92.4	95.2	95.2	95.2	98.0	92.4	89.6	89.6	89.6
110°	89.6	89.6	92.4	92.4	95.2	95.2	98.0	86.8	84.0	84.0	84.0



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	92.4	92.4	92.4	95.2	98.0	98.0	100.8	86.8	84.0	84.0	84.0
115°	98.0	98.0	98.0	100.8	103.6	106.4	106.4	92.4	86.8	86.8	89.6
117.5°	106.4	106.4	106.4	109.2	114.8	114.8	114.8	98.0	95.2	95.2	95.2
120°	117.6	120.4	120.4	123.2	128.8	131.6	126.0	112.0	95.2	103.6	103.6
122.5°	134.4	137.2	140.0	142.8	151.2	151.2	142.8	128.8	103.6	114.8	117.6
125°	156.8	159.6	162.4	168.0	176.4	176.4	165.2	145.6	117.6	128.8	131.6
127.5°	179.2	184.8	187.6	196.0	207.2	207.2	193.2	168.0	131.6	140.0	142.8
130°	204.4	210.0	215.6	226.8	240.8	235.2	224.0	190.4	142.8	148.4	148.4
132.5°	226.8	235.2	238.0	254.8	268.8	263.2	249.2	204.4	148.4	148.4	145.6
135°	243.6	249.2	252.0	268.8	282.8	274.4	257.6	210.0	145.6	140.0	140.0
137.5°	254.8	260.4	263.2	274.4	285.6	271.6	249.2	198.8	140.0	137.2	134.4
140°	260.4	260.4	260.4	268.8	274.4	257.6	229.6	179.2	126.0	131.6	131.6
142.5°	254.8	252.0	249.2	254.8	257.6	238.0	212.8	159.6	114.8	120.4	120.4
145°	240.8	235.2	232.4	235.2	235.2	212.8	184.8	137.2	100.8	103.6	103.6
147.5°	221.2	212.8	207.2	207.2	204.4	182.0	156.8	114.8	86.8	84.0	84.0
150°	190.4	182.0	176.4	176.4	168.0	148.4	126.0	89.6	70.0	70.0	70.0
152.5°	156.8	148.4	142.8	142.8	134.4	114.8	95.2	67.2	53.2	53.2	53.2
155°	123.2	114.8	109.2	106.4	100.8	86.8	70.0	50.4	39.2	39.2	39.2
157.5°	92.4	86.8	81.2	78.4	72.8	64.4	50.4	36.4	25.2	28.0	28.0
160°	64.4	58.8	56.0	53.2	50.4	42.0	33.6	22.4	14.0	14.0	14.0
162.5°	39.2	36.4	36.4	33.6	30.8	28.0	19.6	11.2	5.6	5.6	5.6
165°	19.6	19.6	16.8	16.8	14.0	11.2	8.4	2.8	0.0	0.0	0.0
167.5°	5.6	5.6	5.6	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0
170°	2.8	2.8	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)