

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: P690946

Luminaire Tested: **CRTK2-C01-D-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690946
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-7)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-D-U-T2-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6314 lumens
Efficiency: N/A
Efficacy: 103.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - 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



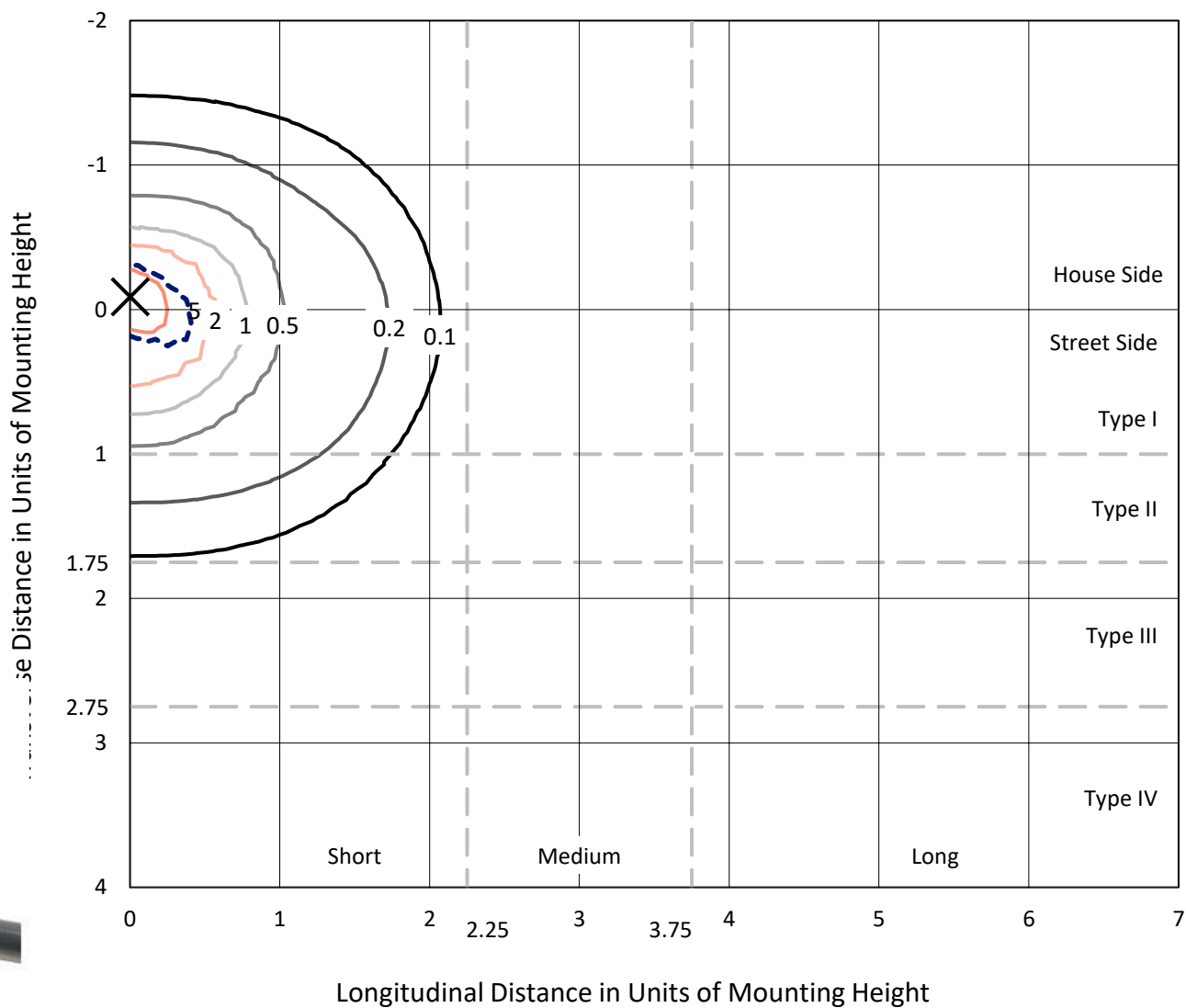
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



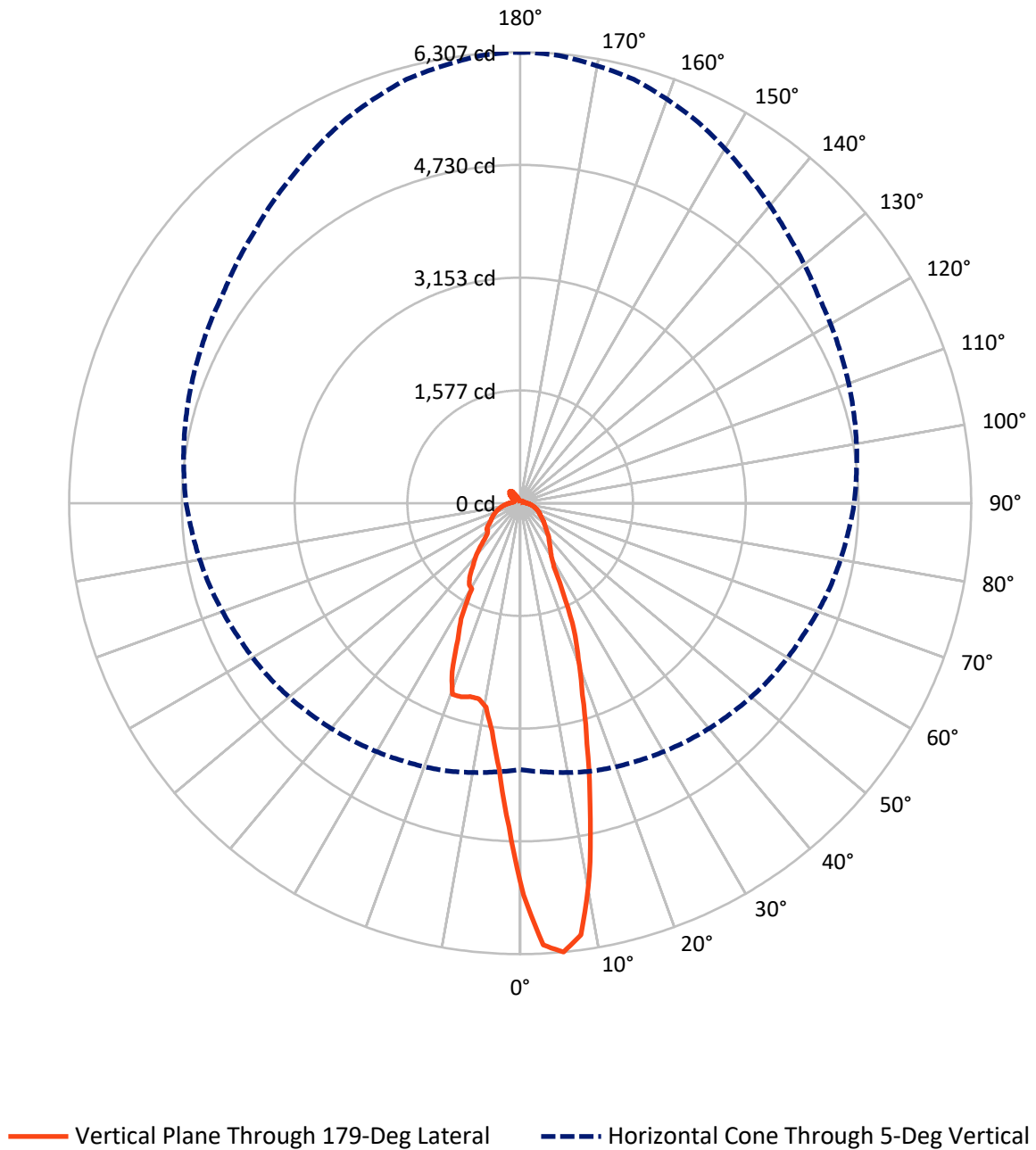
Based on 25 foot mounting height. Maximum calculated value = 9.6 fc

Type I - Short - N/A

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Luminous Intensity Polar Plot



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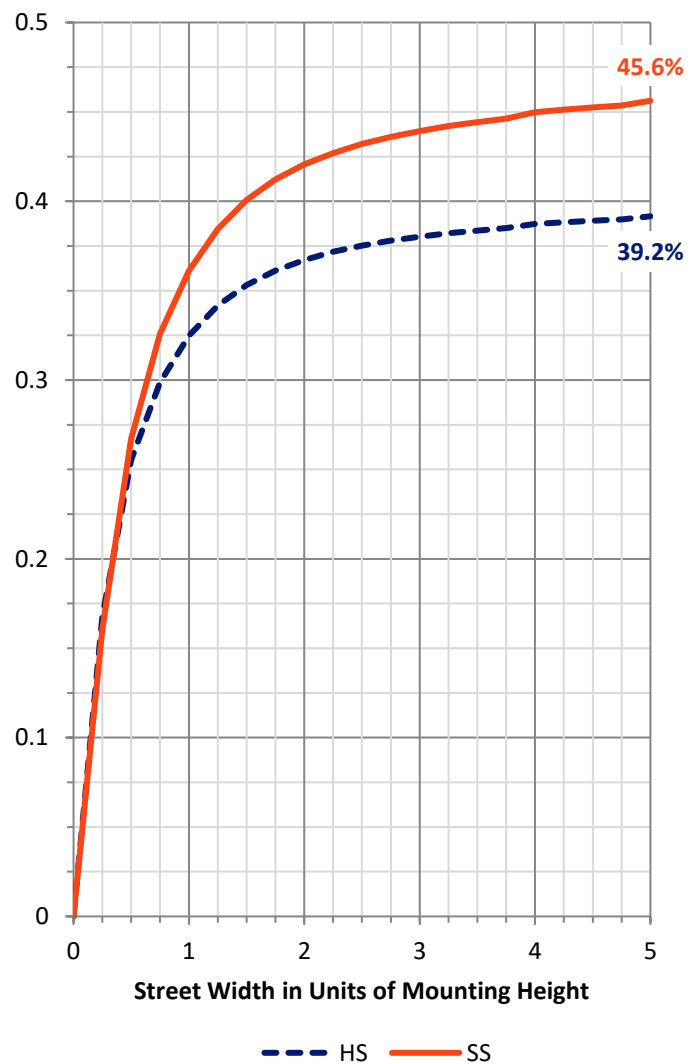
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2540.8	308.9	2849.8
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	2949.1	515.1	3464.2
	% Fixture	46.7	8.2	54.9
Total	Lumens	5489.9	824.1	6314.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	428.4	6.8
10°-20°	913.9	14.5
20°-30°	992.8	15.7
30°-40°	734.8	11.6
40°-50°	615.4	9.7
50°-60°	618.7	9.8
60°-70°	526.8	8.3
70°-80°	393.5	6.2
80°-90°	265.6	4.2
90°-100°	158.8	2.5
100°-110°	91.7	1.5
110°-120°	84.4	1.3
120°-130°	122.1	1.9
130°-140°	167.1	2.6
140°-150°	137.7	2.2
150°-160°	55.5	0.9
160°-170°	6.8	0.1
170°-180°	0.0	0.0
0°-90°	5489.9	86.9
0°-180°	6314.0	100.0

Coefficient of Utilization



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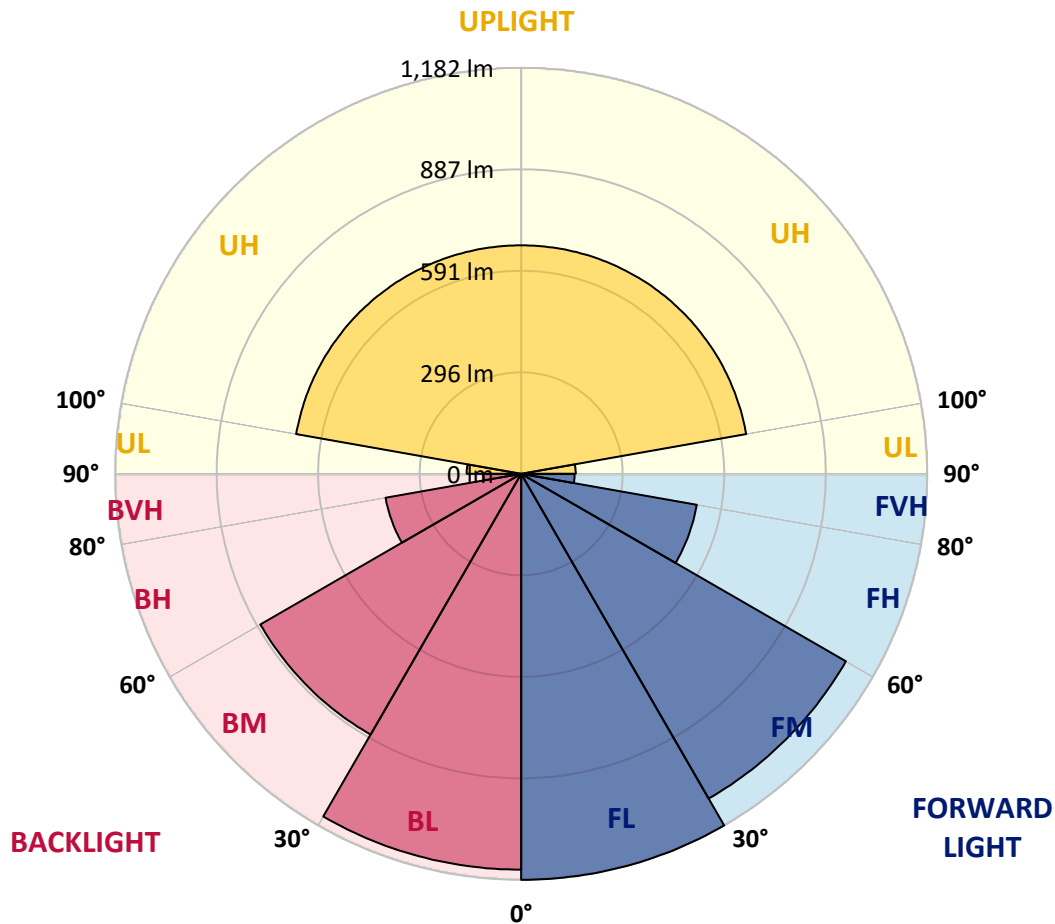
CATALOG NUMBER: CRTK2-C01-D-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1182.3	18.7			
FM	(30°-60°)	1091.9	17.3			
FH	(60°-80°)	519.3	8.2			G0/660
FVH	(80°-90°)	155.5	2.5			G2/225
BL	(0°-30°)	1152.7	18.3	B3/2500		
BM	(30°-60°)	877.1	13.9	B1/1000		
BH	(60°-80°)	400.9	6.3	B1/500		G1/500
BVH	(80°-90°)	110.1	1.7			G2/225
UL	(90°-100°)	158.8	2.5		U3/500	
UH	(100°-180°)	665.3	10.5		U4/1000	

BUG Rating: B3-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0
2.5°	4516.9	4542.2	4597.9	4625.7	4653.6	4689.0	4742.2	4782.7	4876.4	4962.5	4997.9
5°	3726.9	3772.5	3878.8	3964.9	4061.1	4162.4	4271.3	4367.5	4491.6	4605.5	4671.3
7.5°	3202.8	3240.8	3367.4	3534.5	3704.1	3845.9	3957.3	4030.8	4086.5	4132.0	4180.1
10°	2883.8	2916.7	3043.3	3192.7	3337.0	3468.7	3562.4	3633.3	3653.5	3699.1	3721.9
12.5°	2792.7	2807.9	2896.5	3000.3	3088.9	3218.0	3329.4	3405.4	3438.3	3478.8	3491.5
15°	2795.2	2795.2	2845.8	2911.7	2992.7	3091.4	3215.5	3306.6	3354.7	3377.5	3375.0
17.5°	2833.2	2830.6	2853.4	2906.6	2975.0	3073.7	3200.3	3294.0	3349.7	3357.3	3349.7
20°	2833.2	2835.7	2843.3	2904.1	2969.9	3058.5	3187.6	3266.1	3309.2	3286.4	3261.1
22.5°	2544.5	2542.0	2607.8	2737.0	2914.2	3099.0	3215.5	3311.7	3321.8	3238.3	3169.9
25°	2101.5	2083.7	2121.7	2180.0	2298.9	2514.2	2757.2	3121.8	3339.6	3291.4	3187.6
27.5°	1823.0	1800.2	1833.1	1807.8	1795.1	1779.9	1764.7	1721.7	1749.5	1774.8	1886.3
30°	1374.8	1379.9	1387.5	1402.7	1433.0	1493.8	1557.1	1595.1	1628.0	1693.8	1686.2
32.5°	1344.4	1341.9	1344.4	1359.6	1374.8	1412.8	1450.8	1471.0	1496.3	1559.6	1544.4
35°	1243.2	1238.1	1255.8	1263.4	1260.9	1271.0	1309.0	1331.8	1354.6	1395.1	1379.9
37.5°	1093.8	1098.8	1136.8	1157.1	1164.7	1187.5	1217.8	1238.1	1265.9	1296.3	1288.7
40°	982.4	979.8	1020.3	1048.2	1065.9	1101.4	1146.9	1177.3	1222.9	1248.2	1230.5
42.5°	845.6	855.8	886.2	914.0	919.1	936.8	977.3	1012.8	1068.5	1106.4	1096.3
45°	711.5	719.1	744.4	767.2	784.9	807.7	838.1	868.4	914.0	944.4	941.9
47.5°	627.9	635.5	655.8	683.6	708.9	741.8	772.2	802.6	845.6	868.4	860.8
50°	595.0	600.1	622.8	653.2	691.2	731.7	772.2	805.1	845.6	860.8	848.2
52.5°	592.5	592.5	620.3	665.9	719.1	774.8	827.9	873.5	911.5	911.5	886.2
55°	557.0	562.1	597.5	658.3	739.3	830.5	924.1	1010.2	1060.9	1050.7	1002.6
57.5°	506.4	508.9	546.9	605.1	691.2	802.6	929.2	1038.1	1098.8	1111.5	1060.9
60°	476.0	478.5	503.8	559.5	633.0	721.6	838.1	924.1	984.9	1022.9	982.4
62.5°	450.7	450.7	476.0	514.0	574.7	640.6	706.4	764.6	812.7	840.6	817.8
65°	422.8	422.8	440.5	476.0	524.1	587.4	638.0	681.1	724.1	744.4	724.1
67.5°	395.0	395.0	412.7	445.6	488.7	541.8	592.5	633.0	676.0	691.2	676.0
70°	367.1	367.1	384.8	412.7	453.2	503.8	541.8	584.9	625.4	635.5	622.8
72.5°	339.3	339.3	357.0	382.3	417.8	465.9	501.3	534.2	572.2	579.8	567.1
75°	314.0	314.0	326.6	351.9	384.8	427.9	463.3	493.7	524.1	524.1	514.0
77.5°	286.1	288.6	298.8	321.5	351.9	392.4	425.4	453.2	478.5	478.5	465.9
80°	258.3	260.8	270.9	291.2	319.0	357.0	387.4	412.7	435.5	435.5	422.8
82.5°	230.4	232.9	243.1	260.8	286.1	321.5	351.9	377.3	397.5	395.0	382.3
85°	205.1	207.6	215.2	230.4	253.2	288.6	316.5	339.3	357.0	354.5	344.3
87.5°	179.8	182.3	189.9	202.6	222.8	255.7	283.6	303.8	319.0	316.5	306.4
90°	157.0	157.0	164.6	177.2	195.0	222.8	248.1	265.8	281.0	276.0	265.8
92.5°	136.7	139.3	144.3	154.4	169.6	195.0	217.7	232.9	248.1	245.6	235.5
95°	121.5	121.5	126.6	134.2	146.8	167.1	189.9	202.6	212.7	212.7	205.1
97.5°	106.3	108.9	111.4	116.5	126.6	141.8	159.5	172.2	179.8	179.8	174.7
100°	96.2	98.7	98.7	103.8	108.9	119.0	131.7	141.8	149.4	149.4	146.8
102.5°	91.1	91.1	91.1	93.7	96.2	101.3	108.9	113.9	119.0	121.5	119.0
105°	86.1	86.1	86.1	88.6	88.6	93.7	96.2	101.3	103.8	103.8	101.3
107.5°	83.6	83.6	86.1	86.1	86.1	88.6	93.7	93.7	96.2	93.7	93.7
110°	86.1	86.1	86.1	86.1	86.1	88.6	91.1	91.1	91.1	91.1	88.6

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	88.6	88.6	88.6	88.6	91.1	91.1	91.1	93.7	93.7	91.1	91.1
115°	96.2	96.2	96.2	96.2	96.2	98.7	98.7	98.7	98.7	96.2	93.7
117.5°	103.8	103.8	103.8	106.3	106.3	108.9	106.3	108.9	106.3	103.8	103.8
120°	116.5	116.5	119.0	121.5	124.1	124.1	121.5	124.1	124.1	119.0	116.5
122.5°	131.7	131.7	134.2	141.8	144.3	146.8	144.3	144.3	144.3	139.3	136.7
125°	146.8	149.4	154.4	164.6	172.2	177.2	172.2	174.7	174.7	167.1	164.6
127.5°	164.6	167.1	177.2	192.4	205.1	210.1	207.6	210.1	212.7	200.0	195.0
130°	182.3	182.3	197.5	220.3	238.0	245.6	248.1	250.7	253.2	240.5	230.4
132.5°	197.5	197.5	217.7	245.6	268.4	281.0	286.1	291.2	296.2	278.5	265.8
135°	207.6	210.1	235.5	268.4	296.2	314.0	321.5	326.6	334.2	314.0	298.8
137.5°	215.2	220.3	245.6	281.0	311.4	336.7	351.9	359.5	364.6	344.3	324.1
140°	217.7	220.3	248.1	283.6	314.0	341.8	364.6	377.3	379.8	359.5	339.3
142.5°	210.1	215.2	240.5	276.0	306.4	336.7	362.1	374.7	377.3	359.5	339.3
145°	200.0	202.6	225.3	258.3	288.6	321.5	349.4	362.1	362.1	346.9	326.6
147.5°	182.3	184.8	205.1	232.9	263.3	296.2	324.1	336.7	339.3	324.1	306.4
150°	157.0	159.5	174.7	197.5	227.9	260.8	286.1	301.3	301.3	286.1	273.4
152.5°	126.6	129.1	141.8	159.5	184.8	215.2	238.0	253.2	253.2	243.1	227.9
155°	98.7	98.7	108.9	124.1	141.8	164.6	182.3	195.0	197.5	187.4	177.2
157.5°	70.9	70.9	78.5	91.1	106.3	124.1	136.7	146.8	146.8	139.3	134.2
160°	48.1	48.1	53.2	60.8	70.9	83.6	93.7	103.8	103.8	98.7	93.7
162.5°	25.3	25.3	30.4	35.4	43.0	53.2	58.2	65.8	65.8	63.3	60.8
165°	7.6	7.6	10.1	12.7	17.7	22.8	25.3	30.4	32.9	30.4	27.9
167.5°	0.0	0.0	2.5	2.5	2.5	2.5	5.1	7.6	7.6	7.6	7.6
170°	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0	5479.0
2.5°	5035.9	5195.4	5339.7	5489.1	5673.9	5836.0	6010.7	6134.8	6187.9	6187.9	6208.2
5°	4719.4	4830.8	4947.3	5079.0	5299.2	5570.1	5881.6	6137.3	6284.1	6306.9	6304.4
7.5°	4195.3	4271.3	4390.3	4537.1	4739.7	4982.7	5382.8	5782.8	6048.7	6096.8	6079.0
10°	3734.5	3805.4	3876.3	3932.0	4076.3	4268.8	4562.5	4952.4	5258.7	5306.8	5268.8
12.5°	3499.1	3521.8	3519.3	3552.2	3610.5	3706.7	3856.1	4081.4	4291.5	4337.1	4304.2
15°	3375.0	3342.1	3291.4	3233.2	3228.1	3243.3	3281.3	3372.5	3461.1	3499.1	3473.7
17.5°	3324.4	3245.9	3142.1	3028.1	2952.2	2881.3	2833.2	2802.8	2815.5	2818.0	2797.7
20°	3205.4	3111.7	2944.6	2782.5	2661.0	2536.9	2430.6	2352.1	2339.5	2326.8	2311.6
22.5°	3071.2	2911.7	2711.6	2514.2	2334.4	2169.8	2050.8	1957.1	1921.7	1934.4	1926.8
25°	3043.3	2777.5	2534.4	2215.4	1987.5	1802.7	1579.9	1428.0	1359.6	1397.6	1372.3
27.5°	1825.5	1833.1	1696.4	1503.9	1339.4	1230.5	1131.8	1050.7	1005.2	1005.2	1010.2
30°	1653.3	1579.9	1488.7	1369.7	1225.4	1116.6	1007.7	919.1	871.0	858.3	863.4
32.5°	1511.5	1460.9	1374.8	1260.9	1129.2	1017.8	903.9	822.9	777.3	774.8	772.2
35°	1359.6	1306.5	1235.6	1136.8	1022.9	919.1	820.3	749.4	708.9	711.5	711.5
37.5°	1255.8	1207.7	1144.4	1050.7	946.9	843.1	754.5	688.7	655.8	655.8	653.2
40°	1202.6	1146.9	1078.6	992.5	896.3	787.4	703.9	640.6	612.7	612.7	610.2
42.5°	1086.2	1038.1	992.5	903.9	807.7	719.1	640.6	584.9	557.0	557.0	557.0
45°	921.6	893.8	858.3	797.5	719.1	645.6	579.8	526.6	503.8	501.3	501.3
47.5°	850.7	820.3	777.3	721.6	658.3	589.9	526.6	488.7	465.9	465.9	465.9
50°	830.5	795.0	736.8	670.9	605.1	544.4	488.7	453.2	433.0	433.0	435.5
52.5°	858.3	800.1	721.6	640.6	572.2	503.8	455.7	420.3	405.1	405.1	402.6
55°	954.5	845.6	731.7	633.0	546.9	473.5	422.8	384.8	367.1	367.1	367.1
57.5°	1007.7	878.6	739.3	622.8	524.1	450.7	397.5	357.0	339.3	339.3	339.3
60°	946.9	840.6	708.9	602.6	506.4	430.4	374.7	336.7	319.0	316.5	314.0
62.5°	792.5	726.7	633.0	544.4	468.4	402.6	357.0	319.0	301.3	301.3	298.8
65°	706.4	650.7	569.7	493.7	430.4	374.7	331.7	301.3	283.6	281.0	281.0
67.5°	658.3	607.7	526.6	455.7	397.5	346.9	306.4	278.5	265.8	260.8	260.8
70°	605.1	549.4	478.5	415.2	362.1	316.5	283.6	255.7	243.1	240.5	238.0
72.5°	552.0	501.3	435.5	374.7	326.6	288.6	258.3	232.9	220.3	217.7	217.7
75°	496.2	448.1	384.8	334.2	293.7	258.3	230.4	210.1	200.0	197.5	195.0
77.5°	450.7	407.6	346.9	298.8	260.8	232.9	207.6	189.9	179.8	179.8	177.2
80°	407.6	367.1	308.9	265.8	232.9	205.1	184.8	169.6	162.0	159.5	159.5
82.5°	367.1	326.6	273.4	235.5	205.1	182.3	162.0	149.4	141.8	141.8	141.8
85°	329.1	291.2	243.1	207.6	179.8	159.5	141.8	129.1	124.1	121.5	124.1
87.5°	291.2	255.7	215.2	182.3	157.0	136.7	121.5	111.4	106.3	106.3	106.3
90°	255.7	222.8	184.8	154.4	134.2	116.5	103.8	93.7	91.1	88.6	88.6
92.5°	225.3	197.5	164.6	139.3	119.0	106.3	93.7	86.1	81.0	81.0	81.0
95°	197.5	172.2	146.8	124.1	108.9	96.2	86.1	78.5	76.0	76.0	76.0
97.5°	169.6	149.4	129.1	111.4	98.7	88.6	78.5	73.4	70.9	68.4	70.9
100°	141.8	126.6	111.4	98.7	88.6	78.5	70.9	65.8	63.3	63.3	63.3
102.5°	113.9	106.3	93.7	83.6	76.0	70.9	63.3	58.2	55.7	55.7	55.7
105°	98.7	91.1	83.6	76.0	70.9	63.3	58.2	53.2	50.6	50.6	50.6
107.5°	91.1	86.1	78.5	73.4	65.8	60.8	55.7	48.1	45.6	45.6	45.6
110°	88.6	83.6	78.5	70.9	65.8	60.8	55.7	45.6	43.0	43.0	43.0

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	88.6	83.6	78.5	73.4	68.4	60.8	55.7	45.6	40.5	40.5	40.5
115°	93.7	88.6	83.6	78.5	70.9	63.3	58.2	45.6	40.5	40.5	40.5
117.5°	101.3	96.2	91.1	83.6	76.0	68.4	58.2	45.6	43.0	43.0	43.0
120°	113.9	108.9	101.3	93.7	83.6	73.4	63.3	48.1	40.5	43.0	43.0
122.5°	131.7	126.6	116.5	103.8	93.7	81.0	65.8	50.6	38.0	43.0	43.0
125°	157.0	149.4	134.2	119.0	103.8	88.6	70.9	53.2	40.5	45.6	45.6
127.5°	184.8	174.7	154.4	134.2	116.5	96.2	76.0	55.7	43.0	45.6	45.6
130°	217.7	200.0	174.7	149.4	126.6	103.8	81.0	58.2	45.6	45.6	45.6
132.5°	250.7	225.3	192.4	164.6	136.7	108.9	83.6	58.2	45.6	45.6	45.6
135°	278.5	248.1	210.1	174.7	141.8	111.4	86.1	58.2	45.6	45.6	45.6
137.5°	303.8	263.3	220.3	179.8	144.3	111.4	83.6	58.2	43.0	43.0	43.0
140°	316.5	270.9	225.3	179.8	141.8	108.9	78.5	53.2	40.5	40.5	40.5
142.5°	316.5	268.4	220.3	174.7	136.7	103.8	73.4	50.6	35.4	38.0	38.0
145°	306.4	258.3	210.1	164.6	126.6	93.7	65.8	43.0	32.9	32.9	32.9
147.5°	283.6	238.0	192.4	149.4	113.9	81.0	58.2	38.0	27.9	25.3	27.9
150°	253.2	210.1	167.1	129.1	96.2	68.4	48.1	30.4	22.8	22.8	22.8
152.5°	212.7	174.7	139.3	106.3	76.0	53.2	35.4	22.8	17.7	17.7	17.7
155°	167.1	136.7	108.9	81.0	58.2	40.5	27.9	17.7	12.7	12.7	12.7
157.5°	126.6	103.8	81.0	58.2	43.0	30.4	20.3	12.7	10.1	10.1	10.1
160°	88.6	70.9	55.7	40.5	27.9	20.3	12.7	7.6	5.1	5.1	5.1
162.5°	55.7	45.6	35.4	22.8	17.7	12.7	7.6	5.1	2.5	2.5	2.5
165°	25.3	22.8	15.2	10.1	7.6	5.1	2.5	2.5	0.0	0.0	0.0
167.5°	7.6	5.1	5.1	2.5	2.5	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	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)