

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: P691866

Luminaire Tested: **CRTK2-C01H-D-U-T2-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691866
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-C01H-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: 7075 lumens
Efficiency: N/A
Efficacy: 100.8 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): 70.2
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



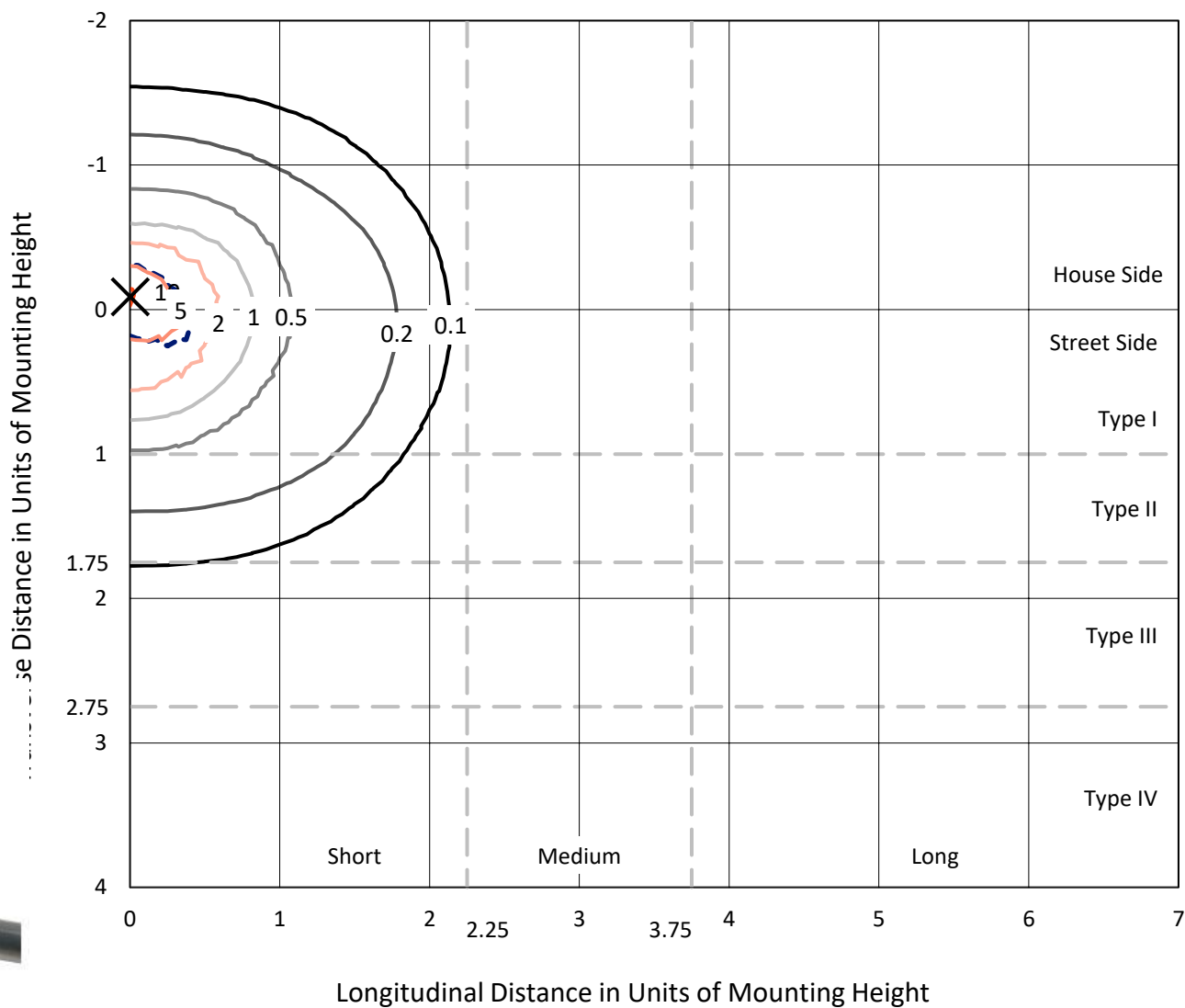
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

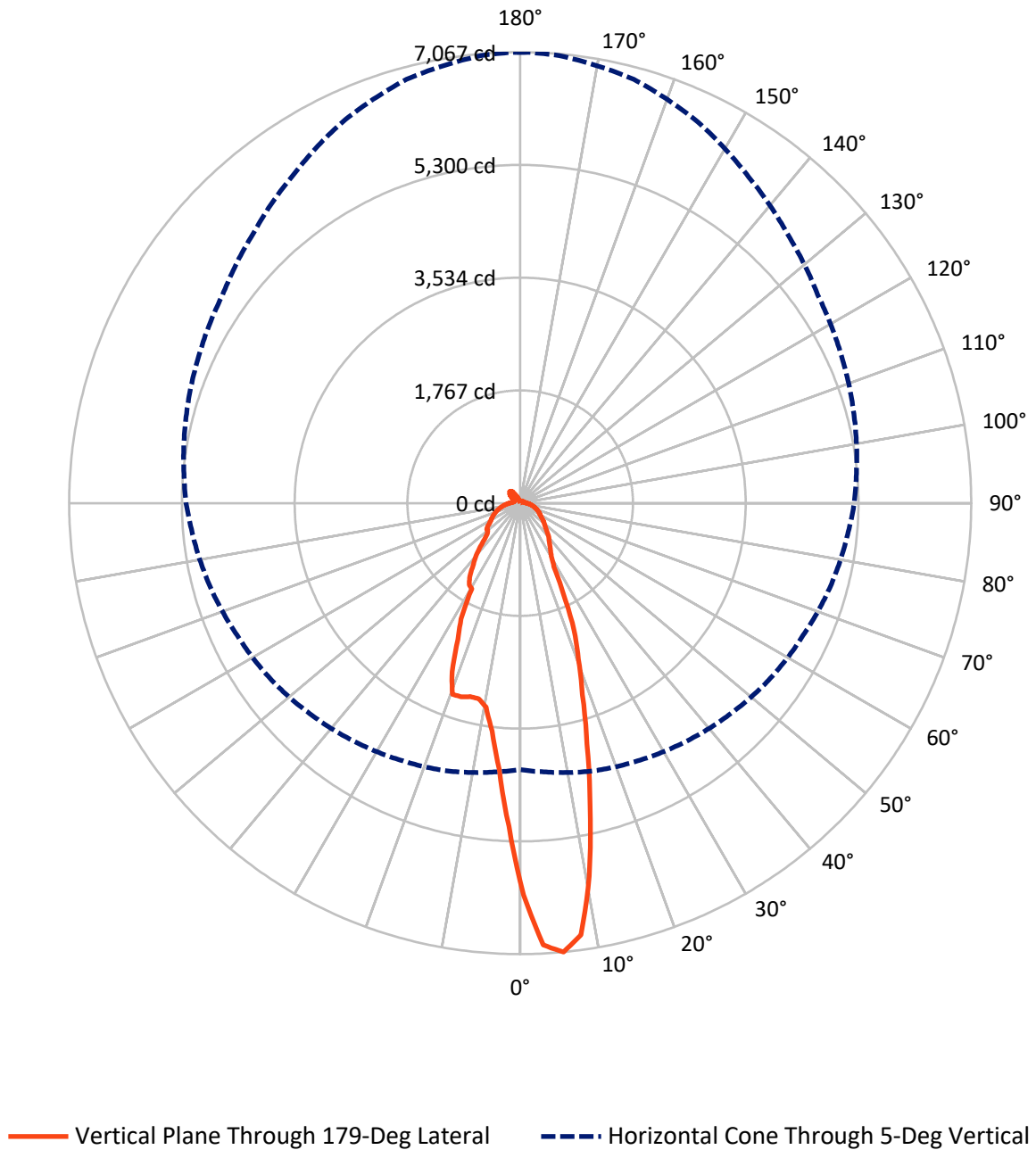


Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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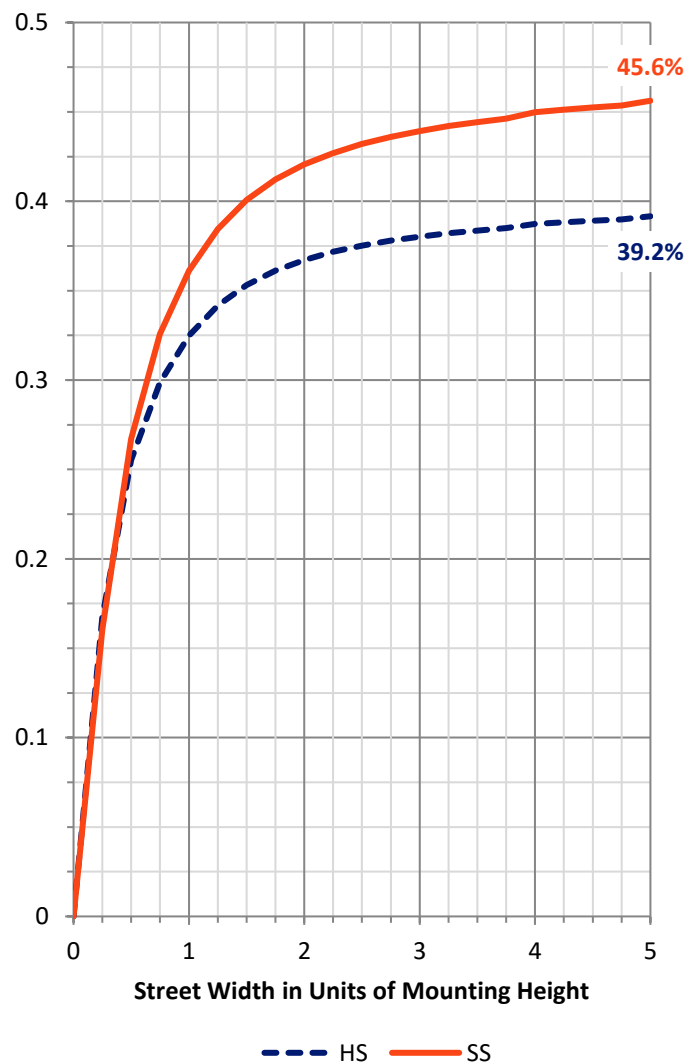
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2847.1	346.2	3193.2
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3304.6	577.2	3881.8
	% Fixture	46.7	8.2	54.9
Total	Lumens	6151.6	923.4	7075.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	480.0	6.8
10°-20°	1024.0	14.5
20°-30°	1112.5	15.7
30°-40°	823.4	11.6
40°-50°	689.6	9.7
50°-60°	693.3	9.8
60°-70°	590.2	8.3
70°-80°	440.9	6.2
80°-90°	297.7	4.2
90°-100°	177.9	2.5
100°-110°	102.8	1.5
110°-120°	94.6	1.3
120°-130°	136.8	1.9
130°-140°	187.2	2.6
140°-150°	154.3	2.2
150°-160°	62.1	0.9
160°-170°	7.6	0.1
170°-180°	0.0	0.0
0°-90°	6151.6	86.9
0°-180°	7075.0	100.0

Coefficient of Utilization



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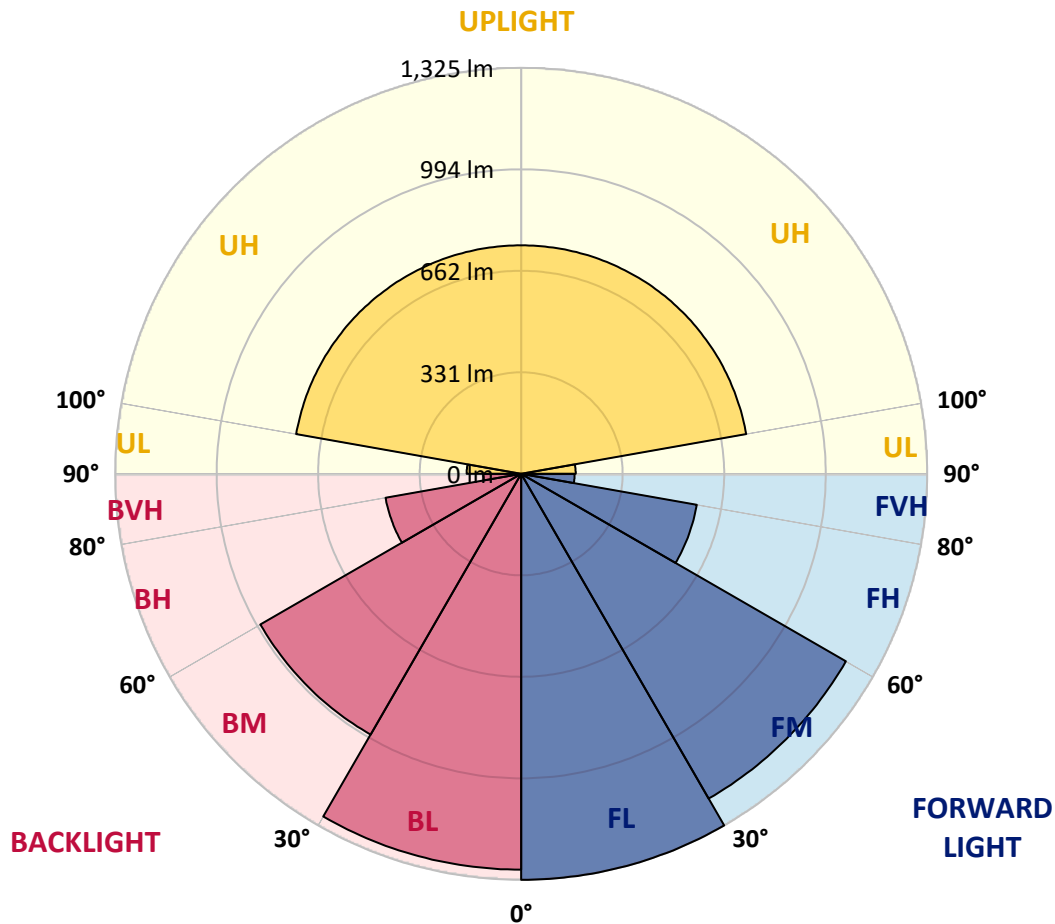
CATALOG NUMBER: CRTK2-C01H-D-U-T2-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1324.8	18.7			
FM	(30°-60°)	1223.5	17.3			
FH	(60°-80°)	581.9	8.2			G0/660
FVH	(80°-90°)	174.3	2.5			G2/225
BL	(0°-30°)	1291.7	18.3	B3/2500		
BM	(30°-60°)	982.8	13.9	B1/1000		
BH	(60°-80°)	449.2	6.3	B1/500		G1/500
BVH	(80°-90°)	123.4	1.7			G2/225
UL	(90°-100°)	177.9	2.5		U3/500	
UH	(100°-180°)	745.5	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°	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4
2.5°	5061.3	5089.6	5152.1	5183.3	5214.5	5254.2	5313.8	5359.2	5464.1	5560.6	5600.3
5°	4176.1	4227.2	4346.3	4442.8	4550.6	4664.1	4786.1	4893.9	5032.9	5160.6	5234.3
7.5°	3588.9	3631.4	3773.3	3960.5	4150.6	4309.5	4434.3	4516.6	4579.0	4630.0	4684.0
10°	3231.4	3268.3	3410.1	3577.5	3739.2	3886.7	3991.7	4071.2	4093.8	4144.9	4170.4
12.5°	3129.3	3146.3	3245.6	3361.9	3461.2	3605.9	3730.7	3815.8	3852.7	3898.1	3912.3
15°	3132.1	3132.1	3188.8	3262.6	3353.4	3464.0	3603.0	3705.2	3759.1	3784.6	3781.8
17.5°	3174.6	3171.8	3197.3	3256.9	3333.5	3444.2	3586.0	3691.0	3753.4	3761.9	3753.4
20°	3174.6	3177.5	3186.0	3254.1	3327.8	3427.1	3571.8	3659.8	3708.0	3682.5	3654.1
22.5°	2851.2	2848.4	2922.2	3066.8	3265.4	3472.5	3603.0	3710.8	3722.2	3628.6	3552.0
25°	2354.7	2334.9	2377.4	2442.7	2576.0	2817.2	3089.5	3498.1	3742.1	3688.2	3571.8
27.5°	2042.7	2017.1	2054.0	2025.6	2011.5	1994.4	1977.4	1929.2	1960.4	1988.8	2113.6
30°	1540.5	1546.2	1554.7	1571.7	1605.8	1673.9	1744.8	1787.3	1824.2	1898.0	1889.5
32.5°	1506.5	1503.6	1506.5	1523.5	1540.5	1583.1	1625.6	1648.3	1676.7	1747.6	1730.6
35°	1393.0	1387.3	1407.2	1415.7	1412.8	1424.2	1466.7	1492.3	1517.8	1563.2	1546.2
37.5°	1225.6	1231.3	1273.8	1296.5	1305.0	1330.6	1364.6	1387.3	1418.5	1452.6	1444.1
40°	1100.8	1097.9	1143.3	1174.5	1194.4	1234.1	1285.2	1319.2	1370.3	1398.7	1378.8
42.5°	947.6	958.9	993.0	1024.2	1029.8	1049.7	1095.1	1134.8	1197.2	1239.8	1228.4
45°	797.2	805.7	834.1	859.6	879.5	905.0	939.1	973.1	1024.2	1058.2	1055.4
47.5°	703.6	712.1	734.8	766.0	794.4	831.3	865.3	899.3	947.6	973.1	964.6
50°	666.7	672.4	697.9	732.0	774.5	819.9	865.3	902.2	947.6	964.6	950.4
52.5°	663.9	663.9	695.1	746.1	805.7	868.1	927.7	978.8	1021.3	1021.3	993.0
55°	624.1	629.8	669.5	737.6	828.4	930.5	1035.5	1132.0	1188.7	1177.4	1123.5
57.5°	567.4	570.2	612.8	678.1	774.5	899.3	1041.2	1163.2	1231.3	1245.5	1188.7
60°	533.4	536.2	564.6	627.0	709.3	808.6	939.1	1035.5	1103.6	1146.2	1100.8
62.5°	505.0	505.0	533.4	575.9	644.0	717.8	791.5	856.8	910.7	941.9	916.4
65°	473.8	473.8	493.6	533.4	587.3	658.2	714.9	763.2	811.4	834.1	811.4
67.5°	442.6	442.6	462.4	499.3	547.5	607.1	663.9	709.3	757.5	774.5	757.5
70°	411.4	411.4	431.2	462.4	507.8	564.6	607.1	655.4	700.7	712.1	697.9
72.5°	380.2	380.2	400.0	428.4	468.1	522.0	561.7	598.6	641.2	649.7	635.5
75°	351.8	351.8	366.0	394.3	431.2	479.5	519.2	553.2	587.3	587.3	575.9
77.5°	320.6	323.4	334.8	360.3	394.3	439.7	476.6	507.8	536.2	536.2	522.0
80°	289.4	292.2	303.6	326.3	357.5	400.0	434.1	462.4	488.0	488.0	473.8
82.5°	258.2	261.0	272.4	292.2	320.6	360.3	394.3	422.7	445.4	442.6	428.4
85°	229.8	232.6	241.1	258.2	283.7	323.4	354.6	380.2	400.0	397.2	385.8
87.5°	201.4	204.3	212.8	227.0	249.7	286.5	317.7	340.4	357.5	354.6	343.3
90°	175.9	175.9	184.4	198.6	218.5	249.7	278.0	297.9	314.9	309.2	297.9
92.5°	153.2	156.0	161.7	173.1	190.1	218.5	244.0	261.0	278.0	275.2	263.8
95°	136.2	136.2	141.9	150.4	164.5	187.2	212.8	227.0	238.3	238.3	229.8
97.5°	119.2	122.0	124.8	130.5	141.9	158.9	178.7	192.9	201.4	201.4	195.8
100°	107.8	110.6	110.6	116.3	122.0	133.3	147.5	158.9	167.4	167.4	164.5
102.5°	102.1	102.1	102.1	105.0	107.8	113.5	122.0	127.7	133.3	136.2	133.3
105°	96.5	96.5	96.5	99.3	99.3	105.0	107.8	113.5	116.3	116.3	113.5
107.5°	93.6	93.6	96.5	96.5	96.5	99.3	105.0	105.0	107.8	105.0	105.0
110°	96.5	96.5	96.5	96.5	96.5	99.3	102.1	102.1	102.1	102.1	99.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	99.3	99.3	99.3	99.3	102.1	102.1	102.1	105.0	105.0	102.1	102.1
115°	107.8	107.8	107.8	107.8	107.8	110.6	110.6	110.6	110.6	107.8	105.0
117.5°	116.3	116.3	116.3	119.2	119.2	122.0	119.2	122.0	119.2	116.3	116.3
120°	130.5	130.5	133.3	136.2	139.0	139.0	136.2	139.0	139.0	133.3	130.5
122.5°	147.5	147.5	150.4	158.9	161.7	164.5	161.7	161.7	161.7	156.0	153.2
125°	164.5	167.4	173.1	184.4	192.9	198.6	192.9	195.8	195.8	187.2	184.4
127.5°	184.4	187.2	198.6	215.6	229.8	235.5	232.6	235.5	238.3	224.1	218.5
130°	204.3	204.3	221.3	246.8	266.7	275.2	278.0	280.9	283.7	269.5	258.2
132.5°	221.3	221.3	244.0	275.2	300.7	314.9	320.6	326.3	331.9	312.1	297.9
135°	232.6	235.5	263.8	300.7	331.9	351.8	360.3	366.0	374.5	351.8	334.8
137.5°	241.1	246.8	275.2	314.9	349.0	377.3	394.3	402.9	408.5	385.8	363.1
140°	244.0	246.8	278.0	317.7	351.8	383.0	408.5	422.7	425.6	402.9	380.2
142.5°	235.5	241.1	269.5	309.2	343.3	377.3	405.7	419.9	422.7	402.9	380.2
145°	224.1	227.0	252.5	289.4	323.4	360.3	391.5	405.7	405.7	388.7	366.0
147.5°	204.3	207.1	229.8	261.0	295.1	331.9	363.1	377.3	380.2	363.1	343.3
150°	175.9	178.7	195.8	221.3	255.3	292.2	320.6	337.6	337.6	320.6	306.4
152.5°	141.9	144.7	158.9	178.7	207.1	241.1	266.7	283.7	283.7	272.4	255.3
155°	110.6	110.6	122.0	139.0	158.9	184.4	204.3	218.5	221.3	209.9	198.6
157.5°	79.4	79.4	87.9	102.1	119.2	139.0	153.2	164.5	164.5	156.0	150.4
160°	53.9	53.9	59.6	68.1	79.4	93.6	105.0	116.3	116.3	110.6	105.0
162.5°	28.4	28.4	34.0	39.7	48.2	59.6	65.3	73.8	73.8	70.9	68.1
165°	8.5	8.5	11.3	14.2	19.9	25.5	28.4	34.0	36.9	34.0	31.2
167.5°	0.0	0.0	2.8	2.8	2.8	2.8	5.7	8.5	8.5	8.5	8.5
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°	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4	6139.4
2.5°	5642.9	5821.6	5983.3	6150.7	6357.8	6539.4	6735.1	6874.1	6933.7	6933.7	6956.4
5°	5288.2	5413.1	5543.6	5691.1	5937.9	6241.5	6590.4	6877.0	7041.5	7067.1	7064.2
7.5°	4701.0	4786.1	4919.4	5084.0	5310.9	5583.3	6031.5	6479.8	6777.7	6831.6	6811.7
10°	4184.6	4264.1	4343.5	4405.9	4567.6	4783.2	5112.3	5549.2	5892.5	5946.4	5903.9
12.5°	3920.8	3946.3	3943.5	3980.4	4045.6	4153.4	4320.8	4573.3	4808.8	4859.8	4823.0
15°	3781.8	3744.9	3688.2	3622.9	3617.2	3634.2	3676.8	3778.9	3878.2	3920.8	3892.4
17.5°	3725.0	3637.1	3520.8	3393.1	3308.0	3228.6	3174.6	3140.6	3154.8	3157.6	3134.9
20°	3591.7	3486.7	3299.5	3117.9	2981.7	2842.7	2723.6	2635.6	2621.4	2607.2	2590.2
22.5°	3441.3	3262.6	3038.5	2817.2	2615.8	2431.3	2298.0	2193.0	2153.3	2167.5	2159.0
25°	3410.1	3112.2	2839.9	2482.4	2227.1	2020.0	1770.3	1600.1	1523.5	1566.0	1537.7
27.5°	2045.5	2054.0	1900.8	1685.2	1500.8	1378.8	1268.2	1177.4	1126.3	1126.3	1132.0
30°	1852.6	1770.3	1668.2	1534.8	1373.1	1251.1	1129.1	1029.8	975.9	961.8	967.4
32.5°	1693.7	1637.0	1540.5	1412.8	1265.3	1140.5	1012.8	922.0	871.0	868.1	865.3
35°	1523.5	1463.9	1384.5	1273.8	1146.2	1029.8	919.2	839.8	794.4	797.2	797.2
37.5°	1407.2	1353.3	1282.3	1177.4	1061.1	944.7	845.4	771.7	734.8	734.8	732.0
40°	1347.6	1285.2	1208.6	1112.1	1004.3	882.3	788.7	717.8	686.6	686.6	683.7
42.5°	1217.1	1163.2	1112.1	1012.8	905.0	805.7	717.8	655.4	624.1	624.1	624.1
45°	1032.7	1001.5	961.8	893.7	805.7	723.4	649.7	590.1	564.6	561.7	561.7
47.5°	953.2	919.2	871.0	808.6	737.6	661.0	590.1	547.5	522.0	522.0	522.0
50°	930.5	890.8	825.6	751.8	678.1	610.0	547.5	507.8	485.1	485.1	488.0
52.5°	961.8	896.5	808.6	717.8	641.2	564.6	510.7	470.9	453.9	453.9	451.1
55°	1069.6	947.6	819.9	709.3	612.8	530.5	473.8	431.2	411.4	411.4	411.4
57.5°	1129.1	984.5	828.4	697.9	587.3	505.0	445.4	400.0	380.2	380.2	380.2
60°	1061.1	941.9	794.4	675.2	567.4	482.3	419.9	377.3	357.5	354.6	351.8
62.5°	888.0	814.2	709.3	610.0	524.9	451.1	400.0	357.5	337.6	337.6	334.8
65°	791.5	729.1	638.3	553.2	482.3	419.9	371.7	337.6	317.7	314.9	314.9
67.5°	737.6	680.9	590.1	510.7	445.4	388.7	343.3	312.1	297.9	292.2	292.2
70°	678.1	615.6	536.2	465.3	405.7	354.6	317.7	286.5	272.4	269.5	266.7
72.5°	618.5	561.7	488.0	419.9	366.0	323.4	289.4	261.0	246.8	244.0	244.0
75°	556.1	502.2	431.2	374.5	329.1	289.4	258.2	235.5	224.1	221.3	218.5
77.5°	505.0	456.8	388.7	334.8	292.2	261.0	232.6	212.8	201.4	201.4	198.6
80°	456.8	411.4	346.1	297.9	261.0	229.8	207.1	190.1	181.6	178.7	178.7
82.5°	411.4	366.0	306.4	263.8	229.8	204.3	181.6	167.4	158.9	158.9	158.9
85°	368.8	326.3	272.4	232.6	201.4	178.7	158.9	144.7	139.0	136.2	139.0
87.5°	326.3	286.5	241.1	204.3	175.9	153.2	136.2	124.8	119.2	119.2	119.2
90°	286.5	249.7	207.1	173.1	150.4	130.5	116.3	105.0	102.1	99.3	99.3
92.5°	252.5	221.3	184.4	156.0	133.3	119.2	105.0	96.5	90.8	90.8	90.8
95°	221.3	192.9	164.5	139.0	122.0	107.8	96.5	87.9	85.1	85.1	85.1
97.5°	190.1	167.4	144.7	124.8	110.6	99.3	87.9	82.3	79.4	76.6	79.4
100°	158.9	141.9	124.8	110.6	99.3	87.9	79.4	73.8	70.9	70.9	70.9
102.5°	127.7	119.2	105.0	93.6	85.1	79.4	70.9	65.3	62.4	62.4	62.4
105°	110.6	102.1	93.6	85.1	79.4	70.9	65.3	59.6	56.7	56.7	56.7
107.5°	102.1	96.5	87.9	82.3	73.8	68.1	62.4	53.9	51.1	51.1	51.1
110°	99.3	93.6	87.9	79.4	73.8	68.1	62.4	51.1	48.2	48.2	48.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	99.3	93.6	87.9	82.3	76.6	68.1	62.4	51.1	45.4	45.4	45.4
115°	105.0	99.3	93.6	87.9	79.4	70.9	65.3	51.1	45.4	45.4	45.4
117.5°	113.5	107.8	102.1	93.6	85.1	76.6	65.3	51.1	48.2	48.2	48.2
120°	127.7	122.0	113.5	105.0	93.6	82.3	70.9	53.9	45.4	48.2	48.2
122.5°	147.5	141.9	130.5	116.3	105.0	90.8	73.8	56.7	42.6	48.2	48.2
125°	175.9	167.4	150.4	133.3	116.3	99.3	79.4	59.6	45.4	51.1	51.1
127.5°	207.1	195.8	173.1	150.4	130.5	107.8	85.1	62.4	48.2	51.1	51.1
130°	244.0	224.1	195.8	167.4	141.9	116.3	90.8	65.3	51.1	51.1	51.1
132.5°	280.9	252.5	215.6	184.4	153.2	122.0	93.6	65.3	51.1	51.1	51.1
135°	312.1	278.0	235.5	195.8	158.9	124.8	96.5	65.3	51.1	51.1	51.1
137.5°	340.4	295.1	246.8	201.4	161.7	124.8	93.6	65.3	48.2	48.2	48.2
140°	354.6	303.6	252.5	201.4	158.9	122.0	87.9	59.6	45.4	45.4	45.4
142.5°	354.6	300.7	246.8	195.8	153.2	116.3	82.3	56.7	39.7	42.6	42.6
145°	343.3	289.4	235.5	184.4	141.9	105.0	73.8	48.2	36.9	36.9	36.9
147.5°	317.7	266.7	215.6	167.4	127.7	90.8	65.3	42.6	31.2	28.4	31.2
150°	283.7	235.5	187.2	144.7	107.8	76.6	53.9	34.0	25.5	25.5	25.5
152.5°	238.3	195.8	156.0	119.2	85.1	59.6	39.7	25.5	19.9	19.9	19.9
155°	187.2	153.2	122.0	90.8	65.3	45.4	31.2	19.9	14.2	14.2	14.2
157.5°	141.9	116.3	90.8	65.3	48.2	34.0	22.7	14.2	11.3	11.3	11.3
160°	99.3	79.4	62.4	45.4	31.2	22.7	14.2	8.5	5.7	5.7	5.7
162.5°	62.4	51.1	39.7	25.5	19.9	14.2	8.5	5.7	2.8	2.8	2.8
165°	28.4	25.5	17.0	11.3	8.5	5.7	2.8	2.8	0.0	0.0	0.0
167.5°	8.5	5.7	5.7	2.8	2.8	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)