

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: P691758

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691758
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-5TLD-U-T2-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8339 lumens
Efficiency: N/A
Efficacy: 111.3 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): 74.9
Input Voltage (V): NR
Input Current (A_{in}): 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



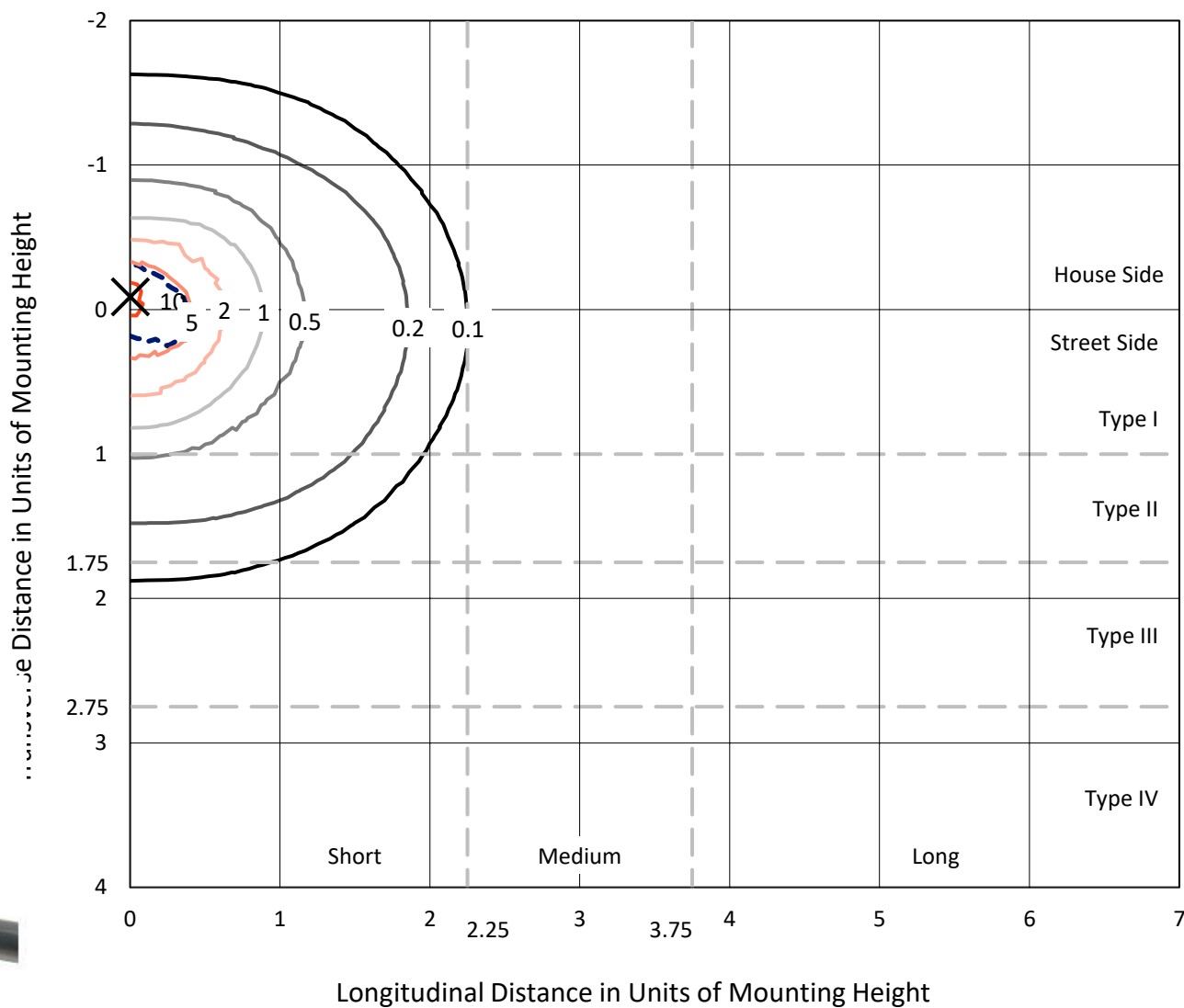
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

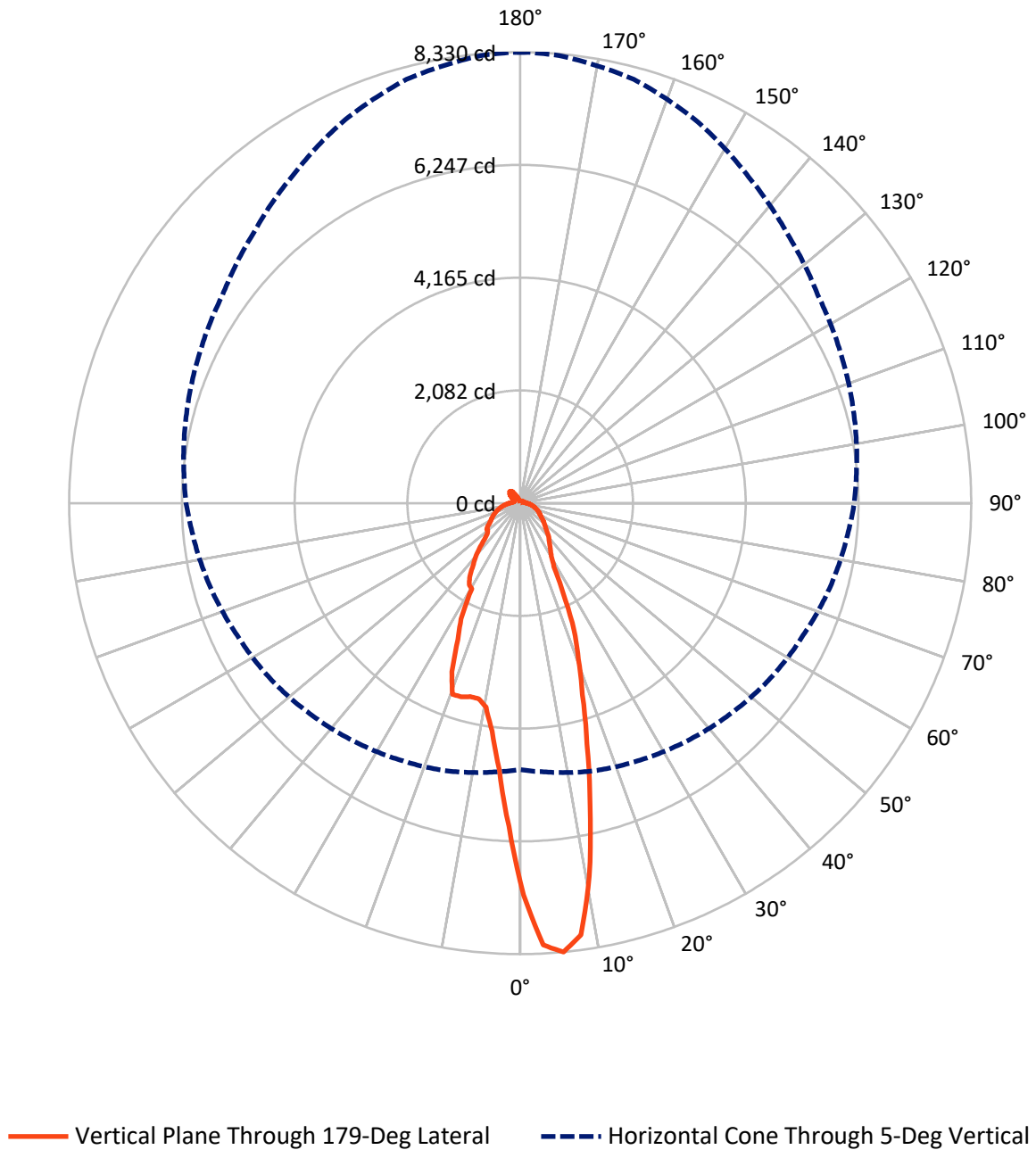


Based on 25 foot mounting height. Maximum calculated value = 12.6 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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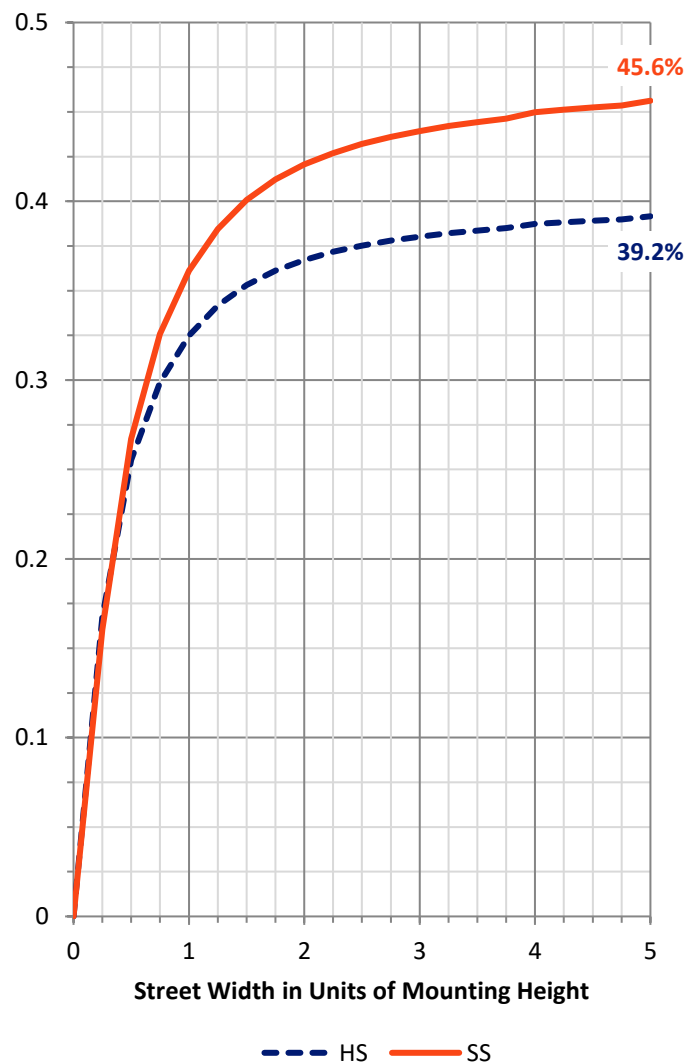
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3355.7	408.0	3763.7
	% Fixture	40.2	4.9	45.1
Street Side	Lumens	3895.0	680.3	4575.3
	% Fixture	46.7	8.2	54.9
Total	Lumens	7250.7	1088.3	8339.0
	% Fixture	86.9	13.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	565.7	6.8
10°-20°	1207.0	14.5
20°-30°	1311.2	15.7
30°-40°	970.5	11.6
40°-50°	812.8	9.7
50°-60°	817.2	9.8
60°-70°	695.7	8.3
70°-80°	519.7	6.2
80°-90°	350.8	4.2
90°-100°	209.7	2.5
100°-110°	121.1	1.5
110°-120°	111.5	1.3
120°-130°	161.2	1.9
130°-140°	220.7	2.6
140°-150°	181.9	2.2
150°-160°	73.2	0.9
160°-170°	9.0	0.1
170°-180°	0.0	0.0
0°-90°	7250.7	86.9
0°-180°	8339.0	100.0

Coefficient of Utilization



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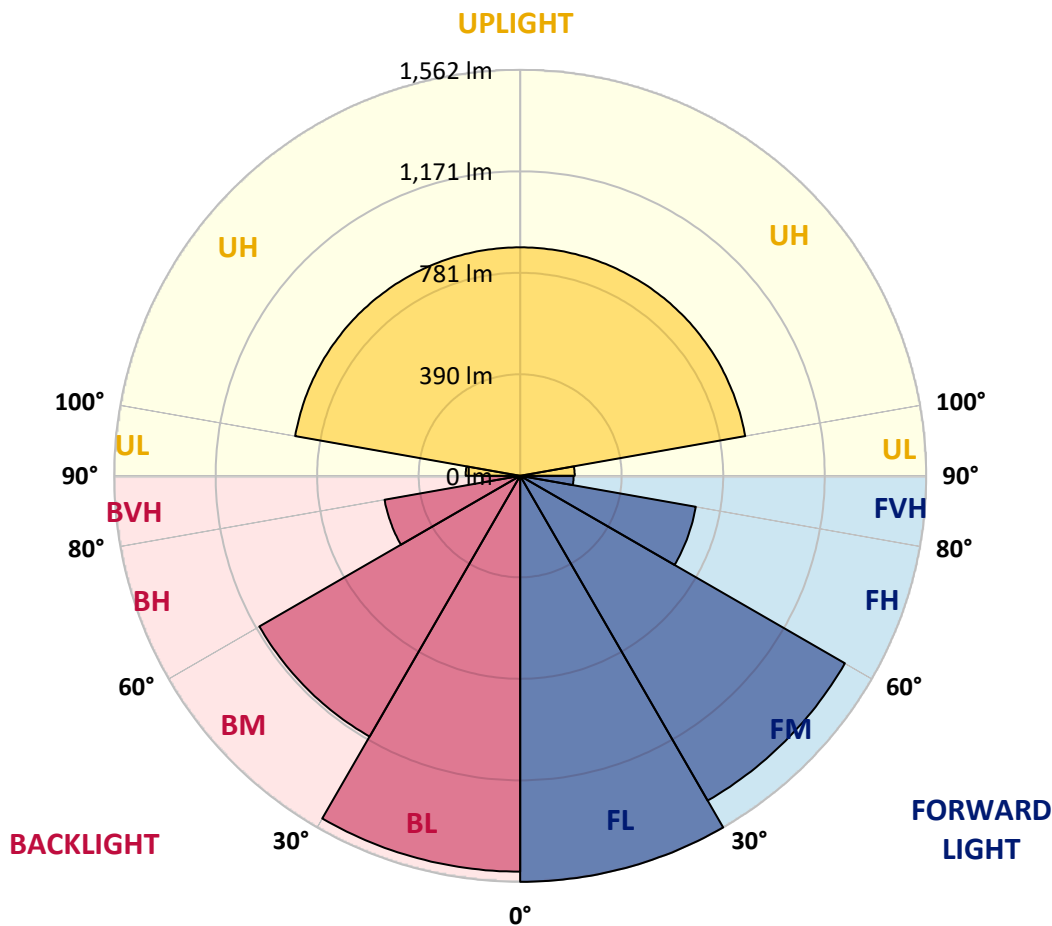
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1561.5	18.7			
FM	(30°-60°)	1442.1	17.3			
FH	(60°-80°)	685.9	8.2			G1/1800
FVH	(80°-90°)	205.4	2.5			G2/225
BL	(0°-30°)	1522.4	18.3	B3/2500		
BM	(30°-60°)	1158.4	13.9	B2/2500		
BH	(60°-80°)	529.5	6.3	B2/1000		G2/1000
BVH	(80°-90°)	145.4	1.7			G2/225
UL	(90°-100°)	209.7	2.5		U3/500	
UH	(100°-180°)	878.7	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°	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2
2.5°	5965.5	5999.0	6072.5	6109.3	6146.1	6192.9	6263.1	6316.6	6440.3	6554.0	6600.9
5°	4922.2	4982.4	5122.9	5236.5	5363.6	5497.4	5641.2	5768.2	5932.1	6082.5	6169.5
7.5°	4230.0	4280.2	4447.4	4668.1	4892.1	5079.4	5226.5	5323.5	5397.0	5457.2	5520.8
10°	3808.7	3852.2	4019.4	4216.7	4407.3	4581.1	4704.9	4798.5	4825.2	4885.4	4915.5
12.5°	3688.3	3708.4	3825.4	3962.5	4079.6	4250.1	4397.2	4497.5	4541.0	4594.5	4611.2
15°	3691.7	3691.7	3758.5	3845.5	3952.5	4082.9	4246.7	4367.1	4430.7	4460.8	4457.4
17.5°	3741.8	3738.5	3768.6	3838.8	3929.1	4059.5	4226.7	4350.4	4424.0	4434.0	4424.0
20°	3741.8	3745.2	3755.2	3835.4	3922.4	4039.4	4210.0	4313.6	4370.5	4340.4	4306.9
22.5°	3360.6	3357.3	3444.2	3614.8	3848.8	4092.9	4246.7	4373.8	4387.2	4276.8	4186.6
25°	2775.4	2752.0	2802.2	2879.1	3036.3	3320.5	3641.5	4123.0	4410.6	4347.1	4210.0
27.5°	2407.6	2377.5	2421.0	2387.5	2370.8	2350.8	2330.7	2273.9	2310.6	2344.1	2491.2
30°	1815.7	1822.4	1832.5	1852.5	1892.6	1972.9	2056.5	2106.7	2150.1	2237.1	2227.0
32.5°	1775.6	1772.3	1775.6	1795.7	1815.7	1865.9	1916.1	1942.8	1976.2	2059.8	2039.8
35°	1641.9	1635.2	1658.6	1668.6	1665.3	1678.6	1728.8	1758.9	1789.0	1842.5	1822.4
37.5°	1444.6	1451.3	1501.4	1528.2	1538.2	1568.3	1608.4	1635.2	1671.9	1712.1	1702.0
40°	1297.4	1294.1	1347.6	1384.4	1407.8	1454.6	1514.8	1554.9	1615.1	1648.5	1625.1
42.5°	1116.9	1130.2	1170.4	1207.1	1213.8	1237.2	1290.7	1337.6	1411.1	1461.3	1447.9
45°	939.6	949.7	983.1	1013.2	1036.6	1066.7	1106.8	1147.0	1207.1	1247.3	1243.9
47.5°	829.3	839.3	866.1	902.9	936.3	979.8	1019.9	1060.0	1116.9	1147.0	1136.9
50°	785.8	792.5	822.6	862.7	912.9	966.4	1019.9	1063.4	1116.9	1136.9	1120.2
52.5°	782.5	782.5	819.3	879.4	949.7	1023.2	1093.5	1153.6	1203.8	1203.8	1170.4
55°	735.7	742.3	789.2	869.4	976.4	1096.8	1220.5	1334.2	1401.1	1387.7	1324.2
57.5°	668.8	672.1	722.3	799.2	912.9	1060.0	1227.2	1371.0	1451.3	1468.0	1401.1
60°	628.7	632.0	665.4	739.0	836.0	953.0	1106.8	1220.5	1300.8	1350.9	1297.4
62.5°	595.2	595.2	628.7	678.8	759.1	846.0	932.9	1009.9	1073.4	1110.2	1080.1
65°	558.4	558.4	581.8	628.7	692.2	775.8	842.7	899.5	956.4	983.1	956.4
67.5°	521.6	521.6	545.1	588.5	645.4	715.6	782.5	836.0	892.8	912.9	892.8
70°	484.9	484.9	508.3	545.1	598.6	665.4	715.6	772.4	825.9	839.3	822.6
72.5°	448.1	448.1	471.5	504.9	551.7	615.3	662.1	705.6	755.7	765.8	749.0
75°	414.6	414.6	431.4	464.8	508.3	565.1	611.9	652.1	692.2	692.2	678.8
77.5°	377.9	381.2	394.6	424.7	464.8	518.3	561.8	598.6	632.0	632.0	615.3
80°	341.1	344.4	357.8	384.5	421.3	471.5	511.6	545.1	575.2	575.2	558.4
82.5°	304.3	307.6	321.0	344.4	377.9	424.7	464.8	498.2	525.0	521.6	504.9
85°	270.9	274.2	284.2	304.3	334.4	381.2	418.0	448.1	471.5	468.1	454.8
87.5°	237.4	240.8	250.8	267.5	294.3	337.7	374.5	401.3	421.3	418.0	404.6
90°	207.3	207.3	217.4	234.1	257.5	294.3	327.7	351.1	371.2	364.5	351.1
92.5°	180.6	183.9	190.6	204.0	224.0	257.5	287.6	307.6	327.7	324.4	311.0
95°	160.5	160.5	167.2	177.2	193.9	220.7	250.8	267.5	280.9	280.9	270.9
97.5°	140.4	143.8	147.1	153.8	167.2	187.3	210.7	227.4	237.4	237.4	230.7
100°	127.1	130.4	130.4	137.1	143.8	157.2	173.9	187.3	197.3	197.3	193.9
102.5°	120.4	120.4	120.4	123.7	127.1	133.8	143.8	150.5	157.2	160.5	157.2
105°	113.7	113.7	113.7	117.0	117.0	123.7	127.1	133.8	137.1	137.1	133.8
107.5°	110.3	110.3	113.7	113.7	113.7	117.0	123.7	123.7	127.1	123.7	123.7
110°	113.7	113.7	113.7	113.7	113.7	117.0	120.4	120.4	120.4	120.4	117.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	117.0	117.0	117.0	117.0	120.4	120.4	120.4	123.7	123.7	120.4	120.4
115°	127.1	127.1	127.1	127.1	127.1	130.4	130.4	130.4	130.4	127.1	123.7
117.5°	137.1	137.1	137.1	140.4	140.4	143.8	140.4	143.8	140.4	137.1	137.1
120°	153.8	153.8	157.2	160.5	163.9	163.9	160.5	163.9	163.9	157.2	153.8
122.5°	173.9	173.9	177.2	187.3	190.6	193.9	190.6	190.6	190.6	183.9	180.6
125°	193.9	197.3	204.0	217.4	227.4	234.1	227.4	230.7	230.7	220.7	217.4
127.5°	217.4	220.7	234.1	254.1	270.9	277.5	274.2	277.5	280.9	264.2	257.5
130°	240.8	240.8	260.8	290.9	314.3	324.4	327.7	331.0	334.4	317.7	304.3
132.5°	260.8	260.8	287.6	324.4	354.5	371.2	377.9	384.5	391.2	367.8	351.1
135°	274.2	277.5	311.0	354.5	391.2	414.6	424.7	431.4	441.4	414.6	394.6
137.5°	284.2	290.9	324.4	371.2	411.3	444.7	464.8	474.8	481.5	454.8	428.0
140°	287.6	290.9	327.7	374.5	414.6	451.4	481.5	498.2	501.6	474.8	448.1
142.5°	277.5	284.2	317.7	364.5	404.6	444.7	478.2	494.9	498.2	474.8	448.1
145°	264.2	267.5	297.6	341.1	381.2	424.7	461.5	478.2	478.2	458.1	431.4
147.5°	240.8	244.1	270.9	307.6	347.8	391.2	428.0	444.7	448.1	428.0	404.6
150°	207.3	210.7	230.7	260.8	301.0	344.4	377.9	397.9	397.9	377.9	361.1
152.5°	167.2	170.5	187.3	210.7	244.1	284.2	314.3	334.4	334.4	321.0	301.0
155°	130.4	130.4	143.8	163.9	187.3	217.4	240.8	257.5	260.8	247.4	234.1
157.5°	93.6	93.6	103.7	120.4	140.4	163.9	180.6	193.9	193.9	183.9	177.2
160°	63.5	63.5	70.2	80.3	93.6	110.3	123.7	137.1	137.1	130.4	123.7
162.5°	33.4	33.4	40.1	46.8	56.8	70.2	76.9	86.9	86.9	83.6	80.3
165°	10.0	10.0	13.4	16.7	23.4	30.1	33.4	40.1	43.5	40.1	36.8
167.5°	0.0	0.0	3.3	3.3	3.3	3.3	6.7	10.0	10.0	10.0	10.0
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

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
0°	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2	7236.2
2.5°	6651.0	6861.7	7052.3	7249.6	7493.7	7707.7	7938.4	8102.3	8172.5	8172.5	8199.2
5°	6233.0	6380.2	6534.0	6707.9	6998.8	7356.6	7767.9	8105.6	8299.6	8329.6	8326.3
7.5°	5540.8	5641.2	5798.3	5992.3	6259.8	6580.8	7109.1	7637.5	7988.6	8052.1	8028.7
10°	4932.2	5025.9	5119.5	5193.1	5383.7	5637.8	6025.7	6540.7	6945.3	7008.8	6958.6
12.5°	4621.3	4651.4	4648.0	4691.5	4768.4	4895.5	5092.8	5390.4	5667.9	5728.1	5684.6
15°	4457.4	4413.9	4347.1	4270.2	4263.5	4283.5	4333.7	4454.1	4571.1	4621.3	4587.8
17.5°	4390.5	4286.9	4149.8	3999.3	3899.0	3805.4	3741.8	3701.7	3718.4	3721.8	3695.0
20°	4233.4	4109.6	3889.0	3674.9	3514.4	3350.6	3210.1	3106.5	3089.8	3073.0	3053.0
22.5°	4056.1	3845.5	3581.3	3320.5	3083.1	2865.7	2708.6	2584.8	2538.0	2554.7	2544.7
25°	4019.4	3668.3	3347.2	2925.9	2625.0	2380.9	2086.6	1886.0	1795.7	1845.8	1812.4
27.5°	2410.9	2421.0	2240.4	1986.3	1768.9	1625.1	1494.7	1387.7	1327.5	1327.5	1334.2
30°	2183.6	2086.6	1966.2	1809.0	1618.4	1474.7	1330.9	1213.8	1150.3	1133.6	1140.3
32.5°	1996.3	1929.4	1815.7	1665.3	1491.4	1344.2	1193.8	1086.8	1026.6	1023.2	1019.9
35°	1795.7	1725.5	1631.8	1501.4	1350.9	1213.8	1083.4	989.8	936.3	939.6	939.6
37.5°	1658.6	1595.0	1511.4	1387.7	1250.6	1113.5	996.5	909.5	866.1	866.1	862.7
40°	1588.4	1514.8	1424.5	1310.8	1183.7	1040.0	929.6	846.0	809.2	809.2	805.9
42.5°	1434.5	1371.0	1310.8	1193.8	1066.7	949.7	846.0	772.4	735.7	735.7	735.7
45°	1217.2	1180.4	1133.6	1053.3	949.7	852.7	765.8	695.5	665.4	662.1	662.1
47.5°	1123.5	1083.4	1026.6	953.0	869.4	779.1	695.5	645.4	615.3	615.3	615.3
50°	1096.8	1050.0	973.1	886.1	799.2	718.9	645.4	598.6	571.8	571.8	575.2
52.5°	1133.6	1056.7	953.0	846.0	755.7	665.4	601.9	555.1	535.0	535.0	531.7
55°	1260.6	1116.9	966.4	836.0	722.3	625.3	558.4	508.3	484.9	484.9	484.9
57.5°	1330.9	1160.3	976.4	822.6	692.2	595.2	525.0	471.5	448.1	448.1	448.1
60°	1250.6	1110.2	936.3	795.8	668.8	568.5	494.9	444.7	421.3	418.0	414.6
62.5°	1046.6	959.7	836.0	718.9	618.6	531.7	471.5	421.3	397.9	397.9	394.6
65°	932.9	859.4	752.4	652.1	568.5	494.9	438.1	397.9	374.5	371.2	371.2
67.5°	869.4	802.5	695.5	601.9	525.0	458.1	404.6	367.8	351.1	344.4	344.4
70°	799.2	725.6	632.0	548.4	478.2	418.0	374.5	337.7	321.0	317.7	314.3
72.5°	729.0	662.1	575.2	494.9	431.4	381.2	341.1	307.6	290.9	287.6	287.6
75°	655.4	591.9	508.3	441.4	387.9	341.1	304.3	277.5	264.2	260.8	257.5
77.5°	595.2	538.4	458.1	394.6	344.4	307.6	274.2	250.8	237.4	237.4	234.1
80°	538.4	484.9	408.0	351.1	307.6	270.9	244.1	224.0	214.0	210.7	210.7
82.5°	484.9	431.4	361.1	311.0	270.9	240.8	214.0	197.3	187.3	187.3	187.3
85°	434.7	384.5	321.0	274.2	237.4	210.7	187.3	170.5	163.9	160.5	163.9
87.5°	384.5	337.7	284.2	240.8	207.3	180.6	160.5	147.1	140.4	140.4	140.4
90°	337.7	294.3	244.1	204.0	177.2	153.8	137.1	123.7	120.4	117.0	117.0
92.5°	297.6	260.8	217.4	183.9	157.2	140.4	123.7	113.7	107.0	107.0	107.0
95°	260.8	227.4	193.9	163.9	143.8	127.1	113.7	103.7	100.3	100.3	100.3
97.5°	224.0	197.3	170.5	147.1	130.4	117.0	103.7	97.0	93.6	90.3	93.6
100°	187.3	167.2	147.1	130.4	117.0	103.7	93.6	86.9	83.6	83.6	83.6
102.5°	150.5	140.4	123.7	110.3	100.3	93.6	83.6	76.9	73.6	73.6	73.6
105°	130.4	120.4	110.3	100.3	93.6	83.6	76.9	70.2	66.9	66.9	66.9
107.5°	120.4	113.7	103.7	97.0	86.9	80.3	73.6	63.5	60.2	60.2	60.2
110°	117.0	110.3	103.7	93.6	86.9	80.3	73.6	60.2	56.8	56.8	56.8

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	179°	180°
112.5°	117.0	110.3	103.7	97.0	90.3	80.3	73.6	60.2	53.5	53.5	53.5
115°	123.7	117.0	110.3	103.7	93.6	83.6	76.9	60.2	53.5	53.5	53.5
117.5°	133.8	127.1	120.4	110.3	100.3	90.3	76.9	60.2	56.8	56.8	56.8
120°	150.5	143.8	133.8	123.7	110.3	97.0	83.6	63.5	53.5	56.8	56.8
122.5°	173.9	167.2	153.8	137.1	123.7	107.0	86.9	66.9	50.2	56.8	56.8
125°	207.3	197.3	177.2	157.2	137.1	117.0	93.6	70.2	53.5	60.2	60.2
127.5°	244.1	230.7	204.0	177.2	153.8	127.1	100.3	73.6	56.8	60.2	60.2
130°	287.6	264.2	230.7	197.3	167.2	137.1	107.0	76.9	60.2	60.2	60.2
132.5°	331.0	297.6	254.1	217.4	180.6	143.8	110.3	76.9	60.2	60.2	60.2
135°	367.8	327.7	277.5	230.7	187.3	147.1	113.7	76.9	60.2	60.2	60.2
137.5°	401.3	347.8	290.9	237.4	190.6	147.1	110.3	76.9	56.8	56.8	56.8
140°	418.0	357.8	297.6	237.4	187.3	143.8	103.7	70.2	53.5	53.5	53.5
142.5°	418.0	354.5	290.9	230.7	180.6	137.1	97.0	66.9	46.8	50.2	50.2
145°	404.6	341.1	277.5	217.4	167.2	123.7	86.9	56.8	43.5	43.5	43.5
147.5°	374.5	314.3	254.1	197.3	150.5	107.0	76.9	50.2	36.8	33.4	36.8
150°	334.4	277.5	220.7	170.5	127.1	90.3	63.5	40.1	30.1	30.1	30.1
152.5°	280.9	230.7	183.9	140.4	100.3	70.2	46.8	30.1	23.4	23.4	23.4
155°	220.7	180.6	143.8	107.0	76.9	53.5	36.8	23.4	16.7	16.7	16.7
157.5°	167.2	137.1	107.0	76.9	56.8	40.1	26.8	16.7	13.4	13.4	13.4
160°	117.0	93.6	73.6	53.5	36.8	26.8	16.7	10.0	6.7	6.7	6.7
162.5°	73.6	60.2	46.8	30.1	23.4	16.7	10.0	6.7	3.3	3.3	3.3
165°	33.4	30.1	20.1	13.4	10.0	6.7	3.3	3.3	0.0	0.0	0.0
167.5°	10.0	6.7	6.7	3.3	3.3	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)