

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: P691820

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7040-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691820
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-C01H-5TLD-U-T5R-7040-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8888 lumens
Efficiency: N/A
Efficacy: 118.7 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): 74.9
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



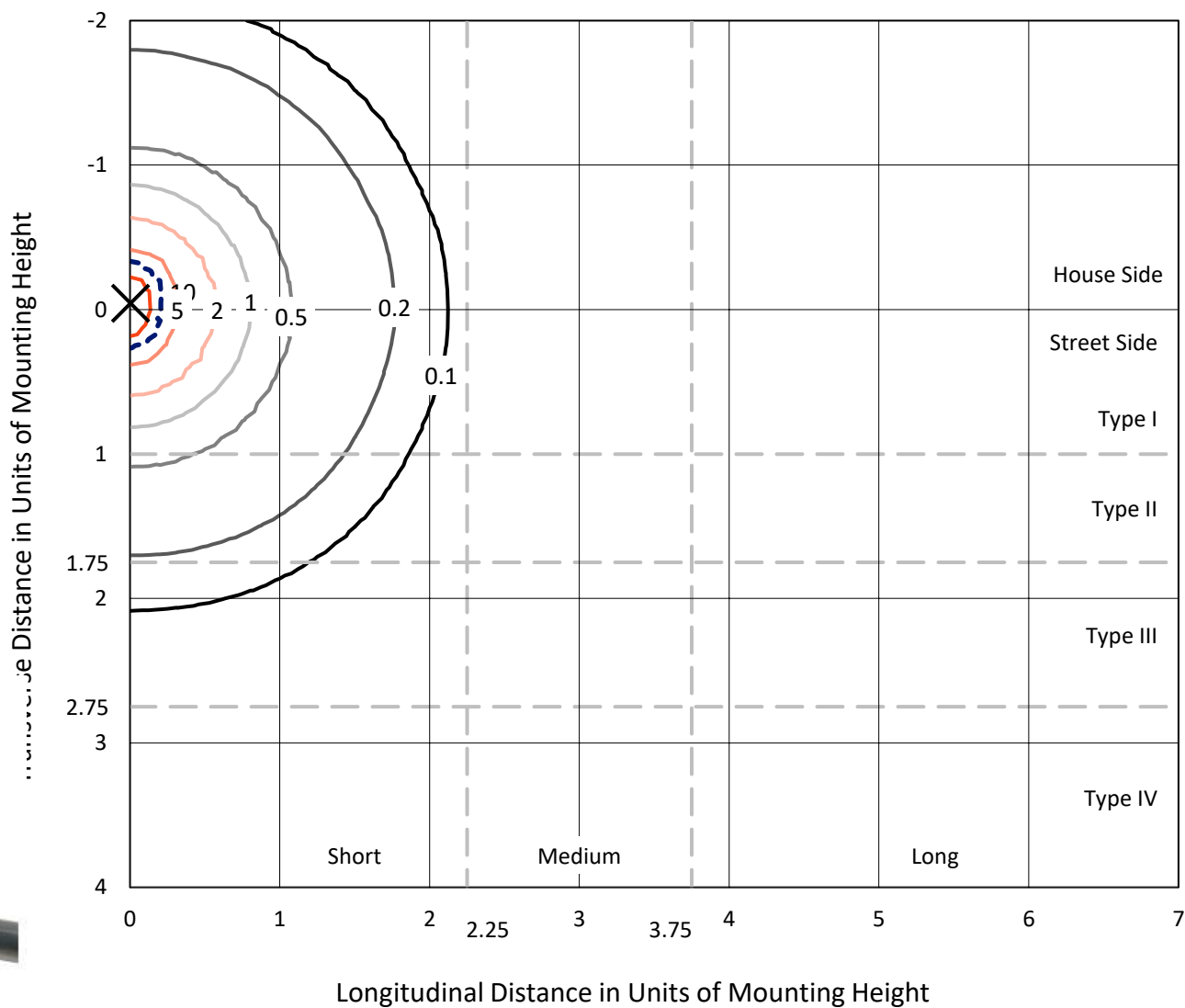
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

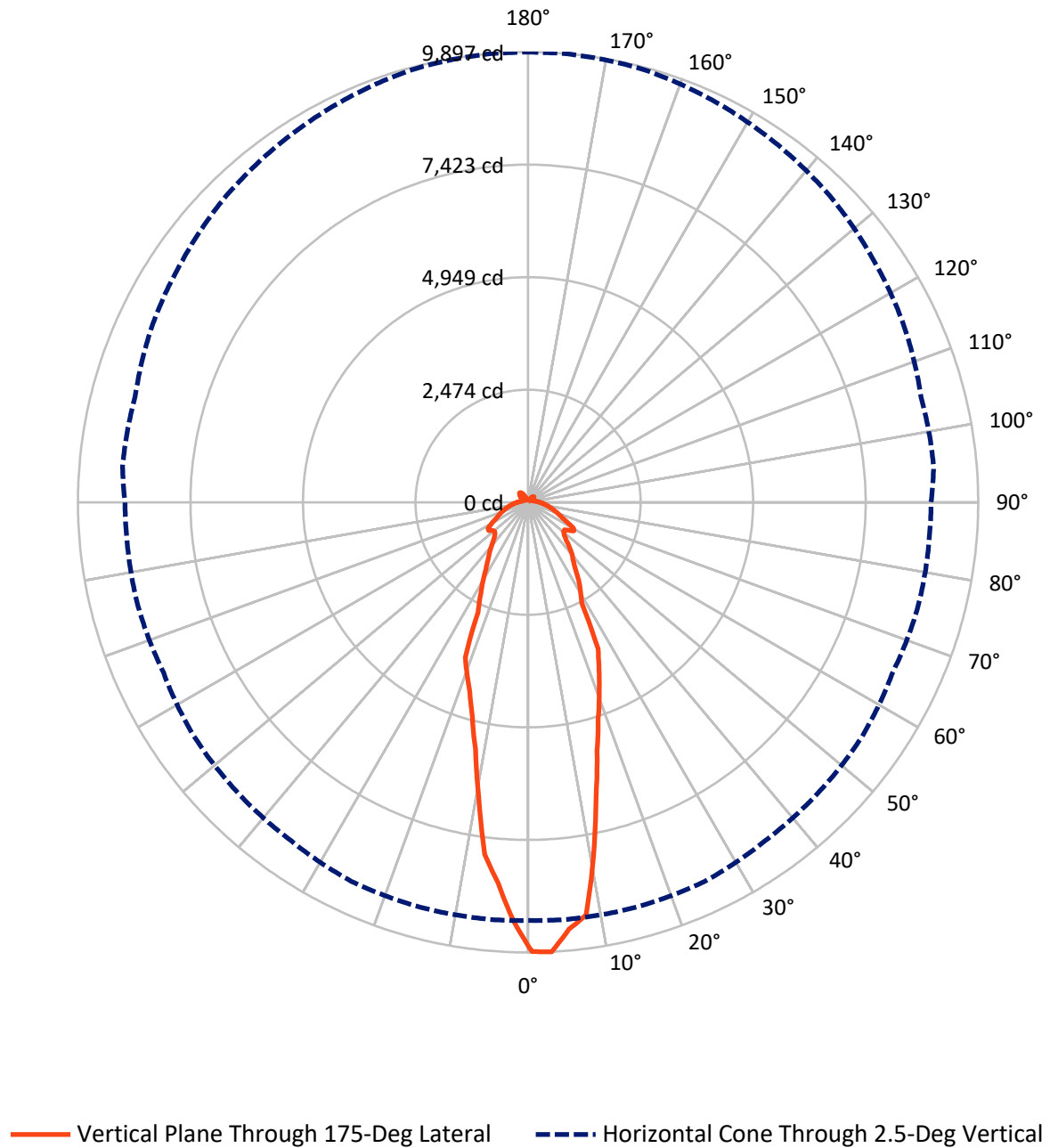


Based on 25 foot mounting height. Maximum calculated value = 15.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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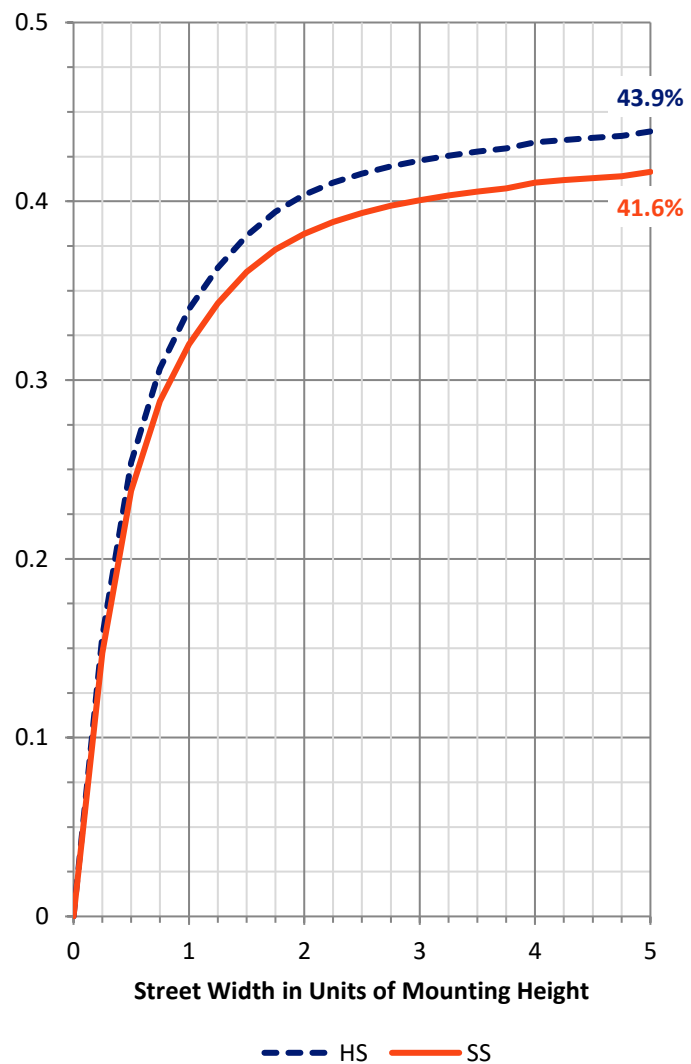
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4022.6	531.4	4554.0
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3788.6	545.4	4334.0
	% Fixture	42.6	6.1	48.8
Total	Lumens	7811.2	1076.8	8888.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	735.3	8.3
10°-20°	1290.6	14.5
20°-30°	1279.8	14.4
30°-40°	986.6	11.1
40°-50°	845.8	9.5
50°-60°	945.9	10.6
60°-70°	810.4	9.1
70°-80°	557.7	6.3
80°-90°	359.0	4.0
90°-100°	215.1	2.4
100°-110°	128.0	1.4
110°-120°	118.4	1.3
120°-130°	169.0	1.9
130°-140°	218.5	2.5
140°-150°	161.7	1.8
150°-160°	59.1	0.7
160°-170°	6.9	0.1
170°-180°	0.0	0.0
0°-90°	7811.2	87.9
0°-180°	8888.0	100.0

Coefficient of Utilization



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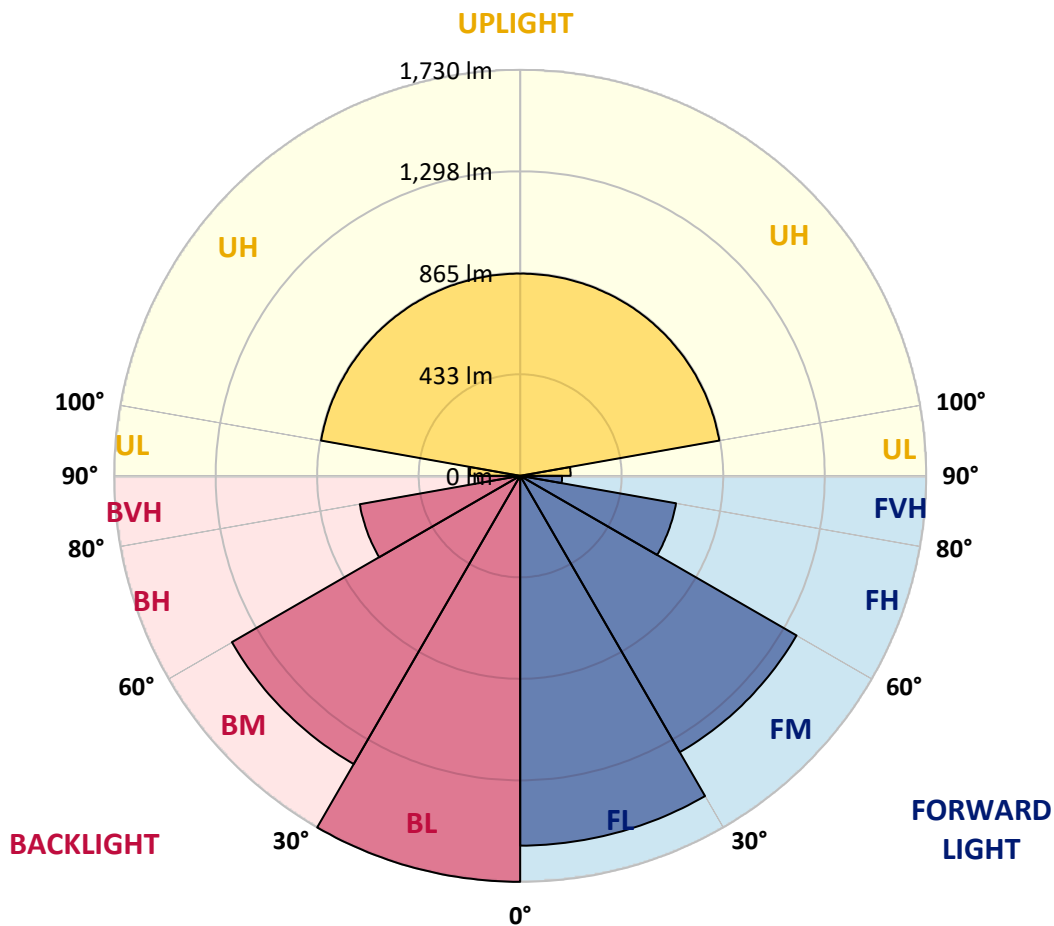
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7040-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1575.7	17.7			
FM	(30°-60°)	1359.9	15.3			
FH	(60°-80°)	674.2	7.6			G1/1800
FVH	(80°-90°)	178.9	2.0			G2/225
BL	(0°-30°)	1730.1	19.5	B3/2500		
BM	(30°-60°)	1418.5	16.0	B2/2500		
BH	(60°-80°)	694.0	7.8	B2/1000		G1/1800
BVH	(80°-90°)	180.1	2.0			G2/225
UL	(90°-100°)	215.1	2.4		U3/500	
UH	(100°-180°)	861.7	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°	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2
2.5°	9195.1	9208.5	9211.8	9195.1	9084.8	9027.9	8967.8	8847.4	8874.1	8857.4	8860.8
5°	8339.1	8392.6	8309.0	8285.6	8118.5	7994.7	7874.4	7744.0	7713.9	7660.4	7680.4
7.5°	7770.7	7800.8	7663.7	7523.3	7255.8	7065.2	6864.6	6664.0	6513.5	6456.6	6480.1
10°	6470.0	6570.3	6433.2	6289.5	6035.3	5808.0	5597.3	5400.0	5263.0	5219.5	5226.2
12.5°	5500.4	5557.2	5440.2	5343.2	5059.0	4841.7	4647.7	4463.8	4353.5	4306.7	4306.7
15°	4858.4	4881.8	4791.5	4604.2	4390.3	4193.0	4029.1	3895.4	3805.1	3788.4	3795.1
17.5°	4373.5	4373.5	4283.3	4136.1	3972.3	3798.4	3684.7	3584.4	3544.3	3557.7	3561.0
20°	4009.1	4012.4	3932.2	3788.4	3648.0	3490.8	3397.2	3327.0	3303.6	3327.0	3330.3
22.5°	3664.7	3681.4	3594.5	3487.5	3333.7	3209.9	3133.0	3056.1	3042.8	3052.8	3052.8
25°	2651.5	2651.5	2621.4	2537.9	2571.3	2584.7	2674.9	2868.9	2828.8	2865.5	2862.2
27.5°	2287.1	2300.5	2240.3	2166.7	2089.8	1999.5	1982.8	1966.1	1949.4	2026.3	2053.0
30°	2019.6	2026.3	1976.1	1926.0	1862.4	1812.3	1798.9	1798.9	1782.2	1842.4	1839.0
32.5°	1765.5	1755.4	1742.1	1695.2	1655.1	1611.7	1621.7	1615.0	1615.0	1668.5	1671.8
35°	1564.8	1561.5	1551.5	1518.0	1477.9	1444.5	1454.5	1461.2	1457.8	1491.3	1491.3
37.5°	1417.7	1421.1	1414.4	1401.0	1360.9	1334.1	1340.8	1334.1	1344.2	1367.6	1367.6
40°	1273.9	1273.9	1277.3	1273.9	1247.2	1237.2	1257.2	1247.2	1270.6	1287.3	1280.6
42.5°	1136.9	1140.2	1146.9	1140.2	1123.5	1113.4	1123.5	1126.8	1160.3	1183.7	1180.3
45°	1049.9	1049.9	1053.3	1049.9	1036.5	1026.5	1026.5	1016.5	1039.9	1053.3	1049.9
47.5°	993.1	993.1	999.8	996.4	989.7	979.7	973.0	959.6	969.7	979.7	969.7
50°	973.0	973.0	986.4	986.4	983.0	973.0	963.0	946.3	949.6	956.3	942.9
52.5°	1003.1	1003.1	1026.5	1036.5	1036.5	1019.8	1006.4	983.0	983.0	989.7	969.7
55°	1066.6	1066.6	1103.4	1123.5	1126.8	1126.8	1110.1	1086.7	1090.0	1103.4	1083.4
57.5°	1043.2	1046.6	1076.7	1103.4	1120.1	1130.2	1130.2	1116.8	1126.8	1160.3	1150.2
60°	932.9	939.6	959.6	983.0	1013.1	1023.2	1023.2	1019.8	1036.5	1076.7	1076.7
62.5°	829.2	832.6	842.6	862.7	879.4	886.1	886.1	872.7	892.8	912.8	906.1
65°	749.0	745.6	765.7	782.4	792.5	802.5	792.5	779.1	789.1	802.5	799.1
67.5°	682.1	682.1	698.8	712.2	718.9	728.9	722.2	715.5	728.9	735.6	728.9
70°	618.6	621.9	635.3	645.3	652.0	662.0	652.0	648.7	662.0	668.7	665.4
72.5°	555.1	558.4	568.4	581.8	588.5	591.8	588.5	585.1	595.2	601.9	601.9
75°	498.2	501.6	508.2	521.6	521.6	528.3	525.0	521.6	531.6	538.3	538.3
77.5°	444.7	451.4	454.7	464.8	468.1	471.5	468.1	468.1	474.8	481.5	484.8
80°	397.9	401.2	404.6	414.6	414.6	418.0	414.6	414.6	421.3	431.3	431.3
82.5°	354.4	357.8	361.1	367.8	364.5	367.8	367.8	367.8	374.5	384.5	384.5
85°	311.0	317.6	317.6	324.3	324.3	324.3	324.3	327.7	331.0	341.1	341.1
87.5°	274.2	277.5	280.9	284.2	284.2	287.6	287.6	290.9	294.2	300.9	304.3
90°	237.4	240.7	244.1	244.1	244.1	247.4	247.4	250.8	254.1	260.8	264.2
92.5°	210.7	214.0	214.0	217.3	217.3	217.3	220.7	224.0	227.4	234.1	234.1
95°	187.2	190.6	190.6	190.6	190.6	193.9	193.9	197.3	200.6	207.3	207.3
97.5°	167.2	167.2	167.2	167.2	167.2	170.5	170.5	173.9	177.2	180.6	180.6
100°	147.1	147.1	147.1	147.1	147.1	147.1	147.1	150.5	150.5	157.2	157.2
102.5°	130.4	130.4	127.1	127.1	127.1	123.7	123.7	127.1	127.1	130.4	130.4
105°	117.0	117.0	117.0	117.0	113.7	113.7	113.7	113.7	113.7	117.0	117.0
107.5°	113.7	113.7	110.3	110.3	110.3	107.0	107.0	107.0	107.0	110.3	110.3
110°	110.3	110.3	110.3	110.3	107.0	107.0	103.7	103.7	103.7	107.0	107.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	113.7	113.7	113.7	110.3	110.3	107.0	107.0	107.0	107.0	107.0	110.3
115°	120.4	117.0	117.0	117.0	117.0	113.7	110.3	110.3	113.7	113.7	113.7
117.5°	130.4	127.1	127.1	130.4	127.1	123.7	120.4	120.4	123.7	123.7	127.1
120°	143.8	140.4	143.8	143.8	143.8	140.4	137.1	133.7	137.1	140.4	140.4
122.5°	160.5	157.2	160.5	163.8	163.8	160.5	153.8	153.8	157.2	160.5	163.8
125°	180.6	180.6	183.9	187.2	190.6	183.9	180.6	177.2	183.9	187.2	187.2
127.5°	204.0	200.6	207.3	217.3	220.7	214.0	207.3	204.0	210.7	217.3	217.3
130°	227.4	224.0	234.1	244.1	250.8	244.1	237.4	234.1	240.7	247.4	247.4
132.5°	247.4	244.1	257.5	270.8	277.5	274.2	267.5	260.8	270.8	277.5	274.2
135°	264.2	264.2	280.9	294.2	300.9	297.6	290.9	284.2	297.6	304.3	297.6
137.5°	274.2	274.2	294.2	307.6	314.3	314.3	311.0	304.3	317.6	321.0	311.0
140°	274.2	277.5	294.2	307.6	311.0	314.3	314.3	311.0	324.3	324.3	314.3
142.5°	264.2	267.5	284.2	297.6	300.9	304.3	307.6	304.3	314.3	314.3	307.6
145°	247.4	250.8	267.5	280.9	280.9	284.2	290.9	287.6	294.2	297.6	290.9
147.5°	224.0	227.4	240.7	247.4	250.8	257.5	264.2	264.2	267.5	270.8	267.5
150°	193.9	193.9	204.0	210.7	214.0	220.7	227.4	230.7	230.7	234.1	230.7
152.5°	153.8	153.8	160.5	167.2	170.5	180.6	183.9	187.2	190.6	193.9	190.6
155°	117.0	117.0	120.4	123.7	127.1	137.1	140.4	143.8	147.1	150.5	147.1
157.5°	83.6	83.6	86.9	90.3	93.6	100.3	103.7	107.0	107.0	110.3	110.3
160°	53.5	56.8	56.8	60.2	60.2	66.9	70.2	70.2	73.6	76.9	76.9
162.5°	26.7	30.1	30.1	33.4	36.8	40.1	43.5	43.5	46.8	46.8	46.8
165°	6.7	10.0	10.0	13.4	13.4	16.7	20.1	20.1	23.4	23.4	23.4
167.5°	0.0	3.3	3.3	3.3	3.3	3.3	3.3	6.7	6.7	6.7	6.7
170°	0.0	0.0	0.0	0.0	3.3	0.0	0.0	3.3	3.3	3.3	3.3
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°	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2	9877.2
2.5°	8951.0	8944.3	9128.3	9275.4	9449.2	9586.3	9720.1	9847.1	9897.3	9894.0	9897.3
5°	7770.7	7887.7	8128.5	8365.9	8646.8	8910.9	9158.3	9322.2	9425.8	9425.8	9435.9
7.5°	6587.1	6774.3	7071.9	7449.7	7871.0	8215.4	8633.4	8927.6	9161.7	9155.0	9198.5
10°	5319.8	5466.9	5764.5	6169.1	6633.9	7031.8	7396.2	7670.4	7897.8	7884.4	7941.2
12.5°	4370.2	4473.8	4731.3	5099.1	5523.8	5908.3	6266.1	6480.1	6640.6	6637.2	6667.3
15°	3811.8	3918.8	4086.0	4340.1	4691.2	5032.2	5390.0	5583.9	5674.2	5664.2	5714.4
17.5°	3584.4	3627.9	3731.5	3902.1	4156.2	4433.7	4717.9	4885.1	4988.8	4975.4	5012.2
20°	3340.3	3380.5	3450.7	3577.7	3758.3	3968.9	4209.7	4393.6	4470.5	4467.2	4490.6
22.5°	3059.5	3079.5	3156.4	3256.7	3387.1	3557.7	3741.6	3908.8	3985.7	3982.3	4005.7
25°	2865.5	2899.0	2945.8	3006.0	3096.2	3230.0	3383.8	3500.8	3571.1	3564.4	3594.5
27.5°	2093.1	2126.6	2150.0	2186.8	2190.1	2300.5	2354.0	2450.9	2514.4	2511.1	2531.2
30°	1839.0	1845.7	1865.8	1915.9	1946.0	2033.0	2140.0	2213.5	2267.0	2287.1	2300.5
32.5°	1678.5	1698.6	1722.0	1745.4	1782.2	1835.7	1919.3	1986.1	2043.0	2053.0	2076.4
35°	1494.6	1508.0	1524.7	1548.1	1571.5	1615.0	1678.5	1732.0	1775.5	1792.2	1805.6
37.5°	1364.2	1367.6	1384.3	1411.0	1431.1	1467.9	1524.7	1564.8	1608.3	1611.7	1625.0
40°	1277.3	1280.6	1297.3	1320.8	1344.2	1367.6	1417.7	1454.5	1484.6	1487.9	1498.0
42.5°	1177.0	1187.0	1193.7	1203.7	1220.4	1240.5	1284.0	1304.0	1324.1	1327.4	1340.8
45°	1039.9	1043.2	1049.9	1059.9	1080.0	1100.1	1130.2	1153.6	1166.9	1166.9	1163.6
47.5°	963.0	966.3	966.3	979.7	996.4	1016.5	1043.2	1063.3	1070.0	1070.0	1070.0
50°	936.2	936.2	929.5	939.6	956.3	969.7	996.4	1013.1	1016.5	1019.8	1023.2
52.5°	956.3	949.6	929.5	939.6	956.3	969.7	996.4	1003.1	1003.1	1009.8	1013.1
55°	1066.6	1056.6	1016.5	1023.2	1043.2	1059.9	1080.0	1083.4	1090.0	1100.1	1096.7
57.5°	1136.9	1143.5	1096.7	1106.8	1143.5	1156.9	1180.3	1177.0	1190.4	1203.7	1207.1
60°	1070.0	1090.0	1053.3	1066.6	1110.1	1116.8	1140.2	1126.8	1146.9	1146.9	1146.9
62.5°	909.5	916.2	896.1	916.2	956.3	956.3	973.0	963.0	969.7	963.0	966.3
65°	795.8	792.5	769.0	795.8	809.2	815.9	829.2	832.6	832.6	825.9	825.9
67.5°	725.6	718.9	698.8	705.5	718.9	722.2	742.3	745.6	742.3	742.3	745.6
70°	662.0	652.0	632.0	635.3	645.3	648.7	665.4	672.1	668.7	665.4	668.7
72.5°	598.5	588.5	568.4	568.4	578.5	585.1	598.5	605.2	598.5	598.5	601.9
75°	538.3	528.3	508.2	508.2	514.9	518.3	535.0	538.3	535.0	531.6	535.0
77.5°	484.8	478.1	458.1	458.1	461.4	464.8	474.8	478.1	474.8	471.5	474.8
80°	434.7	424.6	411.3	407.9	411.3	411.3	421.3	424.6	418.0	418.0	421.3
82.5°	387.9	377.8	364.5	364.5	361.1	364.5	371.1	374.5	371.1	367.8	371.1
85°	344.4	337.7	324.3	321.0	321.0	321.0	327.7	327.7	324.3	324.3	324.3
87.5°	304.3	297.6	284.2	284.2	280.9	284.2	287.6	287.6	284.2	284.2	284.2
90°	264.2	257.5	247.4	247.4	244.1	247.4	250.8	250.8	247.4	247.4	247.4
92.5°	234.1	230.7	220.7	220.7	217.3	220.7	220.7	220.7	217.3	217.3	217.3
95°	207.3	204.0	197.3	193.9	193.9	193.9	193.9	193.9	190.6	190.6	190.6
97.5°	180.6	177.2	170.5	170.5	167.2	170.5	170.5	170.5	167.2	167.2	167.2
100°	157.2	153.8	150.5	150.5	147.1	147.1	147.1	147.1	147.1	147.1	147.1
102.5°	130.4	130.4	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1	127.1
105°	117.0	117.0	117.0	117.0	120.4	120.4	120.4	117.0	117.0	117.0	117.0
107.5°	110.3	110.3	110.3	113.7	113.7	113.7	117.0	110.3	107.0	107.0	107.0
110°	107.0	107.0	110.3	110.3	113.7	113.7	117.0	103.7	100.3	100.3	100.3

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	110.3	110.3	110.3	113.7	117.0	117.0	120.4	103.7	100.3	100.3	100.3
115°	117.0	117.0	117.0	120.4	123.7	127.1	127.1	110.3	103.7	103.7	107.0
117.5°	127.1	127.1	127.1	130.4	137.1	137.1	137.1	117.0	113.7	113.7	113.7
120°	140.4	143.8	143.8	147.1	153.8	157.2	150.5	133.7	113.7	123.7	123.7
122.5°	160.5	163.8	167.2	170.5	180.6	180.6	170.5	153.8	123.7	137.1	140.4
125°	187.2	190.6	193.9	200.6	210.7	210.7	197.3	173.9	140.4	153.8	157.2
127.5°	214.0	220.7	224.0	234.1	247.4	247.4	230.7	200.6	157.2	167.2	170.5
130°	244.1	250.8	257.5	270.8	287.6	280.9	267.5	227.4	170.5	177.2	177.2
132.5°	270.8	280.9	284.2	304.3	321.0	314.3	297.6	244.1	177.2	177.2	173.9
135°	290.9	297.6	300.9	321.0	337.7	327.7	307.6	250.8	173.9	167.2	167.2
137.5°	304.3	311.0	314.3	327.7	341.1	324.3	297.6	237.4	167.2	163.8	160.5
140°	311.0	311.0	311.0	321.0	327.7	307.6	274.2	214.0	150.5	157.2	157.2
142.5°	304.3	300.9	297.6	304.3	307.6	284.2	254.1	190.6	137.1	143.8	143.8
145°	287.6	280.9	277.5	280.9	280.9	254.1	220.7	163.8	120.4	123.7	123.7
147.5°	264.2	254.1	247.4	247.4	244.1	217.3	187.2	137.1	103.7	100.3	100.3
150°	227.4	217.3	210.7	210.7	200.6	177.2	150.5	107.0	83.6	83.6	83.6
152.5°	187.2	177.2	170.5	170.5	160.5	137.1	113.7	80.2	63.5	63.5	63.5
155°	147.1	137.1	130.4	127.1	120.4	103.7	83.6	60.2	46.8	46.8	46.8
157.5°	110.3	103.7	97.0	93.6	86.9	76.9	60.2	43.5	30.1	33.4	33.4
160°	76.9	70.2	66.9	63.5	60.2	50.2	40.1	26.7	16.7	16.7	16.7
162.5°	46.8	43.5	43.5	40.1	36.8	33.4	23.4	13.4	6.7	6.7	6.7
165°	23.4	23.4	20.1	20.1	16.7	13.4	10.0	3.3	0.0	0.0	0.0
167.5°	6.7	6.7	6.7	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0
170°	3.3	3.3	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)