

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: P691629

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7030-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691629
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-C018-5TLD-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: 6810 lumens
Efficiency: N/A
Efficacy: 126.8 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): 53.7
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



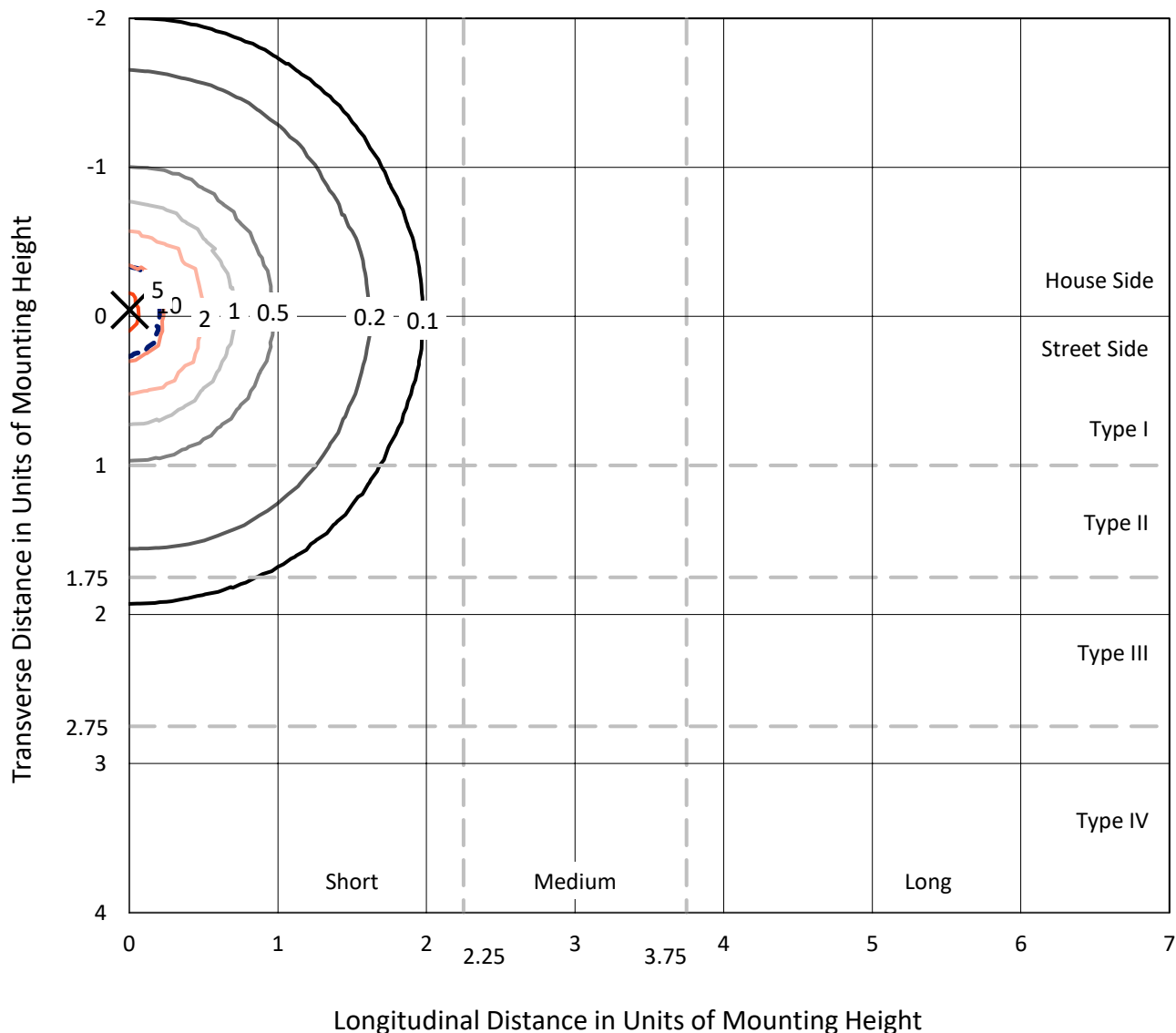
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

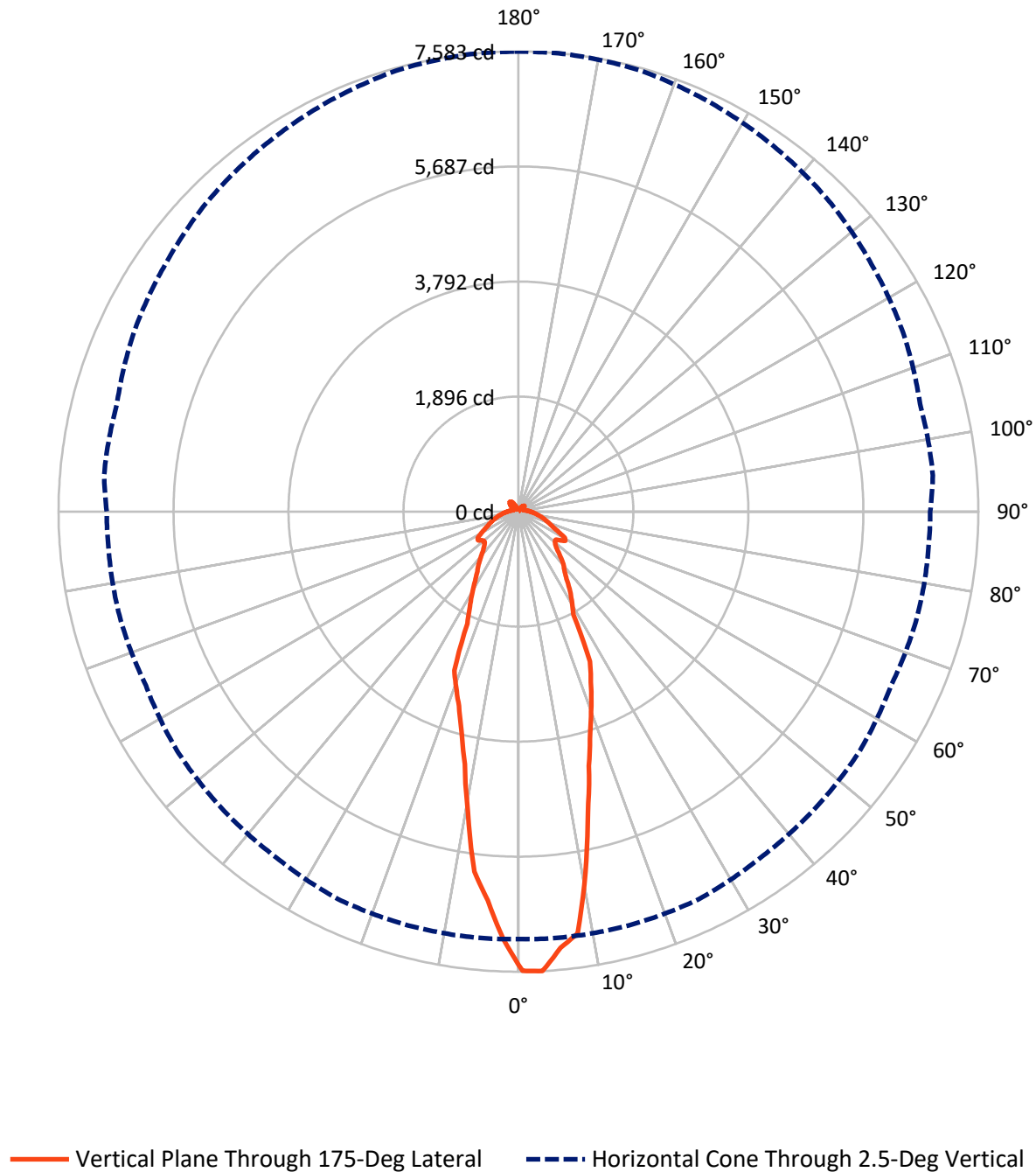


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc

Type V - Short - N/A

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Luminous Intensity Polar Plot



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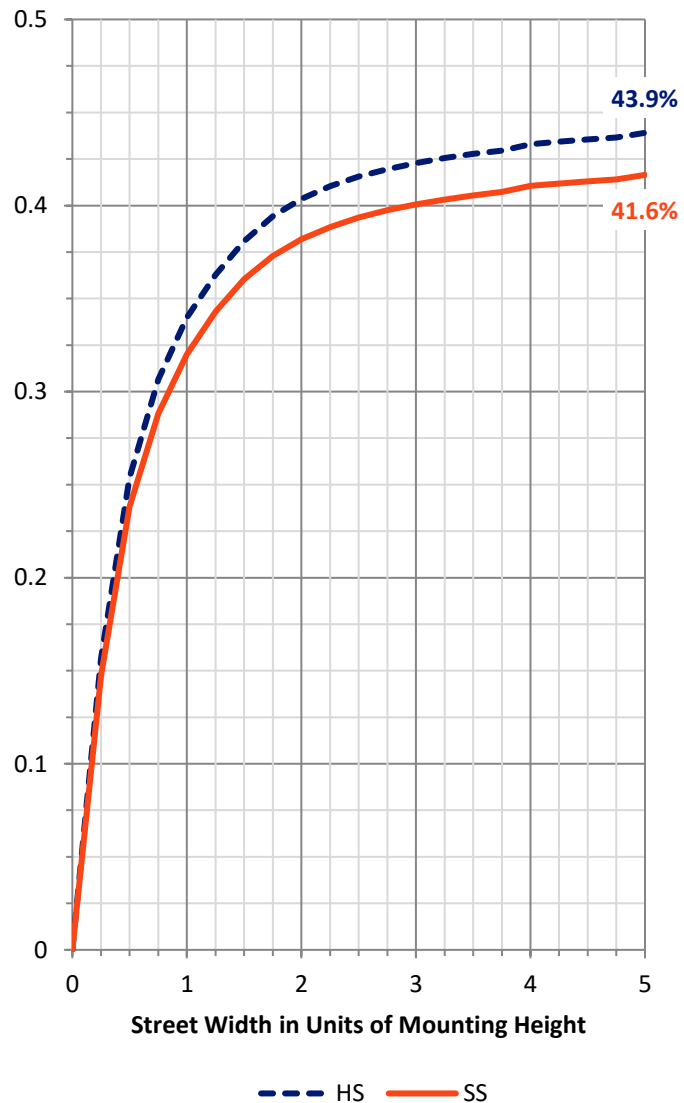
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3082.1	407.2	3489.3
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2902.9	417.9	3320.7
	% Fixture	42.6	6.1	48.8
Total	Lumens	5985.0	825.0	6810.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	563.4	8.3
10°-20°	988.9	14.5
20°-30°	980.6	14.4
30°-40°	755.9	11.1
40°-50°	648.0	9.5
50°-60°	724.8	10.6
60°-70°	621.0	9.1
70°-80°	427.3	6.3
80°-90°	275.1	4.0
90°-100°	164.8	2.4
100°-110°	98.1	1.4
110°-120°	90.8	1.3
120°-130°	129.5	1.9
130°-140°	167.4	2.5
140°-150°	123.9	1.8
150°-160°	45.3	0.7
160°-170°	5.3	0.1
170°-180°	0.0	0.0
0°-90°	5985.0	87.9
0°-180°	6810.0	100.0

Coefficient of Utilization



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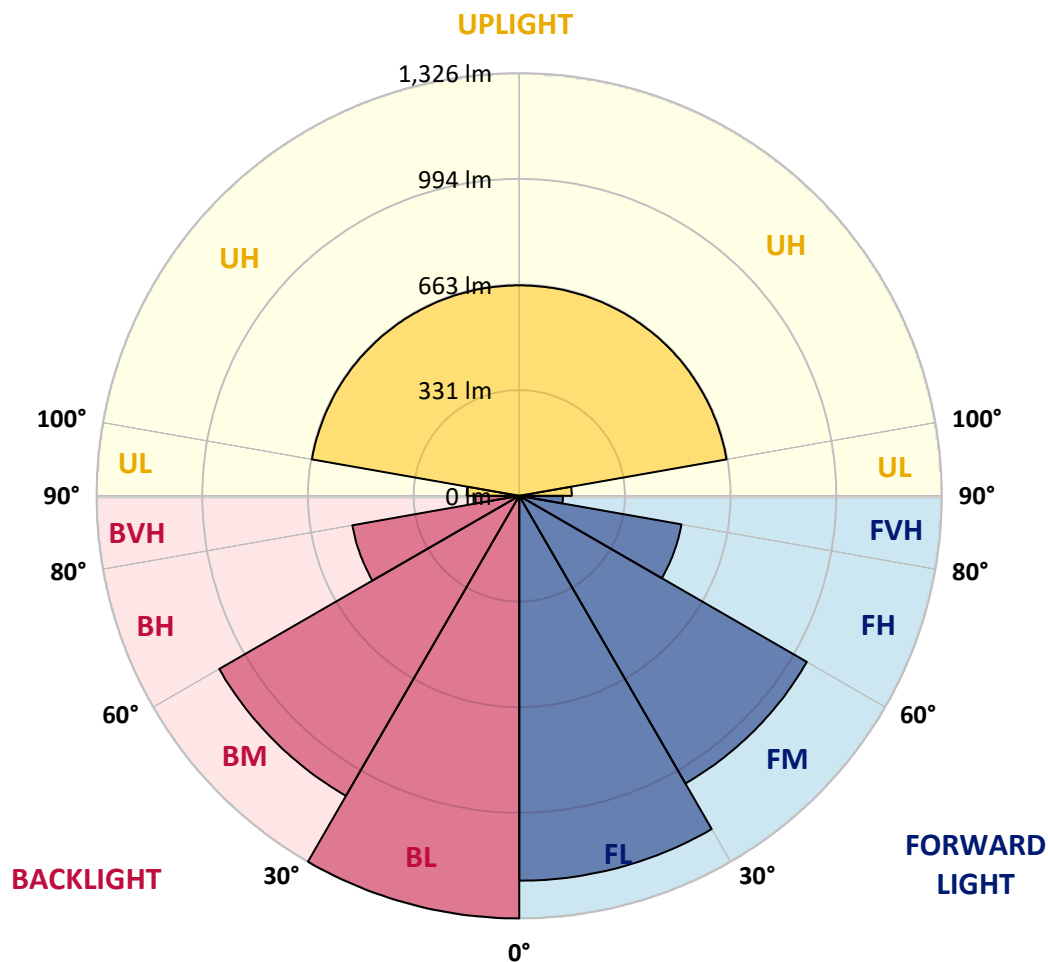
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7030-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1207.3	17.7			
FM	(30°-60°)	1041.9	15.3			
FH	(60°-80°)	516.6	7.6			G0/660
FVH	(80°-90°)	137.1	2.0			G2/225
BL	(0°-30°)	1325.6	19.5	B3/2500		
BM	(30°-60°)	1086.8	16.0	B2/2500		
BH	(60°-80°)	531.7	7.8	B2/1000		G0/660
BVH	(80°-90°)	138.0	2.0			G2/225
UL	(90°-100°)	164.8	2.4		U3/500	
UH	(100°-180°)	660.2	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°	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0
2.5°	7045.3	7055.6	7058.1	7045.3	6960.8	6917.2	6871.1	6778.9	6799.4	6786.6	6789.1
5°	6389.5	6430.5	6366.4	6348.5	6220.4	6125.6	6033.4	5933.4	5910.4	5869.4	5884.8
7.5°	5953.9	5977.0	5872.0	5764.4	5559.4	5413.4	5259.7	5105.9	4990.6	4947.1	4965.0
10°	4957.3	5034.2	4929.2	4819.0	4624.3	4450.1	4288.7	4137.5	4032.5	3999.2	4004.3
12.5°	4214.4	4257.9	4168.3	4094.0	3876.2	3709.7	3561.1	3420.2	3335.6	3299.8	3299.8
15°	3722.5	3740.4	3671.3	3527.8	3363.8	3212.7	3087.1	2984.7	2915.5	2902.7	2907.8
17.5°	3351.0	3351.0	3281.8	3169.1	3043.6	2910.4	2823.3	2746.4	2715.7	2725.9	2728.5
20°	3071.8	3074.3	3012.8	2902.7	2795.1	2674.7	2602.9	2549.1	2531.2	2549.1	2551.7
22.5°	2807.9	2820.7	2754.1	2672.1	2554.2	2459.5	2400.5	2341.6	2331.4	2339.0	2339.0
25°	2031.6	2031.6	2008.6	1944.5	1970.1	1980.4	2049.5	2198.1	2167.4	2195.6	2193.0
27.5°	1752.4	1762.6	1716.5	1660.1	1601.2	1532.0	1519.2	1506.4	1493.6	1552.5	1573.0
30°	1547.4	1552.5	1514.1	1475.7	1427.0	1388.6	1378.3	1378.3	1365.5	1411.6	1409.1
32.5°	1352.7	1345.0	1334.8	1298.9	1268.2	1234.9	1242.5	1237.4	1237.4	1278.4	1281.0
35°	1199.0	1196.4	1188.7	1163.1	1132.4	1106.8	1114.4	1119.6	1117.0	1142.6	1142.6
37.5°	1086.3	1088.8	1083.7	1073.5	1042.7	1022.2	1027.3	1022.2	1029.9	1047.8	1047.8
40°	976.1	976.1	978.7	976.1	955.6	947.9	963.3	955.6	973.5	986.3	981.2
42.5°	871.1	873.6	878.7	873.6	860.8	853.1	860.8	863.4	889.0	906.9	904.4
45°	804.4	804.4	807.0	804.4	794.2	786.5	786.5	778.8	796.8	807.0	804.4
47.5°	760.9	760.9	766.0	763.5	758.3	750.6	745.5	735.3	743.0	750.6	743.0
50°	745.5	745.5	755.8	755.8	753.2	745.5	737.8	725.0	727.6	732.7	722.5
52.5°	768.6	768.6	786.5	794.2	794.2	781.4	771.1	753.2	753.2	758.3	743.0
55°	817.3	817.3	845.4	860.8	863.4	863.4	850.6	832.6	835.2	845.4	830.1
57.5°	799.3	801.9	824.9	845.4	858.2	865.9	865.9	855.7	863.4	889.0	881.3
60°	714.8	719.9	735.3	753.2	776.3	784.0	784.0	781.4	794.2	824.9	824.9
62.5°	635.4	637.9	645.6	661.0	673.8	678.9	678.9	668.7	684.0	699.4	694.3
65°	573.9	571.3	586.7	599.5	607.2	614.9	607.2	596.9	604.6	614.9	612.3
67.5°	522.6	522.6	535.4	545.7	550.8	558.5	553.4	548.3	558.5	563.6	558.5
70°	474.0	476.5	486.8	494.5	499.6	507.3	499.6	497.0	507.3	512.4	509.8
72.5°	425.3	427.8	435.5	445.8	450.9	453.5	450.9	448.3	456.0	461.1	461.1
75°	381.7	384.3	389.4	399.7	399.7	404.8	402.2	399.7	407.3	412.5	412.5
77.5°	340.7	345.9	348.4	356.1	358.7	361.2	358.7	358.7	363.8	368.9	371.5
80°	304.9	307.4	310.0	317.7	317.7	320.2	317.7	317.7	322.8	330.5	330.5
82.5°	271.6	274.1	276.7	281.8	279.3	281.8	281.8	281.8	286.9	294.6	294.6
85°	238.3	243.4	243.4	248.5	248.5	248.5	248.5	251.1	253.6	261.3	261.3
87.5°	210.1	212.6	215.2	217.8	217.8	220.3	220.3	222.9	225.5	230.6	233.1
90°	181.9	184.5	187.0	187.0	187.0	189.6	189.6	192.1	194.7	199.8	202.4
92.5°	161.4	164.0	164.0	166.5	166.5	166.5	169.1	171.6	174.2	179.3	179.3
95°	143.5	146.0	146.0	146.0	146.0	148.6	148.6	151.2	153.7	158.8	158.8
97.5°	128.1	128.1	128.1	128.1	128.1	130.7	130.7	133.2	135.8	138.3	138.3
100°	112.7	112.7	112.7	112.7	112.7	112.7	112.7	115.3	115.3	120.4	120.4
102.5°	99.9	99.9	97.4	97.4	97.4	94.8	94.8	97.4	97.4	99.9	99.9
105°	89.7	89.7	89.7	89.7	87.1	87.1	87.1	87.1	87.1	89.7	89.7
107.5°	87.1	87.1	84.5	84.5	84.5	82.0	82.0	82.0	82.0	84.5	84.5
110°	84.5	84.5	84.5	84.5	82.0	82.0	79.4	79.4	79.4	82.0	82.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	87.1	87.1	87.1	84.5	84.5	82.0	82.0	82.0	82.0	82.0	84.5
115°	92.2	89.7	89.7	89.7	89.7	87.1	84.5	84.5	87.1	87.1	87.1
117.5°	99.9	97.4	97.4	99.9	97.4	94.8	92.2	92.2	94.8	94.8	97.4
120°	110.2	107.6	110.2	110.2	110.2	107.6	105.0	102.5	105.0	107.6	107.6
122.5°	123.0	120.4	123.0	125.5	125.5	123.0	117.8	117.8	120.4	123.0	125.5
125°	138.3	138.3	140.9	143.5	146.0	140.9	138.3	135.8	140.9	143.5	143.5
127.5°	156.3	153.7	158.8	166.5	169.1	164.0	158.8	156.3	161.4	166.5	166.5
130°	174.2	171.6	179.3	187.0	192.1	187.0	181.9	179.3	184.5	189.6	189.6
132.5°	189.6	187.0	197.3	207.5	212.6	210.1	205.0	199.8	207.5	212.6	210.1
135°	202.4	202.4	215.2	225.5	230.6	228.0	222.9	217.8	228.0	233.1	228.0
137.5°	210.1	210.1	225.5	235.7	240.8	240.8	238.3	233.1	243.4	245.9	238.3
140°	210.1	212.6	225.5	235.7	238.3	240.8	240.8	238.3	248.5	248.5	240.8
142.5°	202.4	205.0	217.8	228.0	230.6	233.1	235.7	233.1	240.8	240.8	235.7
145°	189.6	192.1	205.0	215.2	215.2	217.8	222.9	220.3	225.5	228.0	222.9
147.5°	171.6	174.2	184.5	189.6	192.1	197.3	202.4	202.4	205.0	207.5	205.0
150°	148.6	148.6	156.3	161.4	164.0	169.1	174.2	176.8	176.8	179.3	176.8
152.5°	117.8	117.8	123.0	128.1	130.7	138.3	140.9	143.5	146.0	148.6	146.0
155°	89.7	89.7	92.2	94.8	97.4	105.0	107.6	110.2	112.7	115.3	112.7
157.5°	64.0	64.0	66.6	69.2	71.7	76.9	79.4	82.0	82.0	84.5	84.5
160°	41.0	43.6	43.6	46.1	46.1	51.2	53.8	53.8	56.4	58.9	58.9
162.5°	20.5	23.1	23.1	25.6	28.2	30.7	33.3	33.3	35.9	35.9	35.9
165°	5.1	7.7	7.7	10.2	10.2	12.8	15.4	15.4	17.9	17.9	17.9
167.5°	0.0	2.6	2.6	2.6	2.6	2.6	2.6	5.1	5.1	5.1	5.1
170°	0.0	0.0	0.0	0.0	2.6	0.0	0.0	2.6	2.6	2.6	2.6
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°	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0	7568.0
2.5°	6858.3	6853.2	6994.1	7106.8	7240.0	7345.1	7447.5	7544.9	7583.3	7580.8	7583.3
5°	5953.9	6043.6	6228.1	6410.0	6625.2	6827.6	7017.1	7142.7	7222.1	7222.1	7229.8
7.5°	5047.0	5190.5	5418.5	5708.0	6030.8	6294.7	6614.9	6840.4	7019.7	7014.6	7047.9
10°	4076.0	4188.8	4416.8	4726.8	5082.9	5387.7	5667.0	5877.1	6051.3	6041.0	6084.6
12.5°	3348.4	3427.9	3625.1	3906.9	4232.3	4526.9	4801.1	4965.0	5088.0	5085.4	5108.5
15°	2920.6	3002.6	3130.7	3325.4	3594.4	3855.7	4129.8	4278.4	4347.6	4339.9	4378.3
17.5°	2746.4	2779.7	2859.1	2989.8	3184.5	3397.1	3614.9	3743.0	3822.4	3812.2	3840.3
20°	2559.4	2590.1	2643.9	2741.3	2879.6	3041.0	3225.5	3366.4	3425.3	3422.7	3440.7
22.5°	2344.2	2359.5	2418.5	2495.3	2595.2	2725.9	2866.8	2994.9	3053.8	3051.3	3069.2
25°	2195.6	2221.2	2257.1	2303.2	2372.4	2474.8	2592.7	2682.3	2736.1	2731.0	2754.1
27.5°	1603.8	1629.4	1647.3	1675.5	1678.1	1762.6	1803.6	1877.9	1926.6	1924.0	1939.4
30°	1409.1	1414.2	1429.6	1468.0	1491.0	1557.7	1639.6	1696.0	1737.0	1752.4	1762.6
32.5°	1286.1	1301.5	1319.4	1337.3	1365.5	1406.5	1470.6	1521.8	1565.3	1573.0	1591.0
35°	1145.2	1155.4	1168.2	1186.2	1204.1	1237.4	1286.1	1327.1	1360.4	1373.2	1383.4
37.5°	1045.3	1047.8	1060.6	1081.1	1096.5	1124.7	1168.2	1199.0	1232.3	1234.9	1245.1
40°	978.7	981.2	994.0	1012.0	1029.9	1047.8	1086.3	1114.4	1137.5	1140.1	1147.7
42.5°	901.8	909.5	914.6	922.3	935.1	950.5	983.8	999.2	1014.5	1017.1	1027.3
45°	796.8	799.3	804.4	812.1	827.5	842.9	865.9	883.9	894.1	894.1	891.6
47.5°	737.8	740.4	740.4	750.6	763.5	778.8	799.3	814.7	819.8	819.8	819.8
50°	717.3	717.3	712.2	719.9	732.7	743.0	763.5	776.3	778.8	781.4	784.0
52.5°	732.7	727.6	712.2	719.9	732.7	743.0	763.5	768.6	768.6	773.7	776.3
55°	817.3	809.6	778.8	784.0	799.3	812.1	827.5	830.1	835.2	842.9	840.3
57.5°	871.1	876.2	840.3	848.0	876.2	886.4	904.4	901.8	912.0	922.3	924.9
60°	819.8	835.2	807.0	817.3	850.6	855.7	873.6	863.4	878.7	878.7	878.7
62.5°	696.8	702.0	686.6	702.0	732.7	732.7	745.5	737.8	743.0	737.8	740.4
65°	609.7	607.2	589.2	609.7	620.0	625.1	635.4	637.9	637.9	632.8	632.8
67.5°	555.9	550.8	535.4	540.6	550.8	553.4	568.7	571.3	568.7	568.7	571.3
70°	507.3	499.6	484.2	486.8	494.5	497.0	509.8	514.9	512.4	509.8	512.4
72.5°	458.6	450.9	435.5	435.5	443.2	448.3	458.6	463.7	458.6	458.6	461.1
75°	412.5	404.8	389.4	389.4	394.5	397.1	409.9	412.5	409.9	407.3	409.9
77.5°	371.5	366.4	351.0	351.0	353.5	356.1	363.8	366.4	363.8	361.2	363.8
80°	333.1	325.4	315.1	312.6	315.1	315.1	322.8	325.4	320.2	320.2	322.8
82.5°	297.2	289.5	279.3	279.3	276.7	279.3	284.4	286.9	284.4	281.8	284.4
85°	263.9	258.8	248.5	245.9	245.9	245.9	251.1	251.1	248.5	248.5	248.5
87.5°	233.1	228.0	217.8	217.8	215.2	217.8	220.3	220.3	217.8	217.8	217.8
90°	202.4	197.3	189.6	189.6	187.0	189.6	192.1	192.1	189.6	189.6	189.6
92.5°	179.3	176.8	169.1	169.1	166.5	169.1	169.1	169.1	166.5	166.5	166.5
95°	158.8	156.3	151.2	148.6	148.6	148.6	148.6	148.6	146.0	146.0	146.0
97.5°	138.3	135.8	130.7	130.7	128.1	130.7	130.7	130.7	128.1	128.1	128.1
100°	120.4	117.8	115.3	115.3	112.7	112.7	112.7	112.7	112.7	112.7	112.7
102.5°	99.9	99.9	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4	97.4
105°	89.7	89.7	89.7	89.7	92.2	92.2	92.2	89.7	89.7	89.7	89.7
107.5°	84.5	84.5	84.5	87.1	87.1	87.1	89.7	84.5	82.0	82.0	82.0
110°	82.0	82.0	84.5	84.5	87.1	87.1	89.7	79.4	76.9	76.9	76.9

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	84.5	84.5	84.5	87.1	89.7	89.7	92.2	79.4	76.9	76.9	76.9
115°	89.7	89.7	89.7	92.2	94.8	97.4	97.4	84.5	79.4	79.4	82.0
117.5°	97.4	97.4	97.4	99.9	105.0	105.0	105.0	89.7	87.1	87.1	87.1
120°	107.6	110.2	110.2	112.7	117.8	120.4	115.3	102.5	87.1	94.8	94.8
122.5°	123.0	125.5	128.1	130.7	138.3	138.3	130.7	117.8	94.8	105.0	107.6
125°	143.5	146.0	148.6	153.7	161.4	161.4	151.2	133.2	107.6	117.8	120.4
127.5°	164.0	169.1	171.6	179.3	189.6	189.6	176.8	153.7	120.4	128.1	130.7
130°	187.0	192.1	197.3	207.5	220.3	215.2	205.0	174.2	130.7	135.8	135.8
132.5°	207.5	215.2	217.8	233.1	245.9	240.8	228.0	187.0	135.8	135.8	133.2
135°	222.9	228.0	230.6	245.9	258.8	251.1	235.7	192.1	133.2	128.1	128.1
137.5°	233.1	238.3	240.8	251.1	261.3	248.5	228.0	181.9	128.1	125.5	123.0
140°	238.3	238.3	238.3	245.9	251.1	235.7	210.1	164.0	128.1	120.4	120.4
142.5°	233.1	230.6	228.0	233.1	235.7	217.8	194.7	146.0	120.4	110.2	110.2
145°	220.3	215.2	212.6	215.2	215.2	194.7	169.1	125.5	110.2	94.8	94.8
147.5°	202.4	194.7	189.6	189.6	187.0	166.5	143.5	105.0	94.8	76.9	76.9
150°	174.2	166.5	161.4	161.4	153.7	135.8	115.3	82.0	76.9	64.0	64.0
152.5°	143.5	135.8	130.7	130.7	123.0	105.0	87.1	61.5	64.0	48.7	48.7
155°	112.7	105.0	99.9	97.4	92.2	79.4	64.0	46.1	48.7	35.9	35.9
157.5°	84.5	79.4	74.3	71.7	66.6	58.9	46.1	33.3	35.9	25.6	25.6
160°	58.9	53.8	51.2	48.7	46.1	38.4	30.7	20.5	25.6	12.8	12.8
162.5°	35.9	33.3	33.3	30.7	28.2	25.6	17.9	10.2	12.8	5.1	5.1
165°	17.9	17.9	15.4	15.4	12.8	10.2	7.7	2.6	5.1	0.0	0.0
167.5°	5.1	5.1	5.1	2.6	2.6	2.6	2.6	0.0	0.0	0.0	0.0
170°	2.6	2.6	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)