

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: P690907

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7050-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690907
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-C01-5TLD-U-T5R-7050-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7747 lumens
Efficiency: N/A
Efficacy: 129.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type V - Short
BUG Rating: B3 - U4 - G2

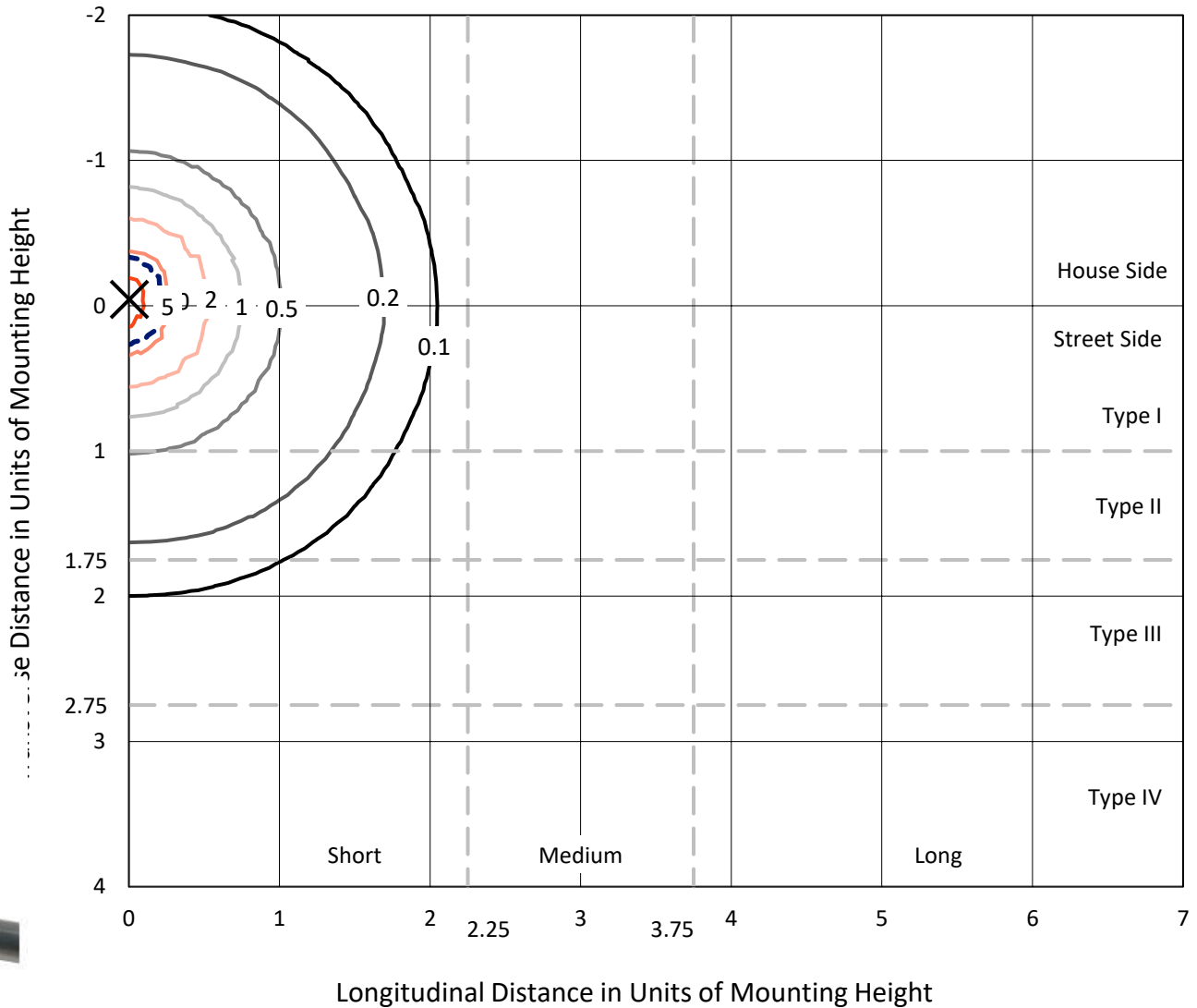
Input Watts (W): 60
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

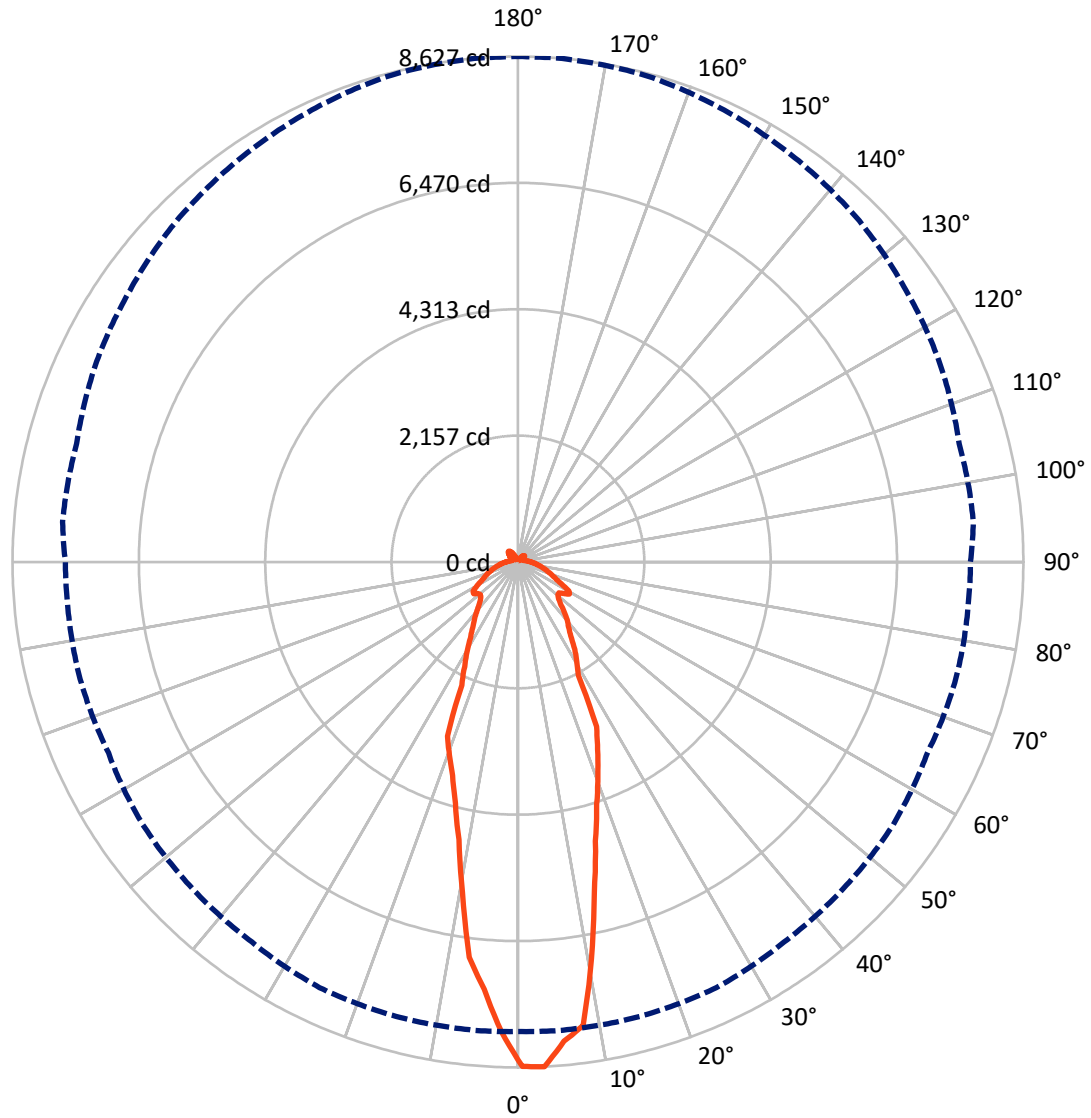
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 175-Deg Lateral - - - Horizontal Cone Through 2.5-Deg Vertical

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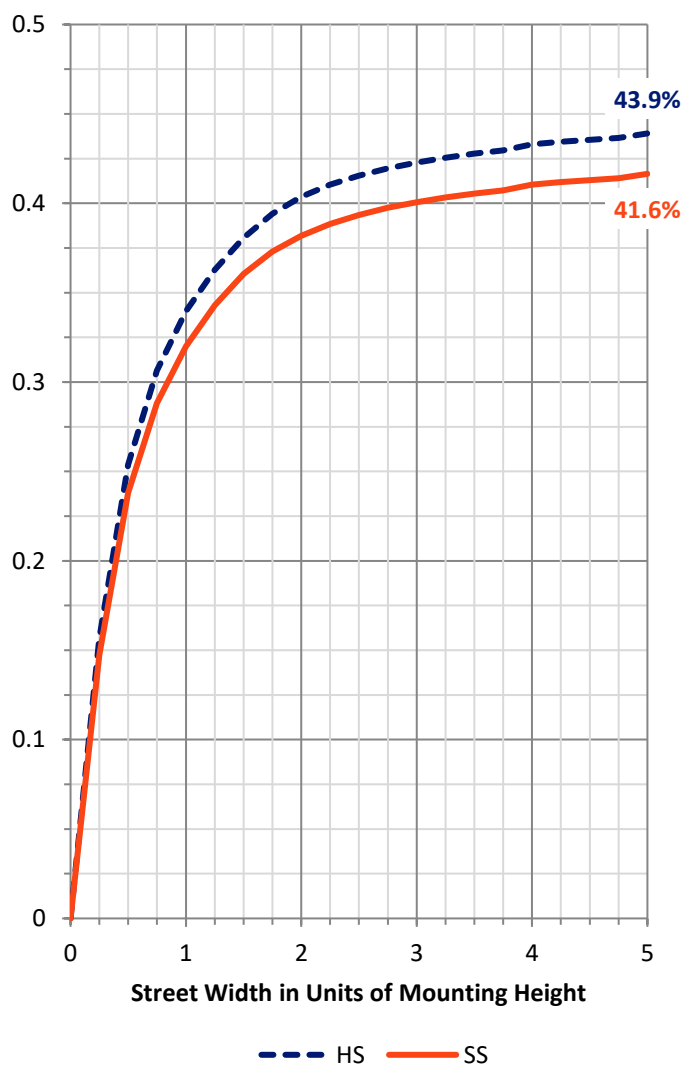
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3506.2	463.2	3969.3
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	3302.3	475.4	3777.7
	% Fixture	42.6	6.1	48.8
Total	Lumens	6808.4	938.5	7747.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	640.9	8.3
10°-20°	1124.9	14.5
20°-30°	1115.5	14.4
30°-40°	859.9	11.1
40°-50°	737.2	9.5
50°-60°	824.5	10.6
60°-70°	706.4	9.1
70°-80°	486.1	6.3
80°-90°	312.9	4.0
90°-100°	187.5	2.4
100°-110°	111.5	1.4
110°-120°	103.2	1.3
120°-130°	147.4	1.9
130°-140°	190.4	2.5
140°-150°	141.0	1.8
150°-160°	51.5	0.7
160°-170°	6.0	0.1
170°-180°	0.0	0.0
0°-90°	6808.4	87.9
0°-180°	7747.0	100.0

Coefficient of Utilization



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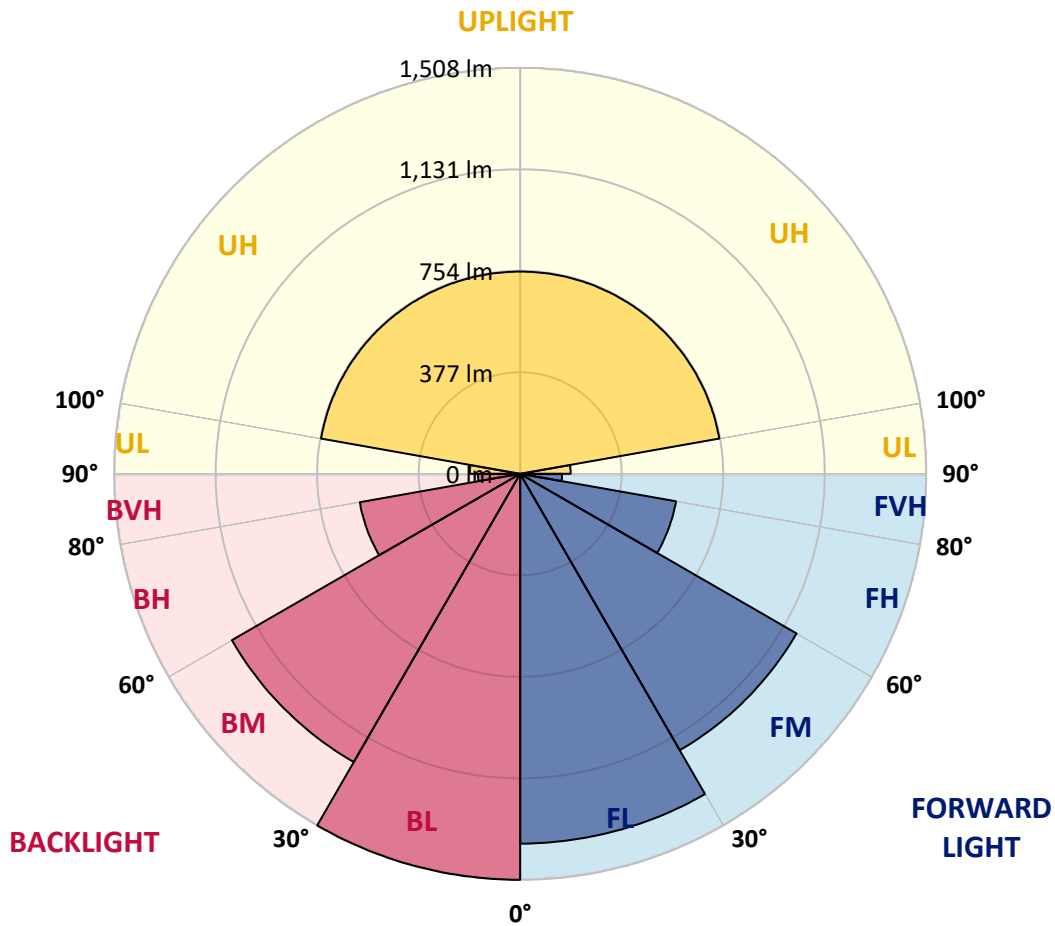
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7050-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1373.4	17.7			
FM (30°-60°)	1185.3	15.3			
FH (60°-80°)	587.6	7.6			G0/660
FVH (80°-90°)	156.0	2.0			G2/225
BL (0°-30°)	1508.0	19.5	B3/2500		
BM (30°-60°)	1236.4	16.0	B2/2500		
BH (60°-80°)	604.9	7.8	B2/1000		G0/660
BVH (80°-90°)	156.9	2.0			G2/225
UL (90°-100°)	187.5	2.4		U3/500	
UH (100°-180°)	751.1	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°	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2
2.5°	8014.7	8026.4	8029.3	8014.7	7918.5	7869.0	7816.5	7711.6	7734.9	7720.3	7723.3
5°	7268.6	7315.2	7242.4	7222.0	7076.2	6968.4	6863.5	6749.8	6723.6	6677.0	6694.5
7.5°	6773.1	6799.4	6679.9	6557.5	6324.3	6158.2	5983.3	5808.5	5677.3	5627.8	5648.2
10°	5639.4	5726.9	5607.4	5482.1	5260.6	5062.4	4878.8	4706.8	4587.3	4549.4	4555.3
12.5°	4794.2	4843.8	4741.8	4657.3	4409.5	4220.1	4051.1	3890.8	3794.6	3753.8	3753.8
15°	4234.7	4255.1	4176.4	4013.2	3826.7	3654.7	3511.9	3395.3	3316.6	3302.1	3307.9
17.5°	3812.1	3812.1	3733.4	3605.2	3462.3	3310.8	3211.7	3124.3	3089.3	3101.0	3103.9
20°	3494.4	3497.3	3427.4	3302.1	3179.6	3042.7	2961.1	2899.9	2879.5	2899.9	2902.8
22.5°	3194.2	3208.8	3133.0	3039.8	2905.7	2797.9	2730.8	2663.8	2652.1	2660.9	2660.9
25°	2311.1	2311.1	2284.9	2212.1	2241.2	2252.9	2331.5	2500.6	2465.6	2497.7	2494.8
27.5°	1993.5	2005.1	1952.7	1888.6	1821.5	1742.8	1728.3	1713.7	1699.1	1766.1	1789.5
30°	1760.3	1766.1	1722.4	1678.7	1623.3	1579.6	1568.0	1568.0	1553.4	1605.9	1602.9
32.5°	1538.8	1530.1	1518.4	1477.6	1442.6	1404.8	1413.5	1407.7	1407.7	1454.3	1457.2
35°	1364.0	1361.0	1352.3	1323.2	1288.2	1259.0	1267.8	1273.6	1270.7	1299.8	1299.8
37.5°	1235.7	1238.6	1232.8	1221.1	1186.2	1162.9	1168.7	1162.9	1171.6	1192.0	1192.0
40°	1110.4	1110.4	1113.3	1110.4	1087.1	1078.3	1095.8	1087.1	1107.5	1122.1	1116.2
42.5°	990.9	993.8	999.7	993.8	979.3	970.5	979.3	982.2	1011.3	1031.7	1028.8
45°	915.1	915.1	918.0	915.1	903.5	894.7	894.7	886.0	906.4	918.0	915.1
47.5°	865.6	865.6	871.4	868.5	862.7	853.9	848.1	836.4	845.2	853.9	845.2
50°	848.1	848.1	859.8	859.8	856.8	848.1	839.4	824.8	827.7	833.5	821.9
52.5°	874.3	874.3	894.7	903.5	903.5	888.9	877.2	856.8	856.8	862.7	845.2
55°	929.7	929.7	961.8	979.3	982.2	982.2	967.6	947.2	950.1	961.8	944.3
57.5°	909.3	912.2	938.4	961.8	976.3	985.1	985.1	973.4	982.2	1011.3	1002.6
60°	813.1	819.0	836.4	856.8	883.1	891.8	891.8	888.9	903.5	938.4	938.4
62.5°	722.8	725.7	734.4	751.9	766.5	772.3	772.3	760.7	778.2	795.6	789.8
65°	652.8	649.9	667.4	682.0	690.7	699.5	690.7	679.1	687.8	699.5	696.6
67.5°	594.5	594.5	609.1	620.8	626.6	635.3	629.5	623.7	635.3	641.2	635.3
70°	539.2	542.1	553.7	562.5	568.3	577.1	568.3	565.4	577.1	582.9	580.0
72.5°	483.8	486.7	495.5	507.1	512.9	515.9	512.9	510.0	518.8	524.6	524.6
75°	434.3	437.2	443.0	454.7	454.7	460.5	457.6	454.7	463.4	469.2	469.2
77.5°	387.6	393.4	396.4	405.1	408.0	410.9	408.0	408.0	413.8	419.7	422.6
80°	346.8	349.7	352.6	361.4	361.4	364.3	361.4	361.4	367.2	376.0	376.0
82.5°	308.9	311.8	314.8	320.6	317.7	320.6	320.6	320.6	326.4	335.2	335.2
85°	271.0	276.9	276.9	282.7	282.7	282.7	282.7	285.6	288.5	297.3	297.3
87.5°	239.0	241.9	244.8	247.7	247.7	250.6	250.6	253.6	256.5	262.3	265.2
90°	206.9	209.8	212.8	212.8	212.8	215.7	215.7	218.6	221.5	227.3	230.2
92.5°	183.6	186.5	186.5	189.4	189.4	189.4	192.4	195.3	198.2	204.0	204.0
95°	163.2	166.1	166.1	166.1	166.1	169.0	169.0	172.0	174.9	180.7	180.7
97.5°	145.7	145.7	145.7	145.7	145.7	148.6	148.6	151.6	154.5	157.4	157.4
100°	128.2	128.2	128.2	128.2	128.2	128.2	128.2	131.1	131.1	137.0	137.0
102.5°	113.7	113.7	110.7	110.7	110.7	107.8	107.8	110.7	110.7	113.7	113.7
105°	102.0	102.0	102.0	102.0	99.1	99.1	99.1	99.1	99.1	102.0	102.0
107.5°	99.1	99.1	96.2	96.2	96.2	93.3	93.3	93.3	93.3	96.2	96.2
110°	96.2	96.2	96.2	96.2	93.3	93.3	90.3	90.3	90.3	93.3	93.3



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	99.1	99.1	99.1	96.2	96.2	93.3	93.3	93.3	93.3	93.3	96.2
115°	104.9	102.0	102.0	102.0	102.0	99.1	96.2	96.2	99.1	99.1	99.1
117.5°	113.7	110.7	110.7	113.7	110.7	107.8	104.9	104.9	107.8	107.8	110.7
120°	125.3	122.4	125.3	125.3	125.3	122.4	119.5	116.6	119.5	122.4	122.4
122.5°	139.9	137.0	139.9	142.8	142.8	139.9	134.1	134.1	137.0	139.9	142.8
125°	157.4	157.4	160.3	163.2	166.1	160.3	157.4	154.5	160.3	163.2	163.2
127.5°	177.8	174.9	180.7	189.4	192.4	186.5	180.7	177.8	183.6	189.4	189.4
130°	198.2	195.3	204.0	212.8	218.6	212.8	206.9	204.0	209.8	215.7	215.7
132.5°	215.7	212.8	224.4	236.1	241.9	239.0	233.2	227.3	236.1	241.9	239.0
135°	230.2	230.2	244.8	256.5	262.3	259.4	253.6	247.7	259.4	265.2	259.4
137.5°	239.0	239.0	256.5	268.1	274.0	274.0	271.0	265.2	276.9	279.8	271.0
140°	239.0	241.9	256.5	268.1	271.0	274.0	274.0	271.0	282.7	282.7	274.0
142.5°	230.2	233.2	247.7	259.4	262.3	265.2	268.1	265.2	274.0	274.0	268.1
145°	215.7	218.6	233.2	244.8	244.8	247.7	253.6	250.6	256.5	259.4	253.6
147.5°	195.3	198.2	209.8	215.7	218.6	224.4	230.2	230.2	233.2	236.1	233.2
150°	169.0	169.0	177.8	183.6	186.5	192.4	198.2	201.1	201.1	204.0	201.1
152.5°	134.1	134.1	139.9	145.7	148.6	157.4	160.3	163.2	166.1	169.0	166.1
155°	102.0	102.0	104.9	107.8	110.7	119.5	122.4	125.3	128.2	131.1	128.2
157.5°	72.9	72.9	75.8	78.7	81.6	87.4	90.3	93.3	93.3	96.2	96.2
160°	46.6	49.5	49.5	52.5	52.5	58.3	61.2	61.2	64.1	67.0	67.0
162.5°	23.3	26.2	26.2	29.1	32.1	35.0	37.9	37.9	40.8	40.8	40.8
165°	5.8	8.7	8.7	11.7	11.7	14.6	17.5	17.5	20.4	20.4	20.4
167.5°	0.0	2.9	2.9	2.9	2.9	2.9	2.9	5.8	5.8	5.8	5.8
170°	0.0	0.0	0.0	0.0	2.9	0.0	0.0	2.9	2.9	2.9	2.9
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°	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2	8609.2
2.5°	7801.9	7796.1	7956.4	8084.6	8236.2	8355.7	8472.3	8583.0	8626.7	8623.8	8626.7
5°	6773.1	6875.2	7085.0	7291.9	7536.7	7767.0	7982.6	8125.4	8215.8	8215.8	8224.5
7.5°	5741.4	5904.6	6164.0	6493.4	6860.6	7160.8	7525.1	7781.5	7985.6	7979.7	8017.6
10°	4636.9	4765.1	5024.5	5377.1	5782.2	6129.1	6446.7	6685.7	6883.9	6872.2	6921.8
12.5°	3809.2	3899.5	4123.9	4444.5	4814.6	5149.8	5461.7	5648.2	5788.1	5785.2	5811.4
15°	3322.5	3415.7	3561.4	3782.9	4089.0	4386.2	4698.1	4867.1	4945.8	4937.1	4980.8
17.5°	3124.3	3162.2	3252.5	3401.1	3622.6	3864.5	4112.3	4258.0	4348.3	4336.7	4368.7
20°	2911.5	2946.5	3007.7	3118.4	3275.8	3459.4	3669.3	3829.6	3896.6	3893.7	3914.1
22.5°	2666.7	2684.2	2751.2	2838.7	2952.3	3101.0	3261.3	3407.0	3474.0	3471.1	3491.5
25°	2497.7	2526.8	2567.6	2620.1	2698.8	2815.3	2949.4	3051.4	3112.6	3106.8	3133.0
27.5°	1824.4	1853.6	1874.0	1906.0	1909.0	2005.1	2051.8	2136.3	2191.7	2188.7	2206.2
30°	1602.9	1608.8	1626.3	1670.0	1696.2	1772.0	1865.2	1929.4	1976.0	1993.5	2005.1
32.5°	1463.0	1480.5	1500.9	1521.3	1553.4	1600.0	1672.9	1731.2	1780.7	1789.5	1809.9
35°	1302.8	1314.4	1329.0	1349.4	1369.8	1407.7	1463.0	1509.7	1547.6	1562.1	1573.8
37.5°	1189.1	1192.0	1206.6	1229.9	1247.4	1279.4	1329.0	1364.0	1401.8	1404.8	1416.4
40°	1113.3	1116.2	1130.8	1151.2	1171.6	1192.0	1235.7	1267.8	1294.0	1296.9	1305.7
42.5°	1025.9	1034.6	1040.5	1049.2	1063.8	1081.3	1119.1	1136.6	1154.1	1157.0	1168.7
45°	906.4	909.3	915.1	923.9	941.4	958.8	985.1	1005.5	1017.1	1017.1	1014.2
47.5°	839.4	842.3	842.3	853.9	868.5	886.0	909.3	926.8	932.6	932.6	932.6
50°	816.0	816.0	810.2	819.0	833.5	845.2	868.5	883.1	886.0	888.9	891.8
52.5°	833.5	827.7	810.2	819.0	833.5	845.2	868.5	874.3	874.3	880.2	883.1
55°	929.7	921.0	886.0	891.8	909.3	923.9	941.4	944.3	950.1	958.8	955.9
57.5°	990.9	996.7	955.9	964.7	996.7	1008.4	1028.8	1025.9	1037.5	1049.2	1052.1
60°	932.6	950.1	918.0	929.7	967.6	973.4	993.8	982.2	999.7	999.7	999.7
62.5°	792.7	798.6	781.1	798.6	833.5	833.5	848.1	839.4	845.2	839.4	842.3
65°	693.6	690.7	670.3	693.6	705.3	711.1	722.8	725.7	725.7	719.9	719.9
67.5°	632.4	626.6	609.1	614.9	626.6	629.5	647.0	649.9	647.0	647.0	649.9
70°	577.1	568.3	550.8	553.7	562.5	565.4	580.0	585.8	582.9	580.0	582.9
72.5°	521.7	512.9	495.5	495.5	504.2	510.0	521.7	527.5	521.7	521.7	524.6
75°	469.2	460.5	443.0	443.0	448.8	451.7	466.3	469.2	466.3	463.4	466.3
77.5°	422.6	416.8	399.3	399.3	402.2	405.1	413.8	416.8	413.8	410.9	413.8
80°	378.9	370.1	358.5	355.6	358.5	358.5	367.2	370.1	364.3	364.3	367.2
82.5°	338.1	329.3	317.7	317.7	314.8	317.7	323.5	326.4	323.5	320.6	323.5
85°	300.2	294.4	282.7	279.8	279.8	279.8	285.6	285.6	282.7	282.7	282.7
87.5°	265.2	259.4	247.7	247.7	244.8	247.7	250.6	250.6	247.7	247.7	247.7
90°	230.2	224.4	215.7	215.7	212.8	215.7	218.6	218.6	215.7	215.7	215.7
92.5°	204.0	201.1	192.4	192.4	189.4	192.4	192.4	192.4	189.4	189.4	189.4
95°	180.7	177.8	172.0	169.0	169.0	169.0	169.0	169.0	166.1	166.1	166.1
97.5°	157.4	154.5	148.6	148.6	145.7	148.6	148.6	148.6	145.7	145.7	145.7
100°	137.0	134.1	131.1	131.1	128.2	128.2	128.2	128.2	128.2	128.2	128.2
102.5°	113.7	113.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7	110.7
105°	102.0	102.0	102.0	102.0	104.9	104.9	104.9	102.0	102.0	102.0	102.0
107.5°	96.2	96.2	96.2	99.1	99.1	99.1	102.0	96.2	93.3	93.3	93.3
110°	93.3	93.3	96.2	96.2	99.1	99.1	102.0	90.3	87.4	87.4	87.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	96.2	96.2	96.2	99.1	102.0	102.0	104.9	90.3	87.4	87.4	87.4
115°	102.0	102.0	102.0	104.9	107.8	110.7	110.7	96.2	90.3	90.3	93.3
117.5°	110.7	110.7	110.7	113.7	119.5	119.5	119.5	102.0	99.1	99.1	99.1
120°	122.4	125.3	125.3	128.2	134.1	137.0	131.1	116.6	99.1	107.8	107.8
122.5°	139.9	142.8	145.7	148.6	157.4	157.4	148.6	134.1	107.8	119.5	122.4
125°	163.2	166.1	169.0	174.9	183.6	183.6	172.0	151.6	122.4	134.1	137.0
127.5°	186.5	192.4	195.3	204.0	215.7	215.7	201.1	174.9	137.0	145.7	148.6
130°	212.8	218.6	224.4	236.1	250.6	244.8	233.2	198.2	148.6	154.5	154.5
132.5°	236.1	244.8	247.7	265.2	279.8	274.0	259.4	212.8	154.5	154.5	151.6
135°	253.6	259.4	262.3	279.8	294.4	285.6	268.1	218.6	151.6	145.7	145.7
137.5°	265.2	271.0	274.0	285.6	297.3	282.7	259.4	206.9	145.7	142.8	139.9
140°	271.0	271.0	271.0	279.8	285.6	268.1	239.0	186.5	131.1	137.0	137.0
142.5°	265.2	262.3	259.4	265.2	268.1	247.7	221.5	166.1	119.5	125.3	125.3
145°	250.6	244.8	241.9	244.8	244.8	221.5	192.4	142.8	104.9	107.8	107.8
147.5°	230.2	221.5	215.7	215.7	212.8	189.4	163.2	119.5	90.3	87.4	87.4
150°	198.2	189.4	183.6	183.6	174.9	154.5	131.1	93.3	72.9	72.9	72.9
152.5°	163.2	154.5	148.6	148.6	139.9	119.5	99.1	69.9	55.4	55.4	55.4
155°	128.2	119.5	113.7	110.7	104.9	90.3	72.9	52.5	40.8	40.8	40.8
157.5°	96.2	90.3	84.5	81.6	75.8	67.0	52.5	37.9	26.2	29.1	29.1
160°	67.0	61.2	58.3	55.4	52.5	43.7	35.0	23.3	14.6	14.6	14.6
162.5°	40.8	37.9	37.9	35.0	32.1	29.1	20.4	11.7	5.8	5.8	5.8
165°	20.4	20.4	17.5	17.5	14.6	11.7	8.7	2.9	0.0	0.0	0.0
167.5°	5.8	5.8	5.8	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
170°	2.9	2.9	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)