

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: P691797

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-7050-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691797
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-16)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND NEMA REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7750 lumens
Efficiency: N/A
Efficacy: 103.5 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 (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

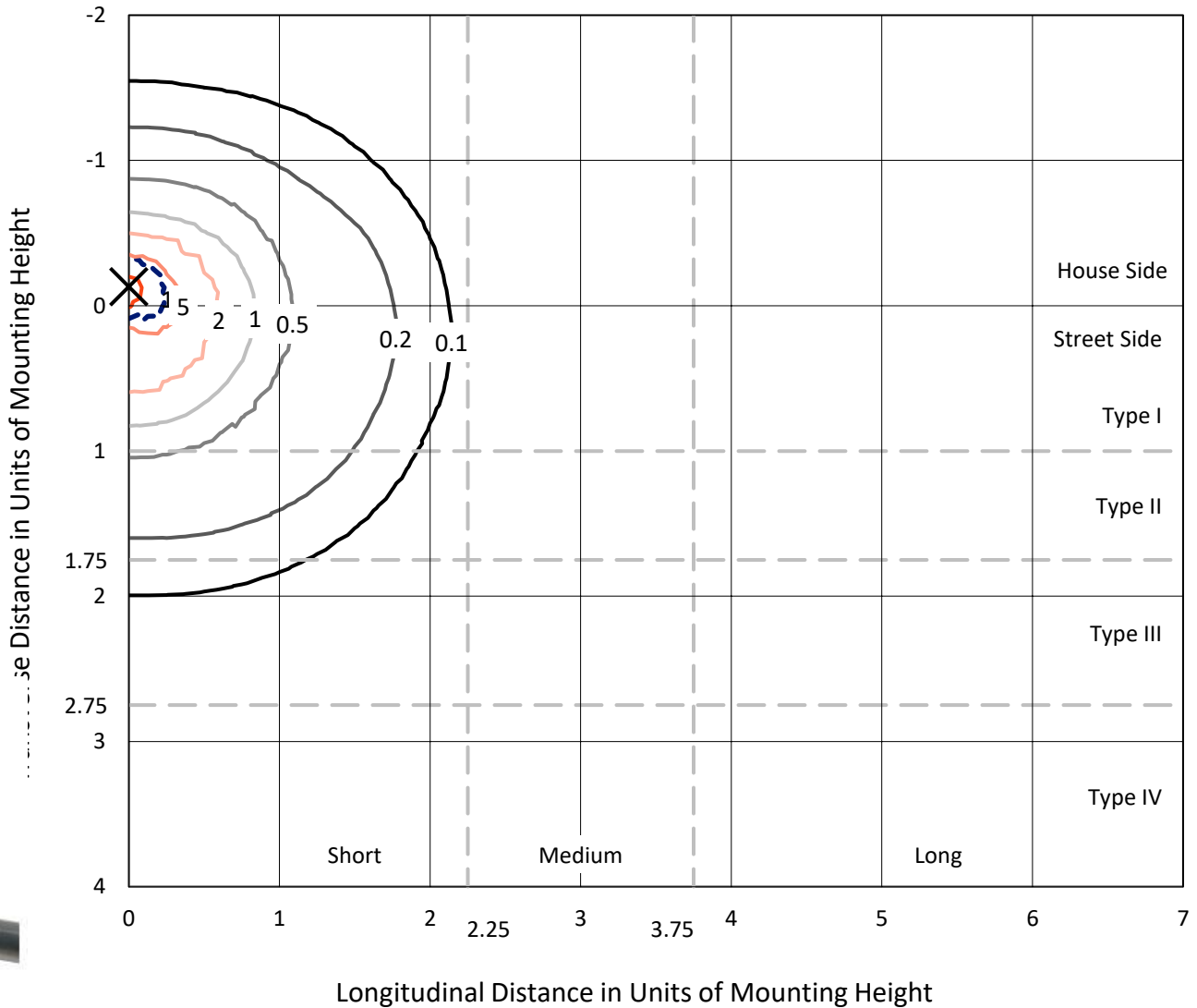


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Iso-Footcandle Lines of Horizontal Illumination

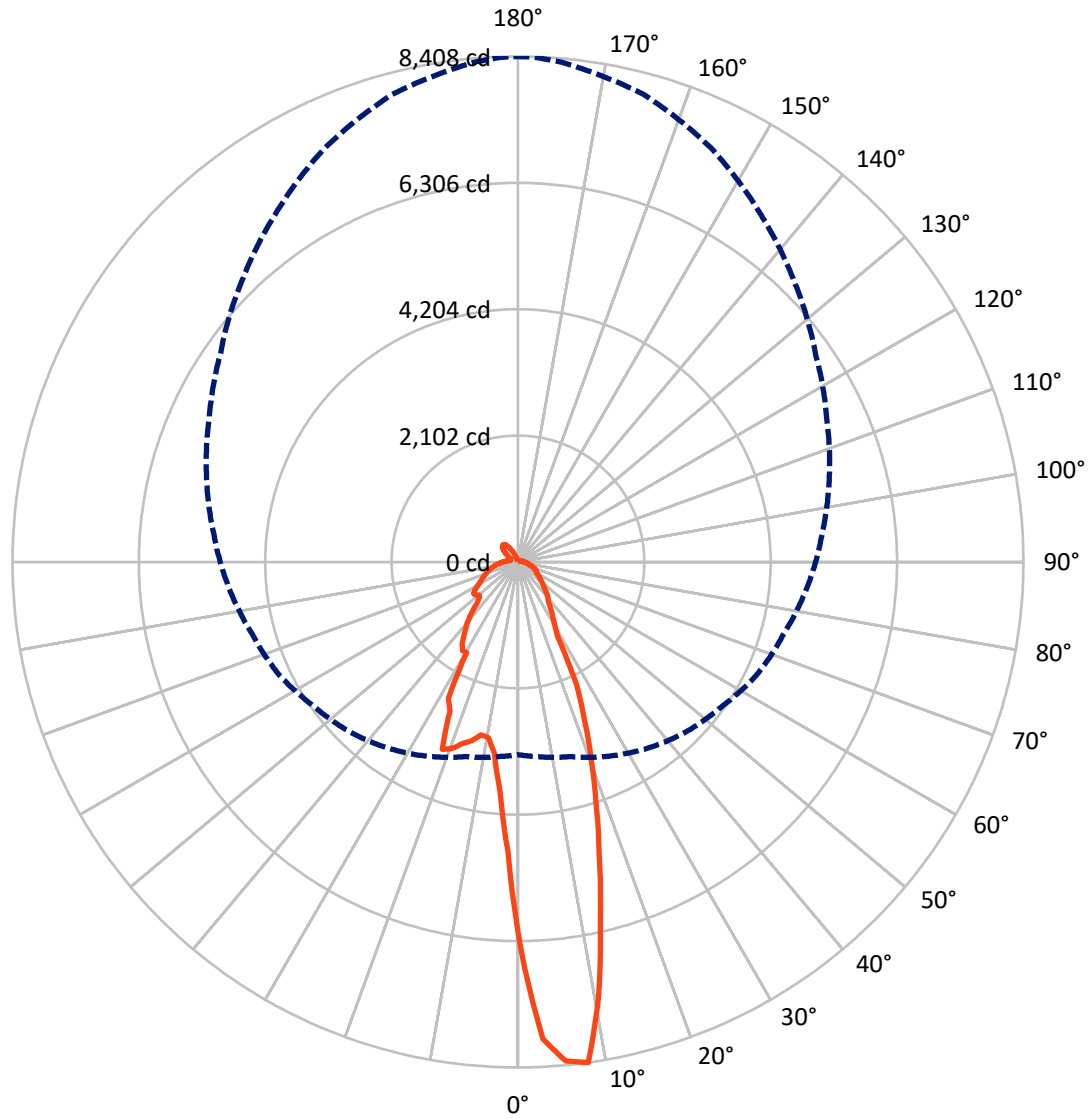
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.1 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 180-Deg Lateral - - - Horizontal Cone Through 7.5-Deg Vertical

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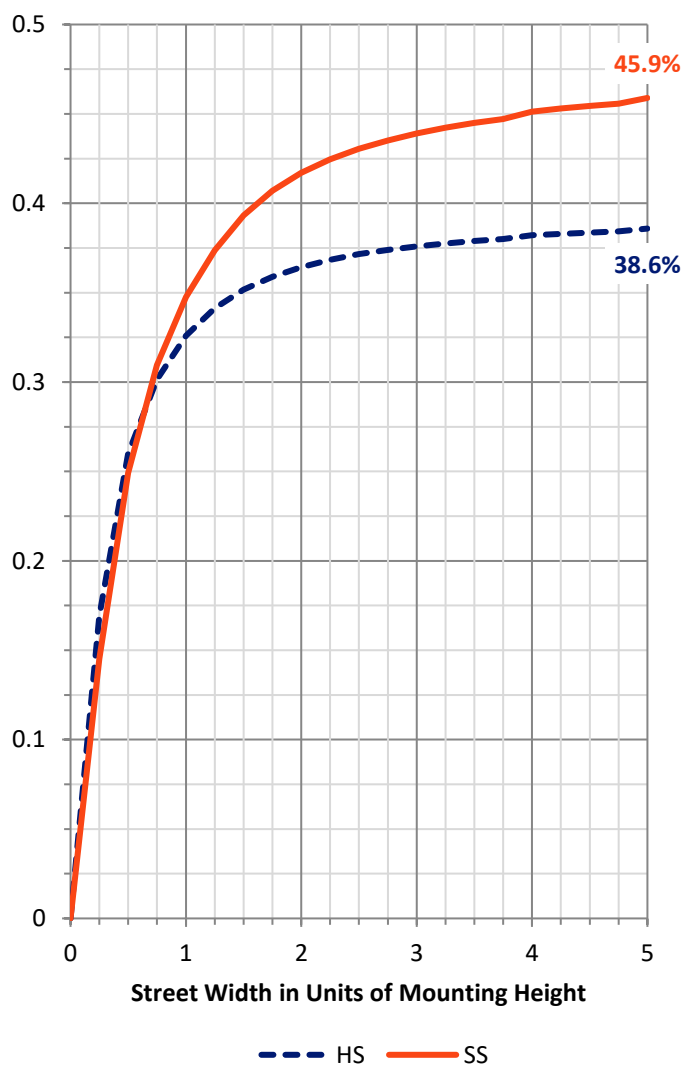
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3068.4	320.0	3388.3
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	3659.0	702.7	4361.7
	% Fixture	47.2	9.1	56.3
Total	Lumens	6727.3	1022.7	7750.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	519.2	6.7
10°-20°	1110.8	14.3
20°-30°	1226.6	15.8
30°-40°	889.6	11.5
40°-50°	749.5	9.7
50°-60°	765.2	9.9
60°-70°	652.1	8.4
70°-80°	486.2	6.3
80°-90°	328.1	4.2
90°-100°	196.1	2.5
100°-110°	112.8	1.5
110°-120°	105.5	1.4
120°-130°	153.6	2.0
130°-140°	208.7	2.7
140°-150°	169.9	2.2
150°-160°	67.8	0.9
160°-170°	8.2	0.1
170°-180°	0.0	0.0
0°-90°	6727.3	86.8
0°-180°	7750.0	100.0

Coefficient of Utilization



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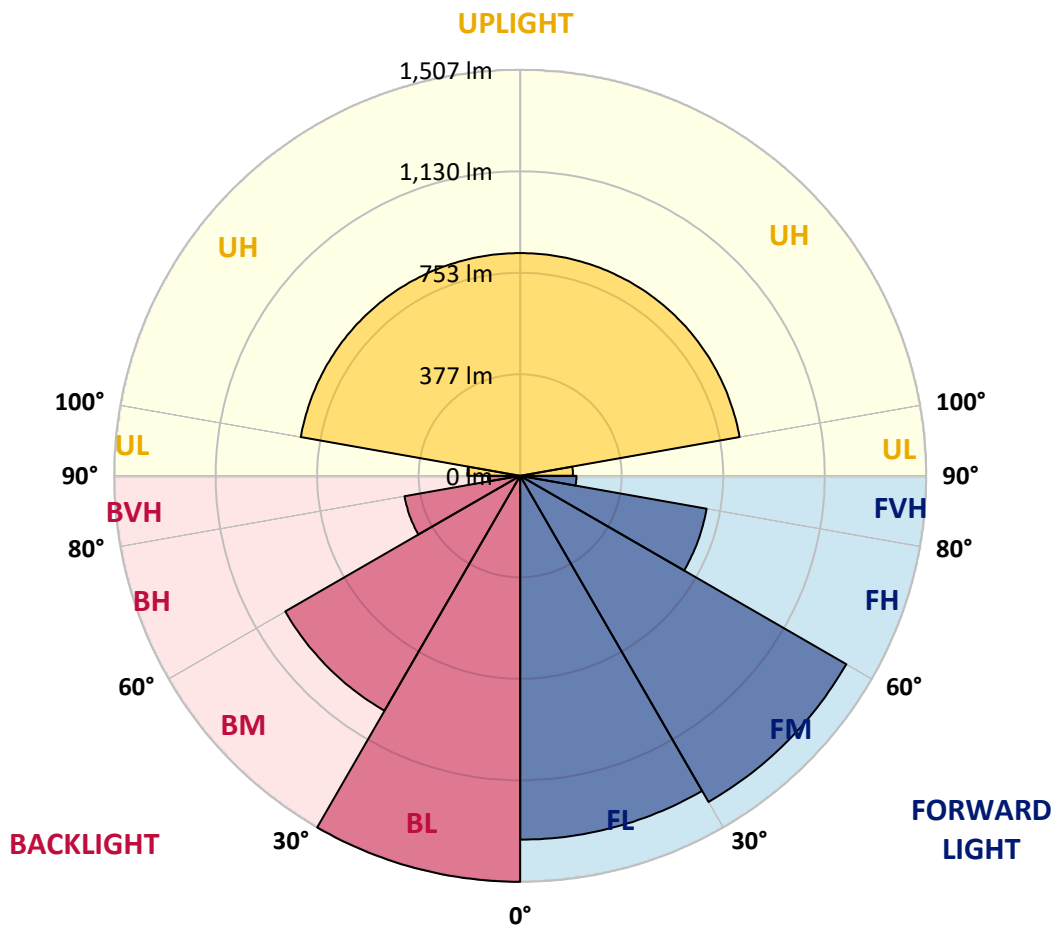
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1350.1	17.4			
FM (30°-60°)	1397.7	18.0			
FH (60°-80°)	702.5	9.1			G1/1800
FVH (80°-90°)	208.7	2.7			G2/225
BL (0°-30°)	1506.6	19.4	B3/2500		
BM (30°-60°)	1006.6	13.0	B2/2500		
BH (60°-80°)	435.8	5.6	B1/500		G1/500
BVH (80°-90°)	119.4	1.5			G2/225
UL (90°-100°)	196.1	2.5		U3/500	
UH (100°-180°)	826.5	10.7		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°	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5
2.5°	4809.6	4921.2	4931.4	5053.2	5144.5	5229.0	5289.9	5465.8	5645.1	5814.2	5912.3
5°	3818.6	3872.7	3970.8	4102.7	4271.8	4403.8	4593.2	4840.1	5076.8	5374.5	5519.9
7.5°	3206.4	3247.0	3351.9	3564.9	3778.0	3981.0	4163.6	4400.4	4583.0	4829.9	4951.7
10°	2962.9	2986.6	3074.5	3223.3	3426.3	3595.4	3754.4	3933.6	4096.0	4322.6	4410.5
12.5°	2939.2	2949.4	3020.4	3125.2	3243.6	3382.3	3514.2	3666.4	3838.9	4018.2	4085.8
15°	3067.7	3061.0	3084.7	3145.5	3213.2	3321.4	3443.2	3581.9	3747.6	3879.5	3933.6
17.5°	3159.1	3155.7	3199.7	3226.7	3291.0	3355.2	3477.0	3585.2	3747.6	3852.4	3882.9
20°	3291.0	3297.7	3311.3	3362.0	3389.1	3433.0	3507.4	3571.7	3710.4	3771.3	3764.5
22.5°	3362.0	3358.6	3416.1	3534.5	3564.9	3588.6	3602.2	3629.2	3707.0	3703.6	3652.9
25°	2726.1	2732.9	2746.4	2847.9	2976.4	3186.1	3358.6	3629.2	3774.6	3720.5	3612.3
27.5°	2546.9	2526.6	2455.6	2398.1	2225.6	2110.6	2002.3	1955.0	1978.6	2019.2	2130.9
30°	1735.1	1738.5	1745.3	1755.4	1772.3	1816.3	1846.7	1850.1	1873.8	1941.4	1917.8
32.5°	1738.5	1741.9	1731.7	1741.9	1735.1	1752.0	1748.6	1735.1	1755.4	1816.3	1792.6
35°	1633.7	1626.9	1633.7	1637.0	1599.8	1586.3	1582.9	1572.8	1586.3	1616.7	1596.4
37.5°	1471.3	1467.9	1498.4	1515.3	1484.8	1484.8	1478.1	1464.5	1474.7	1501.7	1474.7
40°	1329.2	1332.6	1376.6	1403.7	1393.5	1403.7	1413.8	1410.4	1434.1	1444.2	1410.4
42.5°	1173.7	1166.9	1210.9	1231.2	1210.9	1217.6	1214.2	1217.6	1265.0	1285.3	1261.6
45°	980.9	991.0	1011.3	1038.4	1035.0	1045.1	1041.7	1048.5	1079.0	1089.1	1072.2
47.5°	872.6	879.4	903.1	933.5	950.4	967.3	967.3	970.7	991.0	994.4	977.5
50°	849.0	855.7	886.2	920.0	947.0	967.3	977.5	974.1	984.2	977.5	953.8
52.5°	889.5	889.5	936.9	977.5	1011.3	1048.5	1062.0	1048.5	1048.5	1021.5	984.2
55°	906.5	909.8	967.3	1038.4	1102.6	1170.3	1214.2	1210.9	1207.5	1163.5	1095.9
57.5°	852.3	862.5	920.0	1001.2	1089.1	1197.3	1261.6	1271.7	1271.7	1214.2	1139.8
60°	774.5	781.3	825.3	892.9	980.9	1062.0	1129.7	1136.5	1156.7	1126.3	1058.7
62.5°	710.3	717.0	754.3	805.0	869.3	920.0	940.3	940.3	950.4	940.3	892.9
65°	662.9	666.3	696.8	740.7	784.7	825.3	845.6	838.8	852.3	838.8	801.6
67.5°	619.0	619.0	646.0	679.8	720.4	767.8	781.3	788.1	801.6	784.7	750.9
70°	575.0	578.4	605.4	632.5	669.7	703.5	717.0	720.4	737.3	717.0	693.4
72.5°	537.8	537.8	561.5	588.5	615.6	649.4	659.5	666.3	676.5	656.2	635.9
75°	493.8	497.2	517.5	541.2	564.8	598.7	608.8	612.2	622.3	598.7	578.4
77.5°	453.2	456.6	473.5	493.8	517.5	544.6	554.7	561.5	564.8	544.6	524.3
80°	412.6	416.0	429.6	449.8	470.1	497.2	504.0	507.3	514.1	490.4	476.9
82.5°	375.4	375.4	385.6	402.5	422.8	446.5	456.6	460.0	463.4	443.1	429.6
85°	331.5	331.5	341.6	358.5	375.4	399.1	409.3	412.6	412.6	395.7	382.2
87.5°	294.3	294.3	301.0	314.6	328.1	351.8	361.9	368.7	365.3	351.8	338.2
90°	257.1	257.1	263.8	274.0	287.5	307.8	317.9	321.3	321.3	304.4	294.3
92.5°	223.2	223.2	230.0	240.1	250.3	267.2	277.3	284.1	284.1	270.6	260.4
95°	192.8	192.8	196.2	206.3	216.5	230.0	236.8	243.5	243.5	236.8	226.6
97.5°	165.7	165.7	169.1	175.9	182.6	192.8	199.6	206.3	206.3	202.9	196.2
100°	145.4	145.4	145.4	148.8	155.6	159.0	165.7	172.5	172.5	169.1	165.7
102.5°	131.9	131.9	131.9	131.9	131.9	135.3	135.3	138.7	138.7	138.7	135.3
105°	125.1	125.1	125.1	125.1	125.1	125.1	125.1	125.1	121.8	118.4	115.0
107.5°	125.1	121.8	121.8	121.8	121.8	118.4	118.4	118.4	115.0	111.6	108.2
110°	125.1	125.1	125.1	125.1	121.8	118.4	118.4	115.0	111.6	108.2	104.9



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-7050-RMARROA5-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	131.9	131.9	131.9	128.5	125.1	125.1	121.8	118.4	115.0	108.2	104.9
115°	142.1	142.1	142.1	142.1	138.7	131.9	128.5	125.1	118.4	115.0	111.6
117.5°	159.0	159.0	159.0	159.0	152.2	148.8	142.1	138.7	131.9	125.1	121.8
120°	179.3	179.3	182.6	182.6	179.3	172.5	162.4	159.0	152.2	142.1	135.3
122.5°	209.7	206.3	213.1	213.1	213.1	206.3	192.8	186.0	179.3	165.7	159.0
125°	240.1	240.1	246.9	253.7	257.1	246.9	233.4	223.2	213.1	196.2	186.0
127.5°	274.0	274.0	287.5	301.0	307.8	297.6	280.7	270.6	257.1	233.4	219.8
130°	307.8	307.8	328.1	348.4	358.5	351.8	334.8	321.3	304.4	274.0	257.1
132.5°	338.2	338.2	361.9	389.0	402.5	399.1	382.2	368.7	355.1	317.9	294.3
135°	361.9	365.3	395.7	426.2	443.1	446.5	429.6	412.6	395.7	355.1	328.1
137.5°	375.4	382.2	412.6	449.8	466.8	476.9	466.8	449.8	429.6	385.6	355.1
140°	378.8	382.2	416.0	453.2	470.1	483.7	483.7	463.4	446.5	402.5	368.7
142.5°	368.7	372.1	405.9	439.7	456.6	473.5	476.9	460.0	443.1	402.5	368.7
145°	345.0	351.8	382.2	409.3	432.9	449.8	456.6	446.5	426.2	389.0	358.5
147.5°	314.6	317.9	345.0	368.7	392.3	412.6	422.8	412.6	395.7	361.9	334.8
150°	267.2	270.6	290.9	311.2	338.2	358.5	372.1	365.3	351.8	324.7	297.6
152.5°	216.5	216.5	233.4	250.3	274.0	294.3	307.8	304.4	294.3	270.6	250.3
155°	165.7	165.7	175.9	189.4	209.7	223.2	236.8	236.8	230.0	213.1	196.2
157.5°	118.4	118.4	128.5	138.7	152.2	165.7	175.9	175.9	172.5	159.0	148.8
160°	77.8	77.8	84.6	91.3	104.9	111.6	121.8	121.8	118.4	111.6	104.9
162.5°	40.6	40.6	47.4	50.7	60.9	67.6	74.4	77.8	77.8	71.0	67.6
165°	13.5	13.5	13.5	16.9	23.7	30.4	33.8	37.2	37.2	33.8	33.8
167.5°	3.4	3.4	3.4	3.4	3.4	3.4	6.8	10.1	10.1	10.1	10.1
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°	178°	180°
0°	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5	6480.5
2.5°	6017.1	6324.9	6588.7	6866.1	7173.9	7434.3	7698.1	7843.6	7968.7	7945.0	7945.0
5°	5662.0	5969.8	6291.1	6629.3	7045.3	7471.5	7877.4	8168.3	8320.5	8344.1	8340.8
7.5°	5073.5	5360.9	5665.4	6040.8	6527.8	7048.7	7600.0	8056.6	8344.1	8398.3	8408.4
10°	4491.7	4708.2	4965.2	5222.3	5658.6	6135.5	6629.3	6994.6	7275.3	7315.9	7363.3
12.5°	4143.3	4261.7	4427.4	4606.7	4890.8	5239.2	5645.1	5854.8	6034.0	6054.3	6098.3
15°	3964.1	4021.6	4062.1	4126.4	4295.5	4512.0	4698.0	4904.3	4978.7	5029.5	5053.2
17.5°	3893.0	3886.3	3845.7	3845.7	3859.2	3940.4	4058.8	4129.8	4177.1	4200.8	4207.6
20°	3747.6	3686.7	3605.5	3497.3	3439.8	3412.7	3443.2	3460.1	3446.6	3429.7	3460.1
22.5°	3595.4	3466.9	3321.4	3196.3	3047.5	2956.1	2868.2	2837.8	2800.5	2824.2	2824.2
25°	3548.0	3321.4	3088.0	2878.3	2655.1	2502.9	2340.6	2283.1	2225.6	2272.9	2272.9
27.5°	2097.0	2097.0	1965.1	1789.2	1596.4	1515.3	1451.0	1413.8	1390.1	1400.3	1400.3
30°	1877.2	1789.2	1708.1	1596.4	1447.6	1349.5	1265.0	1214.2	1190.6	1183.8	1190.6
32.5°	1741.9	1674.2	1576.2	1464.5	1332.6	1224.4	1129.7	1079.0	1041.7	1048.5	1051.9
35°	1559.2	1488.2	1403.7	1298.8	1187.2	1085.7	1001.2	950.4	916.6	916.6	920.0
37.5°	1444.2	1373.2	1292.0	1197.3	1089.1	991.0	913.2	852.3	821.9	818.5	818.5
40°	1373.2	1302.2	1227.8	1133.1	1031.6	930.1	852.3	798.2	761.0	761.0	764.4
42.5°	1244.7	1177.0	1112.8	1028.2	936.9	849.0	774.5	727.2	690.0	683.2	690.0
45°	1048.5	1011.3	960.6	903.1	825.3	754.3	686.6	646.0	615.6	615.6	612.2
47.5°	960.6	923.4	869.3	811.8	747.5	676.5	622.3	585.1	558.1	558.1	558.1
50°	926.8	886.2	818.5	754.3	679.8	619.0	571.6	534.4	514.1	514.1	510.7
52.5°	943.7	879.4	791.5	700.1	629.1	568.2	520.9	483.7	466.8	466.8	463.4
55°	1035.0	920.0	791.5	679.8	595.3	527.6	480.3	439.7	422.8	422.8	422.8
57.5°	1072.2	943.7	784.7	659.5	564.8	493.8	436.3	399.1	382.2	382.2	378.8
60°	1004.5	896.3	750.9	632.5	541.2	470.1	416.0	378.8	358.5	358.5	355.1
62.5°	855.7	777.9	666.3	578.4	507.3	443.1	395.7	358.5	341.6	341.6	341.6
65°	767.8	700.1	612.2	534.4	470.1	416.0	372.1	341.6	324.7	324.7	324.7
67.5°	717.0	659.5	571.6	497.2	432.9	382.2	341.6	314.6	301.0	297.6	301.0
70°	662.9	602.0	520.9	449.8	392.3	345.0	307.8	280.7	267.2	267.2	267.2
72.5°	605.4	547.9	470.1	405.9	348.4	311.2	274.0	250.3	236.8	236.8	233.4
75°	551.3	493.8	419.4	358.5	311.2	274.0	243.5	223.2	209.7	209.7	209.7
77.5°	500.6	446.5	375.4	321.3	277.3	246.9	216.5	199.6	189.4	189.4	186.0
80°	453.2	402.5	334.8	287.5	246.9	219.8	192.8	179.3	169.1	169.1	169.1
82.5°	405.9	358.5	297.6	253.7	219.8	192.8	172.5	159.0	152.2	148.8	152.2
85°	361.9	317.9	263.8	223.2	192.8	169.1	152.2	138.7	131.9	131.9	131.9
87.5°	321.3	280.7	233.4	196.2	169.1	148.8	131.9	121.8	118.4	115.0	115.0
90°	277.3	240.1	199.6	169.1	145.4	128.5	111.6	104.9	98.1	98.1	98.1
92.5°	246.9	216.5	179.3	152.2	131.9	118.4	104.9	98.1	91.3	91.3	91.3
95°	216.5	189.4	159.0	138.7	121.8	108.2	98.1	91.3	87.9	87.9	87.9
97.5°	186.0	165.7	142.1	125.1	111.6	101.5	91.3	84.6	81.2	81.2	81.2
100°	155.6	142.1	125.1	111.6	101.5	91.3	81.2	77.8	74.4	74.4	74.4
102.5°	128.5	118.4	104.9	94.7	84.6	77.8	71.0	67.6	64.3	64.3	64.3
105°	111.6	104.9	94.7	84.6	77.8	71.0	64.3	57.5	57.5	57.5	57.5
107.5°	104.9	94.7	87.9	81.2	74.4	64.3	60.9	54.1	50.7	50.7	50.7
110°	101.5	94.7	87.9	77.8	71.0	64.3	57.5	50.7	47.4	47.4	47.4



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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	101.5	94.7	87.9	81.2	74.4	64.3	60.9	47.4	44.0	44.0	44.0
115°	108.2	101.5	91.3	84.6	74.4	67.6	60.9	47.4	44.0	44.0	44.0
117.5°	115.0	108.2	98.1	91.3	81.2	71.0	60.9	47.4	44.0	44.0	44.0
120°	131.9	121.8	108.2	98.1	87.9	74.4	64.3	47.4	40.6	44.0	44.0
122.5°	148.8	138.7	121.8	108.2	94.7	81.2	64.3	47.4	40.6	44.0	44.0
125°	175.9	159.0	138.7	121.8	101.5	84.6	67.6	47.4	37.2	40.6	44.0
127.5°	206.3	186.0	159.0	135.3	111.6	87.9	67.6	47.4	37.2	40.6	40.6
130°	240.1	213.1	179.3	145.4	118.4	91.3	67.6	47.4	37.2	40.6	40.6
132.5°	274.0	236.8	196.2	159.0	125.1	94.7	67.6	44.0	37.2	37.2	37.2
135°	301.0	257.1	209.7	165.7	128.5	94.7	64.3	44.0	33.8	33.8	33.8
137.5°	324.7	274.0	219.8	169.1	128.5	91.3	60.9	40.6	30.4	30.4	30.4
140°	338.2	280.7	223.2	165.7	121.8	87.9	57.5	37.2	27.1	27.1	27.1
142.5°	338.2	277.3	216.5	162.4	115.0	81.2	50.7	30.4	23.7	23.7	23.7
145°	324.7	263.8	206.3	152.2	104.9	71.0	44.0	27.1	20.3	20.3	20.3
147.5°	304.4	243.5	189.4	138.7	94.7	60.9	37.2	23.7	16.9	16.9	16.9
150°	270.6	216.5	165.7	118.4	81.2	50.7	30.4	20.3	13.5	13.5	13.5
152.5°	226.6	179.3	138.7	98.1	67.6	40.6	27.1	13.5	10.1	10.1	10.1
155°	179.3	142.1	108.2	77.8	50.7	30.4	20.3	13.5	6.8	6.8	6.8
157.5°	135.3	104.9	81.2	57.5	37.2	23.7	13.5	10.1	6.8	6.8	6.8
160°	94.7	74.4	54.1	37.2	23.7	16.9	10.1	6.8	3.4	3.4	3.4
162.5°	60.9	47.4	33.8	23.7	13.5	10.1	6.8	3.4	3.4	3.4	0.0
165°	30.4	23.7	16.9	10.1	6.8	3.4	3.4	3.4	0.0	0.0	0.0
167.5°	6.8	6.8	6.8	3.4	3.4	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)