

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: P691742

Luminaire Tested: **CRTK2-C018-D-U-T5R-8027-RMARROA5**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691742
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-D-U-T5R-8027-RMARROA5
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC AND NEMA REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5331 lumens
Efficiency: N/A
Efficacy: 105.8 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): 50.4
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



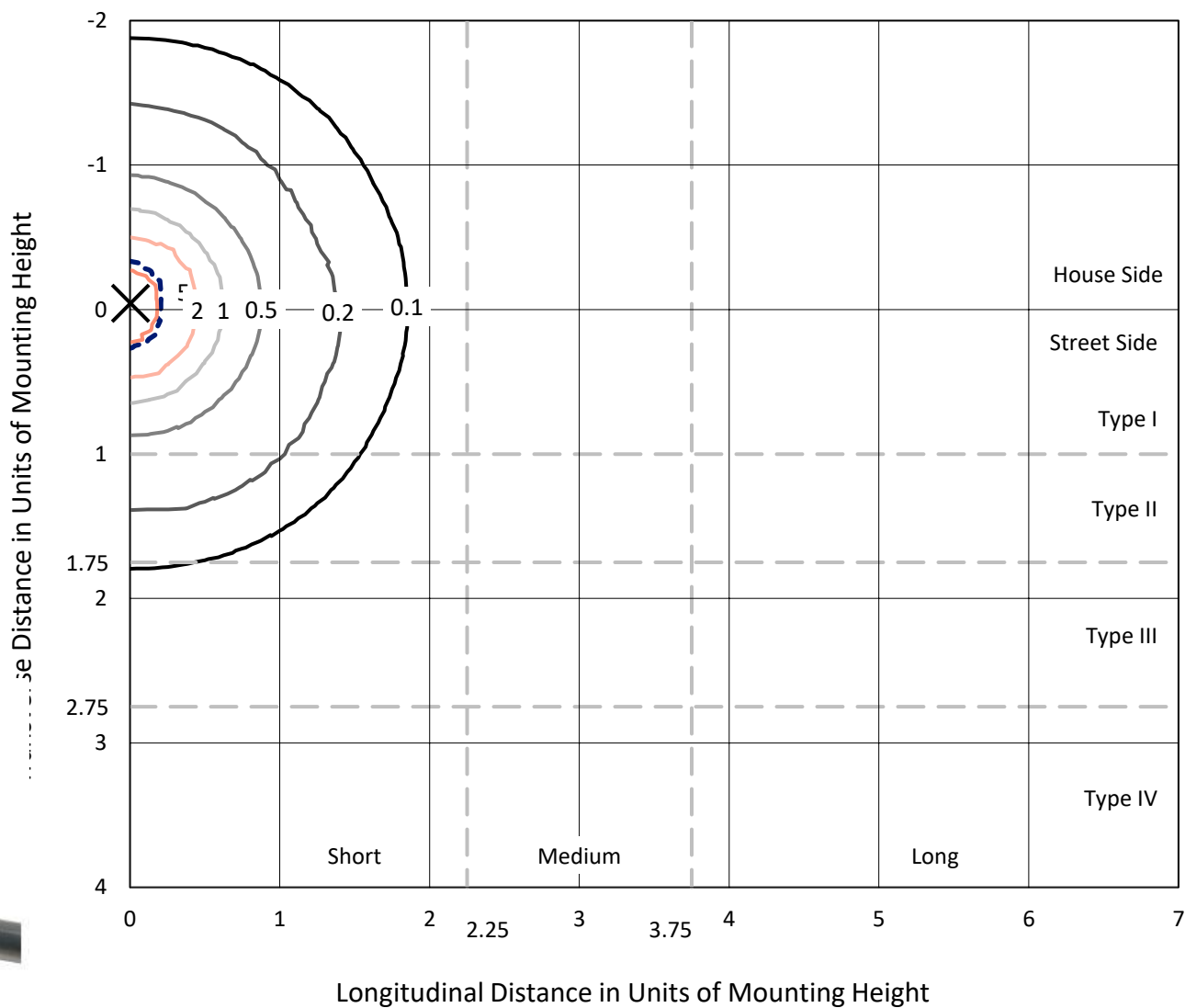
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

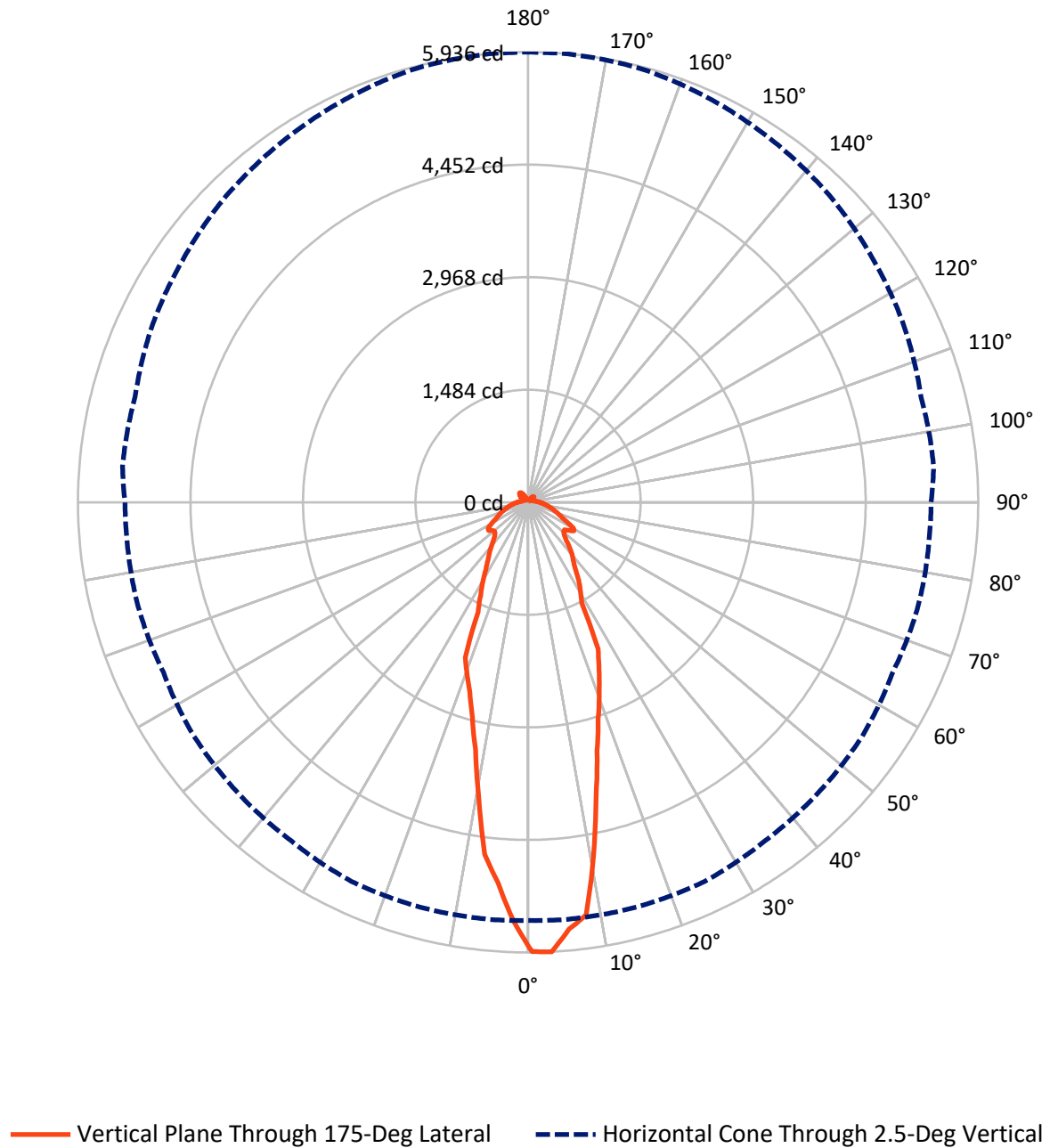


Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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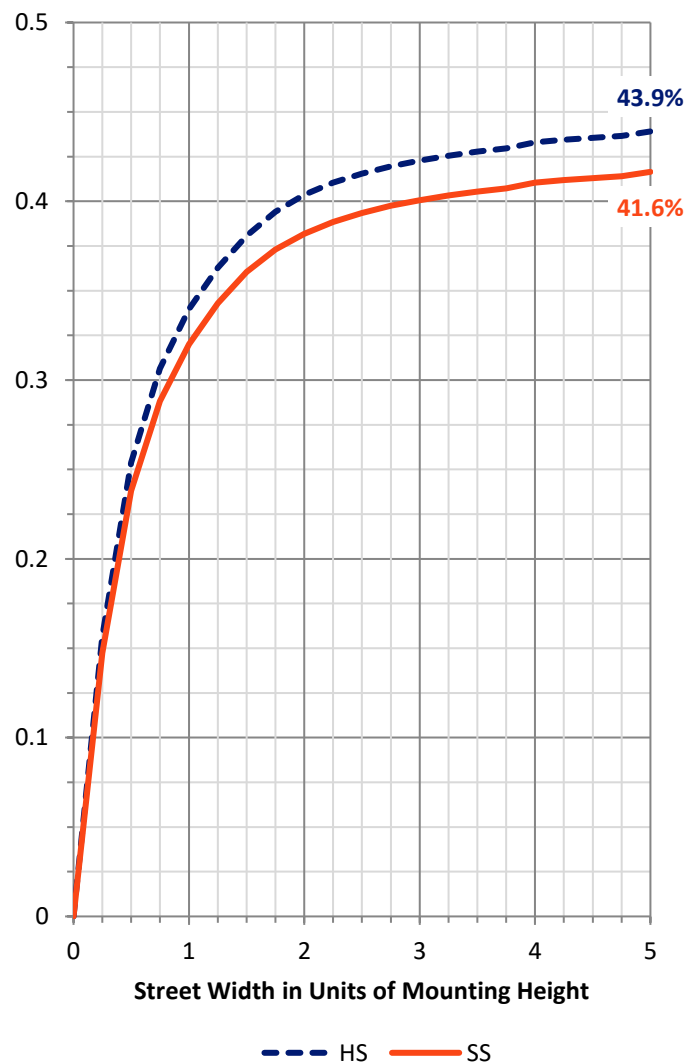
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2412.7	318.7	2731.5
	% Fixture	45.3	6.0	51.2
Street Side	Lumens	2272.4	327.1	2599.6
	% Fixture	42.6	6.1	48.8
Total	Lumens	4685.2	645.9	5331.0
	% Fixture	87.9	12.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	441.1	8.3
10°-20°	774.1	14.5
20°-30°	767.6	14.4
30°-40°	591.7	11.1
40°-50°	507.3	9.5
50°-60°	567.4	10.6
60°-70°	486.1	9.1
70°-80°	334.5	6.3
80°-90°	215.3	4.0
90°-100°	129.0	2.4
100°-110°	76.8	1.4
110°-120°	71.0	1.3
120°-130°	101.4	1.9
130°-140°	131.0	2.5
140°-150°	97.0	1.8
150°-160°	35.5	0.7
160°-170°	4.1	0.1
170°-180°	0.0	0.0
0°-90°	4685.2	87.9
0°-180°	5331.0	100.0

Coefficient of Utilization



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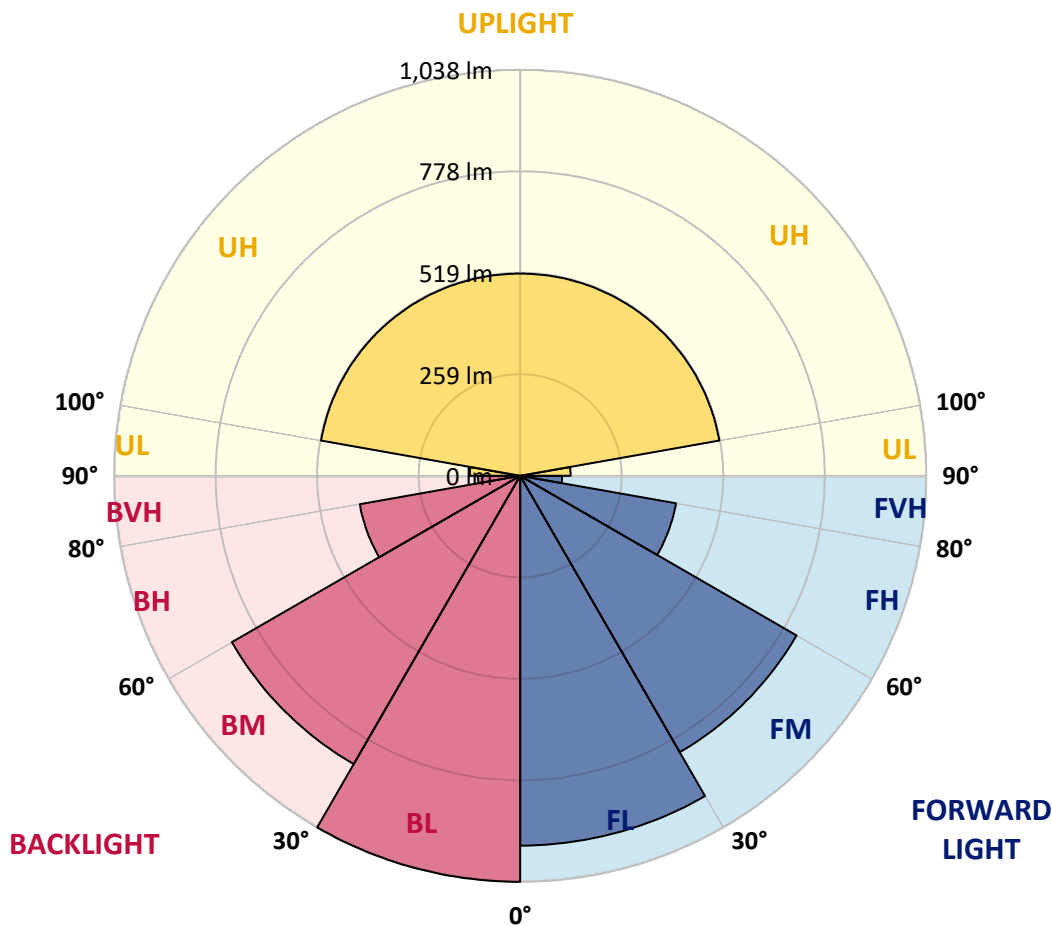
CATALOG NUMBER: CRTK2-C018-D-U-T5R-8027-RMARROA5

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	945.1	17.7			
FM	(30°-60°)	815.6	15.3			
FH	(60°-80°)	404.4	7.6			G0/660
FVH	(80°-90°)	107.3	2.0			G2/225
BL	(0°-30°)	1037.7	19.5	B3/2500		
BM	(30°-60°)	850.8	16.0	B1/1000		
BH	(60°-80°)	416.2	7.8	B1/500		G0/660
BVH	(80°-90°)	108.0	2.0			G2/225
UL	(90°-100°)	129.0	2.4		U3/500	
UH	(100°-180°)	516.8	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°	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3
2.5°	5515.2	5523.2	5525.2	5515.2	5449.0	5414.9	5378.8	5306.6	5322.7	5312.7	5314.7
5°	5001.8	5033.9	4983.7	4969.7	4869.4	4795.2	4723.0	4644.8	4626.8	4594.7	4606.7
7.5°	4660.9	4678.9	4596.7	4512.4	4352.0	4237.7	4117.4	3997.0	3906.8	3872.7	3886.7
10°	3880.7	3940.9	3858.6	3772.4	3620.0	3483.6	3357.3	3238.9	3156.7	3130.6	3134.6
12.5°	3299.1	3333.2	3263.0	3204.8	3034.4	2904.0	2787.7	2677.4	2611.2	2583.1	2583.1
15°	2914.0	2928.1	2873.9	2761.6	2633.3	2514.9	2416.7	2336.4	2282.3	2272.3	2276.3
17.5°	2623.2	2623.2	2569.1	2480.8	2382.6	2278.3	2210.1	2149.9	2125.9	2133.9	2135.9
20°	2404.6	2406.6	2358.5	2272.3	2188.0	2093.8	2037.6	1995.5	1981.5	1995.5	1997.5
22.5°	2198.1	2208.1	2155.9	2091.8	1999.5	1925.3	1879.2	1833.1	1825.0	1831.1	1831.1
25°	1590.4	1590.4	1572.3	1522.2	1542.3	1550.3	1604.4	1720.7	1696.7	1718.7	1716.7
27.5°	1371.8	1379.8	1343.7	1299.6	1253.5	1199.3	1189.3	1179.3	1169.2	1215.4	1231.4
30°	1211.3	1215.4	1185.3	1155.2	1117.1	1087.0	1079.0	1079.0	1068.9	1105.0	1103.0
32.5°	1058.9	1052.9	1044.9	1016.8	992.7	966.7	972.7	968.7	968.7	1000.8	1002.8
35°	938.6	936.6	930.6	910.5	886.4	866.4	872.4	876.4	874.4	894.5	894.5
37.5°	850.3	852.4	848.3	840.3	816.3	800.2	804.2	800.2	806.2	820.3	820.3
40°	764.1	764.1	766.1	764.1	748.1	742.0	754.1	748.1	762.1	772.1	768.1
42.5°	681.9	683.9	687.9	683.9	673.9	667.8	673.9	675.9	695.9	710.0	708.0
45°	629.7	629.7	631.7	629.7	621.7	615.7	615.7	609.7	623.7	631.7	629.7
47.5°	595.6	595.6	599.7	597.6	593.6	587.6	583.6	575.6	581.6	587.6	581.6
50°	583.6	583.6	591.6	591.6	589.6	583.6	577.6	567.6	569.6	573.6	565.6
52.5°	601.7	601.7	615.7	621.7	621.7	611.7	603.7	589.6	589.6	593.6	581.6
55°	639.8	639.8	661.8	673.9	675.9	675.9	665.8	651.8	653.8	661.8	649.8
57.5°	625.7	627.7	645.8	661.8	671.9	677.9	677.9	669.8	675.9	695.9	689.9
60°	559.5	563.6	575.6	589.6	607.7	613.7	613.7	611.7	621.7	645.8	645.8
62.5°	497.4	499.4	505.4	517.4	527.5	531.5	531.5	523.4	535.5	547.5	543.5
65°	449.2	447.2	459.3	469.3	475.3	481.3	475.3	467.3	473.3	481.3	479.3
67.5°	409.1	409.1	419.2	427.2	431.2	437.2	433.2	429.2	437.2	441.2	437.2
70°	371.0	373.0	381.1	387.1	391.1	397.1	391.1	389.1	397.1	401.1	399.1
72.5°	332.9	334.9	340.9	349.0	353.0	355.0	353.0	351.0	357.0	361.0	361.0
75°	298.8	300.8	304.8	312.9	312.9	316.9	314.9	312.9	318.9	322.9	322.9
77.5°	266.7	270.7	272.8	278.8	280.8	282.8	280.8	280.8	284.8	288.8	290.8
80°	238.7	240.7	242.7	248.7	248.7	250.7	248.7	248.7	252.7	258.7	258.7
82.5°	212.6	214.6	216.6	220.6	218.6	220.6	220.6	220.6	224.6	230.6	230.6
85°	186.5	190.5	190.5	194.5	194.5	194.5	194.5	196.5	198.5	204.6	204.6
87.5°	164.5	166.5	168.5	170.5	170.5	172.5	172.5	174.5	176.5	180.5	182.5
90°	142.4	144.4	146.4	146.4	146.4	148.4	148.4	150.4	152.4	156.4	158.4
92.5°	126.3	128.4	128.4	130.4	130.4	130.4	132.4	134.4	136.4	140.4	140.4
95°	112.3	114.3	114.3	114.3	114.3	116.3	116.3	118.3	120.3	124.3	124.3
97.5°	100.3	100.3	100.3	100.3	100.3	102.3	102.3	104.3	106.3	108.3	108.3
100°	88.2	88.2	88.2	88.2	88.2	88.2	88.2	90.2	90.2	94.3	94.3
102.5°	78.2	78.2	76.2	76.2	76.2	74.2	74.2	76.2	76.2	78.2	78.2
105°	70.2	70.2	70.2	70.2	68.2	68.2	68.2	68.2	68.2	70.2	70.2
107.5°	68.2	68.2	66.2	66.2	66.2	64.2	64.2	64.2	64.2	66.2	66.2
110°	66.2	66.2	66.2	66.2	64.2	64.2	62.2	62.2	62.2	64.2	64.2

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	68.2	68.2	68.2	66.2	66.2	64.2	64.2	64.2	64.2	64.2	66.2
115°	72.2	70.2	70.2	70.2	70.2	68.2	66.2	66.2	68.2	68.2	68.2
117.5°	78.2	76.2	76.2	78.2	76.2	74.2	72.2	72.2	74.2	74.2	76.2
120°	86.2	84.2	86.2	86.2	86.2	84.2	82.2	80.2	82.2	84.2	84.2
122.5°	96.3	94.3	96.3	98.3	98.3	96.3	92.3	92.3	94.3	96.3	98.3
125°	108.3	108.3	110.3	112.3	114.3	110.3	108.3	106.3	110.3	112.3	112.3
127.5°	122.3	120.3	124.3	130.4	132.4	128.4	124.3	122.3	126.3	130.4	130.4
130°	136.4	134.4	140.4	146.4	150.4	146.4	142.4	140.4	144.4	148.4	148.4
132.5°	148.4	146.4	154.4	162.4	166.5	164.5	160.4	156.4	162.4	166.5	164.5
135°	158.4	158.4	168.5	176.5	180.5	178.5	174.5	170.5	178.5	182.5	178.5
137.5°	164.5	164.5	176.5	184.5	188.5	188.5	186.5	182.5	190.5	192.5	186.5
140°	164.5	166.5	176.5	184.5	186.5	188.5	188.5	186.5	194.5	194.5	188.5
142.5°	158.4	160.4	170.5	178.5	180.5	182.5	184.5	182.5	188.5	188.5	184.5
145°	148.4	150.4	160.4	168.5	168.5	170.5	174.5	172.5	176.5	178.5	174.5
147.5°	134.4	136.4	144.4	148.4	150.4	154.4	158.4	158.4	160.4	162.4	160.4
150°	116.3	116.3	122.3	126.3	128.4	132.4	136.4	138.4	138.4	140.4	138.4
152.5°	92.3	92.3	96.3	100.3	102.3	108.3	110.3	112.3	114.3	116.3	114.3
155°	70.2	70.2	72.2	74.2	76.2	82.2	84.2	86.2	88.2	90.2	88.2
157.5°	50.1	50.1	52.1	54.1	56.2	60.2	62.2	64.2	64.2	66.2	66.2
160°	32.1	34.1	34.1	36.1	36.1	40.1	42.1	42.1	44.1	46.1	46.1
162.5°	16.0	18.0	18.0	20.1	22.1	24.1	26.1	26.1	28.1	28.1	28.1
165°	4.0	6.0	6.0	8.0	8.0	10.0	12.0	12.0	14.0	14.0	14.0
167.5°	0.0	2.0	2.0	2.0	2.0	2.0	2.0	4.0	4.0	4.0	4.0
170°	0.0	0.0	0.0	0.0	2.0	0.0	0.0	2.0	2.0	2.0	2.0
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°	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3	5924.3
2.5°	5368.8	5364.8	5475.1	5563.3	5667.6	5749.9	5830.1	5906.3	5936.4	5934.4	5936.4
5°	4660.9	4731.0	4875.4	5017.8	5186.3	5344.7	5493.2	5591.4	5653.6	5653.6	5659.6
7.5°	3950.9	4063.2	4241.7	4468.3	4721.0	4927.6	5178.3	5354.8	5495.2	5491.1	5517.2
10°	3190.8	3279.0	3457.5	3700.2	3979.0	4217.6	4436.2	4600.7	4737.1	4729.0	4763.1
12.5°	2621.2	2683.4	2837.8	3058.4	3313.1	3543.8	3758.4	3886.7	3983.0	3981.0	3999.0
15°	2286.3	2350.5	2450.8	2603.2	2813.8	3018.3	3232.9	3349.2	3403.4	3397.4	3427.5
17.5°	2149.9	2176.0	2238.2	2340.5	2492.9	2659.3	2829.8	2930.1	2992.3	2984.2	3006.3
20°	2003.5	2027.6	2069.7	2145.9	2254.2	2380.6	2525.0	2635.3	2681.4	2679.4	2693.4
22.5°	1835.1	1847.1	1893.2	1953.4	2031.6	2133.9	2244.2	2344.5	2390.6	2388.6	2402.6
25°	1718.7	1738.8	1766.9	1803.0	1857.1	1937.3	2029.6	2099.8	2141.9	2137.9	2155.9
27.5°	1255.5	1275.5	1289.6	1311.6	1313.6	1379.8	1411.9	1470.1	1508.2	1506.2	1518.2
30°	1103.0	1107.1	1119.1	1149.2	1167.2	1219.4	1283.5	1327.7	1359.8	1371.8	1379.8
32.5°	1006.8	1018.8	1032.8	1046.9	1068.9	1101.0	1151.2	1191.3	1225.4	1231.4	1245.4
35°	896.5	904.5	914.5	928.6	942.6	968.7	1006.8	1038.9	1064.9	1075.0	1083.0
37.5°	818.3	820.3	830.3	846.3	858.4	880.4	914.5	938.6	964.7	966.7	974.7
40°	766.1	768.1	778.1	792.2	806.2	820.3	850.3	872.4	890.5	892.5	898.5
42.5°	705.9	712.0	716.0	722.0	732.0	744.1	770.1	782.2	794.2	796.2	804.2
45°	623.7	625.7	629.7	635.8	647.8	659.8	677.9	691.9	699.9	699.9	697.9
47.5°	577.6	579.6	579.6	587.6	597.6	609.7	625.7	637.8	641.8	641.8	641.8
50°	561.5	561.5	557.5	563.6	573.6	581.6	597.6	607.7	609.7	611.7	613.7
52.5°	573.6	569.6	557.5	563.6	573.6	581.6	597.6	601.7	601.7	605.7	607.7
55°	639.8	633.7	609.7	613.7	625.7	635.8	647.8	649.8	653.8	659.8	657.8
57.5°	681.9	685.9	657.8	663.8	685.9	693.9	708.0	705.9	714.0	722.0	724.0
60°	641.8	653.8	631.7	639.8	665.8	669.8	683.9	675.9	687.9	687.9	687.9
62.5°	545.5	549.5	537.5	549.5	573.6	573.6	583.6	577.6	581.6	577.6	579.6
65°	477.3	475.3	461.3	477.3	485.3	489.3	497.4	499.4	499.4	495.4	495.4
67.5°	435.2	431.2	419.2	423.2	431.2	433.2	445.2	447.2	445.2	445.2	447.2
70°	397.1	391.1	379.0	381.1	387.1	389.1	399.1	403.1	401.1	399.1	401.1
72.5°	359.0	353.0	340.9	340.9	347.0	351.0	359.0	363.0	359.0	359.0	361.0
75°	322.9	316.9	304.8	304.8	308.9	310.9	320.9	322.9	320.9	318.9	320.9
77.5°	290.8	286.8	274.8	274.8	276.8	278.8	284.8	286.8	284.8	282.8	284.8
80°	260.7	254.7	246.7	244.7	246.7	246.7	252.7	254.7	250.7	250.7	252.7
82.5°	232.6	226.6	218.6	218.6	216.6	218.6	222.6	224.6	222.6	220.6	222.6
85°	206.6	202.6	194.5	192.5	192.5	192.5	196.5	196.5	194.5	194.5	194.5
87.5°	182.5	178.5	170.5	170.5	168.5	170.5	172.5	172.5	170.5	170.5	170.5
90°	158.4	154.4	148.4	148.4	146.4	148.4	150.4	150.4	148.4	148.4	148.4
92.5°	140.4	138.4	132.4	132.4	130.4	132.4	132.4	132.4	130.4	130.4	130.4
95°	124.3	122.3	118.3	116.3	116.3	116.3	116.3	116.3	114.3	114.3	114.3
97.5°	108.3	106.3	102.3	102.3	100.3	102.3	102.3	102.3	100.3	100.3	100.3
100°	94.3	92.3	90.2	90.2	88.2	88.2	88.2	88.2	88.2	88.2	88.2
102.5°	78.2	78.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2	76.2
105°	70.2	70.2	70.2	70.2	72.2	72.2	72.2	70.2	70.2	70.2	70.2
107.5°	66.2	66.2	66.2	68.2	68.2	68.2	70.2	66.2	64.2	64.2	64.2
110°	64.2	64.2	66.2	66.2	68.2	68.2	70.2	62.2	60.2	60.2	60.2

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	66.2	66.2	66.2	68.2	70.2	70.2	72.2	62.2	60.2	60.2	60.2
115°	70.2	70.2	70.2	72.2	74.2	76.2	76.2	66.2	62.2	62.2	64.2
117.5°	76.2	76.2	76.2	78.2	82.2	82.2	82.2	70.2	68.2	68.2	68.2
120°	84.2	86.2	86.2	88.2	92.3	94.3	90.2	80.2	68.2	74.2	74.2
122.5°	96.3	98.3	100.3	102.3	108.3	108.3	102.3	92.3	74.2	82.2	84.2
125°	112.3	114.3	116.3	120.3	126.3	126.3	118.3	104.3	84.2	92.3	94.3
127.5°	128.4	132.4	134.4	140.4	148.4	148.4	138.4	120.3	94.3	100.3	102.3
130°	146.4	150.4	154.4	162.4	172.5	168.5	160.4	136.4	102.3	106.3	106.3
132.5°	162.4	168.5	170.5	182.5	192.5	188.5	178.5	146.4	106.3	106.3	104.3
135°	174.5	178.5	180.5	192.5	202.6	196.5	184.5	150.4	104.3	100.3	100.3
137.5°	182.5	186.5	188.5	196.5	204.6	194.5	178.5	142.4	100.3	98.3	96.3
140°	186.5	186.5	186.5	192.5	196.5	184.5	164.5	128.4	90.2	94.3	94.3
142.5°	182.5	180.5	178.5	182.5	184.5	170.5	152.4	114.3	82.2	86.2	86.2
145°	172.5	168.5	166.5	168.5	168.5	152.4	132.4	98.3	72.2	74.2	74.2
147.5°	158.4	152.4	148.4	148.4	146.4	130.4	112.3	82.2	62.2	60.2	60.2
150°	136.4	130.4	126.3	126.3	120.3	106.3	90.2	64.2	50.1	50.1	50.1
152.5°	112.3	106.3	102.3	102.3	96.3	82.2	68.2	48.1	38.1	38.1	38.1
155°	88.2	82.2	78.2	76.2	72.2	62.2	50.1	36.1	28.1	28.1	28.1
157.5°	66.2	62.2	58.2	56.2	52.1	46.1	36.1	26.1	18.0	20.1	20.1
160°	46.1	42.1	40.1	38.1	36.1	30.1	24.1	16.0	10.0	10.0	10.0
162.5°	28.1	26.1	26.1	24.1	22.1	20.1	14.0	8.0	4.0	4.0	4.0
165°	14.0	14.0	12.0	12.0	10.0	8.0	6.0	2.0	0.0	0.0	0.0
167.5°	4.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	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)