

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: P691529

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-RMARROA5-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691529
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-C016-D-U-T3-8027-RMARROA5-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 3939 lumens
Efficiency: N/A
Efficacy: 94.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 41.6
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



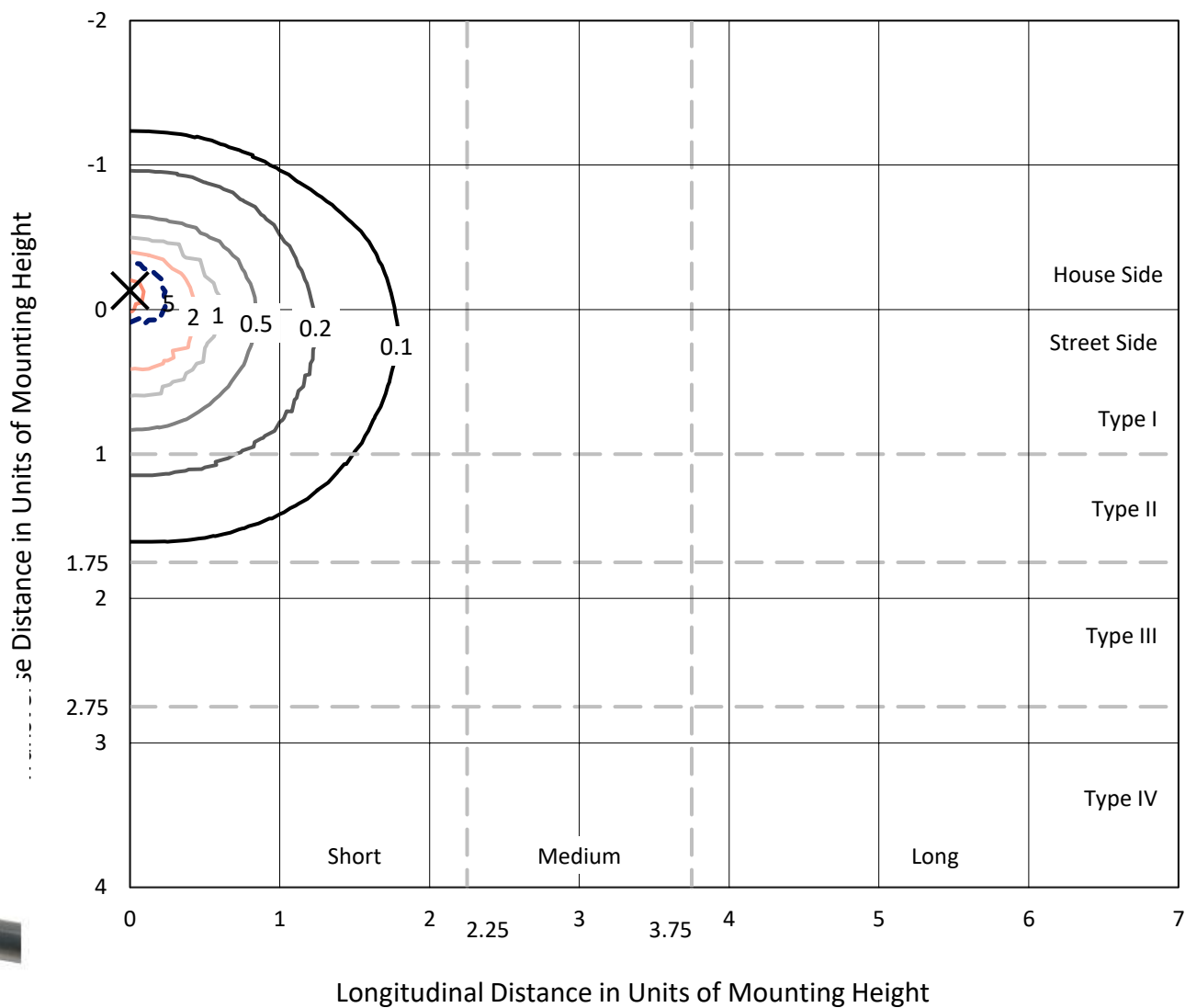
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

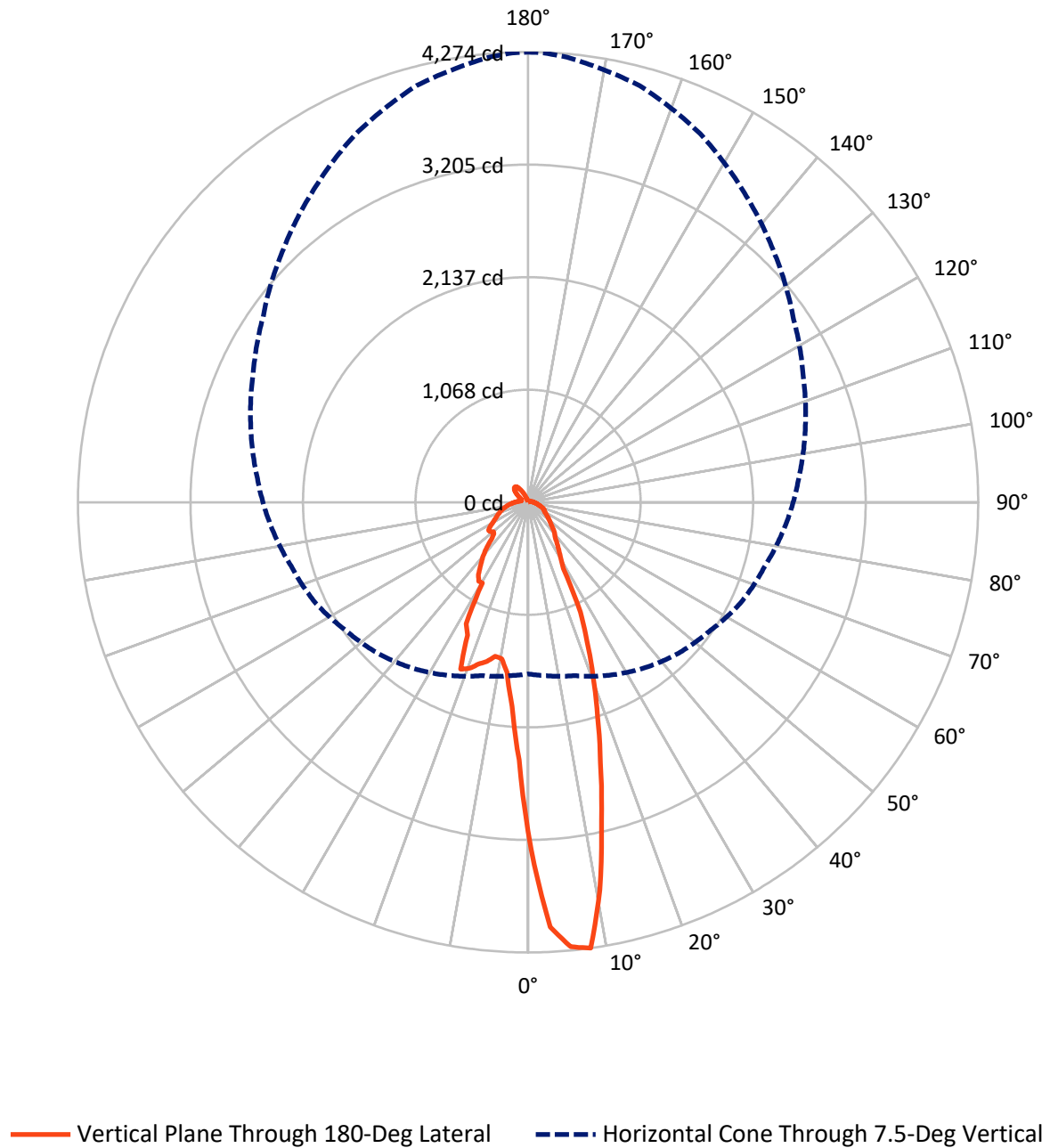


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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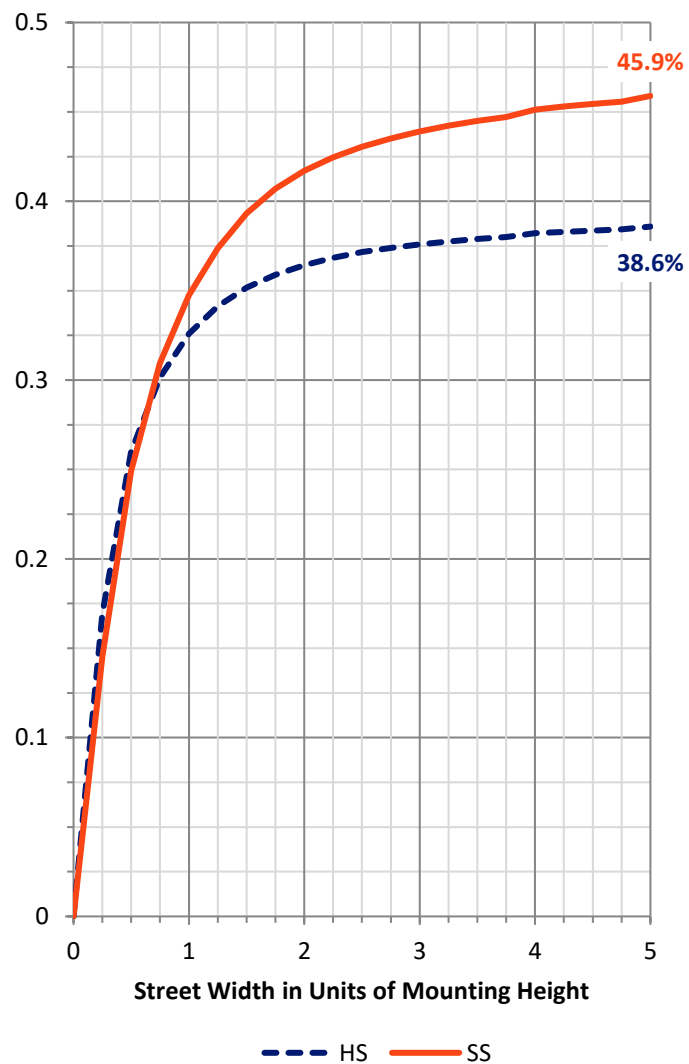
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1559.5	162.6	1722.1
	% Fixture	39.6	4.1	43.7
Street Side	Lumens	1859.7	357.1	2216.8
	% Fixture	47.2	9.1	56.3
Total	Lumens	3419.2	519.8	3939.0
	% Fixture	86.8	13.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	263.9	6.7
10°-20°	564.6	14.3
20°-30°	623.4	15.8
30°-40°	452.1	11.5
40°-50°	380.9	9.7
50°-60°	388.9	9.9
60°-70°	331.4	8.4
70°-80°	247.1	6.3
80°-90°	166.8	4.2
90°-100°	99.7	2.5
100°-110°	57.3	1.5
110°-120°	53.6	1.4
120°-130°	78.1	2.0
130°-140°	106.1	2.7
140°-150°	86.4	2.2
150°-160°	34.4	0.9
160°-170°	4.2	0.1
170°-180°	0.0	0.0
0°-90°	3419.2	86.8
0°-180°	3939.0	100.0

Coefficient of Utilization



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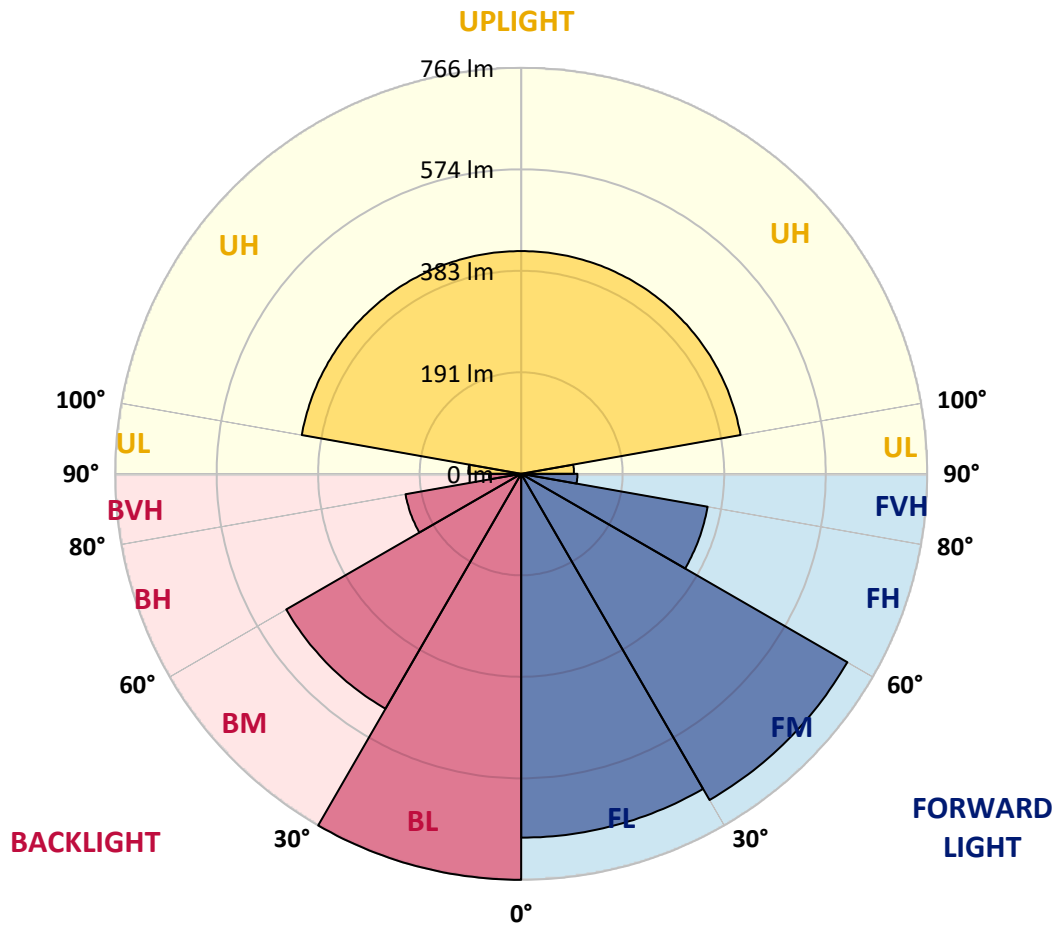
CATALOG NUMBER: CRTK2-C016-D-U-T3-8027-RMARROA5-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	686.2	17.4			
FM	(30°-60°)	710.4	18.0			
FH	(60°-80°)	357.1	9.1			G0/660
FVH	(80°-90°)	106.1	2.7			G2/225
BL	(0°-30°)	765.7	19.4	B2/1000		
BM	(30°-60°)	511.6	13.0	B1/1000		
BH	(60°-80°)	221.5	5.6	B1/500		G1/500
BVH	(80°-90°)	60.7	1.5			G1/100
UL	(90°-100°)	99.7	2.5		U3/500	
UH	(100°-180°)	420.1	10.7		U3/500	

BUG Rating: B2-U3-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8
2.5°	2444.5	2501.3	2506.4	2568.3	2614.7	2657.7	2688.6	2778.0	2869.1	2955.1	3005.0
5°	1940.8	1968.3	2018.2	2085.2	2171.2	2238.2	2334.5	2460.0	2580.3	2731.6	2805.5
7.5°	1629.7	1650.3	1703.6	1811.9	1920.2	2023.4	2116.2	2236.5	2329.4	2454.8	2516.7
10°	1505.9	1517.9	1562.6	1638.3	1741.4	1827.4	1908.2	1999.3	2081.8	2197.0	2241.7
12.5°	1493.9	1499.0	1535.1	1588.4	1648.6	1719.1	1786.1	1863.5	1951.2	2042.3	2076.7
15°	1559.2	1555.8	1567.8	1598.7	1633.1	1688.1	1750.0	1820.5	1904.7	1971.8	1999.3
17.5°	1605.6	1603.9	1626.3	1640.0	1672.7	1705.3	1767.2	1822.2	1904.7	1958.0	1973.5
20°	1672.7	1676.1	1683.0	1708.8	1722.5	1744.9	1782.7	1815.4	1885.8	1916.8	1913.3
22.5°	1708.8	1707.0	1736.3	1796.4	1811.9	1823.9	1830.8	1844.6	1884.1	1882.4	1856.6
25°	1385.6	1389.0	1395.9	1447.5	1512.8	1619.4	1707.0	1844.6	1918.5	1891.0	1836.0
27.5°	1294.5	1284.2	1248.1	1218.8	1131.2	1072.7	1017.7	993.6	1005.7	1026.3	1083.0
30°	881.9	883.6	887.0	892.2	900.8	923.1	938.6	940.3	952.4	986.8	974.7
32.5°	883.6	885.3	880.2	885.3	881.9	890.5	888.8	881.9	892.2	923.1	911.1
35°	830.3	826.9	830.3	832.0	813.1	806.2	804.5	799.4	806.2	821.7	811.4
37.5°	747.8	746.1	761.6	770.1	754.7	754.7	751.2	744.4	749.5	763.3	749.5
40°	675.6	677.3	699.7	713.4	708.3	713.4	718.6	716.9	728.9	734.0	716.9
42.5°	596.5	593.1	615.4	625.7	615.4	618.9	617.2	618.9	642.9	653.3	641.2
45°	498.5	503.7	514.0	527.8	526.0	531.2	529.5	532.9	548.4	553.5	544.9
47.5°	443.5	447.0	459.0	474.5	483.1	491.7	491.7	493.4	503.7	505.4	496.8
50°	431.5	434.9	450.4	467.6	481.3	491.7	496.8	495.1	500.3	496.8	484.8
52.5°	452.1	452.1	476.2	496.8	514.0	532.9	539.8	532.9	532.9	519.2	500.3
55°	460.7	462.4	491.7	527.8	560.4	594.8	617.2	615.4	613.7	591.4	557.0
57.5°	433.2	438.4	467.6	508.8	553.5	608.6	641.2	646.4	646.4	617.2	579.3
60°	393.7	397.1	419.5	453.8	498.5	539.8	574.2	577.6	587.9	572.5	538.1
62.5°	361.0	364.4	383.4	409.1	441.8	467.6	477.9	477.9	483.1	477.9	453.8
65°	336.9	338.7	354.1	376.5	398.8	419.5	429.8	426.3	433.2	426.3	407.4
67.5°	314.6	314.6	328.3	345.5	366.2	390.2	397.1	400.5	407.4	398.8	381.6
70°	292.2	294.0	307.7	321.5	340.4	357.6	364.4	366.2	374.8	364.4	352.4
72.5°	273.3	273.3	285.4	299.1	312.9	330.1	335.2	338.7	343.8	333.5	323.2
75°	251.0	252.7	263.0	275.1	287.1	304.3	309.4	311.2	316.3	304.3	294.0
77.5°	230.4	232.1	240.7	251.0	263.0	276.8	281.9	285.4	287.1	276.8	266.5
80°	209.7	211.4	218.3	228.6	239.0	252.7	256.1	257.9	261.3	249.3	242.4
82.5°	190.8	190.8	196.0	204.6	214.9	226.9	232.1	233.8	235.5	225.2	218.3
85°	168.5	168.5	173.6	182.2	190.8	202.9	208.0	209.7	209.7	201.1	194.3
87.5°	149.6	149.6	153.0	159.9	166.8	178.8	183.9	187.4	185.7	178.8	171.9
90°	130.7	130.7	134.1	139.2	146.1	156.4	161.6	163.3	163.3	154.7	149.6
92.5°	113.5	113.5	116.9	122.1	127.2	135.8	141.0	144.4	144.4	137.5	132.4
95°	98.0	98.0	99.7	104.9	110.0	116.9	120.3	123.8	123.8	120.3	115.2
97.5°	84.2	84.2	86.0	89.4	92.8	98.0	101.4	104.9	104.9	103.1	99.7
100°	73.9	73.9	73.9	75.6	79.1	80.8	84.2	87.7	87.7	86.0	84.2
102.5°	67.0	67.0	67.0	67.0	67.0	68.8	68.8	70.5	70.5	70.5	68.8
105°	63.6	63.6	63.6	63.6	63.6	63.6	63.6	63.6	61.9	60.2	58.4
107.5°	63.6	61.9	61.9	61.9	61.9	60.2	60.2	60.2	58.4	56.7	55.0
110°	63.6	63.6	63.6	63.6	61.9	60.2	60.2	58.4	56.7	55.0	53.3

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	67.0	67.0	67.0	65.3	63.6	63.6	61.9	60.2	58.4	55.0	53.3
115°	72.2	72.2	72.2	72.2	70.5	67.0	65.3	63.6	60.2	58.4	56.7
117.5°	80.8	80.8	80.8	80.8	77.4	75.6	72.2	70.5	67.0	63.6	61.9
120°	91.1	91.1	92.8	92.8	91.1	87.7	82.5	80.8	77.4	72.2	68.8
122.5°	106.6	104.9	108.3	108.3	108.3	104.9	98.0	94.5	91.1	84.2	80.8
125°	122.1	122.1	125.5	128.9	130.7	125.5	118.6	113.5	108.3	99.7	94.5
127.5°	139.2	139.2	146.1	153.0	156.4	151.3	142.7	137.5	130.7	118.6	111.7
130°	156.4	156.4	166.8	177.1	182.2	178.8	170.2	163.3	154.7	139.2	130.7
132.5°	171.9	171.9	183.9	197.7	204.6	202.9	194.3	187.4	180.5	161.6	149.6
135°	183.9	185.7	201.1	216.6	225.2	226.9	218.3	209.7	201.1	180.5	166.8
137.5°	190.8	194.3	209.7	228.6	237.2	242.4	237.2	228.6	218.3	196.0	180.5
140°	192.5	194.3	211.4	230.4	239.0	245.8	245.8	235.5	226.9	204.6	187.4
142.5°	187.4	189.1	206.3	223.5	232.1	240.7	242.4	233.8	225.2	204.6	187.4
145°	175.3	178.8	194.3	208.0	220.0	228.6	232.1	226.9	216.6	197.7	182.2
147.5°	159.9	161.6	175.3	187.4	199.4	209.7	214.9	209.7	201.1	183.9	170.2
150°	135.8	137.5	147.8	158.2	171.9	182.2	189.1	185.7	178.8	165.0	151.3
152.5°	110.0	110.0	118.6	127.2	139.2	149.6	156.4	154.7	149.6	137.5	127.2
155°	84.2	84.2	89.4	96.3	106.6	113.5	120.3	120.3	116.9	108.3	99.7
157.5°	60.2	60.2	65.3	70.5	77.4	84.2	89.4	89.4	87.7	80.8	75.6
160°	39.5	39.5	43.0	46.4	53.3	56.7	61.9	61.9	60.2	56.7	53.3
162.5°	20.6	20.6	24.1	25.8	30.9	34.4	37.8	39.5	39.5	36.1	34.4
165°	6.9	6.9	6.9	8.6	12.0	15.5	17.2	18.9	18.9	17.2	17.2
167.5°	1.7	1.7	1.7	1.7	1.7	1.7	3.4	5.2	5.2	5.2	5.2
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°	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8	3293.8
2.5°	3058.2	3214.7	3348.8	3489.7	3646.2	3778.5	3912.6	3986.6	4050.2	4038.1	4038.1
5°	2877.7	3034.2	3197.5	3369.4	3580.8	3797.5	4003.7	4151.6	4228.9	4241.0	4239.3
7.5°	2578.6	2724.7	2879.5	3070.3	3317.8	3582.6	3862.8	4094.9	4241.0	4268.5	4273.6
10°	2282.9	2393.0	2523.6	2654.3	2876.0	3118.4	3369.4	3555.1	3697.7	3718.4	3742.4
12.5°	2105.9	2166.0	2250.3	2341.4	2485.8	2662.9	2869.1	2975.7	3066.8	3077.2	3099.5
15°	2014.8	2044.0	2064.6	2097.3	2183.2	2293.3	2387.8	2492.7	2530.5	2556.3	2568.3
17.5°	1978.7	1975.2	1954.6	1954.6	1961.5	2002.7	2062.9	2099.0	2123.1	2135.1	2138.5
20°	1904.7	1873.8	1832.5	1777.5	1748.3	1734.6	1750.0	1758.6	1751.7	1743.1	1758.6
22.5°	1827.4	1762.1	1688.1	1624.5	1548.9	1502.5	1457.8	1442.3	1423.4	1435.4	1435.4
25°	1803.3	1688.1	1569.5	1462.9	1349.5	1272.1	1189.6	1160.4	1131.2	1155.2	1155.2
27.5°	1065.8	1065.8	998.8	909.4	811.4	770.1	737.5	718.6	706.5	711.7	711.7
30°	954.1	909.4	868.1	811.4	735.8	685.9	642.9	617.2	605.1	601.7	605.1
32.5°	885.3	850.9	801.1	744.4	677.3	622.3	574.2	548.4	529.5	532.9	534.6
35°	792.5	756.4	713.4	660.1	603.4	551.8	508.8	483.1	465.9	465.9	467.6
37.5°	734.0	697.9	656.7	608.6	553.5	503.7	464.2	433.2	417.7	416.0	416.0
40°	697.9	661.8	624.0	575.9	524.3	472.7	433.2	405.7	386.8	386.8	388.5
42.5°	632.6	598.2	565.6	522.6	476.2	431.5	393.7	369.6	350.7	347.3	350.7
45°	532.9	514.0	488.2	459.0	419.5	383.4	349.0	328.3	312.9	312.9	311.2
47.5°	488.2	469.3	441.8	412.6	379.9	343.8	316.3	297.4	283.6	283.6	283.6
50°	471.0	450.4	416.0	383.4	345.5	314.6	290.5	271.6	261.3	261.3	259.6
52.5°	479.6	447.0	402.3	355.8	319.7	288.8	264.7	245.8	237.2	237.2	235.5
55°	526.0	467.6	402.3	345.5	302.6	268.2	244.1	223.5	214.9	214.9	214.9
57.5°	544.9	479.6	398.8	335.2	287.1	251.0	221.8	202.9	194.3	194.3	192.5
60°	510.6	455.6	381.6	321.5	275.1	239.0	211.4	192.5	182.2	182.2	180.5
62.5°	434.9	395.4	338.7	294.0	257.9	225.2	201.1	182.2	173.6	173.6	173.6
65°	390.2	355.8	311.2	271.6	239.0	211.4	189.1	173.6	165.0	165.0	165.0
67.5°	364.4	335.2	290.5	252.7	220.0	194.3	173.6	159.9	153.0	151.3	153.0
70°	336.9	306.0	264.7	228.6	199.4	175.3	156.4	142.7	135.8	135.8	135.8
72.5°	307.7	278.5	239.0	206.3	177.1	158.2	139.2	127.2	120.3	120.3	118.6
75°	280.2	251.0	213.2	182.2	158.2	139.2	123.8	113.5	106.6	106.6	106.6
77.5°	254.4	226.9	190.8	163.3	141.0	125.5	110.0	101.4	96.3	96.3	94.5
80°	230.4	204.6	170.2	146.1	125.5	111.7	98.0	91.1	86.0	86.0	86.0
82.5°	206.3	182.2	151.3	128.9	111.7	98.0	87.7	80.8	77.4	75.6	77.4
85°	183.9	161.6	134.1	113.5	98.0	86.0	77.4	70.5	67.0	67.0	67.0
87.5°	163.3	142.7	118.6	99.7	86.0	75.6	67.0	61.9	60.2	58.4	58.4
90°	141.0	122.1	101.4	86.0	73.9	65.3	56.7	53.3	49.9	49.9	49.9
92.5°	125.5	110.0	91.1	77.4	67.0	60.2	53.3	49.9	46.4	46.4	46.4
95°	110.0	96.3	80.8	70.5	61.9	55.0	49.9	46.4	44.7	44.7	44.7
97.5°	94.5	84.2	72.2	63.6	56.7	51.6	46.4	43.0	41.3	41.3	41.3
100°	79.1	72.2	63.6	56.7	51.6	46.4	41.3	39.5	37.8	37.8	37.8
102.5°	65.3	60.2	53.3	48.1	43.0	39.5	36.1	34.4	32.7	32.7	32.7
105°	56.7	53.3	48.1	43.0	39.5	36.1	32.7	29.2	29.2	29.2	29.2
107.5°	53.3	48.1	44.7	41.3	37.8	32.7	30.9	27.5	25.8	25.8	25.8
110°	51.6	48.1	44.7	39.5	36.1	32.7	29.2	25.8	24.1	24.1	24.1

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CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	178°	180°
112.5°	51.6	48.1	44.7	41.3	37.8	32.7	30.9	24.1	22.3	22.3	22.3
115°	55.0	51.6	46.4	43.0	37.8	34.4	30.9	24.1	22.3	22.3	22.3
117.5°	58.4	55.0	49.9	46.4	41.3	36.1	30.9	24.1	22.3	22.3	22.3
120°	67.0	61.9	55.0	49.9	44.7	37.8	32.7	24.1	20.6	22.3	22.3
122.5°	75.6	70.5	61.9	55.0	48.1	41.3	32.7	24.1	20.6	22.3	22.3
125°	89.4	80.8	70.5	61.9	51.6	43.0	34.4	24.1	18.9	20.6	22.3
127.5°	104.9	94.5	80.8	68.8	56.7	44.7	34.4	24.1	18.9	20.6	20.6
130°	122.1	108.3	91.1	73.9	60.2	46.4	34.4	24.1	18.9	20.6	20.6
132.5°	139.2	120.3	99.7	80.8	63.6	48.1	34.4	22.3	18.9	18.9	18.9
135°	153.0	130.7	106.6	84.2	65.3	48.1	32.7	22.3	17.2	17.2	17.2
137.5°	165.0	139.2	111.7	86.0	65.3	46.4	30.9	20.6	15.5	15.5	15.5
140°	171.9	142.7	113.5	84.2	61.9	44.7	29.2	18.9	13.8	13.8	13.8
142.5°	171.9	141.0	110.0	82.5	58.4	41.3	25.8	15.5	12.0	12.0	12.0
145°	165.0	134.1	104.9	77.4	53.3	36.1	22.3	13.8	10.3	10.3	10.3
147.5°	154.7	123.8	96.3	70.5	48.1	30.9	18.9	12.0	8.6	8.6	8.6
150°	137.5	110.0	84.2	60.2	41.3	25.8	15.5	10.3	6.9	6.9	6.9
152.5°	115.2	91.1	70.5	49.9	34.4	20.6	13.8	6.9	5.2	5.2	5.2
155°	91.1	72.2	55.0	39.5	25.8	15.5	10.3	6.9	3.4	3.4	3.4
157.5°	68.8	53.3	41.3	29.2	18.9	12.0	6.9	5.2	3.4	3.4	3.4
160°	48.1	37.8	27.5	18.9	12.0	8.6	5.2	3.4	1.7	1.7	1.7
162.5°	30.9	24.1	17.2	12.0	6.9	5.2	3.4	1.7	1.7	1.7	0.0
165°	15.5	12.0	8.6	5.2	3.4	1.7	1.7	1.7	0.0	0.0	0.0
167.5°	3.4	3.4	3.4	1.7	1.7	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)