

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: P853444

Luminaire Tested: **CRTK-N-50-727-U-T2R-RMARROA5**

Issue Date: 7/11/2024

Test Information

Test Method: LM-79-08
Report Number: P853444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-111-5)
Test Lab: INNOVATION CENTER
Issue Date: 7/11/2024
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK-N-50-727-U-T2R-RMARROA5
Description:
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

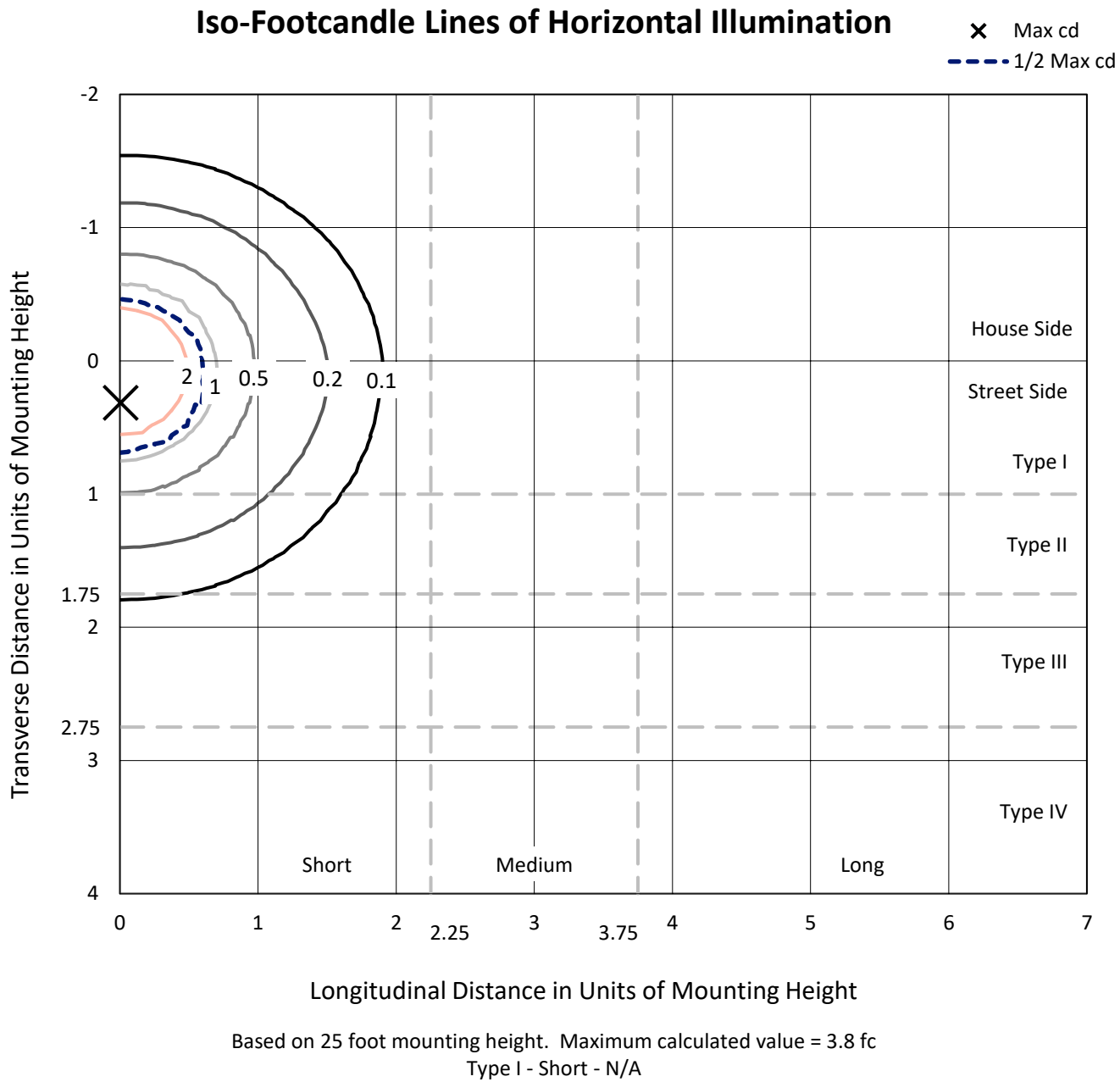
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5199 lumens
Efficiency: N/A
Efficacy: 109.0 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.83' x H: 0.54')
IES Classification: Type I - Short
BUG Rating: B2 - U4 - G2

Input Watts (W): 47.7
Input Voltage (V): 120.0
Input Current (Ain): 0.398
Voltage Rise (V): NR
Power Factor: 0.9969
Total Harmonic Distortion (THDi): 6.56%
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



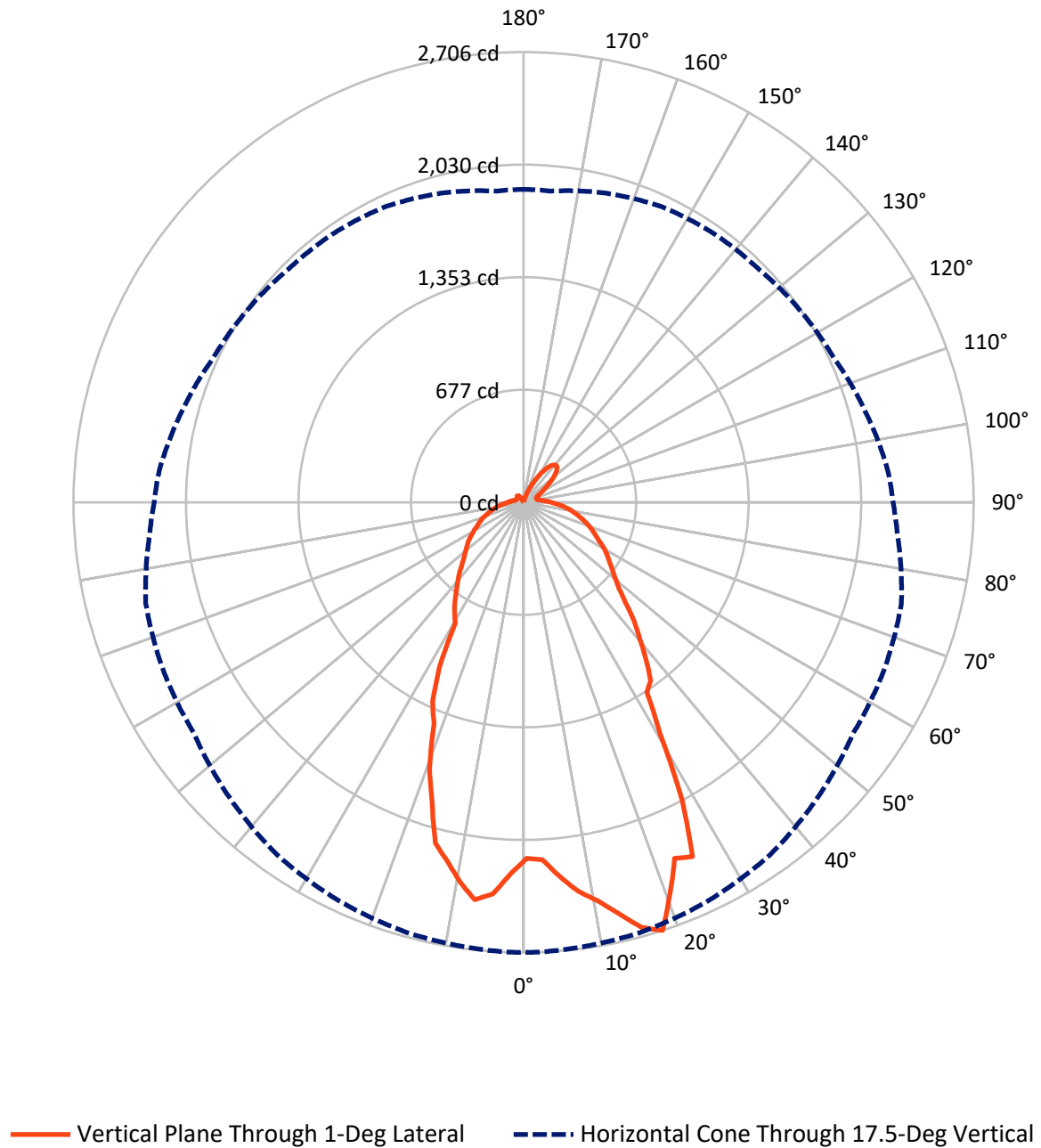
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Luminous Intensity Polar Plot



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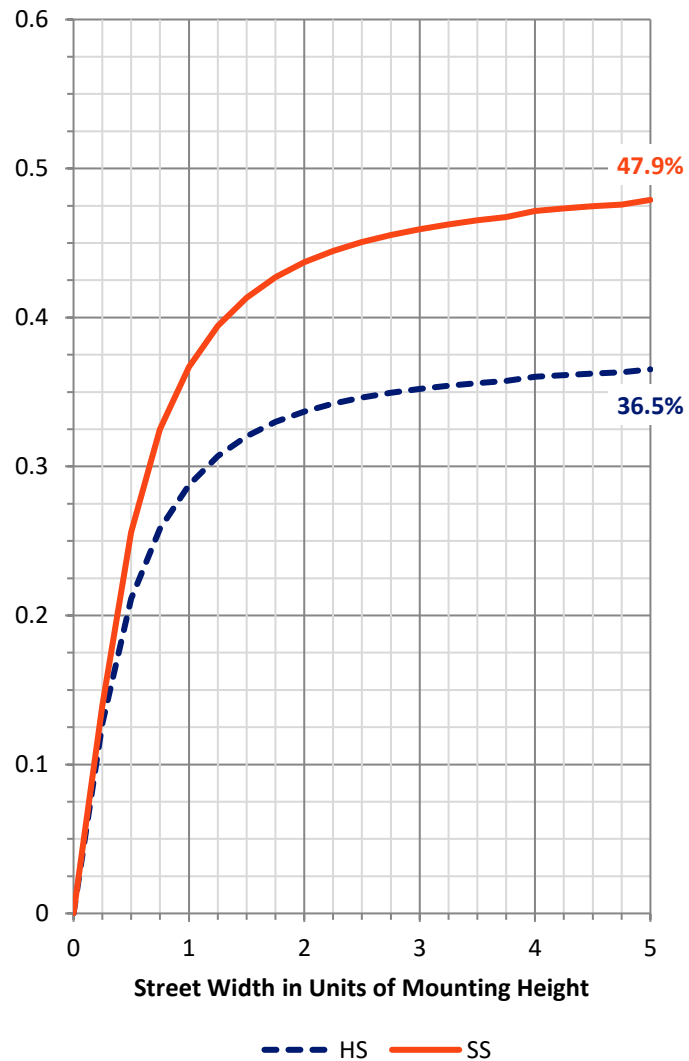
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1954.6	252.4	2207.0
	% Fixture	37.6	4.9	42.5
Street Side	Lumens	2551.5	440.5	2992.0
	% Fixture	49.1	8.5	57.5
Total	Lumens	4506.1	692.9	5199.0
	% Fixture	86.7	13.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.8	4.1
10°-20°	634.6	12.2
20°-30°	794.7	15.3
30°-40°	671.2	12.9
40°-50°	590.8	11.4
50°-60°	549.8	10.6
60°-70°	468.0	9.0
70°-80°	355.6	6.8
80°-90°	226.5	4.4
90°-100°	123.4	2.4
100°-110°	76.2	1.5
110°-120°	77.6	1.5
120°-130°	113.3	2.2
130°-140°	147.4	2.8
140°-150°	111.4	2.1
150°-160°	39.3	0.8
160°-170°	4.3	0.1
170°-180°	0.0	0.0
0°-90°	4506.1	86.7
0°-180°	5199.0	100.0

Coefficient of Utilization



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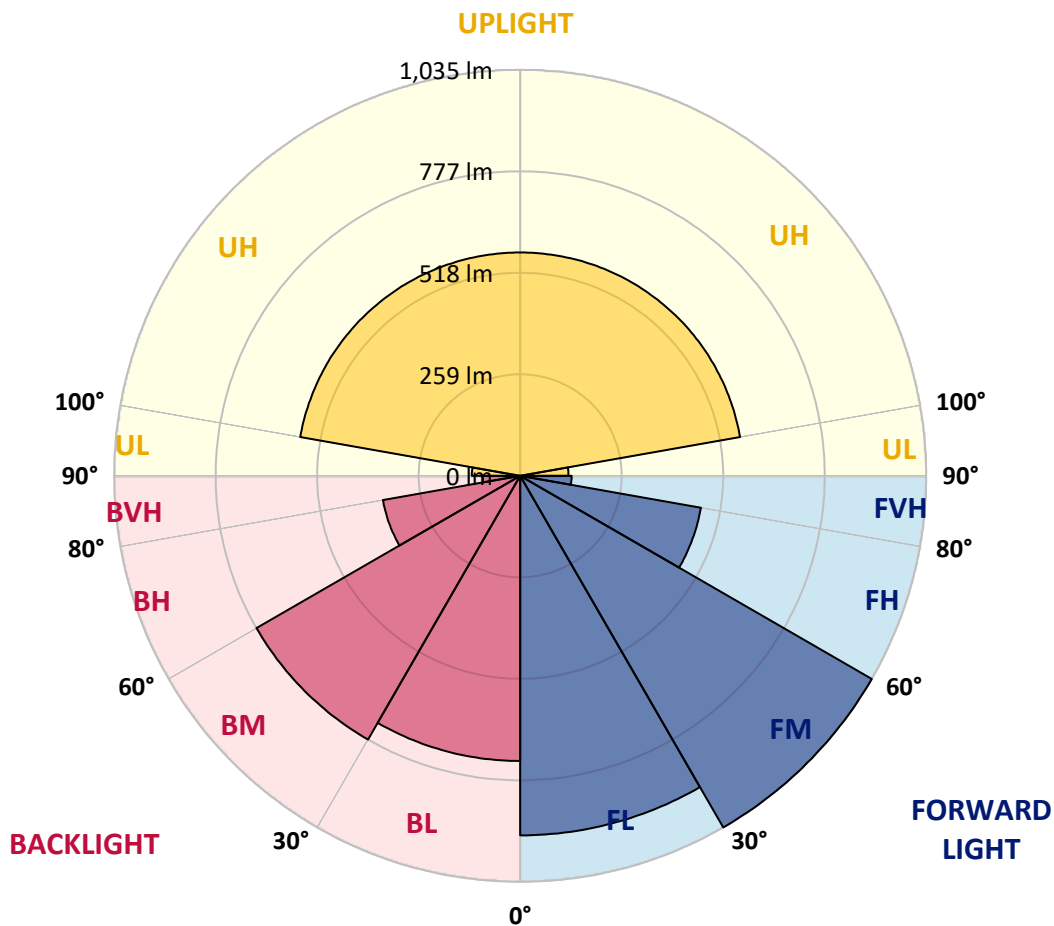
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	916.8	17.6			
FM	(30°-60°)	1035.4	19.9			
FH	(60°-80°)	468.2	9.0			G0/660
FVH	(80°-90°)	131.1	2.5			G2/225
BL	(0°-30°)	727.2	14.0	B2/1000		
BM	(30°-60°)	776.5	14.9	B1/1000		
BH	(60°-80°)	355.4	6.8	B1/500		G1/500
BVH	(80°-90°)	95.4	1.8			G1/100
UL	(90°-100°)	123.4	2.4		U3/500	
UH	(100°-180°)	569.5	11.0		U4/1000	

BUG Rating: B2-U4-G2

Type I Short



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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8
2.5°	2149.6	2151.2	2156.1	2164.2	2164.2	2164.2	2164.2	2157.7	2167.5	2164.2	2157.7
5°	2258.6	2258.6	2261.9	2266.8	2261.9	2255.4	2250.5	2239.1	2240.7	2231.0	2221.2
7.5°	2361.1	2361.1	2364.4	2367.6	2351.4	2348.1	2327.0	2296.0	2263.5	2227.7	2190.3
10°	2432.7	2434.4	2440.9	2437.6	2426.2	2405.1	2357.9	2297.7	2237.5	2174.0	2121.9
12.5°	2535.3	2535.3	2533.6	2543.4	2520.6	2484.8	2413.2	2328.6	2261.9	2191.9	2117.1
15°	2645.9	2650.8	2667.1	2670.3	2636.1	2584.1	2502.7	2418.1	2341.6	2266.8	2178.9
17.5°	2704.5	2706.1	2701.2	2680.1	2639.4	2585.7	2504.3	2419.7	2390.4	2351.4	2257.0
20°	2510.8	2512.5	2527.1	2523.9	2515.7	2592.2	2514.1	2406.7	2331.8	2208.2	2037.3
22.5°	2325.3	2325.3	2354.6	2431.1	2385.5	2346.5	2255.4	2206.5	2042.2	2019.4	1936.4
25°	2354.6	2359.5	2351.4	2231.0	2135.0	2174.0	2069.9	1957.6	1973.9	1925.0	1741.2
27.5°	2025.9	2030.8	2053.6	2102.4	1991.8	1926.7	1861.6	1728.1	1746.0	1695.6	1721.6
30°	1628.9	1619.1	1627.2	1641.9	1571.9	1554.0	1539.4	1508.5	1508.5	1344.1	1243.2
32.5°	1355.5	1360.4	1363.6	1358.8	1355.5	1360.4	1332.7	1308.3	1288.8	1253.0	1217.2
35°	1318.1	1316.4	1319.7	1303.4	1277.4	1272.5	1261.1	1257.9	1240.0	1191.1	1165.1
37.5°	1196.0	1194.4	1199.3	1192.8	1165.1	1170.0	1161.9	1150.5	1129.3	1077.2	1057.7
40°	1075.6	1074.0	1075.6	1070.7	1046.3	1041.4	1036.6	1030.0	1012.1	974.7	961.7
42.5°	978.0	974.7	978.0	973.1	948.7	945.4	942.2	938.9	927.5	899.9	896.6
45°	859.2	857.6	860.8	862.4	847.8	855.9	859.2	857.6	849.4	829.9	825.0
47.5°	769.7	769.7	771.3	782.7	777.8	789.2	795.7	799.0	803.9	808.7	808.7
50°	712.7	712.7	712.7	727.4	738.8	763.2	774.6	782.7	792.5	781.1	771.3
52.5°	665.5	667.2	668.8	681.8	699.7	724.1	742.0	756.7	761.6	750.2	745.3
55°	626.5	624.9	629.7	641.1	660.7	683.4	701.3	717.6	733.9	737.1	737.1
57.5°	589.1	590.7	593.9	607.0	626.5	650.9	676.9	701.3	724.1	745.3	755.0
60°	553.3	553.3	554.9	567.9	585.8	610.2	637.9	659.0	683.4	676.9	680.2
62.5°	509.3	509.3	512.6	524.0	541.9	559.8	577.7	589.1	605.3	605.3	608.6
65°	476.8	475.2	478.4	488.2	504.4	517.5	535.4	546.8	563.0	567.9	572.8
67.5°	444.2	444.2	445.9	454.0	470.3	483.3	496.3	509.3	524.0	528.9	535.4
70°	414.9	414.9	414.9	423.1	437.7	449.1	460.5	471.9	486.5	486.5	494.7
72.5°	380.8	380.8	387.3	390.5	406.8	416.6	426.3	434.5	447.5	447.5	454.0
75°	351.5	348.2	353.1	358.0	372.6	380.8	387.3	395.4	408.4	406.8	411.7
77.5°	320.6	317.3	322.2	327.1	336.8	345.0	348.2	356.4	364.5	362.9	367.8
80°	288.0	286.4	291.3	292.9	302.7	309.2	312.4	317.3	325.4	322.2	328.7
82.5°	257.1	253.9	258.7	260.4	266.9	273.4	276.6	279.9	286.4	283.1	288.0
85°	224.6	221.3	224.6	227.8	232.7	239.2	240.8	242.5	250.6	245.7	250.6
87.5°	192.0	188.8	193.6	195.3	200.2	205.0	208.3	208.3	214.8	209.9	214.8
90°	164.4	161.1	164.4	166.0	169.2	174.1	175.7	177.4	182.3	177.4	182.3
92.5°	138.3	135.1	138.3	139.9	143.2	148.1	151.3	151.3	156.2	149.7	154.6
95°	117.2	113.9	117.2	118.8	120.4	123.7	126.9	128.6	131.8	126.9	130.2
97.5°	100.9	99.3	100.9	100.9	102.5	105.8	109.0	110.7	112.3	107.4	109.0
100°	89.5	87.9	89.5	89.5	89.5	91.1	92.8	94.4	96.0	91.1	92.8
102.5°	83.0	83.0	83.0	83.0	83.0	84.6	86.2	86.2	84.6	81.4	81.4
105°	79.7	79.7	79.7	79.7	79.7	81.4	81.4	81.4	79.7	78.1	76.5
107.5°	79.7	81.4	79.7	79.7	79.7	81.4	81.4	79.7	78.1	76.5	73.2
110°	83.0	84.6	83.0	83.0	83.0	83.0	83.0	81.4	78.1	76.5	73.2

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CANDELA DISTRIBUTION (continued):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
112.5°	87.9	89.5	89.5	89.5	87.9	87.9	86.2	84.6	81.4	79.7	76.5
115°	96.0	99.3	97.6	97.6	96.0	96.0	94.4	91.1	87.9	86.2	83.0
117.5°	109.0	112.3	110.7	110.7	110.7	107.4	104.1	100.9	97.6	96.0	92.8
120°	126.9	130.2	128.6	128.6	128.6	123.7	122.0	115.5	112.3	110.7	105.8
122.5°	149.7	153.0	151.3	149.7	151.3	144.8	141.6	135.1	130.2	130.2	122.0
125°	175.7	180.6	179.0	177.4	177.4	170.9	167.6	159.5	153.0	151.3	143.2
127.5°	206.7	211.5	209.9	208.3	206.7	200.2	196.9	187.1	179.0	175.7	166.0
130°	237.6	242.5	240.8	239.2	239.2	232.7	227.8	218.1	208.3	200.2	187.1
132.5°	265.2	268.5	266.9	266.9	268.5	263.6	258.7	245.7	232.7	221.3	206.7
135°	286.4	288.0	288.0	288.0	291.3	286.4	279.9	268.5	252.2	237.6	222.9
137.5°	296.2	296.2	296.2	297.8	301.0	297.8	291.3	281.5	265.2	249.0	232.7
140°	292.9	291.3	292.9	294.5	297.8	297.8	291.3	281.5	266.9	249.0	234.3
142.5°	279.9	276.6	278.3	281.5	283.1	288.0	281.5	271.8	258.7	240.8	227.8
145°	255.5	250.6	252.2	255.5	257.1	263.6	258.7	250.6	240.8	224.6	213.2
147.5°	222.9	218.1	219.7	224.6	222.9	229.4	226.2	221.3	214.8	198.5	190.4
150°	185.5	179.0	182.3	185.5	182.3	188.8	185.5	183.9	180.6	167.6	161.1
152.5°	146.5	139.9	143.2	146.5	141.6	146.5	143.2	144.8	143.2	131.8	128.6
155°	112.3	107.4	109.0	110.7	105.8	109.0	107.4	109.0	109.0	99.3	97.6
157.5°	81.4	76.5	78.1	79.7	76.5	78.1	78.1	78.1	79.7	71.6	70.0
160°	53.7	50.4	52.1	52.1	50.4	52.1	52.1	52.1	53.7	47.2	47.2
162.5°	30.9	27.7	29.3	30.9	29.3	30.9	30.9	32.5	32.5	27.7	27.7
165°	13.0	9.8	11.4	11.4	11.4	13.0	13.0	14.6	14.6	11.4	11.4
167.5°	0.0	0.0	0.0	0.0	0.0	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

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8	2139.8
2.5°	2157.7	2164.2	2174.0	2185.4	2191.9	2201.7	2209.8	2221.2	2232.6	2237.5	2232.6
5°	2217.9	2224.4	2232.6	2244.0	2250.5	2253.7	2274.9	2309.1	2340.0	2361.1	2361.1
7.5°	2177.3	2172.4	2180.5	2193.5	2204.9	2229.3	2258.6	2304.2	2364.4	2403.4	2408.3
10°	2100.8	2095.9	2087.8	2095.9	2104.0	2126.8	2157.7	2203.3	2266.8	2309.1	2313.9
12.5°	2092.6	2079.6	2066.6	2066.6	2066.6	2078.0	2102.4	2135.0	2172.4	2200.0	2206.5
15°	2151.2	2135.0	2110.5	2099.2	2084.5	2073.1	2074.7	2082.9	2107.3	2120.3	2115.4
17.5°	2221.2	2198.4	2125.2	2056.8	2022.7	1990.1	1978.7	1960.8	1923.4	1877.8	1881.1
20°	2011.3	1998.3	2003.1	1973.9	1929.9	1850.2	1708.6	1663.0	1671.2	1694.0	1692.3
22.5°	1897.4	1861.6	1786.7	1689.1	1697.2	1580.1	1567.0	1557.3	1471.0	1440.1	1435.2
25°	1698.8	1698.8	1700.5	1560.5	1492.2	1415.7	1358.8	1319.7	1292.0	1295.3	1323.0
27.5°	1679.3	1615.9	1482.4	1345.7	1264.4	1251.4	1204.2	1114.7	1119.5	1117.9	1111.4
30°	1220.4	1202.5	1225.3	1191.1	1129.3	1065.8	1010.5	961.7	912.9	841.3	831.5
32.5°	1194.4	1171.6	1121.2	1056.1	1002.4	948.7	895.0	849.4	807.1	786.0	781.1
35°	1152.1	1130.9	1077.2	1012.1	956.8	901.5	844.5	795.7	751.8	737.1	727.4
37.5°	1051.2	1033.3	987.7	929.2	878.7	828.3	772.9	732.3	694.8	680.2	670.4
40°	955.2	942.2	899.9	849.4	800.6	755.0	709.5	673.7	642.8	628.1	621.6
42.5°	891.7	877.1	834.8	784.3	742.0	694.8	655.8	623.2	595.6	582.6	576.0
45°	821.8	810.4	771.3	727.4	685.1	636.3	602.1	571.2	545.1	533.7	527.2
47.5°	799.0	781.1	732.3	685.1	642.8	597.2	561.4	528.9	506.1	496.3	489.8
50°	764.8	748.5	703.0	657.4	611.8	564.7	527.2	494.7	473.5	463.8	458.9
52.5°	733.9	712.7	670.4	621.6	576.0	530.5	496.3	468.6	447.5	437.7	432.8
55°	729.0	704.6	657.4	603.7	550.0	506.1	470.3	442.6	421.5	413.3	408.4
57.5°	738.8	711.1	647.6	580.9	525.6	480.0	444.2	418.2	397.0	384.0	379.1
60°	681.8	663.9	602.1	551.6	499.6	452.4	416.6	388.9	364.5	356.4	349.9
62.5°	607.0	592.3	546.8	501.2	460.5	419.8	385.7	358.0	335.2	327.1	322.2
65°	569.5	556.5	515.8	471.9	432.8	395.4	359.6	333.6	312.4	304.3	299.4
67.5°	533.7	522.3	484.9	441.0	403.6	364.5	335.2	309.2	289.7	281.5	278.3
70°	493.1	483.3	445.9	405.2	367.8	335.2	309.2	284.8	266.9	260.4	255.5
72.5°	452.4	441.0	406.8	364.5	333.6	302.7	279.9	258.7	240.8	234.3	231.1
75°	411.7	400.3	362.9	328.7	299.4	273.4	252.2	232.7	218.1	211.5	208.3
77.5°	367.8	356.4	325.4	294.5	268.5	245.7	226.2	209.9	195.3	190.4	187.1
80°	327.1	315.7	289.7	260.4	237.6	218.1	201.8	185.5	174.1	169.2	167.6
82.5°	288.0	278.3	253.9	229.4	208.3	190.4	177.4	164.4	154.6	149.7	148.1
85°	249.0	240.8	219.7	198.5	180.6	166.0	151.3	141.6	133.4	130.2	126.9
87.5°	213.2	205.0	187.1	169.2	154.6	141.6	128.6	120.4	113.9	112.3	107.4
90°	180.6	174.1	159.5	144.8	131.8	120.4	110.7	104.1	97.6	96.0	94.4
92.5°	154.6	148.1	136.7	125.3	115.5	104.1	97.6	91.1	87.9	86.2	84.6
95°	130.2	126.9	117.2	107.4	100.9	92.8	86.2	81.4	78.1	78.1	76.5
97.5°	110.7	107.4	99.3	94.4	87.9	81.4	76.5	73.2	71.6	71.6	68.3
100°	92.8	91.1	84.6	79.7	76.5	71.6	66.7	65.1	63.5	63.5	61.8
102.5°	81.4	79.7	74.9	70.0	66.7	63.5	60.2	58.6	57.0	57.0	55.3
105°	74.9	73.2	68.3	65.1	61.8	58.6	55.3	53.7	52.1	52.1	50.4
107.5°	71.6	70.0	66.7	63.5	58.6	55.3	53.7	52.1	47.2	48.8	48.8
110°	71.6	70.0	66.7	63.5	58.6	55.3	53.7	50.4	43.9	47.2	45.6

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	74.9	73.2	70.0	65.1	60.2	57.0	53.7	50.4	42.3	45.6	45.6
115°	81.4	78.1	74.9	70.0	65.1	60.2	57.0	52.1	42.3	43.9	43.9
117.5°	89.5	86.2	83.0	76.5	70.0	65.1	60.2	53.7	43.9	43.9	43.9
120°	102.5	97.6	92.8	84.6	76.5	71.6	65.1	57.0	45.6	45.6	45.6
122.5°	117.2	112.3	105.8	94.4	84.6	78.1	70.0	61.8	47.2	47.2	47.2
125°	135.1	130.2	122.0	107.4	94.4	87.9	76.5	65.1	50.4	48.8	48.8
127.5°	157.8	149.7	138.3	120.4	105.8	97.6	83.0	68.3	52.1	48.8	50.4
130°	179.0	169.2	154.6	135.1	118.8	105.8	91.1	73.2	55.3	48.8	52.1
132.5°	196.9	187.1	170.9	149.7	130.2	115.5	97.6	76.5	57.0	50.4	52.1
135°	213.2	203.4	183.9	161.1	139.9	122.0	102.5	79.7	58.6	52.1	53.7
137.5°	224.6	214.8	192.0	169.2	146.5	125.3	104.1	81.4	58.6	52.1	52.1
140°	226.2	218.1	193.6	170.9	146.5	125.3	102.5	81.4	58.6	52.1	52.1
142.5°	221.3	211.5	188.8	166.0	143.2	120.4	99.3	76.5	55.3	48.8	48.8
145°	208.3	200.2	177.4	156.2	133.4	112.3	91.1	70.0	50.4	43.9	43.9
147.5°	185.5	179.0	157.8	141.6	118.8	99.3	79.7	61.8	43.9	37.4	37.4
150°	159.5	154.6	135.1	120.4	102.5	83.0	66.7	52.1	35.8	30.9	29.3
152.5°	130.2	125.3	109.0	97.6	81.4	66.7	53.7	40.7	29.3	24.4	22.8
155°	97.6	96.0	81.4	74.9	61.8	50.4	40.7	30.9	21.2	17.9	16.3
157.5°	71.6	68.3	58.6	53.7	45.6	37.4	29.3	22.8	14.6	11.4	9.8
160°	47.2	47.2	39.1	35.8	30.9	24.4	19.5	14.6	9.8	6.5	4.9
162.5°	27.7	27.7	22.8	21.2	19.5	14.6	11.4	9.8	6.5	3.3	3.3
165°	13.0	13.0	9.8	9.8	8.1	8.1	6.5	4.9	3.3	3.3	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	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)