

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: P691303

Luminaire Tested: **CRTK2-C015-D-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691303
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-D-U-T2-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4413 lumens
Efficiency: N/A
Efficacy: 147.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G1

Input Watts (W): 29.9
Input Voltage (V): NR
Input Current (A_{in}): 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

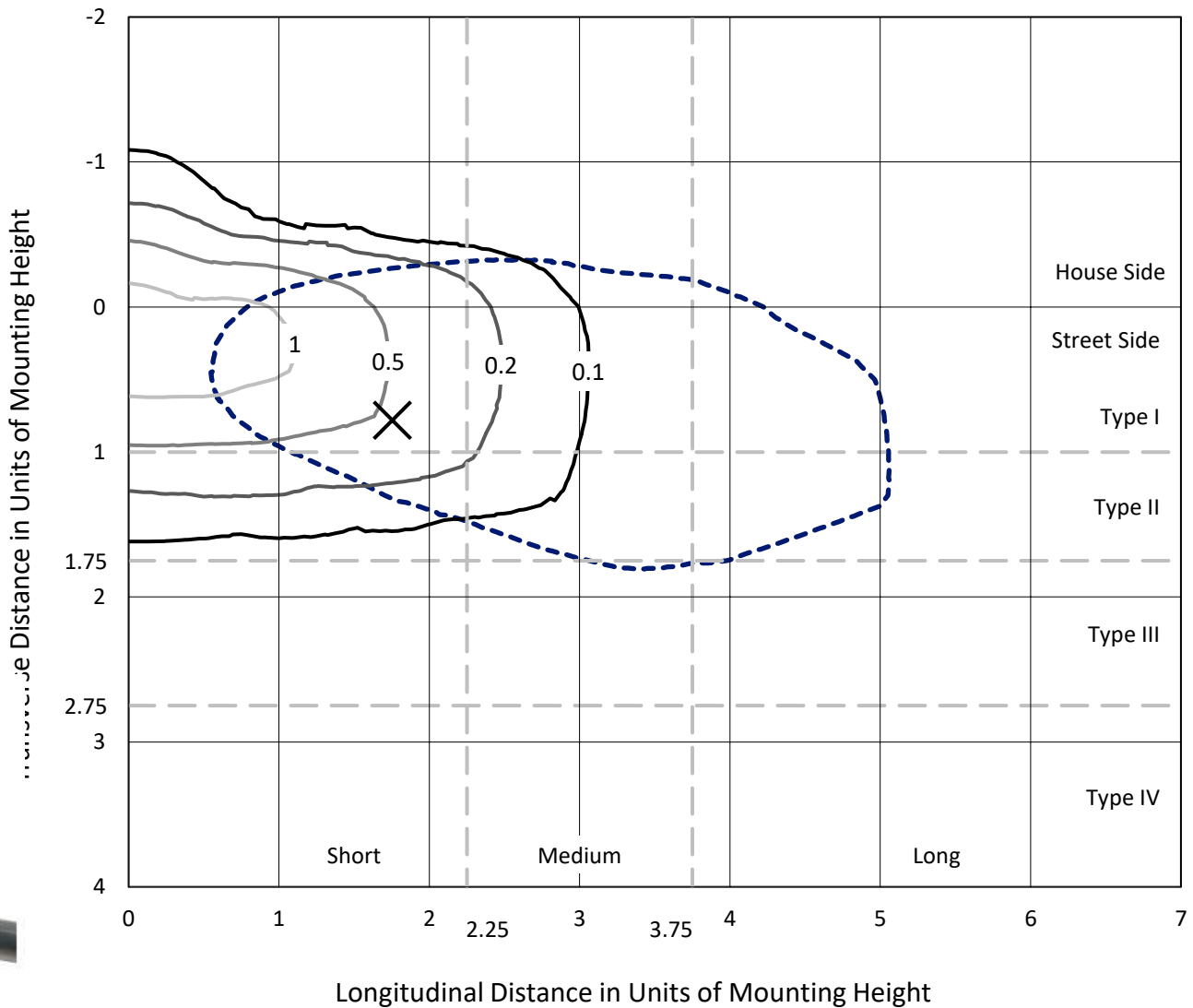


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Iso-Footcandle Lines of Horizontal Illumination

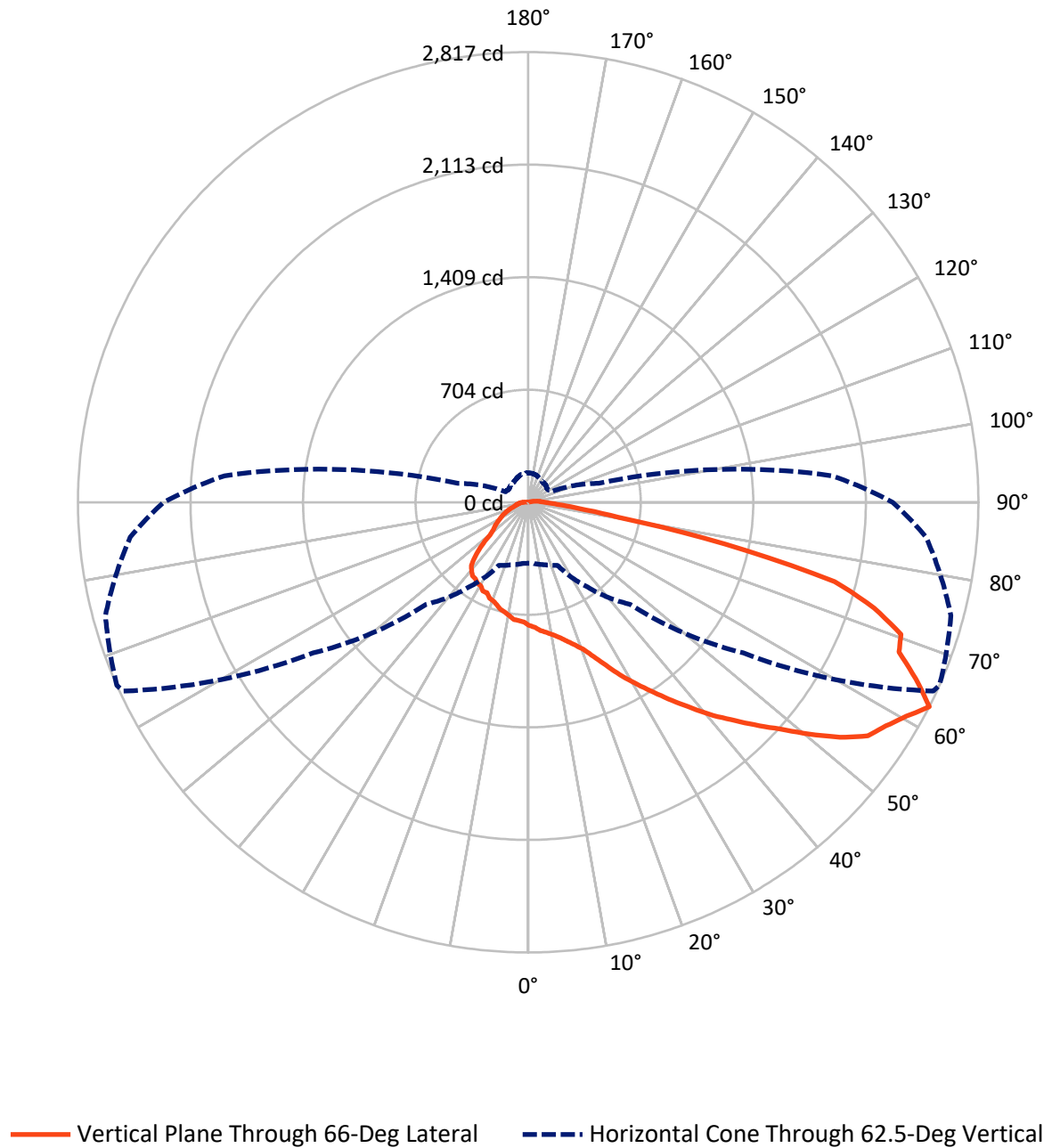
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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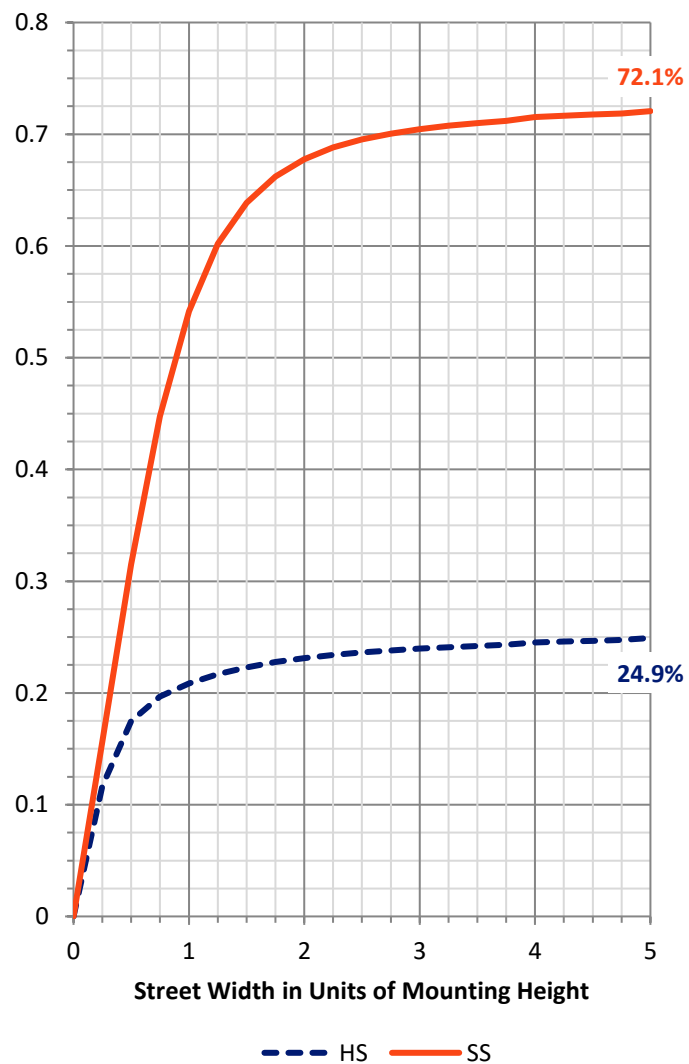
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1148.7	31.8	1180.4
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	3201.2	31.4	3232.6
	% Fixture	72.5	0.7	73.3
Total	Lumens	4349.8	63.2	4413.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.1	1.7
10°-20°	221.9	5.0
20°-30°	375.5	8.5
30°-40°	549.3	12.4
40°-50°	718.0	16.3
50°-60°	835.5	18.9
60°-70°	835.9	18.9
70°-80°	576.7	13.1
80°-90°	163.0	3.7
90°-100°	53.7	1.2
100°-110°	7.4	0.2
110°-120°	0.4	0.0
120°-130°	0.4	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4349.8	98.6
0°-180°	4413.0	100.0

Coefficient of Utilization



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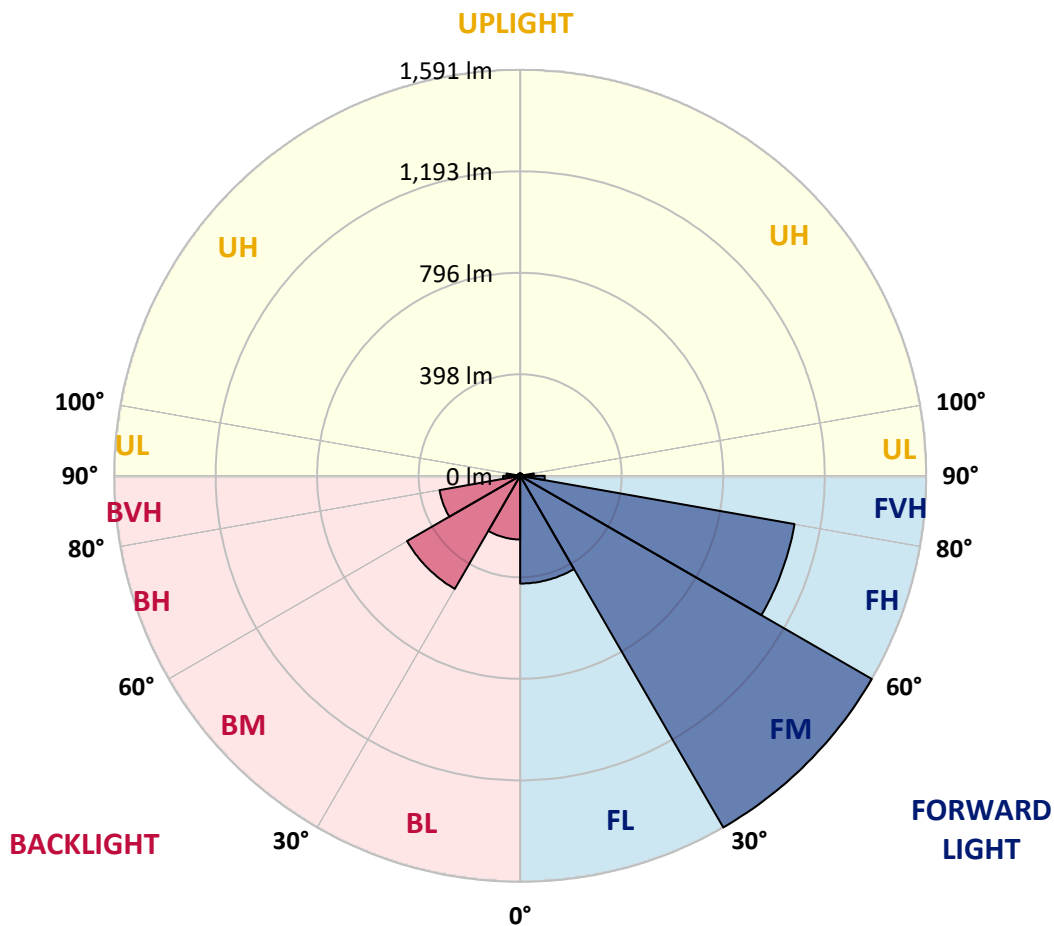
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	422.2	9.6			
FM	(30°-60°)	1591.0	36.1			
FH	(60°-80°)	1091.8	24.7			G1/1800
FVH	(80°-90°)	96.3	2.2			G1/100
BL	(0°-30°)	249.3	5.6	B1/500		
BM	(30°-60°)	511.8	11.6	B1/1000		
BH	(60°-80°)	320.8	7.3	B1/500		G1/500
BVH	(80°-90°)	66.7	1.5			G1/100
UL	(90°-100°)	53.7	1.2		U3/500	
UH	(100°-180°)	9.5	0.2		U1/10	

BUG Rating: B1-U3-G1

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	810.6	809.1	809.1	801.8	794.5	793.0	788.6	782.8	782.8	778.4	771.0
5°	859.0	857.5	859.0	848.7	838.5	829.7	815.0	807.7	806.2	795.9	781.3
7.5°	892.7	891.2	889.8	881.0	876.6	867.8	847.3	825.3	822.3	812.1	793.0
10°	905.9	907.4	914.7	900.0	891.2	883.9	872.2	845.8	842.9	819.4	790.1
12.5°	941.1	942.5	938.1	920.5	917.6	911.8	892.7	870.7	867.8	838.5	797.4
15°	977.7	977.7	971.8	961.6	954.3	948.4	924.9	901.5	900.0	864.8	816.5
17.5°	993.8	996.8	998.2	985.0	982.1	980.6	968.9	939.6	936.7	903.0	842.9
20°	1004.1	1005.6	1007.0	1005.6	1007.0	1005.6	1011.4	988.0	980.6	945.5	872.2
22.5°	1024.6	1027.6	1037.8	1037.8	1042.2	1052.5	1048.1	1051.0	1048.1	1005.6	922.0
25°	1034.9	1039.3	1052.5	1068.6	1087.7	1099.4	1115.5	1127.2	1128.7	1090.6	998.2
27.5°	1018.8	1029.0	1062.7	1087.7	1131.6	1162.4	1200.5	1219.6	1222.5	1185.9	1080.3
30°	1039.3	1039.3	1059.8	1095.0	1149.2	1221.0	1279.7	1309.0	1311.9	1284.1	1162.4
32.5°	1001.2	1010.0	1056.9	1124.3	1202.0	1284.1	1341.2	1398.4	1405.7	1396.9	1279.7
35°	996.8	1001.2	1030.5	1100.8	1204.9	1342.7	1421.9	1496.6	1511.3	1514.2	1392.5
37.5°	955.7	961.6	1015.8	1103.8	1246.0	1383.7	1484.9	1608.0	1621.2	1641.7	1490.8
40°	904.4	913.2	957.2	1055.4	1234.2	1432.1	1552.3	1725.3	1744.3	1769.3	1619.7
42.5°	837.0	853.1	927.9	1033.4	1228.4	1448.2	1616.8	1842.6	1860.1	1886.5	1728.2
45°	779.8	784.2	844.3	954.3	1181.5	1470.2	1676.9	1974.5	1986.2	1999.4	1816.2
47.5°	728.5	737.3	788.6	891.2	1131.6	1465.8	1729.7	2099.1	2119.6	2159.2	1923.2
50°	576.1	596.6	741.7	837.0	1055.4	1452.6	1773.7	2245.7	2279.4	2294.0	2044.8
52.5°	498.4	504.2	577.5	784.2	970.4	1408.7	1811.8	2405.4	2443.5	2409.8	2191.4
55°	460.3	466.1	499.9	677.2	904.4	1319.3	1841.1	2556.4	2579.9	2500.7	2299.9
57.5°	439.8	444.1	461.7	548.2	823.8	1177.1	1844.0	2631.2	2640.0	2572.5	2355.6
60°	404.6	409.0	439.8	477.9	734.4	1026.1	1792.7	2673.7	2719.1	2660.5	2462.6
62.5°	381.1	384.0	404.6	435.4	647.9	903.0	1643.2	2795.4	2817.3	2738.2	2499.3
65°	351.8	354.7	373.8	401.6	592.2	834.1	1578.7	2745.5	2664.9	2719.1	2547.6
67.5°	318.1	322.5	340.1	363.5	499.9	766.6	1392.5	2559.4	2502.2	2622.4	2421.6
70°	287.3	290.2	309.3	322.5	410.4	678.7	1156.5	2414.2	2474.3	2472.9	2307.2
72.5°	253.6	256.5	272.6	284.4	343.0	574.6	917.6	2247.1	2264.7	2201.7	2041.9
75°	218.4	219.9	234.5	246.3	281.4	460.3	669.9	1858.7	1980.3	2104.9	1766.3
77.5°	175.9	180.3	192.0	197.9	225.7	367.9	436.8	1100.8	1257.7	1851.4	1578.7
80°	131.9	131.9	140.7	143.7	167.1	274.1	275.6	530.6	570.2	1177.1	1172.7
82.5°	83.6	88.0	96.7	95.3	112.9	156.8	174.4	294.6	316.6	466.1	520.4
85°	67.4	68.9	74.8	70.4	74.8	85.0	98.2	186.2	193.5	284.4	282.9
87.5°	55.7	57.2	61.6	58.6	60.1	64.5	76.2	124.6	127.5	183.2	189.1
90°	42.5	44.0	49.8	48.4	46.9	52.8	63.0	95.3	99.7	145.1	155.4
92.5°	27.9	27.9	32.2	32.2	32.2	38.1	55.7	73.3	76.2	131.9	139.3
95°	20.5	20.5	22.0	23.5	22.0	27.9	41.0	66.0	71.8	123.1	120.2
97.5°	13.2	13.2	14.7	16.1	14.7	17.6	23.5	46.9	52.8	95.3	93.8
100°	8.8	8.8	8.8	8.8	8.8	8.8	13.2	30.8	35.2	60.1	58.6
102.5°	5.9	5.9	5.9	5.9	4.4	4.4	5.9	14.7	16.1	32.2	30.8
105°	1.5	1.5	2.9	2.9	2.9	1.5	1.5	5.9	7.3	13.2	13.2
107.5°	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	1.5	1.5
110°	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):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	1.5
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.5
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	1.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.5	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°	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0	771.0
2.5°	768.1	763.7	756.4	749.0	744.6	740.2	732.9	727.1	727.1	734.4	734.4
5°	771.0	762.2	747.6	741.7	734.4	724.1	712.4	703.6	699.2	705.1	706.5
7.5°	778.4	765.2	750.5	737.3	712.4	693.3	683.1	671.4	669.9	675.8	678.7
10°	772.5	759.3	741.7	716.8	690.4	675.8	656.7	642.0	642.0	637.6	640.6
12.5°	778.4	760.8	725.6	699.2	675.8	643.5	620.0	605.4	603.9	608.3	608.3
15°	793.0	766.6	721.2	688.9	650.8	618.6	595.1	579.0	583.4	574.6	576.1
17.5°	810.6	771.0	721.2	665.5	623.0	592.2	559.9	540.9	542.4	543.8	545.3
20°	832.6	782.8	713.9	647.9	596.6	552.6	516.0	501.3	496.9	499.9	501.3
22.5°	866.3	809.1	710.9	639.1	559.9	517.4	485.2	455.9	452.9	452.9	452.9
25°	922.0	848.7	724.1	609.8	540.9	476.4	439.8	411.9	398.7	400.2	401.6
27.5°	1007.0	911.8	737.3	611.3	496.9	439.8	394.3	363.5	356.2	357.7	359.1
30°	1096.4	996.8	771.0	581.9	472.0	384.0	337.1	315.2	306.4	302.0	303.4
32.5°	1165.3	1071.5	817.9	573.1	426.6	323.9	294.6	277.0	265.3	260.9	260.9
35°	1275.3	1144.8	856.0	551.2	379.7	285.8	262.4	243.3	237.5	234.5	234.5
37.5°	1369.1	1225.4	895.6	542.4	322.5	256.5	227.2	215.5	215.5	212.5	211.1
40°	1470.2	1310.5	917.6	516.0	278.5	225.7	196.4	195.0	199.4	199.4	199.4
42.5°	1591.9	1398.4	941.1	485.2	244.8	190.6	174.4	186.2	196.4	199.4	199.4
45°	1682.8	1454.1	951.3	419.2	211.1	165.6	171.5	183.2	196.4	200.8	199.4
47.5°	1760.5	1534.7	936.7	338.6	181.8	161.2	168.6	178.8	195.0	200.8	200.8
50°	1838.2	1603.6	926.4	244.8	170.0	161.2	168.6	173.0	190.6	197.9	197.9
52.5°	1952.5	1657.9	885.4	205.2	161.2	162.7	171.5	171.5	187.6	196.4	200.8
55°	2099.1	1782.5	807.7	192.0	158.3	161.2	173.0	173.0	184.7	193.5	196.4
57.5°	2159.2	1826.4	674.3	180.3	155.4	161.2	168.6	171.5	186.2	192.0	190.6
60°	2238.3	1898.3	552.6	168.6	149.5	158.3	162.7	173.0	184.7	186.2	184.7
62.5°	2280.8	1907.1	457.3	156.8	145.1	153.9	155.4	167.1	178.8	183.2	184.7
65°	2304.3	1898.3	338.6	145.1	140.7	148.0	149.5	159.8	171.5	174.4	175.9
67.5°	2219.3	1838.2	234.5	133.4	136.3	140.7	143.7	153.9	162.7	171.5	174.4
70°	2066.8	1663.7	167.1	118.7	129.0	133.4	139.3	149.5	158.3	170.0	173.0
72.5°	1898.3	1339.8	123.1	101.1	118.7	124.6	134.9	142.2	155.4	170.0	174.4
75°	1739.9	1175.6	98.2	86.5	101.1	114.3	127.5	137.8	156.8	208.1	215.5
77.5°	1234.2	794.5	88.0	76.2	86.5	99.7	117.3	134.9	218.4	247.7	249.2
80°	895.6	467.6	79.2	67.4	74.8	80.6	107.0	165.6	241.9	228.7	228.7
82.5°	448.5	250.7	74.8	60.1	64.5	66.0	95.3	211.1	195.0	203.8	205.2
85°	216.9	121.7	61.6	52.8	55.7	54.2	89.4	200.8	184.7	186.2	183.2
87.5°	136.3	74.8	48.4	44.0	45.4	44.0	85.0	192.0	193.5	158.3	161.2
90°	123.1	88.0	38.1	35.2	30.8	36.6	76.2	178.8	189.1	114.3	95.3
92.5°	118.7	95.3	27.9	24.9	22.0	29.3	57.2	145.1	115.8	48.4	29.3
95°	105.5	83.6	23.5	17.6	20.5	24.9	36.6	96.7	77.7	0.0	0.0
97.5°	79.2	61.6	19.1	11.7	66.0	22.0	20.5	63.0	22.0	0.0	0.0
100°	49.8	38.1	14.7	8.8	74.8	14.7	13.2	36.6	0.0	0.0	0.0
102.5°	27.9	20.5	7.3	5.9	32.2	7.3	8.8	8.8	0.0	0.0	0.0
105°	11.7	10.3	2.9	2.9	2.9	1.5	4.4	0.0	0.0	0.0	0.0
107.5°	2.9	4.4	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
110°	1.5	1.5	1.5	1.5	1.5	1.5	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°
112.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
115°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
117.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
120°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
122.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
125°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
127.5°	1.5	1.5	1.5	2.9	1.5	1.5	0.0	0.0	0.0	0.0	0.0
130°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
132.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
135°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
137.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
140°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
142.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
145°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
147.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
150°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
152.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
155°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
157.5°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
160°	1.5	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0
162.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
165°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
167.5°	1.5	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.5	1.5	1.5	1.5	1.5	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.5	1.5	1.5	1.5	1.5	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)