

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: P691671

Luminaire Tested: **CRTK2-C018-D-U-T2-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691671
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-C018-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: 6877 lumens
Efficiency: N/A
Efficacy: 136.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 50.4
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



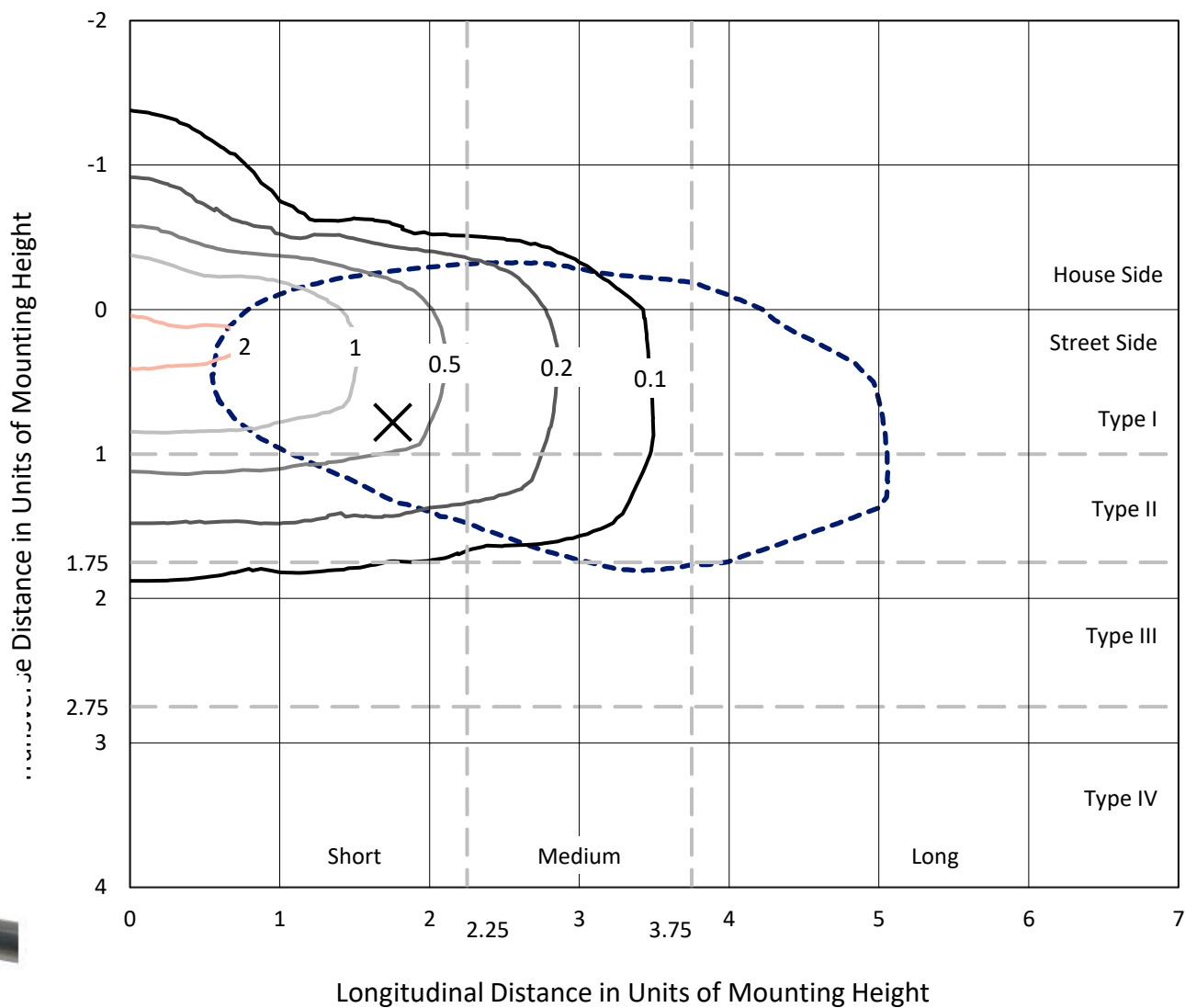
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

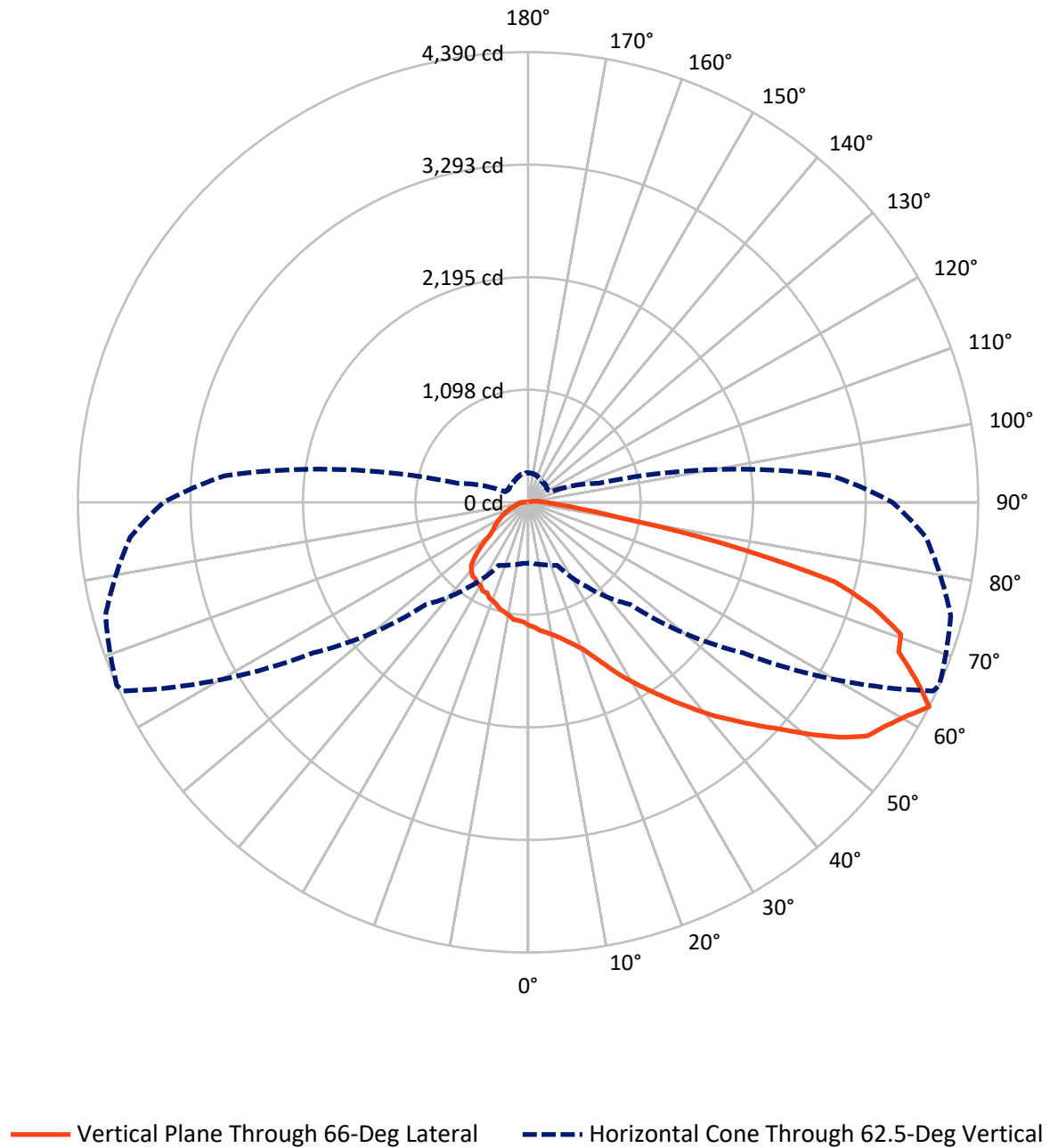
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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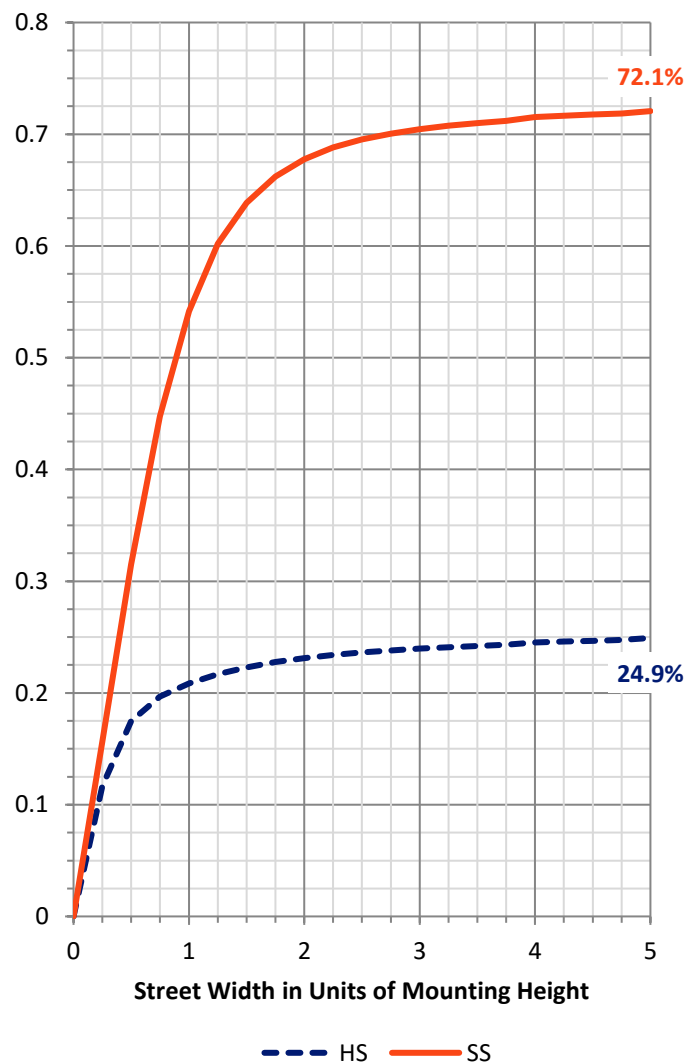
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1790.0	49.5	1839.5
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4988.6	49.0	5037.5
	% Fixture	72.5	0.7	73.3
Total	Lumens	6778.6	98.4	6877.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.5	1.7
10°-20°	345.8	5.0
20°-30°	585.1	8.5
30°-40°	856.0	12.4
40°-50°	1118.9	16.3
50°-60°	1302.0	18.9
60°-70°	1302.6	18.9
70°-80°	898.8	13.1
80°-90°	254.0	3.7
90°-100°	83.7	1.2
100°-110°	11.5	0.2
110°-120°	0.7	0.0
120°-130°	0.7	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6778.6	98.6
0°-180°	6877.0	100.0

Coefficient of Utilization



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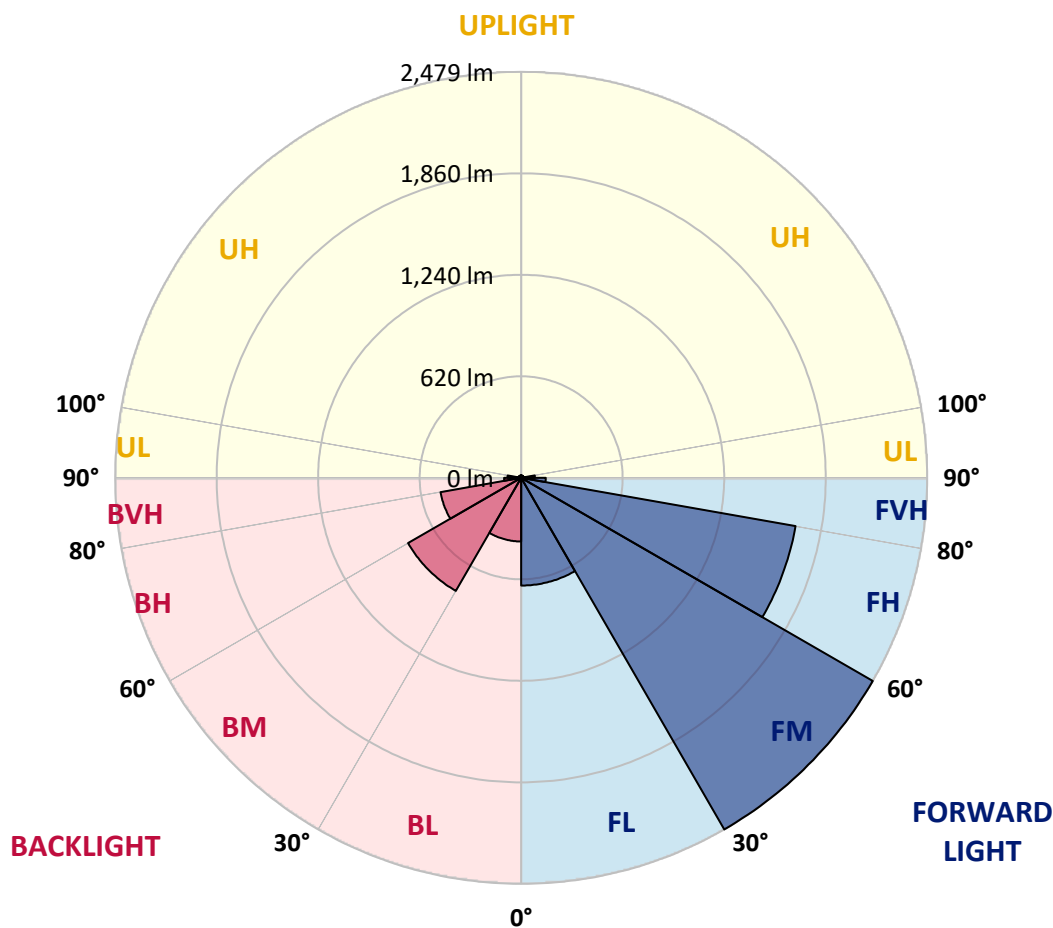
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	657.9	9.6			
FM	(30°-60°)	2479.3	36.1			
FH	(60°-80°)	1701.3	24.7			G1/1800
FVH	(80°-90°)	150.0	2.2			G2/225
BL	(0°-30°)	388.5	5.6	B1/500		
BM	(30°-60°)	797.5	11.6	B1/1000		
BH	(60°-80°)	500.0	7.3	B1/500		G1/500
BVH	(80°-90°)	104.0	1.5			G2/225
UL	(90°-100°)	83.7	1.2		U3/500	
UH	(100°-180°)	14.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5
2.5°	1263.2	1260.9	1260.9	1249.5	1238.1	1235.8	1228.9	1219.8	1219.8	1213.0	1201.5
5°	1338.6	1336.3	1338.6	1322.6	1306.6	1292.9	1270.1	1258.6	1256.4	1240.4	1217.5
7.5°	1391.1	1388.8	1386.6	1372.9	1366.0	1352.3	1320.3	1286.1	1281.5	1265.5	1235.8
10°	1411.7	1414.0	1425.4	1402.6	1388.8	1377.4	1359.2	1318.0	1313.5	1276.9	1231.2
12.5°	1466.5	1468.8	1461.9	1434.5	1430.0	1420.8	1391.1	1356.9	1352.3	1306.6	1242.7
15°	1523.6	1523.6	1514.5	1498.5	1487.1	1477.9	1441.4	1404.8	1402.6	1347.7	1272.3
17.5°	1548.7	1553.3	1555.6	1535.0	1530.5	1528.2	1509.9	1464.2	1459.7	1407.1	1313.5
20°	1564.7	1567.0	1569.3	1567.0	1569.3	1567.0	1576.2	1539.6	1528.2	1473.4	1359.2
22.5°	1596.7	1601.3	1617.3	1617.3	1624.1	1640.1	1633.3	1637.8	1633.3	1567.0	1436.8
25°	1612.7	1619.6	1640.1	1665.2	1694.9	1713.2	1738.3	1756.6	1758.9	1699.5	1555.6
27.5°	1587.6	1603.6	1656.1	1694.9	1763.5	1811.4	1870.8	1900.5	1905.1	1848.0	1683.5
30°	1619.6	1619.6	1651.5	1706.4	1790.9	1902.8	1994.2	2039.9	2044.4	2001.0	1811.4
32.5°	1560.2	1573.9	1647.0	1752.0	1873.1	2001.0	2090.1	2179.2	2190.6	2176.9	1994.2
35°	1553.3	1560.2	1605.9	1715.5	1877.7	2092.4	2215.8	2332.3	2355.1	2359.7	2170.1
37.5°	1489.4	1498.5	1583.0	1720.1	1941.6	2156.4	2314.0	2505.9	2526.4	2558.4	2323.1
40°	1409.4	1423.1	1491.6	1644.7	1923.4	2231.7	2419.1	2688.6	2718.3	2757.1	2524.1
42.5°	1304.3	1329.5	1446.0	1610.4	1914.2	2256.9	2519.6	2871.3	2898.8	2939.9	2693.2
45°	1215.2	1222.1	1315.7	1487.1	1841.1	2291.1	2613.2	3076.9	3095.2	3115.8	2830.2
47.5°	1135.3	1149.0	1228.9	1388.8	1763.5	2284.3	2695.5	3271.1	3303.1	3364.8	2997.0
50°	897.7	929.7	1155.8	1304.3	1644.7	2263.7	2764.0	3499.5	3552.1	3574.9	3186.6
52.5°	776.7	785.8	900.0	1222.1	1512.2	2195.2	2823.4	3748.5	3807.9	3755.4	3415.0
55°	717.3	726.4	778.9	1055.3	1409.4	2055.9	2869.1	3983.8	4020.3	3897.0	3584.0
57.5°	685.3	692.1	719.6	854.3	1283.8	1834.3	2873.6	4100.3	4114.0	4008.9	3670.8
60°	630.5	637.3	685.3	744.7	1144.4	1599.0	2793.7	4166.5	4237.4	4146.0	3837.6
62.5°	593.9	598.5	630.5	678.4	1009.7	1407.1	2560.7	4356.1	4390.4	4267.0	3894.7
65°	548.2	552.8	582.5	625.9	922.9	1299.8	2460.2	4278.5	4152.8	4237.4	3970.1
67.5°	495.7	502.5	530.0	566.5	778.9	1194.7	2170.1	3988.4	3899.3	4086.6	3773.6
70°	447.7	452.3	482.0	502.5	639.6	1057.6	1802.3	3762.2	3855.9	3853.6	3595.5
72.5°	395.2	399.8	424.9	443.2	534.5	895.4	1430.0	3501.8	3529.2	3431.0	3182.0
75°	340.4	342.6	365.5	383.8	438.6	717.3	1043.9	2896.5	3086.1	3280.2	2752.6
77.5°	274.1	281.0	299.2	308.4	351.8	573.4	680.7	1715.5	1959.9	2885.1	2460.2
80°	205.6	205.6	219.3	223.9	260.4	427.2	429.4	826.9	888.6	1834.3	1827.4
82.5°	130.2	137.1	150.8	148.5	175.9	244.4	271.8	459.1	493.4	726.4	810.9
85°	105.1	107.4	116.5	109.6	116.5	132.5	153.0	290.1	301.5	443.2	440.9
87.5°	86.8	89.1	95.9	91.4	93.7	100.5	118.8	194.2	198.7	285.5	294.7
90°	66.2	68.5	77.7	75.4	73.1	82.2	98.2	148.5	155.3	226.1	242.1
92.5°	43.4	43.4	50.3	50.3	50.3	59.4	86.8	114.2	118.8	205.6	217.0
95°	32.0	32.0	34.3	36.5	34.3	43.4	64.0	102.8	111.9	191.9	187.3
97.5°	20.6	20.6	22.8	25.1	22.8	27.4	36.5	73.1	82.2	148.5	146.2
100°	13.7	13.7	13.7	13.7	13.7	13.7	20.6	48.0	54.8	93.7	91.4
102.5°	9.1	9.1	9.1	9.1	6.9	6.9	9.1	22.8	25.1	50.3	48.0
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.1	11.4	20.6	20.6
107.5°	0.0	0.0	0.0	2.3	0.0	0.0	0.0	0.0	0.0	2.3	2.3
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	2.3
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	2.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3	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	2.3	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°	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5	1201.5
2.5°	1197.0	1190.1	1178.7	1167.3	1160.4	1153.6	1142.1	1133.0	1133.0	1144.4	1144.4
5°	1201.5	1187.8	1165.0	1155.8	1144.4	1128.4	1110.2	1096.5	1089.6	1098.7	1101.0
7.5°	1213.0	1192.4	1169.6	1149.0	1110.2	1080.5	1064.5	1046.2	1043.9	1053.1	1057.6
10°	1203.8	1183.3	1155.8	1117.0	1075.9	1053.1	1023.4	1000.5	1000.5	993.7	998.2
12.5°	1213.0	1185.5	1130.7	1089.6	1053.1	1002.8	966.3	943.4	941.1	948.0	948.0
15°	1235.8	1194.7	1123.9	1073.6	1014.2	964.0	927.4	902.3	909.1	895.4	897.7
17.5°	1263.2	1201.5	1123.9	1037.1	970.8	922.9	872.6	842.9	845.2	847.5	849.8
20°	1297.5	1219.8	1112.4	1009.7	929.7	861.2	804.1	781.2	774.4	778.9	781.2
22.5°	1350.0	1260.9	1107.9	995.9	872.6	806.4	756.1	710.4	705.8	705.8	705.8
25°	1436.8	1322.6	1128.4	950.3	842.9	742.4	685.3	641.9	621.3	623.6	625.9
27.5°	1569.3	1420.8	1149.0	952.5	774.4	685.3	614.5	566.5	555.1	557.4	559.7
30°	1708.6	1553.3	1201.5	906.9	735.5	598.5	525.4	491.1	477.4	470.6	472.8
32.5°	1816.0	1669.8	1274.6	893.2	664.7	504.8	459.1	431.7	413.5	406.6	406.6
35°	1987.3	1784.0	1334.0	858.9	591.6	445.4	408.9	379.2	370.1	365.5	365.5
37.5°	2133.5	1909.7	1395.7	845.2	502.5	399.8	354.1	335.8	335.8	331.2	328.9
40°	2291.1	2042.2	1430.0	804.1	434.0	351.8	306.1	303.8	310.7	310.7	310.7
42.5°	2480.7	2179.2	1466.5	756.1	381.5	297.0	271.8	290.1	306.1	310.7	310.7
45°	2622.4	2266.0	1482.5	653.3	328.9	258.1	267.3	285.5	306.1	312.9	310.7
47.5°	2743.4	2391.6	1459.7	527.7	283.3	251.3	262.7	278.7	303.8	312.9	312.9
50°	2864.5	2499.0	1443.7	381.5	265.0	251.3	262.7	269.5	297.0	308.4	308.4
52.5°	3042.7	2583.5	1379.7	319.8	251.3	253.6	267.3	267.3	292.4	306.1	312.9
55°	3271.1	2777.7	1258.6	299.2	246.7	251.3	269.5	269.5	287.8	301.5	306.1
57.5°	3364.8	2846.2	1050.8	281.0	242.1	251.3	262.7	267.3	290.1	299.2	297.0
60°	3488.1	2958.2	861.2	262.7	233.0	246.7	253.6	269.5	287.8	290.1	287.8
62.5°	3554.4	2971.9	712.7	244.4	226.1	239.9	242.1	260.4	278.7	285.5	287.8
65°	3590.9	2958.2	527.7	226.1	219.3	230.7	233.0	249.0	267.3	271.8	274.1
67.5°	3458.4	2864.5	365.5	207.9	212.4	219.3	223.9	239.9	253.6	267.3	271.8
70°	3220.8	2592.7	260.4	185.0	201.0	207.9	217.0	233.0	246.7	265.0	269.5
72.5°	2958.2	2087.8	191.9	157.6	185.0	194.2	210.2	221.6	242.1	265.0	271.8
75°	2711.4	1832.0	153.0	134.8	157.6	178.2	198.7	214.7	244.4	324.4	335.8
77.5°	1923.4	1238.1	137.1	118.8	134.8	155.3	182.7	210.2	340.4	386.0	388.3
80°	1395.7	728.7	123.4	105.1	116.5	125.6	166.8	258.1	376.9	356.3	356.3
82.5°	699.0	390.6	116.5	93.7	100.5	102.8	148.5	328.9	303.8	317.5	319.8
85°	338.1	189.6	95.9	82.2	86.8	84.5	139.3	312.9	287.8	290.1	285.5
87.5°	212.4	116.5	75.4	68.5	70.8	68.5	132.5	299.2	301.5	246.7	251.3
90°	191.9	137.1	59.4	54.8	48.0	57.1	118.8	278.7	294.7	178.2	148.5
92.5°	185.0	148.5	43.4	38.8	34.3	45.7	89.1	226.1	180.5	75.4	45.7
95°	164.5	130.2	36.5	27.4	32.0	38.8	57.1	150.8	121.1	0.0	0.0
97.5°	123.4	95.9	29.7	18.3	102.8	34.3	32.0	98.2	34.3	0.0	0.0
100°	77.7	59.4	22.8	13.7	116.5	22.8	20.6	57.1	0.0	0.0	0.0
102.5°	43.4	32.0	11.4	9.1	50.3	11.4	13.7	13.7	0.0	0.0	0.0
105°	18.3	16.0	4.6	4.6	4.6	2.3	6.9	0.0	0.0	0.0	0.0
107.5°	4.6	6.9	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	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°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
170°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.3	2.3	2.3	2.3	2.3	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)