

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: P692023

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692023
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10550 lumens
Efficiency: N/A
Efficacy: 133.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

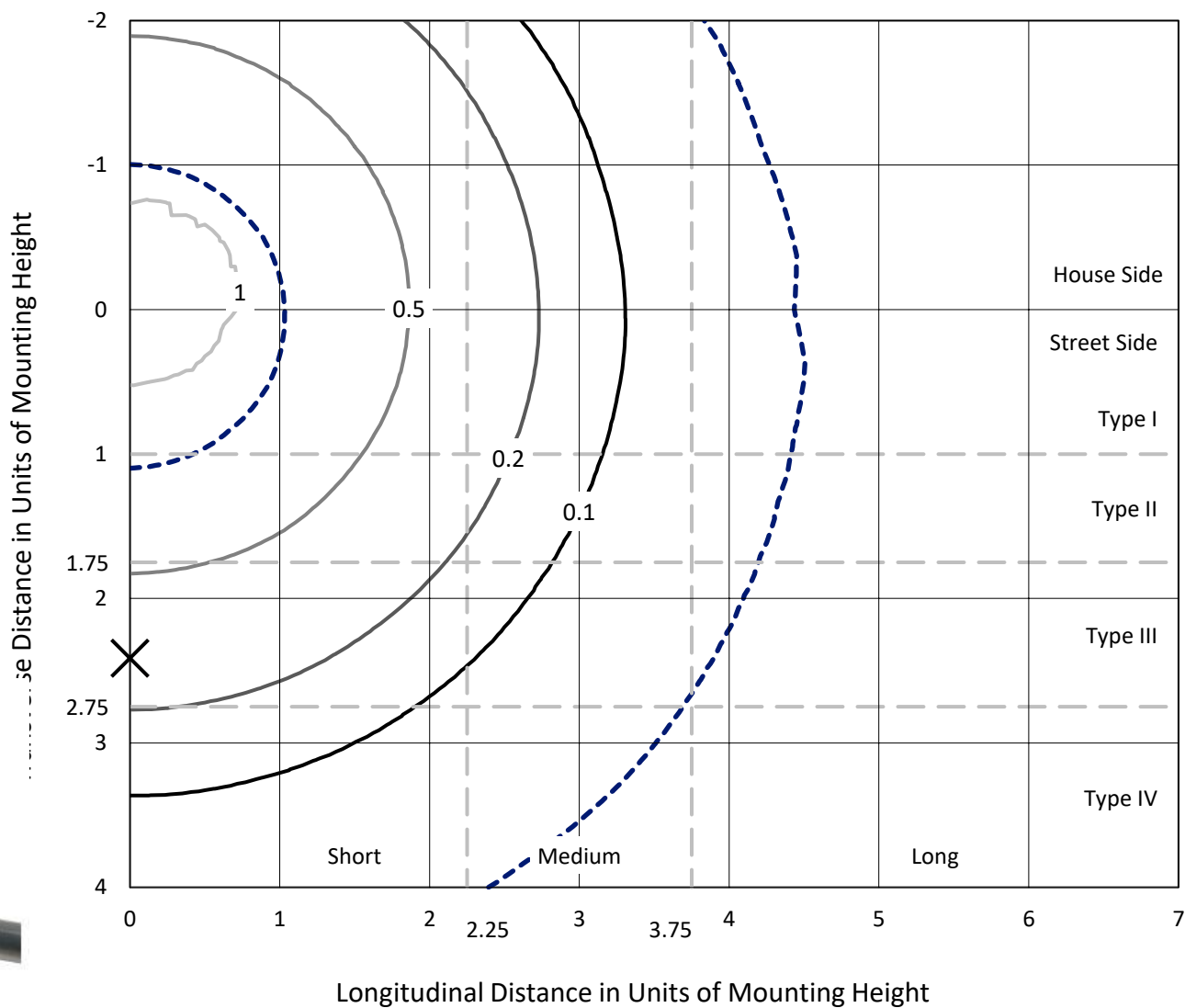
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

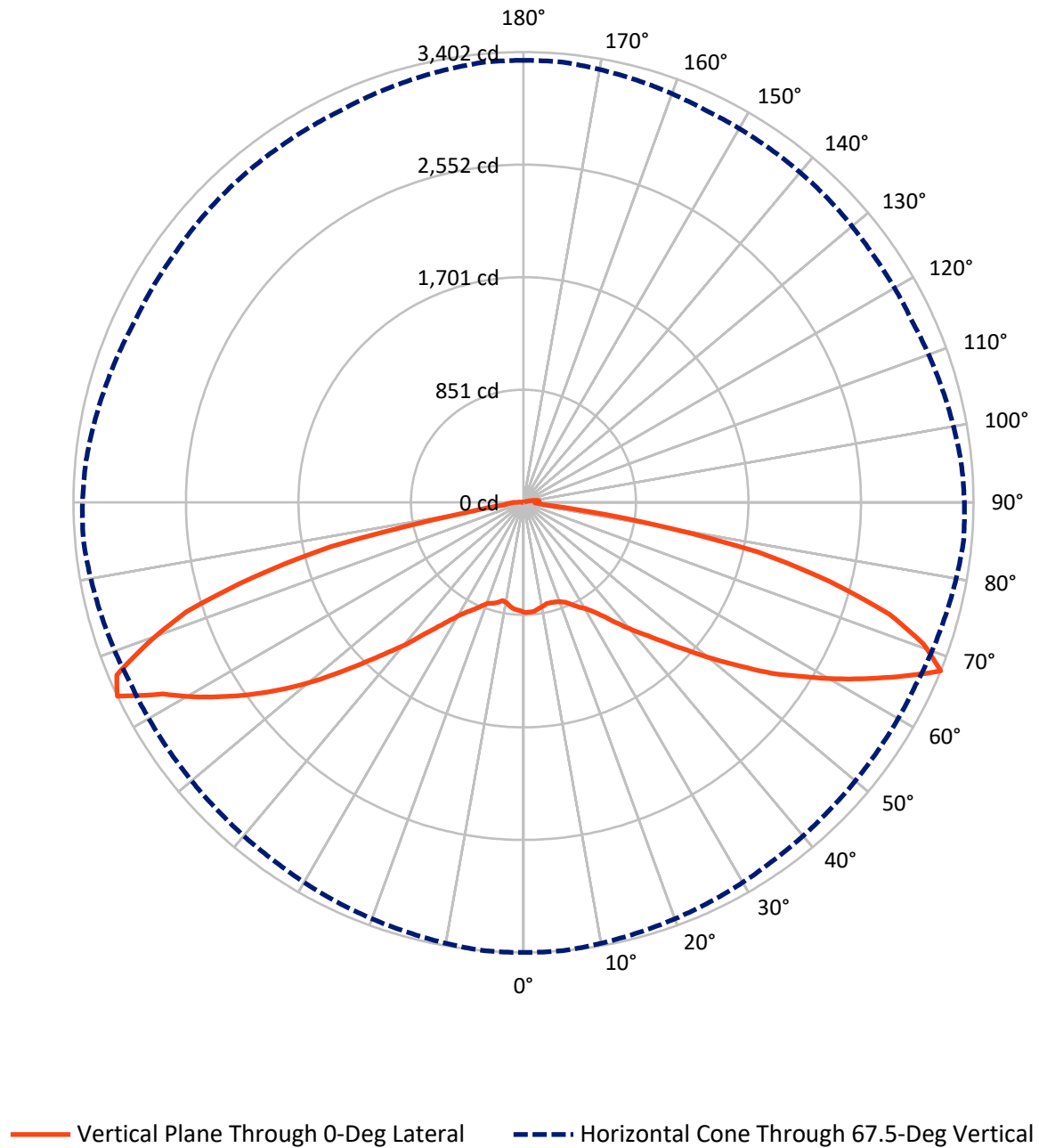
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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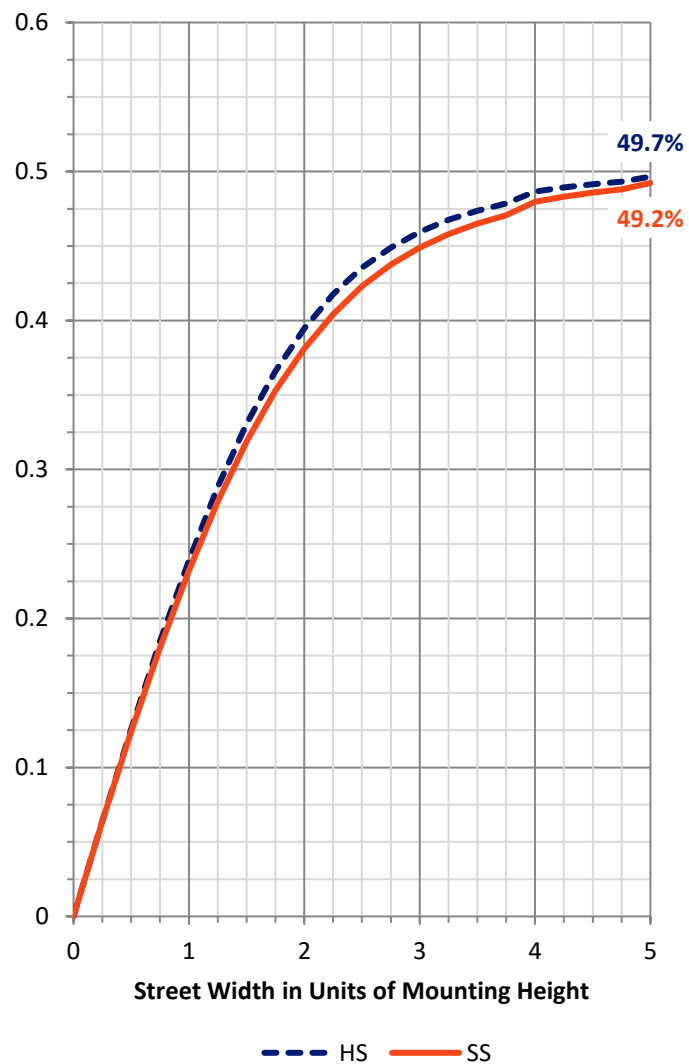
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5223.5	49.5	5273.0
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	5207.0	70.0	5277.0
	% Fixture	49.4	0.7	50.0
Total	Lumens	10430.5	119.6	10550.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	0.7
10°-20°	229.6	2.2
20°-30°	415.0	3.9
30°-40°	715.6	6.8
40°-50°	1269.5	12.0
50°-60°	2161.3	20.5
60°-70°	3096.4	29.4
70°-80°	2251.4	21.3
80°-90°	213.8	2.0
90°-100°	96.5	0.9
100°-110°	23.1	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	10430.5	98.9
0°-180°	10550.0	100.0

Coefficient of Utilization



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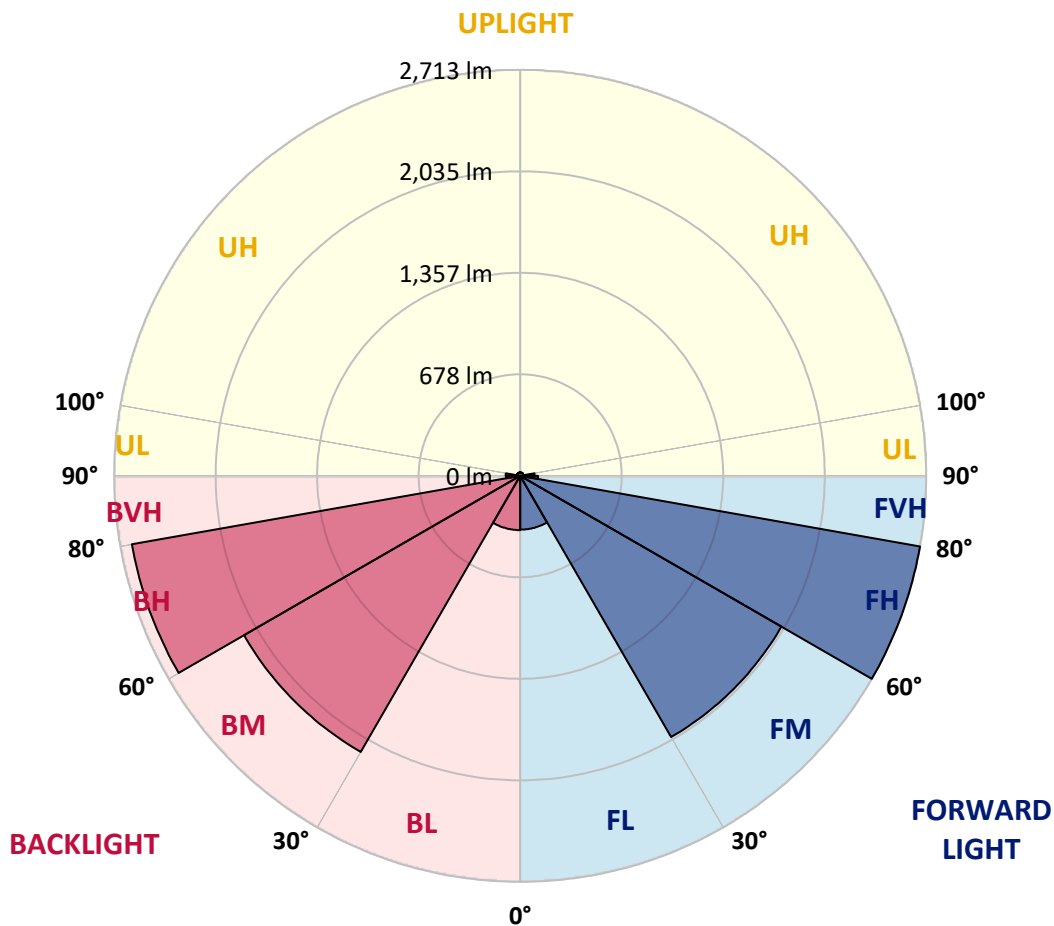
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	359.5	3.4			
FM	(30°-60°)	2015.6	19.1			
FH	(60°-80°)	2713.1	25.7			G2/5000
FVH	(80°-90°)	118.7	1.1			G2/225
BL	(0°-30°)	362.9	3.4	B1/500		
BM	(30°-60°)	2130.9	20.2	B2/2500		
BH	(60°-80°)	2634.8	25.0	B4/5000		G2/5000
BVH	(80°-90°)	95.0	0.9			G1/100
UL	(90°-100°)	96.5	0.9		U3/500	
UH	(100°-180°)	23.1	0.2		U2/50	

BUG Rating: B4-U3-G2

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	831.7	831.7	831.7	831.7	831.7	831.7	828.4	821.8	821.8	821.8	821.8
5°	828.4	828.4	828.4	828.4	831.7	831.7	831.7	825.1	825.1	825.1	825.1
7.5°	811.9	811.9	815.2	815.2	818.5	821.8	818.5	818.5	818.5	821.8	821.8
10°	798.8	798.8	802.1	802.1	805.4	805.4	811.9	811.9	815.2	818.5	818.5
12.5°	785.6	785.6	788.9	795.5	798.8	802.1	805.4	808.7	815.2	818.5	818.5
15°	785.6	785.6	785.6	792.2	802.1	808.7	811.9	818.5	825.1	828.4	831.7
17.5°	792.2	792.2	792.2	798.8	805.4	815.2	825.1	828.4	835.0	841.5	841.5
20°	802.1	802.1	805.4	811.9	821.8	828.4	835.0	844.8	851.4	858.0	861.2
22.5°	821.8	825.1	825.1	828.4	838.2	848.1	854.7	861.2	871.1	877.7	884.3
25°	858.0	854.7	854.7	861.2	867.8	877.7	881.0	887.5	897.4	907.3	910.6
27.5°	897.4	894.1	894.1	900.7	907.3	913.8	917.1	927.0	936.9	946.7	950.0
30°	933.6	933.6	936.9	943.4	950.0	959.9	963.2	973.0	979.6	992.7	992.7
32.5°	989.4	992.7	996.0	999.3	1005.9	1015.7	1025.6	1028.9	1035.5	1045.3	1051.9
35°	1065.1	1071.6	1071.6	1074.9	1091.4	1101.2	1094.6	1104.5	1114.4	1127.5	1134.1
37.5°	1163.7	1160.4	1170.2	1183.4	1186.7	1196.5	1193.3	1199.8	1213.0	1229.4	1239.3
40°	1268.9	1272.1	1272.1	1275.4	1285.3	1288.6	1301.7	1311.6	1324.7	1347.8	1354.3
42.5°	1377.3	1383.9	1390.5	1393.8	1410.2	1413.5	1423.4	1436.5	1452.9	1469.4	1476.0
45°	1512.1	1508.8	1525.3	1531.8	1548.3	1568.0	1568.0	1574.6	1600.9	1617.3	1627.2
47.5°	1673.2	1679.8	1689.6	1699.5	1725.8	1729.1	1745.5	1755.4	1771.8	1788.2	1791.5
50°	1860.6	1860.6	1870.4	1890.1	1906.6	1923.0	1932.9	1946.0	1959.2	1985.5	1998.6
52.5°	2057.8	2061.1	2074.2	2094.0	2120.2	2123.5	2133.4	2156.4	2166.3	2172.8	2195.9
55°	2281.3	2271.5	2281.3	2310.9	2340.5	2337.2	2340.5	2366.8	2383.2	2396.4	2402.9
57.5°	2485.1	2485.1	2495.0	2518.0	2524.6	2534.4	2537.7	2560.7	2580.5	2596.9	2600.2
60°	2708.7	2705.4	2711.9	2731.7	2754.7	2754.7	2751.4	2774.4	2794.1	2797.4	2820.4
62.5°	2932.2	2922.3	2928.9	2942.1	2955.2	2942.1	2955.2	2974.9	2991.4	3004.5	3011.1
65°	3165.6	3152.4	3155.7	3142.6	3122.8	3106.4	3136.0	3191.9	3241.2	3267.5	3270.8
67.5°	3402.3	3402.3	3366.1	3333.2	3300.4	3280.6	3270.8	3270.8	3303.6	3339.8	3333.2
70°	3208.3	3214.9	3185.3	3162.3	3109.7	3093.3	3083.4	3050.5	3067.0	3076.8	3053.8
72.5°	2892.7	2856.6	2843.4	2833.6	2794.1	2764.5	2731.7	2708.7	2698.8	2705.4	2679.1
75°	2389.8	2462.1	2422.7	2402.9	2376.7	2363.5	2278.0	2251.7	2248.5	2274.7	2274.7
77.5°	1817.8	1857.3	1831.0	1840.8	1801.4	1794.8	1761.9	1732.4	1709.3	1702.8	1637.0
80°	943.4	973.0	979.6	1012.5	1005.9	986.2	963.2	877.7	854.7	867.8	805.4
82.5°	170.9	177.5	180.8	184.1	170.9	177.5	180.8	164.4	174.2	170.9	164.4
85°	98.6	98.6	101.9	101.9	95.3	88.8	95.3	92.0	92.0	98.6	98.6
87.5°	85.5	88.8	92.0	92.0	82.2	75.6	82.2	82.2	85.5	88.8	88.8
90°	88.8	88.8	95.3	95.3	85.5	78.9	88.8	92.0	92.0	92.0	95.3
92.5°	118.3	115.1	118.3	118.3	108.5	101.9	115.1	115.1	115.1	115.1	118.3
95°	115.1	111.8	115.1	111.8	105.2	98.6	108.5	111.8	111.8	111.8	115.1
97.5°	98.6	98.6	98.6	98.6	88.8	85.5	98.6	98.6	95.3	95.3	98.6
100°	75.6	72.3	72.3	72.3	69.0	69.0	75.6	72.3	69.0	72.3	75.6
102.5°	49.3	49.3	49.3	49.3	49.3	49.3	49.3	46.0	46.0	46.0	52.6
105°	29.6	29.6	26.3	26.3	26.3	26.3	26.3	23.0	23.0	23.0	29.6
107.5°	9.9	9.9	6.6	6.6	6.6	6.6	6.6	3.3	3.3	3.3	9.9
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°	75°	85°	90°
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	0.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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°	180°
0°	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7	831.7
2.5°	825.1	825.1	828.4	825.1	825.1	821.8	818.5	815.2	818.5	818.5
5°	825.1	828.4	825.1	821.8	818.5	815.2	815.2	808.7	808.7	811.9
7.5°	821.8	828.4	821.8	818.5	808.7	805.4	802.1	795.5	795.5	795.5
10°	818.5	818.5	815.2	802.1	795.5	785.6	782.4	775.8	772.5	769.2
12.5°	818.5	818.5	808.7	798.8	788.9	775.8	772.5	765.9	762.6	759.3
15°	828.4	831.7	825.1	811.9	795.5	792.2	782.4	779.1	775.8	782.4
17.5°	844.8	841.5	835.0	821.8	811.9	808.7	795.5	795.5	792.2	798.8
20°	861.2	854.7	848.1	841.5	828.4	821.8	821.8	811.9	815.2	808.7
22.5°	881.0	884.3	874.4	864.5	854.7	851.4	848.1	848.1	844.8	844.8
25°	913.8	913.8	907.3	897.4	890.8	884.3	881.0	884.3	877.7	887.5
27.5°	953.3	950.0	950.0	943.4	933.6	930.3	927.0	930.3	927.0	927.0
30°	992.7	999.3	992.7	989.4	982.9	982.9	979.6	979.6	982.9	979.6
32.5°	1055.2	1058.5	1058.5	1055.2	1048.6	1045.3	1045.3	1048.6	1055.2	1051.9
35°	1137.4	1140.7	1147.2	1153.8	1153.8	1147.2	1140.7	1137.4	1140.7	1140.7
37.5°	1245.9	1249.1	1255.7	1255.7	1252.4	1249.1	1252.4	1259.0	1245.9	1245.9
40°	1357.6	1354.3	1360.9	1367.5	1370.8	1367.5	1364.2	1370.8	1377.3	1387.2
42.5°	1482.5	1489.1	1492.4	1505.5	1512.1	1512.1	1508.8	1518.7	1522.0	1522.0
45°	1630.5	1646.9	1640.3	1663.3	1683.1	1686.3	1676.5	1683.1	1676.5	1683.1
47.5°	1801.4	1814.5	1827.7	1847.4	1857.3	1863.8	1860.6	1867.1	1873.7	1873.7
50°	1995.3	2005.2	2028.2	2054.5	2070.9	2070.9	2057.8	2070.9	2084.1	2080.8
52.5°	2199.1	2218.9	2241.9	2264.9	2278.0	2281.3	2281.3	2291.2	2287.9	2287.9
55°	2412.8	2429.2	2458.8	2472.0	2488.4	2495.0	2495.0	2498.3	2495.0	2495.0
57.5°	2616.6	2636.3	2659.4	2685.6	2702.1	2708.7	2702.1	2702.1	2702.1	2695.5
60°	2827.0	2840.1	2863.2	2882.9	2892.7	2905.9	2905.9	2902.6	2899.3	2896.0
62.5°	3020.9	3027.5	3034.1	3037.4	3047.2	3073.5	3073.5	3090.0	3090.0	3086.7
65°	3274.1	3244.5	3218.2	3224.8	3247.8	3270.8	3290.5	3356.2	3389.1	3402.3
67.5°	3323.4	3280.6	3241.2	3237.9	3251.0	3257.6	3267.5	3303.6	3339.8	3339.8
70°	3034.1	3007.8	2971.6	2988.1	2997.9	2988.1	3001.2	3024.2	3057.1	3027.5
72.5°	2659.4	2616.6	2642.9	2659.4	2642.9	2629.8	2636.3	2633.1	2656.1	2679.1
75°	2245.2	2156.4	2156.4	2156.4	2163.0	2133.4	2133.4	2136.7	2179.4	2120.2
77.5°	1663.3	1600.9	1584.4	1518.7	1512.1	1472.7	1499.0	1482.5	1522.0	1499.0
80°	775.8	749.5	739.6	673.9	660.7	555.5	595.0	529.2	549.0	493.1
82.5°	161.1	157.8	154.5	138.1	124.9	108.5	128.2	144.6	147.9	144.6
85°	101.9	105.2	105.2	98.6	92.0	82.2	98.6	121.6	128.2	128.2
87.5°	88.8	92.0	92.0	88.8	82.2	72.3	82.2	92.0	95.3	92.0
90°	95.3	98.6	95.3	92.0	85.5	75.6	85.5	88.8	72.3	75.6
92.5°	115.1	115.1	111.8	111.8	108.5	95.3	105.2	85.5	32.9	9.9
95°	111.8	108.5	108.5	105.2	101.9	85.5	85.5	23.0	0.0	0.0
97.5°	95.3	88.8	88.8	85.5	85.5	72.3	52.6	0.0	0.0	0.0
100°	72.3	62.5	62.5	59.2	59.2	49.3	19.7	0.0	0.0	0.0
102.5°	49.3	39.4	36.2	32.9	32.9	29.6	3.3	0.0	0.0	0.0
105°	26.3	16.4	13.1	9.9	9.9	6.6	0.0	0.0	0.0	0.0
107.5°	9.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)