

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: P692009

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692009
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-7040
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12194 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B4 - U3 - G2

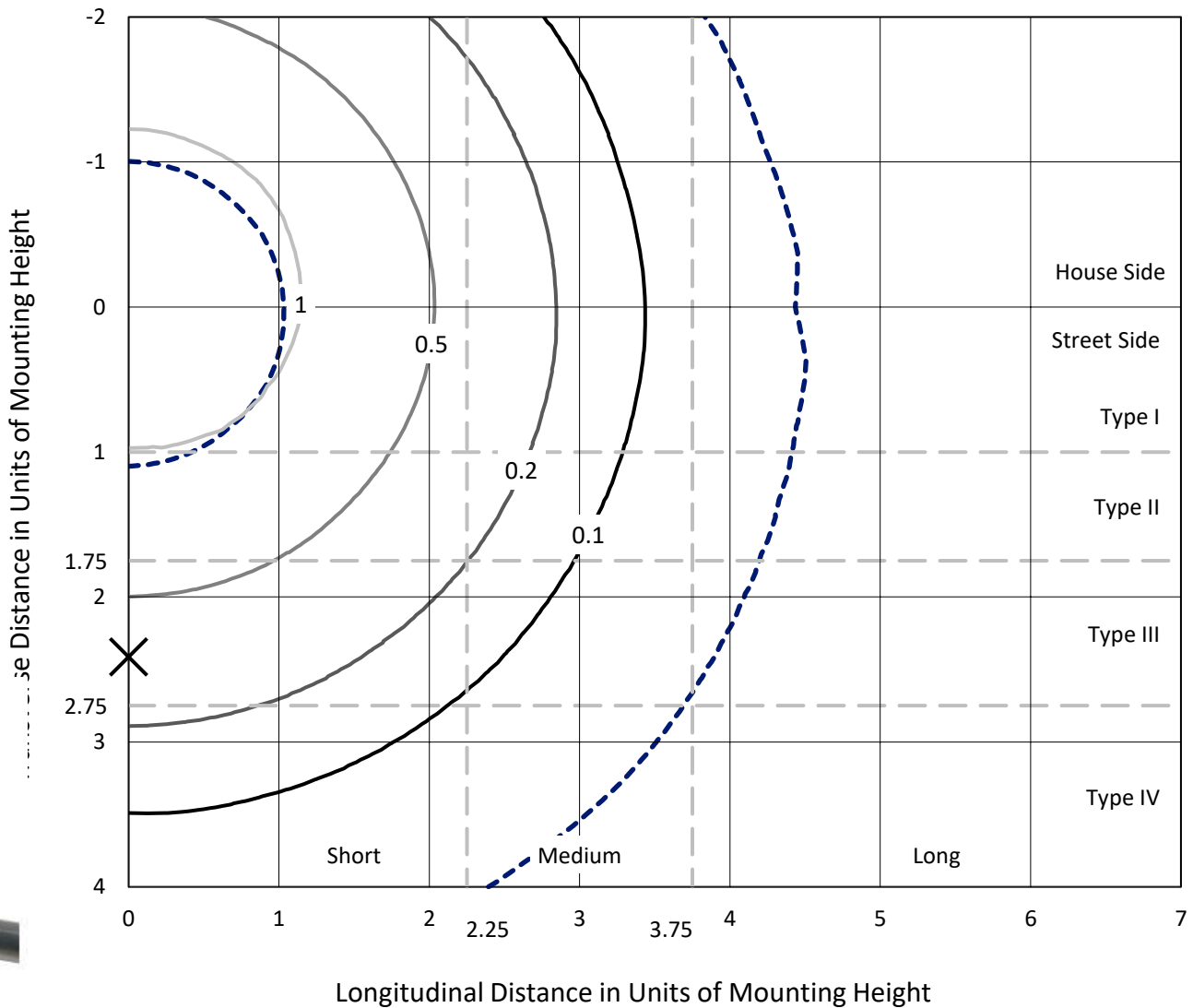
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

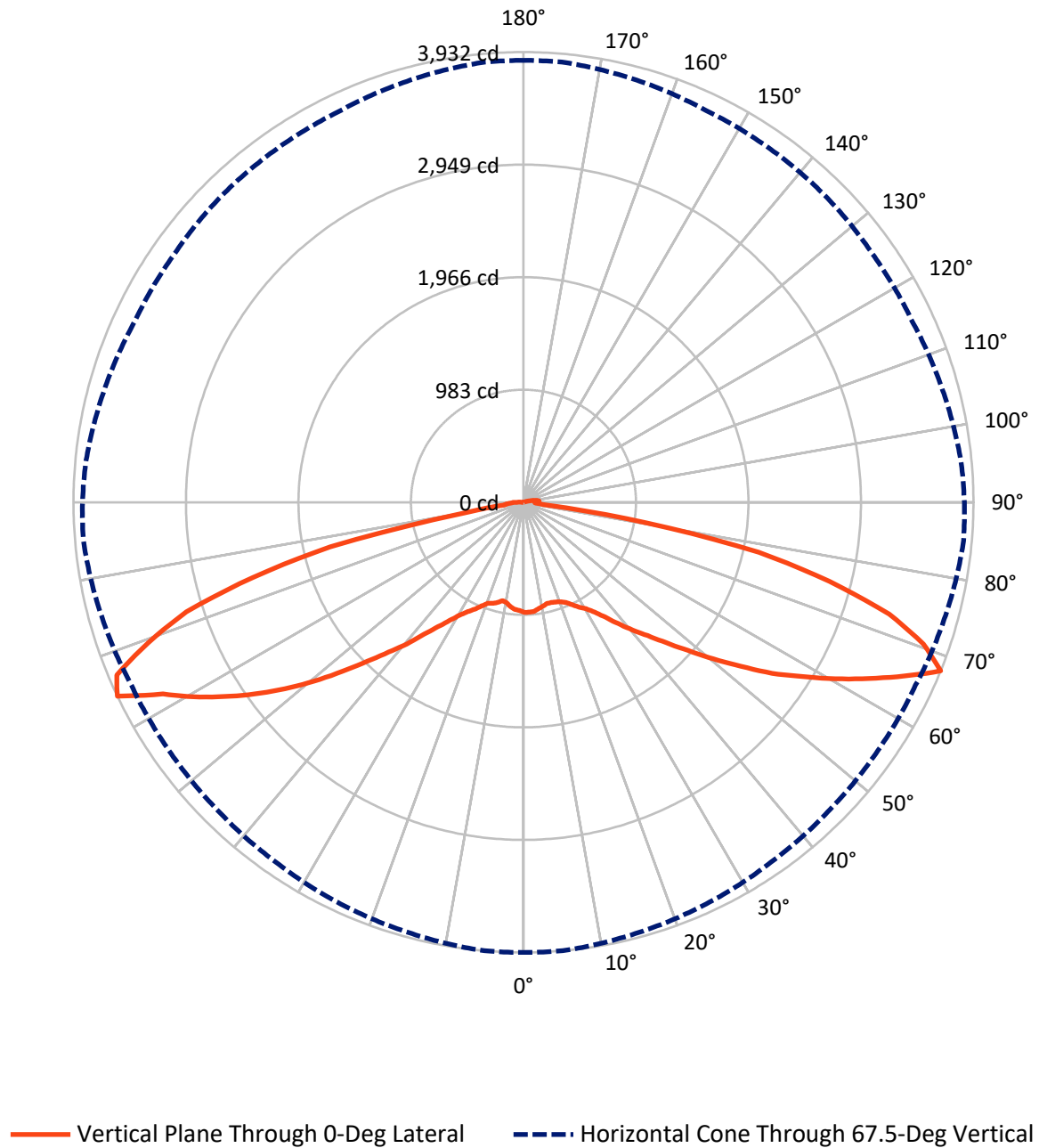
× Max cd
 --- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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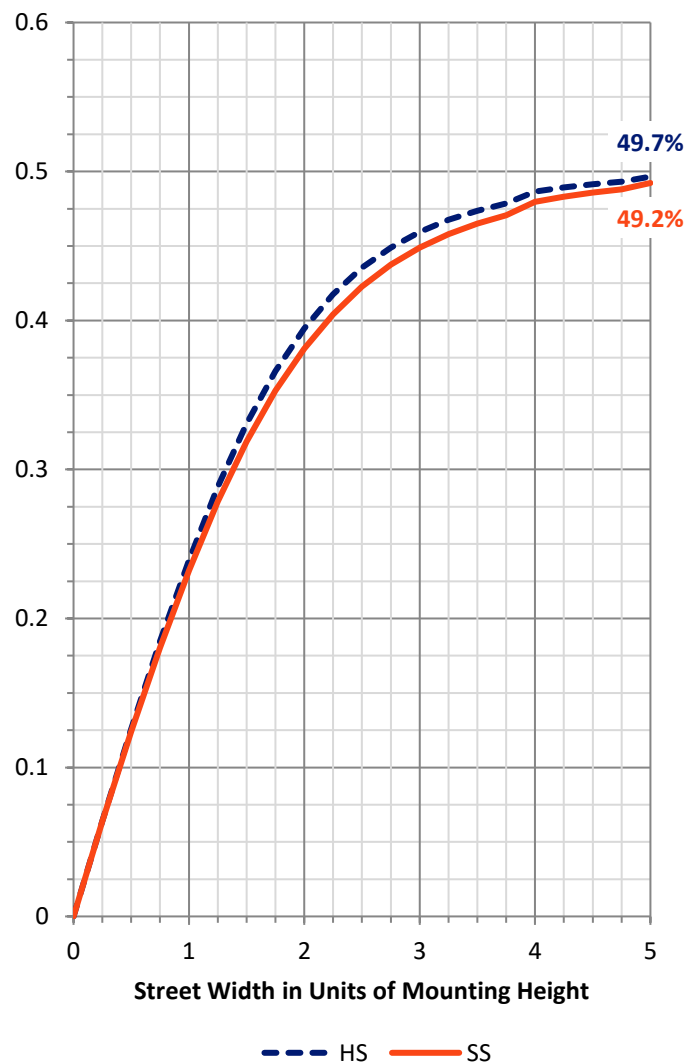
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6037.5	57.2	6094.7
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	6018.4	81.0	6099.3
	% Fixture	49.4	0.7	50.0
Total	Lumens	12055.9	138.2	12194.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.0	0.7
10°-20°	265.4	2.2
20°-30°	479.6	3.9
30°-40°	827.1	6.8
40°-50°	1467.4	12.0
50°-60°	2498.0	20.5
60°-70°	3579.0	29.4
70°-80°	2602.3	21.3
80°-90°	247.1	2.0
90°-100°	111.5	0.9
100°-110°	26.7	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°	12055.9	98.9
0°-180°	12194.0	100.0

Coefficient of Utilization



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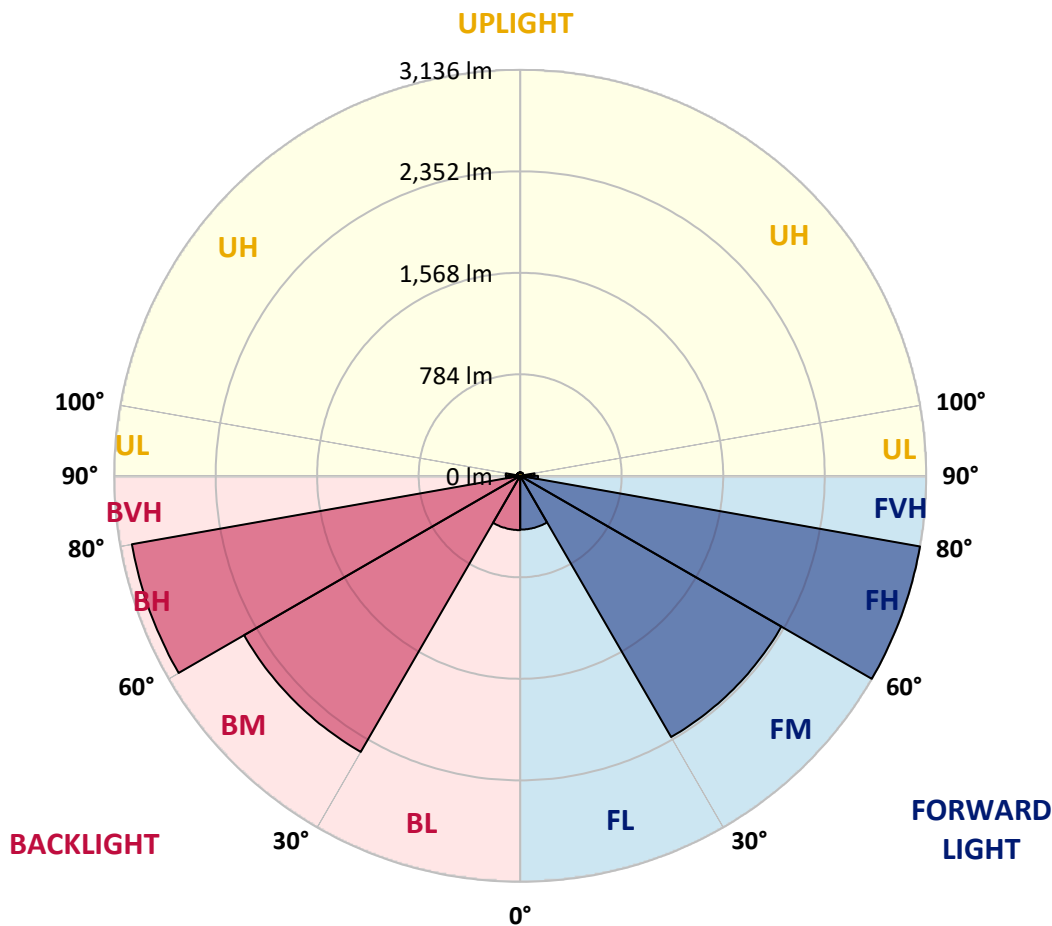
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	415.6	3.4			
FM	(30°-60°)	2329.6	19.1			
FH	(60°-80°)	3135.9	25.7			G2/5000
FVH	(80°-90°)	137.2	1.1			G2/225
BL	(0°-30°)	419.4	3.4	B1/500		
BM	(30°-60°)	2462.9	20.2	B2/2500		
BH	(60°-80°)	3045.3	25.0	B4/5000		G2/5000
BVH	(80°-90°)	109.8	0.9			G2/225
UL	(90°-100°)	111.5	0.9		U3/500	
UH	(100°-180°)	26.7	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°	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3
2.5°	961.3	961.3	961.3	961.3	961.3	961.3	957.5	949.9	949.9	949.9	949.9
5°	957.5	957.5	957.5	957.5	961.3	961.3	961.3	953.7	953.7	953.7	953.7
7.5°	938.5	938.5	942.3	942.3	946.1	949.9	946.1	946.1	946.1	949.9	949.9
10°	923.3	923.3	927.1	927.1	930.9	930.9	938.5	938.5	942.3	946.1	946.1
12.5°	908.1	908.1	911.9	919.5	923.3	927.1	930.9	934.7	942.3	946.1	946.1
15°	908.1	908.1	908.1	915.7	927.1	934.7	938.5	946.1	953.7	957.5	961.3
17.5°	915.7	915.7	915.7	923.3	930.9	942.3	953.7	957.5	965.1	972.7	972.7
20°	927.1	927.1	930.9	938.5	949.9	957.5	965.1	976.5	984.1	991.7	995.5
22.5°	949.9	953.7	953.7	957.5	968.9	980.3	987.9	995.5	1006.9	1014.5	1022.1
25°	991.7	987.9	987.9	995.5	1003.1	1014.5	1018.3	1025.9	1037.3	1048.6	1052.4
27.5°	1037.3	1033.5	1033.5	1041.0	1048.6	1056.2	1060.0	1071.4	1082.8	1094.2	1098.0
30°	1079.0	1079.0	1082.8	1090.4	1098.0	1109.4	1113.2	1124.6	1132.2	1147.4	1147.4
32.5°	1143.6	1147.4	1151.2	1155.0	1162.6	1174.0	1185.4	1189.2	1196.8	1208.2	1215.8
35°	1231.0	1238.6	1238.6	1242.4	1261.4	1272.8	1265.2	1276.6	1288.0	1303.2	1310.8
37.5°	1345.0	1341.2	1352.6	1367.8	1371.6	1383.0	1379.2	1386.8	1402.0	1421.0	1432.4
40°	1466.6	1470.4	1470.4	1474.2	1485.6	1489.4	1504.6	1516.0	1531.2	1557.8	1565.4
42.5°	1592.0	1599.6	1607.2	1611.0	1630.0	1633.8	1645.2	1660.4	1679.4	1698.4	1706.0
45°	1747.7	1743.9	1762.9	1770.5	1789.5	1812.3	1812.3	1819.9	1850.3	1869.3	1880.7
47.5°	1933.9	1941.5	1952.9	1964.3	1994.7	1998.5	2017.5	2028.9	2047.9	2066.9	2070.7
50°	2150.5	2150.5	2161.9	2184.7	2203.7	2222.7	2234.1	2249.3	2264.5	2294.9	2310.1
52.5°	2378.5	2382.3	2397.5	2420.3	2450.6	2454.4	2465.8	2492.4	2503.8	2511.4	2538.0
55°	2636.8	2625.4	2636.8	2671.0	2705.2	2701.4	2705.2	2735.6	2754.6	2769.8	2777.4
57.5°	2872.4	2872.4	2883.8	2910.4	2918.0	2929.4	2933.2	2959.8	2982.6	3001.6	3005.4
60°	3130.7	3126.9	3134.5	3157.3	3183.9	3183.9	3180.1	3206.7	3229.5	3233.3	3259.9
62.5°	3389.1	3377.7	3385.3	3400.5	3415.7	3400.5	3415.7	3438.5	3457.5	3472.7	3480.3
65°	3658.9	3643.7	3647.5	3632.3	3609.5	3590.5	3624.7	3689.3	3746.3	3776.7	3780.5
67.5°	3932.4	3932.4	3890.6	3852.6	3814.6	3791.9	3780.5	3780.5	3818.4	3860.2	3852.6
70°	3708.3	3715.9	3681.7	3655.1	3594.3	3575.3	3563.9	3525.9	3544.9	3556.3	3529.7
72.5°	3343.5	3301.7	3286.5	3275.1	3229.5	3195.3	3157.3	3130.7	3119.4	3126.9	3096.6
75°	2762.2	2845.8	2800.2	2777.4	2747.0	2731.8	2633.0	2602.6	2598.8	2629.2	2629.2
77.5°	2101.1	2146.7	2116.3	2127.7	2082.1	2074.5	2036.5	2002.3	1975.7	1968.1	1892.1
80°	1090.4	1124.6	1132.2	1170.2	1162.6	1139.8	1113.2	1014.5	987.9	1003.1	930.9
82.5°	197.6	205.2	209.0	212.8	197.6	205.2	209.0	190.0	201.4	197.6	190.0
85°	114.0	114.0	117.8	117.8	110.2	102.6	110.2	106.4	106.4	114.0	114.0
87.5°	98.8	102.6	106.4	106.4	95.0	87.4	95.0	95.0	98.8	102.6	102.6
90°	102.6	102.6	110.2	110.2	98.8	91.2	102.6	106.4	106.4	106.4	110.2
92.5°	136.8	133.0	136.8	136.8	125.4	117.8	133.0	133.0	133.0	133.0	136.8
95°	133.0	129.2	133.0	129.2	121.6	114.0	125.4	129.2	129.2	129.2	133.0
97.5°	114.0	114.0	114.0	114.0	102.6	98.8	114.0	114.0	110.2	110.2	114.0
100°	87.4	83.6	83.6	83.6	79.8	79.8	87.4	83.6	79.8	83.6	87.4
102.5°	57.0	57.0	57.0	57.0	57.0	57.0	57.0	53.2	53.2	53.2	60.8
105°	34.2	34.2	30.4	30.4	30.4	30.4	30.4	26.6	26.6	26.6	34.2
107.5°	11.4	11.4	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	11.4
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°	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3	961.3
2.5°	953.7	953.7	957.5	953.7	953.7	949.9	946.1	942.3	946.1	946.1
5°	953.7	957.5	953.7	949.9	946.1	942.3	942.3	934.7	934.7	938.5
7.5°	949.9	957.5	949.9	946.1	934.7	930.9	927.1	919.5	919.5	919.5
10°	946.1	946.1	942.3	927.1	919.5	908.1	904.3	896.7	892.9	889.1
12.5°	946.1	946.1	934.7	923.3	911.9	896.7	892.9	885.3	881.5	877.7
15°	957.5	961.3	953.7	938.5	919.5	915.7	904.3	900.5	896.7	904.3
17.5°	976.5	972.7	965.1	949.9	938.5	934.7	919.5	919.5	915.7	923.3
20°	995.5	987.9	980.3	972.7	957.5	949.9	949.9	938.5	942.3	934.7
22.5°	1018.3	1022.1	1010.7	999.3	987.9	984.1	980.3	980.3	976.5	976.5
25°	1056.2	1056.2	1048.6	1037.3	1029.7	1022.1	1018.3	1022.1	1014.5	1025.9
27.5°	1101.8	1098.0	1098.0	1090.4	1079.0	1075.2	1071.4	1075.2	1071.4	1071.4
30°	1147.4	1155.0	1147.4	1143.6	1136.0	1136.0	1132.2	1132.2	1136.0	1132.2
32.5°	1219.6	1223.4	1223.4	1219.6	1212.0	1208.2	1208.2	1212.0	1219.6	1215.8
35°	1314.6	1318.4	1326.0	1333.6	1333.6	1326.0	1318.4	1314.6	1318.4	1318.4
37.5°	1440.0	1443.8	1451.4	1451.4	1447.6	1443.8	1447.6	1455.2	1440.0	1440.0
40°	1569.2	1565.4	1573.0	1580.6	1584.4	1580.6	1576.8	1584.4	1592.0	1603.4
42.5°	1713.6	1721.2	1725.0	1740.1	1747.7	1747.7	1743.9	1755.3	1759.1	1759.1
45°	1884.5	1903.5	1895.9	1922.5	1945.3	1949.1	1937.7	1945.3	1937.7	1945.3
47.5°	2082.1	2097.3	2112.5	2135.3	2146.7	2154.3	2150.5	2158.1	2165.7	2165.7
50°	2306.3	2317.7	2344.3	2374.7	2393.7	2393.7	2378.5	2393.7	2408.9	2405.1
52.5°	2541.8	2564.6	2591.2	2617.8	2633.0	2636.8	2636.8	2648.2	2644.4	2644.4
55°	2788.8	2807.8	2842.0	2857.2	2876.2	2883.8	2883.8	2887.6	2883.8	2883.8
57.5°	3024.4	3047.2	3073.8	3104.2	3123.1	3130.7	3123.1	3123.1	3123.1	3115.6
60°	3267.5	3282.7	3309.3	3332.1	3343.5	3358.7	3358.7	3354.9	3351.1	3347.3
62.5°	3491.7	3499.3	3506.9	3510.7	3522.1	3552.5	3552.5	3571.5	3571.5	3567.7
65°	3784.3	3750.1	3719.7	3727.3	3753.9	3780.5	3803.3	3879.2	3917.2	3932.4
67.5°	3841.2	3791.9	3746.3	3742.5	3757.7	3765.3	3776.7	3818.4	3860.2	3860.2
70°	3506.9	3476.5	3434.7	3453.7	3465.1	3453.7	3468.9	3495.5	3533.5	3499.3
72.5°	3073.8	3024.4	3054.8	3073.8	3054.8	3039.6	3047.2	3043.4	3070.0	3096.6
75°	2595.0	2492.4	2492.4	2492.4	2500.0	2465.8	2465.8	2469.6	2519.0	2450.6
77.5°	1922.5	1850.3	1831.3	1755.3	1747.7	1702.2	1732.6	1713.6	1759.1	1732.6
80°	896.7	866.3	854.9	778.9	763.7	642.1	687.7	611.7	634.5	569.9
82.5°	186.2	182.4	178.6	159.6	144.4	125.4	148.2	167.2	171.0	167.2
85°	117.8	121.6	121.6	114.0	106.4	95.0	114.0	140.6	148.2	148.2
87.5°	102.6	106.4	106.4	102.6	95.0	83.6	95.0	106.4	110.2	106.4
90°	110.2	114.0	110.2	106.4	98.8	87.4	98.8	102.6	83.6	87.4
92.5°	133.0	133.0	129.2	129.2	125.4	110.2	121.6	98.8	38.0	11.4
95°	129.2	125.4	125.4	121.6	117.8	98.8	98.8	26.6	0.0	0.0
97.5°	110.2	102.6	102.6	98.8	98.8	83.6	60.8	0.0	0.0	0.0
100°	83.6	72.2	72.2	68.4	68.4	57.0	22.8	0.0	0.0	0.0
102.5°	57.0	45.6	41.8	38.0	38.0	34.2	3.8	0.0	0.0	0.0
105°	30.4	19.0	15.2	11.4	11.4	7.6	0.0	0.0	0.0	0.0
107.5°	11.4	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)