

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: P692007

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7040-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692007
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
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-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7600 lumens
Efficiency: N/A
Efficacy: 96.2 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - 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

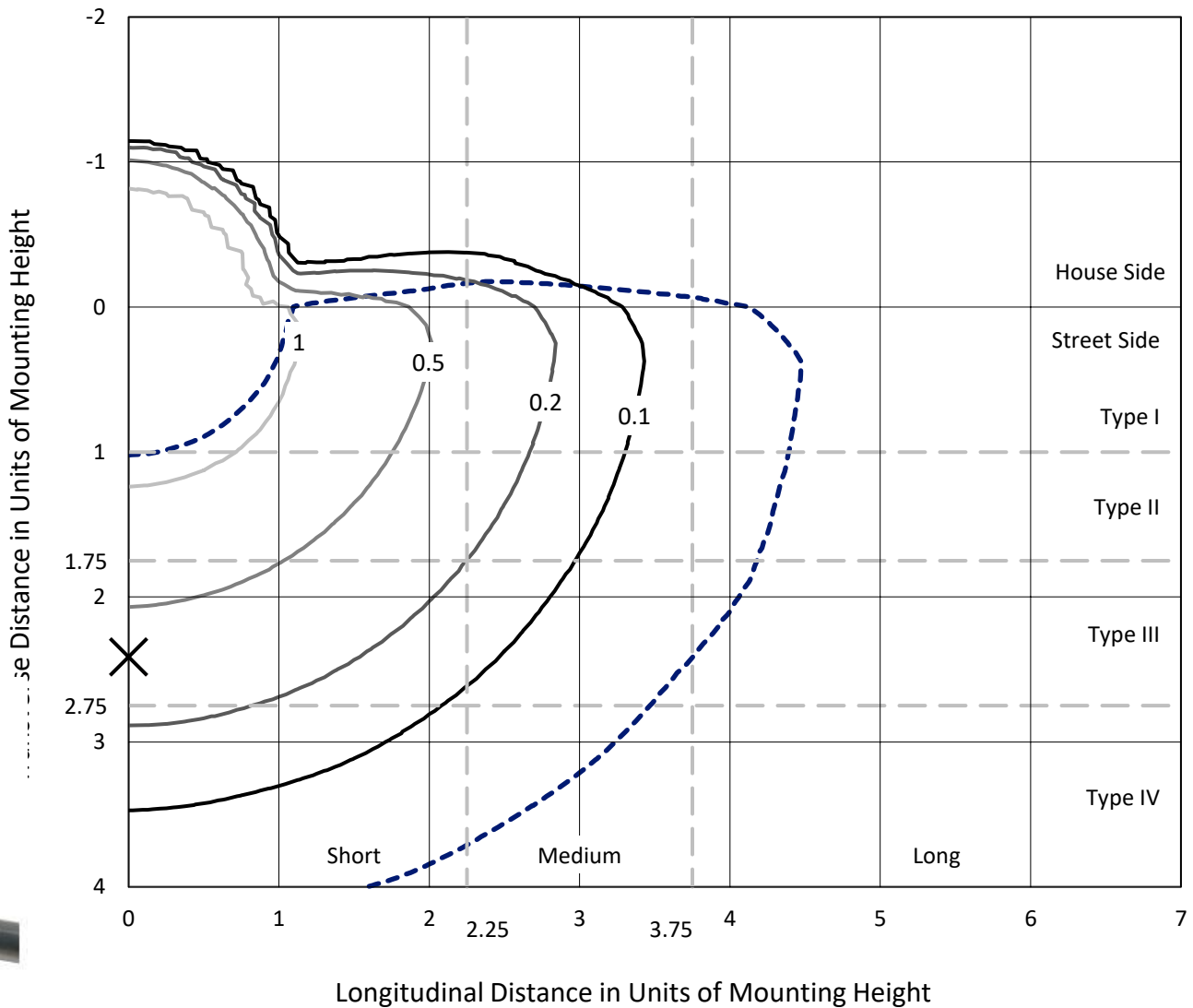


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

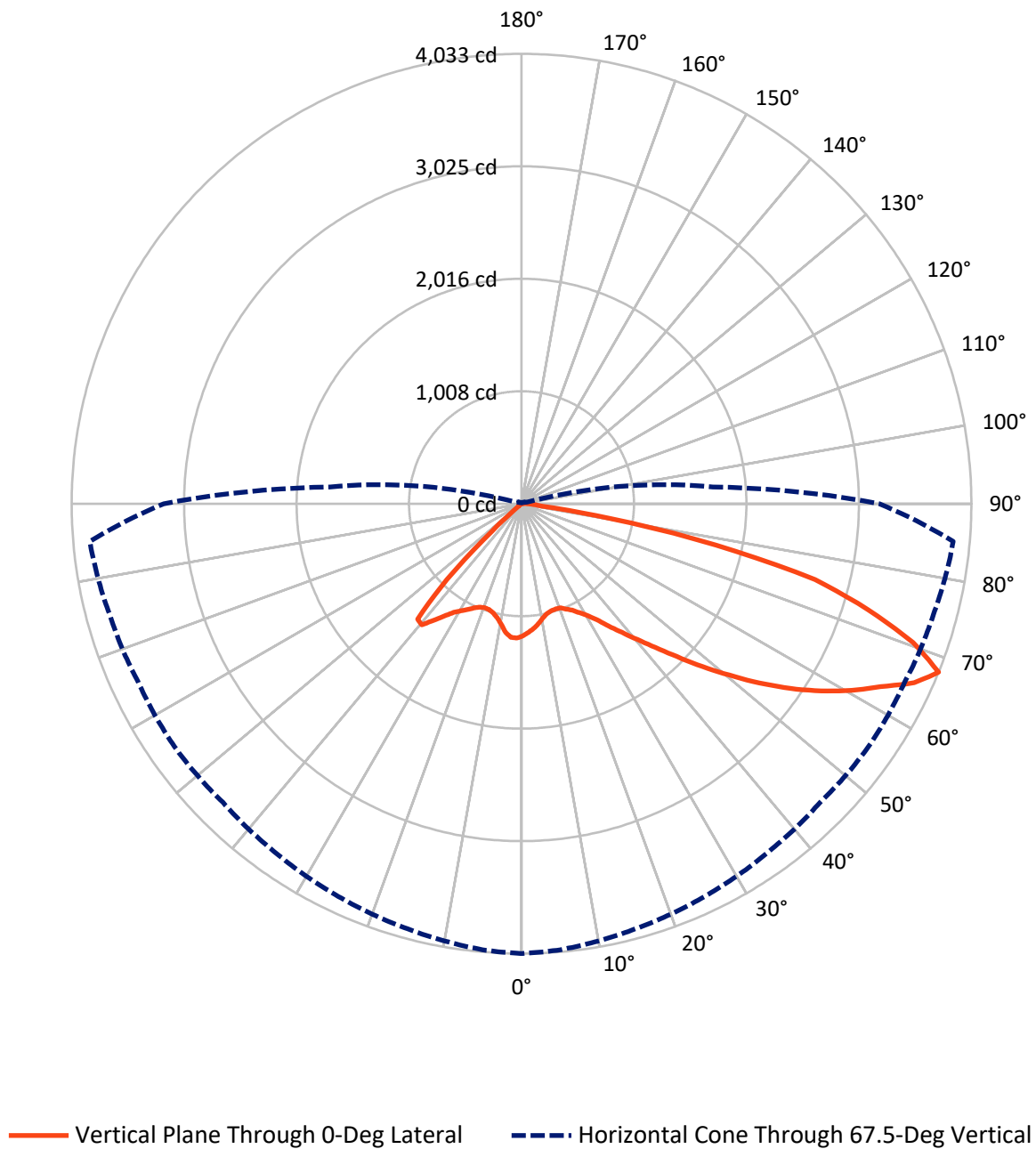


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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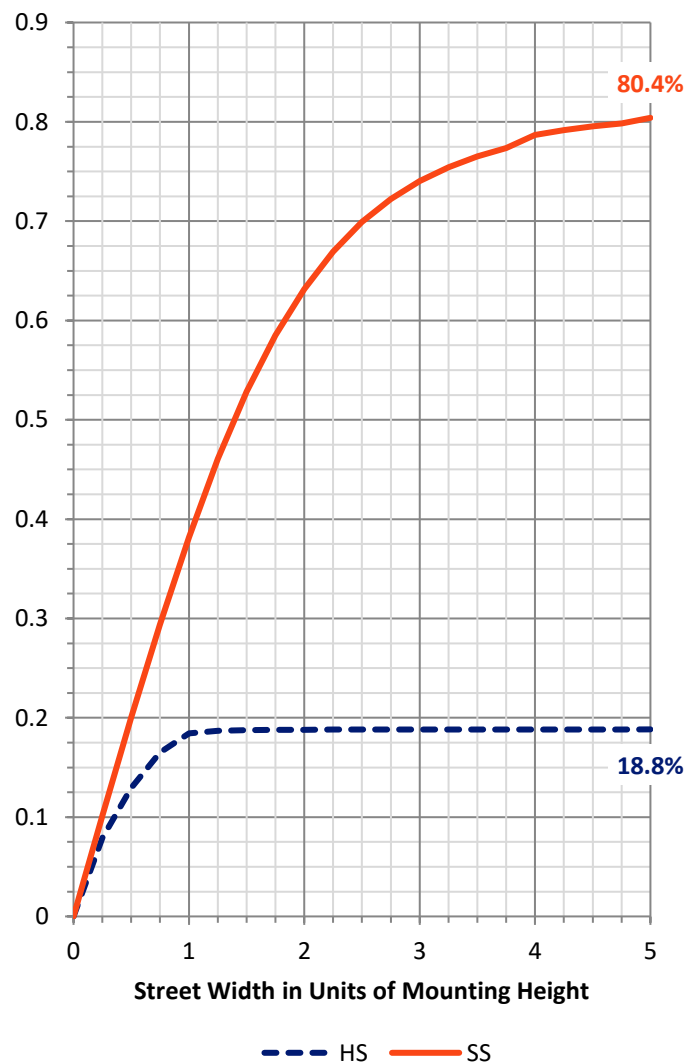
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1439.3	2.7	1442.0
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	6140.7	17.3	6158.0
	% Fixture	80.8	0.2	81.0
Total	Lumens	7580.0	20.0	7600.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.0	1.4
10°-20°	279.0	3.7
20°-30°	478.4	6.3
30°-40°	809.0	10.6
40°-50°	1079.5	14.2
50°-60°	1370.6	18.0
60°-70°	1919.3	25.3
70°-80°	1390.1	18.3
80°-90°	148.1	1.9
90°-100°	16.6	0.2
100°-110°	1.7	0.0
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.2	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7580.0	99.7
0°-180°	7600.0	100.0

Coefficient of Utilization



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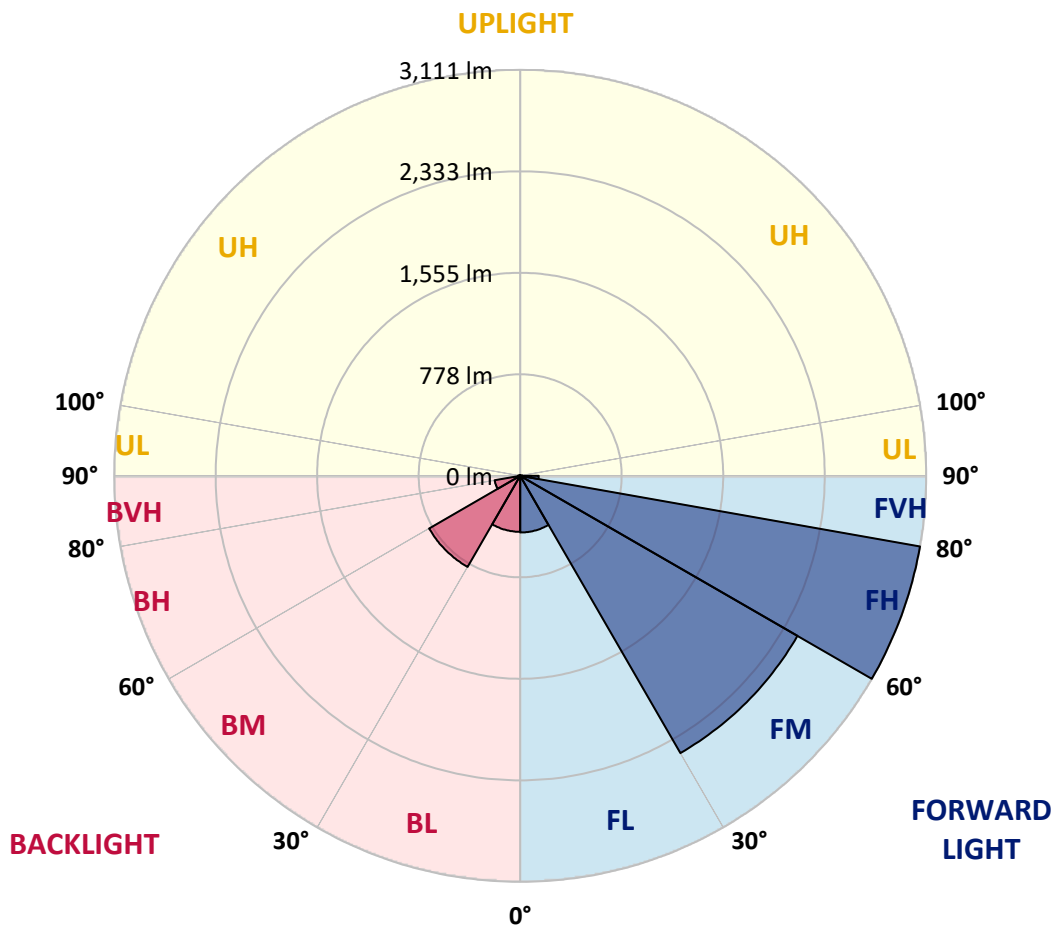
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7040-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	434.4	5.7			
FM	(30°-60°)	2453.0	32.3			
FH	(60°-80°)	3110.7	40.9			G2/5000
FVH	(80°-90°)	142.6	1.9			G2/225
BL	(0°-30°)	429.0	5.6	B1/500		
BM	(30°-60°)	806.0	10.6	B1/1000		
BH	(60°-80°)	198.7	2.6	B1/500		G1/500
BVH	(80°-90°)	5.5	0.1			G0/10
UL	(90°-100°)	16.6	0.2		U2/50	
UH	(100°-180°)	3.4	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9
2.5°	1155.5	1159.3	1159.3	1159.3	1163.1	1159.3	1159.3	1159.3	1159.3	1163.1	1163.1
5°	1125.1	1125.1	1125.1	1128.9	1128.9	1125.1	1121.3	1125.1	1125.1	1128.9	1128.9
7.5°	1087.0	1087.0	1087.0	1090.8	1087.0	1079.4	1071.8	1075.6	1071.8	1075.6	1079.4
10°	1041.4	1045.2	1045.2	1041.4	1037.6	1026.2	1014.8	1018.6	1014.8	1018.6	1018.6
12.5°	1011.0	1014.8	1014.8	1011.0	999.6	992.0	984.4	976.8	973.0	980.6	976.8
15°	995.8	999.6	999.6	995.8	988.2	980.6	965.4	961.6	954.0	950.2	954.0
17.5°	992.0	992.0	992.0	988.2	980.6	969.2	961.6	954.0	950.2	950.2	946.4
20°	995.8	1003.4	999.6	995.8	988.2	980.6	969.2	957.8	957.8	957.8	954.0
22.5°	1026.2	1026.2	1022.4	1022.4	1014.8	1003.4	992.0	984.4	976.8	976.8	976.8
25°	1056.6	1060.4	1060.4	1056.6	1045.2	1030.0	1026.2	1014.8	1011.0	1007.2	1003.4
27.5°	1106.1	1102.2	1106.1	1106.1	1090.8	1083.2	1071.8	1064.2	1060.4	1052.8	1049.0
30°	1163.1	1163.1	1163.1	1163.1	1151.7	1136.5	1128.9	1117.5	1106.1	1106.1	1098.4
32.5°	1239.1	1242.9	1242.9	1239.1	1227.7	1212.5	1204.9	1189.7	1185.9	1178.3	1170.7
35°	1345.5	1345.5	1345.5	1337.9	1322.7	1311.3	1303.7	1292.3	1288.5	1277.1	1258.1
37.5°	1463.3	1463.3	1470.9	1463.3	1448.1	1432.9	1421.5	1413.9	1402.5	1394.9	1383.5
40°	1600.2	1600.2	1604.0	1592.6	1577.4	1569.8	1558.4	1543.1	1535.5	1531.7	1508.9
42.5°	1759.8	1767.4	1767.4	1756.0	1744.6	1733.2	1718.0	1706.6	1699.0	1683.8	1653.4
45°	1953.6	1949.8	1957.4	1946.0	1938.4	1934.6	1911.8	1885.2	1889.0	1854.8	1820.6
47.5°	2181.7	2185.5	2181.7	2170.3	2162.7	2158.9	2136.1	2101.9	2086.7	2060.1	1995.5
50°	2413.5	2417.3	2413.5	2405.9	2413.5	2390.7	2364.1	2333.7	2329.9	2295.7	2196.9
52.5°	2668.2	2656.8	2653.0	2649.2	2641.6	2630.2	2603.6	2569.4	2573.2	2535.2	2379.3
55°	2922.9	2911.5	2892.5	2884.9	2877.3	2858.2	2835.4	2824.0	2820.2	2782.2	2573.2
57.5°	3166.1	3147.1	3120.5	3116.7	3105.3	3078.7	3067.3	3048.3	3048.3	3006.5	2713.8
60°	3398.0	3375.2	3344.8	3329.6	3310.5	3287.7	3283.9	3272.5	3276.3	3253.5	2865.8
62.5°	3610.8	3591.8	3553.8	3531.0	3500.6	3481.6	3485.4	3477.8	3493.0	3477.8	2998.9
65°	3869.3	3846.5	3800.9	3751.4	3709.6	3679.2	3667.8	3690.6	3755.2	3770.5	3177.5
67.5°	4032.7	4013.7	3945.3	3884.5	3827.5	3785.7	3797.1	3789.5	3823.7	3884.5	3207.9
70°	3724.8	3717.2	3648.8	3610.8	3569.0	3527.2	3531.0	3519.6	3546.2	3561.4	2941.9
72.5°	3249.7	3287.7	3200.3	3196.5	3169.9	3173.7	3131.9	3162.3	3143.3	3143.3	2603.6
75°	2717.6	2637.8	2611.2	2675.8	2637.8	2641.6	2634.0	2668.2	2664.4	2668.2	2265.3
77.5°	1782.6	1797.8	1763.6	1832.0	1866.2	1923.2	1949.8	2041.1	2006.9	1999.3	1794.0
80°	798.2	817.2	821.0	885.6	927.4	984.4	965.4	1030.0	988.2	919.8	878.0
82.5°	178.6	178.6	201.4	258.5	273.7	285.1	285.1	296.5	235.7	144.4	117.8
85°	121.6	117.8	159.6	216.6	228.1	220.4	212.8	197.6	136.8	41.8	34.2
87.5°	79.8	83.6	129.2	178.6	186.2	174.8	163.4	148.2	98.8	11.4	7.6
90°	53.2	60.8	98.8	136.8	136.8	129.2	117.8	98.8	60.8	3.8	3.8
92.5°	26.6	30.4	49.4	60.8	57.0	49.4	45.6	38.0	22.8	3.8	3.8
95°	15.2	15.2	22.8	22.8	22.8	19.0	19.0	15.2	7.6	3.8	3.8
97.5°	11.4	11.4	15.2	15.2	11.4	11.4	11.4	7.6	3.8	3.8	3.8
100°	7.6	7.6	7.6	7.6	7.6	7.6	7.6	3.8	3.8	3.8	3.8
102.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
105°	0.0	0.0	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	3.8
107.5°	0.0	0.0	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	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	3.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8
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	3.8
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	3.8
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	3.8	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	3.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8
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	3.8	0.0	3.8	3.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	3.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.8	3.8	0.0	3.8	3.8
175°	0.0	0.0	0.0	0.0	0.0	3.8	3.8	3.8	3.8	3.8	3.8
177.5°	0.0	0.0	0.0	0.0	0.0	3.8	0.0	3.8	3.8	3.8	3.8
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°	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9	1185.9
2.5°	1166.9	1170.7	1174.5	1182.1	1182.1	1193.5	1197.3	1201.1	1204.9	1204.9
5°	1136.5	1140.3	1151.7	1159.3	1170.7	1178.3	1189.7	1193.5	1197.3	1201.1
7.5°	1079.4	1087.0	1098.4	1102.2	1117.5	1128.9	1140.3	1151.7	1155.5	1163.1
10°	1022.4	1026.2	1030.0	1041.4	1049.0	1064.2	1079.4	1087.0	1094.6	1094.6
12.5°	980.6	984.4	988.2	992.0	1003.4	1011.0	1026.2	1033.8	1037.6	1045.2
15°	954.0	954.0	961.6	961.6	969.2	980.6	988.2	999.6	1003.4	1011.0
17.5°	946.4	946.4	950.2	954.0	961.6	965.4	973.0	984.4	988.2	992.0
20°	950.2	954.0	954.0	957.8	965.4	969.2	976.8	980.6	984.4	988.2
22.5°	969.2	965.4	969.2	969.2	973.0	980.6	988.2	995.8	999.6	999.6
25°	995.8	992.0	992.0	999.6	1003.4	1007.2	1018.6	1022.4	1026.2	1026.2
27.5°	1041.4	1037.6	1041.4	1041.4	1045.2	1045.2	1056.6	1056.6	1060.4	1064.2
30°	1087.0	1075.6	1075.6	1075.6	1079.4	1087.0	1090.8	1098.4	1102.2	1102.2
32.5°	1155.5	1132.7	1128.9	1132.7	1132.7	1136.5	1147.9	1144.1	1151.7	1147.9
35°	1242.9	1220.1	1212.5	1212.5	1212.5	1212.5	1223.9	1216.3	1223.9	1220.1
37.5°	1349.3	1318.9	1315.1	1315.1	1307.5	1311.3	1315.1	1307.5	1303.7	1307.5
40°	1463.3	1410.1	1406.3	1410.1	1410.1	1410.1	1410.1	1406.3	1402.5	1406.3
42.5°	1410.1	1197.3	1223.9	1261.9	1299.9	1345.5	1356.9	1387.3	1391.1	1391.1
45°	1231.5	691.8	729.8	786.8	809.6	824.8	866.6	931.2	950.2	954.0
47.5°	1087.0	231.9	247.1	269.9	307.9	326.9	330.7	376.3	395.3	357.3
50°	1075.6	53.2	38.0	38.0	41.8	34.2	34.2	38.0	38.0	38.0
52.5°	1174.5	49.4	34.2	30.4	30.4	30.4	26.6	30.4	30.4	30.4
55°	1277.1	49.4	34.2	30.4	30.4	30.4	26.6	26.6	26.6	26.6
57.5°	1360.7	49.4	34.2	30.4	30.4	26.6	22.8	22.8	22.8	22.8
60°	1459.5	49.4	34.2	30.4	30.4	22.8	19.0	19.0	19.0	19.0
62.5°	1543.1	53.2	34.2	30.4	26.6	19.0	19.0	19.0	19.0	19.0
65°	1664.8	53.2	34.2	26.6	19.0	15.2	15.2	15.2	15.2	15.2
67.5°	1721.8	53.2	30.4	22.8	15.2	11.4	11.4	11.4	11.4	11.4
70°	1550.8	41.8	22.8	15.2	11.4	11.4	11.4	11.4	11.4	11.4
72.5°	1326.5	30.4	15.2	11.4	7.6	7.6	7.6	7.6	7.6	3.8
75°	1056.6	19.0	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0
77.5°	741.2	15.2	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0
80°	307.9	11.4	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	45.6	7.6	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	15.2	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.8	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.8	3.8	3.8	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°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.8	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.8	3.8	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°	3.8	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	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.8	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°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.8	3.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.8	3.8	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)