

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: P691727

Luminaire Tested: **CRTK2-C018-D-U-T5R-7040-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691727
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-29)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T5R-7040-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4673 lumens
Efficiency: N/A
Efficacy: 92.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 50.4
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



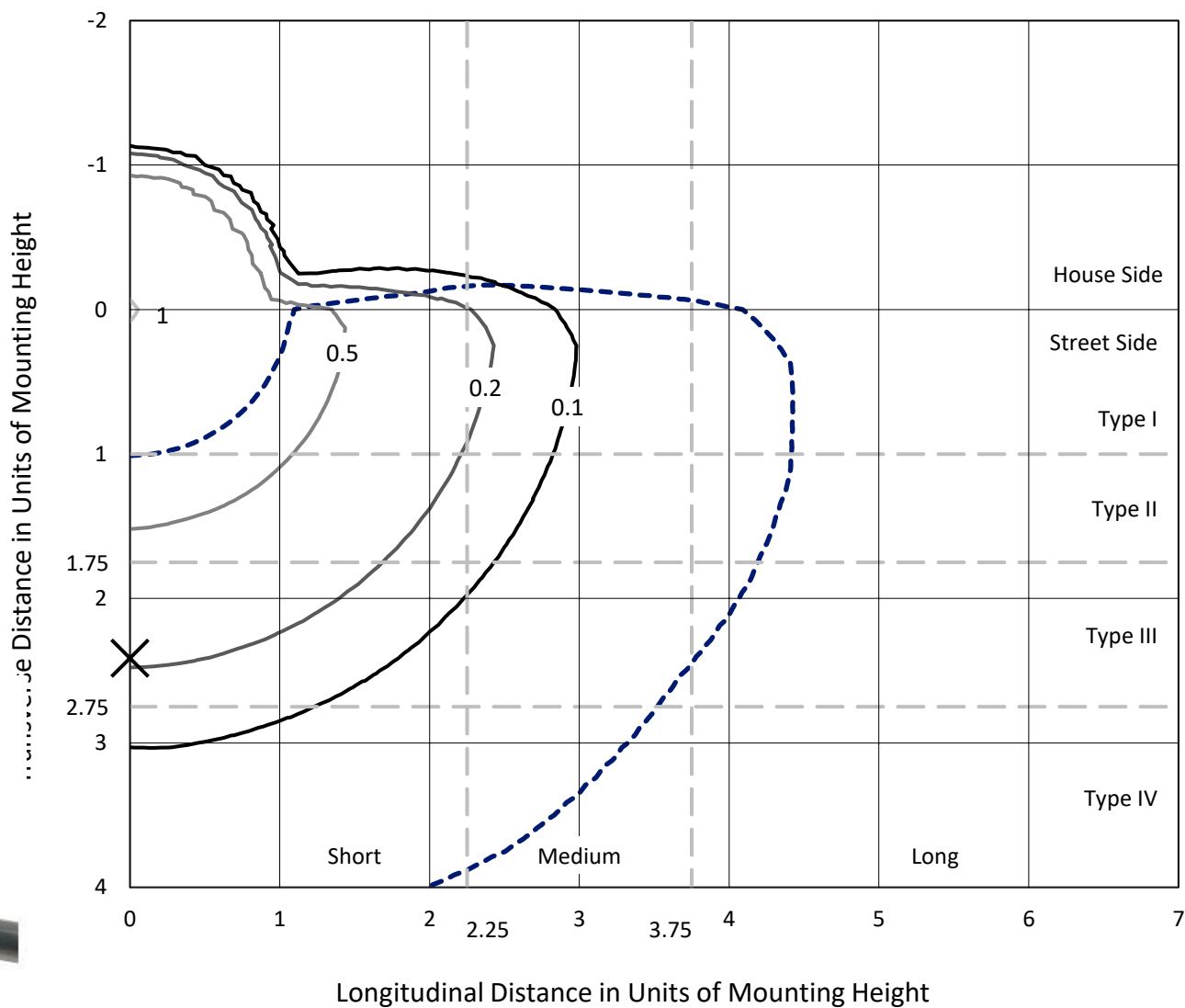
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CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

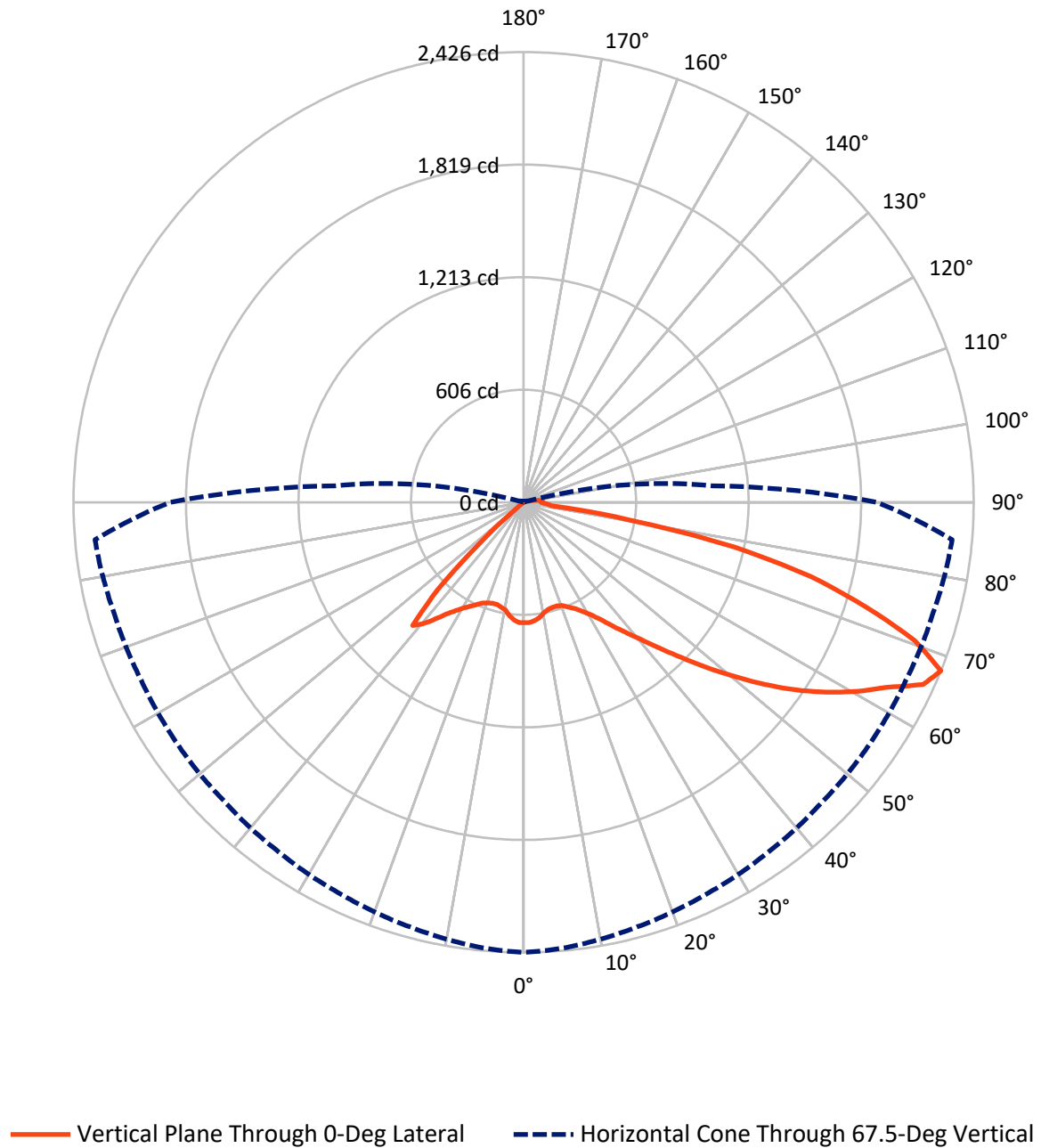


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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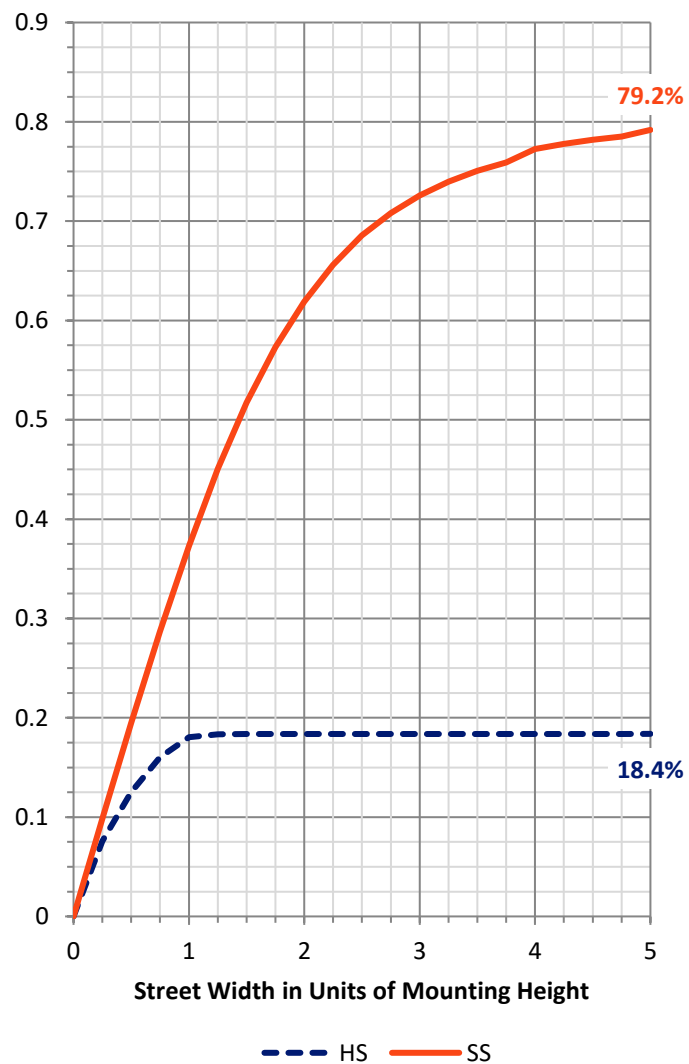
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	864.3	3.5	867.8
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	3740.3	64.9	3805.3
	% Fixture	80.0	1.4	81.4
Total	Lumens	4604.6	68.4	4673.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	59.0	1.3
10°-20°	161.4	3.5
20°-30°	284.3	6.1
30°-40°	486.1	10.4
40°-50°	668.0	14.3
50°-60°	825.6	17.7
60°-70°	1153.7	24.7
70°-80°	842.8	18.0
80°-90°	123.7	2.6
90°-100°	54.6	1.2
100°-110°	12.5	0.3
110°-120°	0.8	0.0
120°-130°	0.2	0.0
130°-140°	0.1	0.0
140°-150°	0.0	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4604.6	98.5
0°-180°	4673.0	100.0

Coefficient of Utilization



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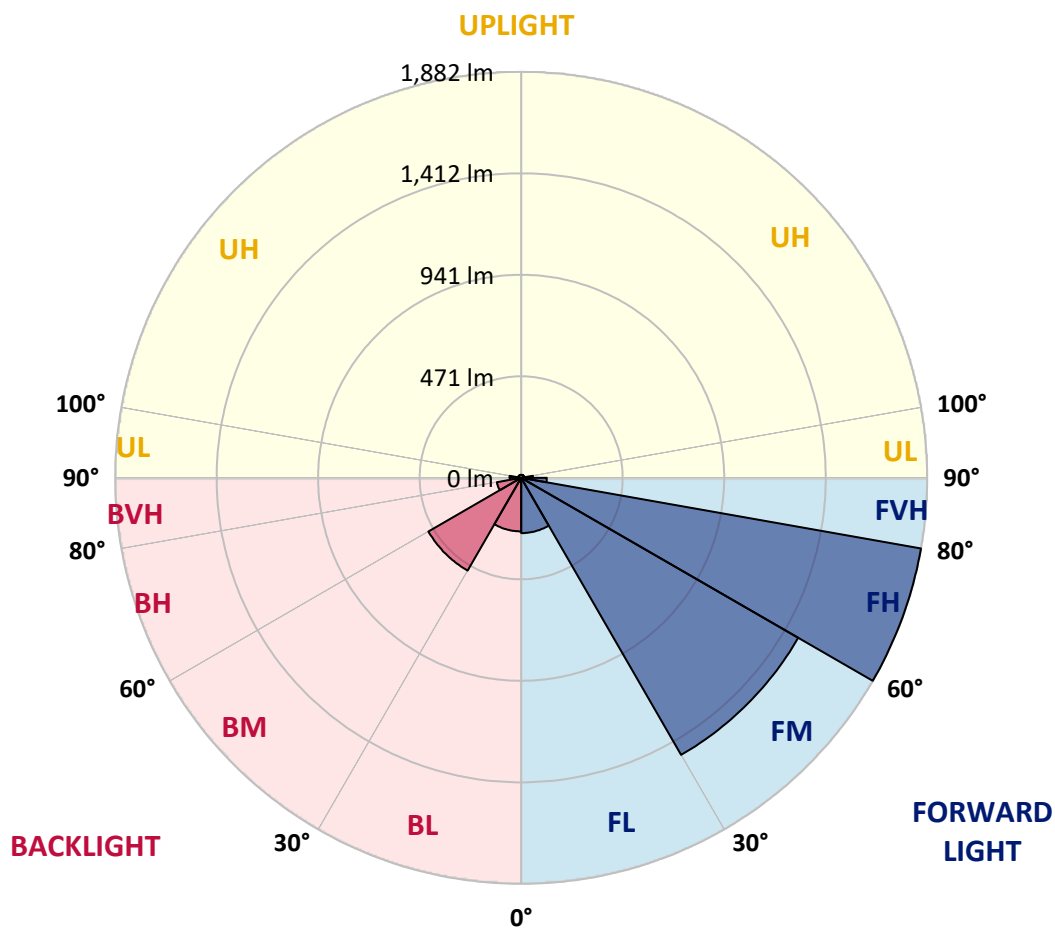
CATALOG NUMBER: CRTK2-C018-D-U-T5R-7040-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	256.3	5.5			
FM	(30°-60°)	1483.0	31.7			
FH	(60°-80°)	1882.1	40.3			G2/5000
FVH	(80°-90°)	118.9	2.5			G2/225
BL	(0°-30°)	248.5	5.3	B1/500		
BM	(30°-60°)	496.6	10.6	B1/1000		
BH	(60°-80°)	114.4	2.4	B1/500		G1/500
BVH	(80°-90°)	4.8	0.1			G0/10
UL	(90°-100°)	54.6	1.2		U3/500	
UH	(100°-180°)	13.9	0.3		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7
2.5°	648.7	648.7	648.7	648.7	651.0	648.7	646.5	641.9	641.9	641.9	641.9
5°	639.6	639.6	641.9	641.9	639.6	637.3	632.8	632.8	630.5	630.5	630.5
7.5°	625.9	625.9	625.9	628.2	623.6	616.8	614.5	612.2	609.9	607.6	605.3
10°	605.3	605.3	605.3	603.1	598.5	591.6	587.1	582.5	582.5	580.2	577.9
12.5°	591.6	591.6	591.6	589.4	582.5	577.9	571.1	566.5	564.2	564.2	561.9
15°	587.1	587.1	587.1	584.8	577.9	573.4	566.5	561.9	557.4	555.1	552.8
17.5°	587.1	587.1	587.1	582.5	580.2	573.4	566.5	561.9	559.7	557.4	555.1
20°	593.9	596.2	593.9	591.6	584.8	580.2	573.4	566.5	564.2	564.2	561.9
22.5°	612.2	609.9	609.9	607.6	600.8	593.9	589.4	584.8	580.2	580.2	577.9
25°	632.8	635.0	635.0	630.5	625.9	619.1	612.2	605.3	603.1	600.8	598.5
27.5°	662.5	662.5	664.7	660.2	653.3	648.7	641.9	637.3	632.8	628.2	625.9
30°	699.0	701.3	701.3	696.7	689.9	680.7	676.2	669.3	662.5	662.5	655.6
32.5°	747.0	751.5	749.3	744.7	737.8	728.7	724.1	717.3	712.7	705.9	701.3
35°	813.2	815.5	813.2	808.6	797.2	788.1	783.5	779.0	774.4	765.2	756.1
37.5°	886.3	888.6	890.9	886.3	872.6	858.9	854.3	847.5	845.2	833.8	829.2
40°	970.8	975.4	973.1	966.3	954.8	941.1	938.9	932.0	925.1	918.3	906.9
42.5°	1073.6	1073.6	1071.3	1066.8	1057.6	1041.7	1037.1	1030.2	1025.7	1012.0	993.7
45°	1192.4	1194.7	1187.8	1181.0	1178.7	1165.0	1153.6	1146.7	1133.0	1117.0	1096.5
47.5°	1331.8	1329.5	1320.3	1313.5	1311.2	1299.8	1290.6	1276.9	1258.7	1240.4	1201.6
50°	1475.7	1475.7	1459.7	1452.8	1457.4	1441.4	1430.0	1414.0	1395.7	1377.4	1320.3
52.5°	1631.0	1624.2	1608.2	1610.4	1603.6	1587.6	1573.9	1562.5	1544.2	1528.2	1436.8
55°	1786.3	1777.2	1752.1	1754.4	1742.9	1724.7	1715.5	1701.8	1697.3	1679.0	1548.8
57.5°	1930.3	1918.8	1891.4	1889.1	1880.0	1859.4	1854.9	1838.9	1827.5	1818.3	1633.3
60°	2069.6	2058.2	2033.0	2023.9	2005.6	1985.1	1987.4	1978.2	1971.4	1962.2	1726.9
62.5°	2195.2	2181.5	2158.7	2140.4	2115.3	2097.0	2099.3	2094.7	2099.3	2097.0	1806.9
65°	2366.6	2352.9	2318.6	2286.6	2250.1	2222.6	2220.4	2227.2	2275.2	2279.8	1930.3
67.5°	2425.9	2412.2	2368.8	2330.0	2300.3	2279.8	2275.2	2272.9	2286.6	2318.6	1905.1
70°	2238.6	2229.5	2188.4	2161.0	2131.3	2117.6	2103.9	2110.7	2124.4	2122.1	1747.5
72.5°	1932.5	1982.8	1930.3	1905.1	1898.3	1861.7	1870.9	1864.0	1873.1	1870.9	1553.3
75°	1599.0	1585.3	1573.9	1617.3	1585.3	1557.9	1573.9	1589.9	1605.9	1587.6	1361.5
77.5°	1162.7	1171.9	1167.3	1183.3	1213.0	1199.3	1190.1	1229.0	1235.8	1174.1	1057.6
80°	584.8	621.3	632.8	660.2	676.2	646.5	621.3	676.2	667.0	596.2	536.8
82.5°	153.0	155.3	178.2	210.2	214.7	210.2	214.7	210.2	182.7	116.5	98.2
85°	127.9	127.9	157.6	191.9	198.7	189.6	189.6	178.2	141.6	73.1	59.4
87.5°	105.1	109.6	141.6	173.6	178.2	169.0	166.8	153.0	123.4	64.0	50.3
90°	93.7	98.2	127.9	155.3	157.6	148.5	146.2	137.1	111.9	64.0	50.3
92.5°	102.8	105.1	125.6	141.6	141.6	134.8	132.5	125.6	109.6	80.0	61.7
95°	91.4	93.7	102.8	109.6	107.4	100.5	105.1	98.2	91.4	75.4	57.1
97.5°	75.4	77.7	80.0	80.0	77.7	73.1	77.7	75.4	70.8	61.7	45.7
100°	57.1	57.1	57.1	59.4	57.1	54.8	57.1	52.5	50.3	43.4	32.0
102.5°	38.8	38.8	38.8	38.8	38.8	38.8	38.8	34.3	32.0	27.4	18.3
105°	22.8	22.8	20.6	22.8	22.8	20.6	20.6	18.3	13.7	11.4	6.9
107.5°	9.1	9.1	6.9	6.9	6.9	6.9	4.6	2.3	2.3	2.3	2.3
110°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3	2.3
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	2.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3
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	2.3	2.3	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3	2.3	2.3	2.3
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°	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7	648.7
2.5°	641.9	641.9	641.9	641.9	641.9	641.9	644.2	646.5	648.7	648.7
5°	630.5	630.5	630.5	628.2	630.5	632.8	635.0	635.0	637.3	637.3
7.5°	607.6	605.3	605.3	605.3	607.6	612.2	612.2	614.5	616.8	616.8
10°	577.9	577.9	577.9	577.9	580.2	584.8	584.8	589.4	589.4	589.4
12.5°	561.9	561.9	559.7	557.4	561.9	561.9	568.8	571.1	573.4	577.9
15°	552.8	550.5	552.8	552.8	555.1	557.4	559.7	564.2	566.5	568.8
17.5°	552.8	552.8	552.8	555.1	557.4	557.4	559.7	564.2	566.5	568.8
20°	561.9	561.9	559.7	559.7	561.9	561.9	566.5	571.1	573.4	575.6
22.5°	575.6	573.4	573.4	571.1	573.4	575.6	580.2	584.8	584.8	584.8
25°	593.9	591.6	591.6	591.6	596.2	596.2	600.8	605.3	605.3	605.3
27.5°	623.6	619.1	616.8	616.8	616.8	619.1	623.6	625.9	628.2	628.2
30°	648.7	644.2	641.9	639.6	641.9	644.2	648.7	653.3	653.3	653.3
32.5°	694.4	683.0	676.2	678.4	678.4	680.7	685.3	685.3	687.6	687.6
35°	747.0	735.6	724.1	726.4	726.4	728.7	728.7	728.7	733.3	728.7
37.5°	813.2	794.9	785.8	788.1	783.5	783.5	783.5	783.5	781.2	785.8
40°	884.0	856.6	847.5	849.8	847.5	845.2	845.2	847.5	845.2	847.5
42.5°	872.6	758.4	785.8	817.8	840.6	856.6	874.9	884.0	884.0	893.2
45°	763.0	450.0	482.0	525.4	561.9	600.8	619.1	632.8	641.9	660.2
47.5°	662.5	162.2	185.0	214.7	253.6	253.6	285.5	299.2	303.8	319.8
50°	644.2	25.1	20.6	22.8	25.1	27.4	29.7	36.5	36.5	45.7
52.5°	701.3	22.8	13.7	9.1	9.1	6.9	4.6	4.6	4.6	6.9
55°	765.2	25.1	13.7	9.1	6.9	6.9	2.3	2.3	2.3	2.3
57.5°	820.1	22.8	11.4	9.1	6.9	4.6	0.0	0.0	0.0	0.0
60°	879.5	25.1	13.7	9.1	6.9	4.6	0.0	0.0	0.0	0.0
62.5°	932.0	25.1	13.7	9.1	6.9	2.3	0.0	0.0	0.0	0.0
65°	1007.4	27.4	13.7	9.1	4.6	0.0	0.0	0.0	0.0	0.0
67.5°	1021.1	27.4	13.7	6.9	2.3	0.0	0.0	0.0	0.0	0.0
70°	911.4	22.8	9.1	4.6	2.3	0.0	0.0	0.0	0.0	0.0
72.5°	783.5	13.7	6.9	2.3	0.0	0.0	0.0	0.0	0.0	0.0
75°	630.5	11.4	4.6	2.3	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	422.6	9.1	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
80°	189.6	6.9	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
82.5°	41.1	4.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	27.4	4.6	2.3	2.3	0.0	0.0	2.3	2.3	0.0	0.0
87.5°	25.1	2.3	2.3	2.3	0.0	0.0	0.0	2.3	0.0	0.0
90°	25.1	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	29.7	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	27.4	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	20.6	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	13.7	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	6.9	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	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°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	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°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.3	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°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.3	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°	2.3	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°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.3	2.3	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	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.3	2.3	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)