

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: P691642

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-7050-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691642
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-C018-5TLD-U-T5R-7050-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5460 lumens
Efficiency: N/A
Efficacy: 101.7 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): 53.7
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

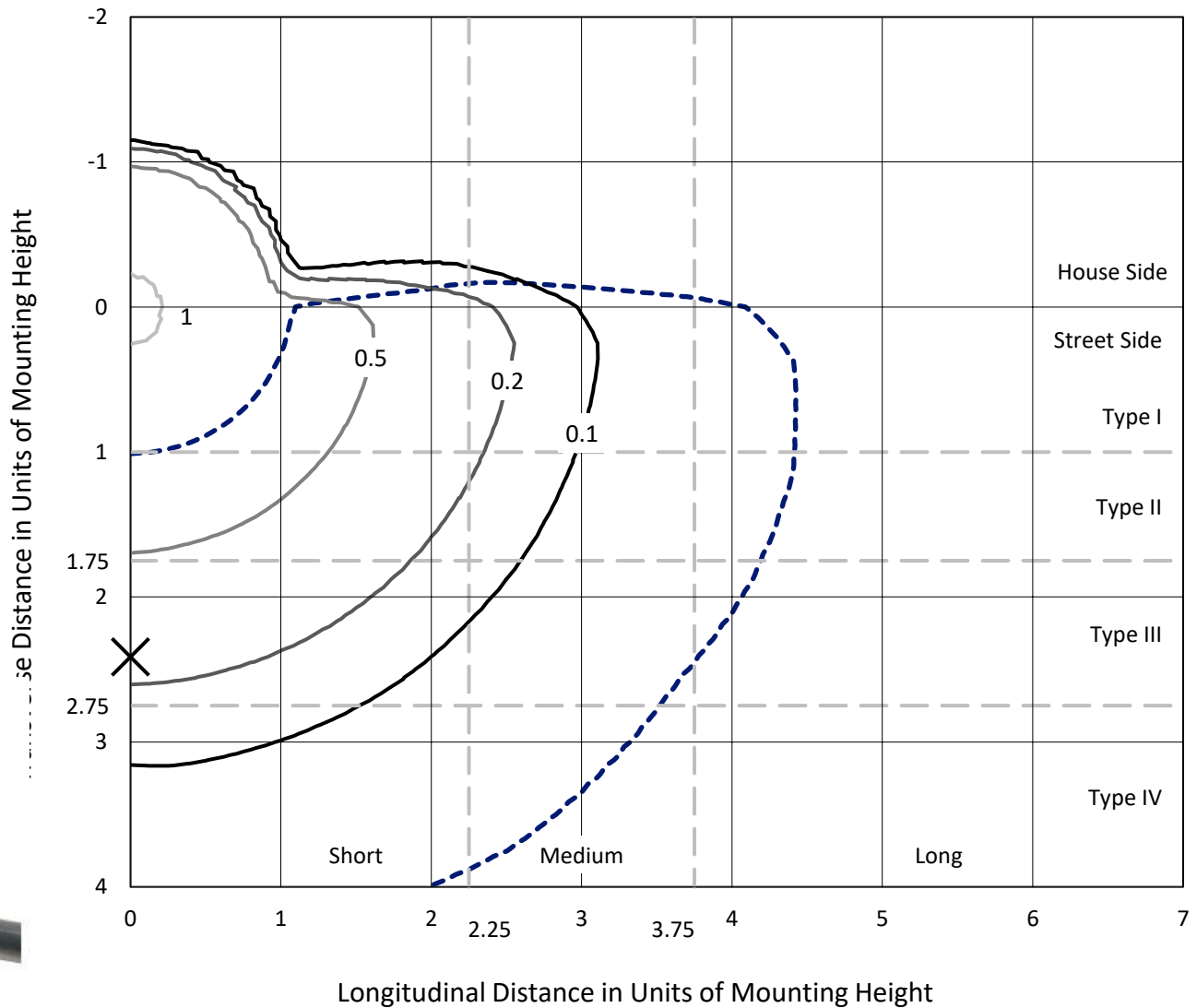


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Iso-Footcandle Lines of Horizontal Illumination

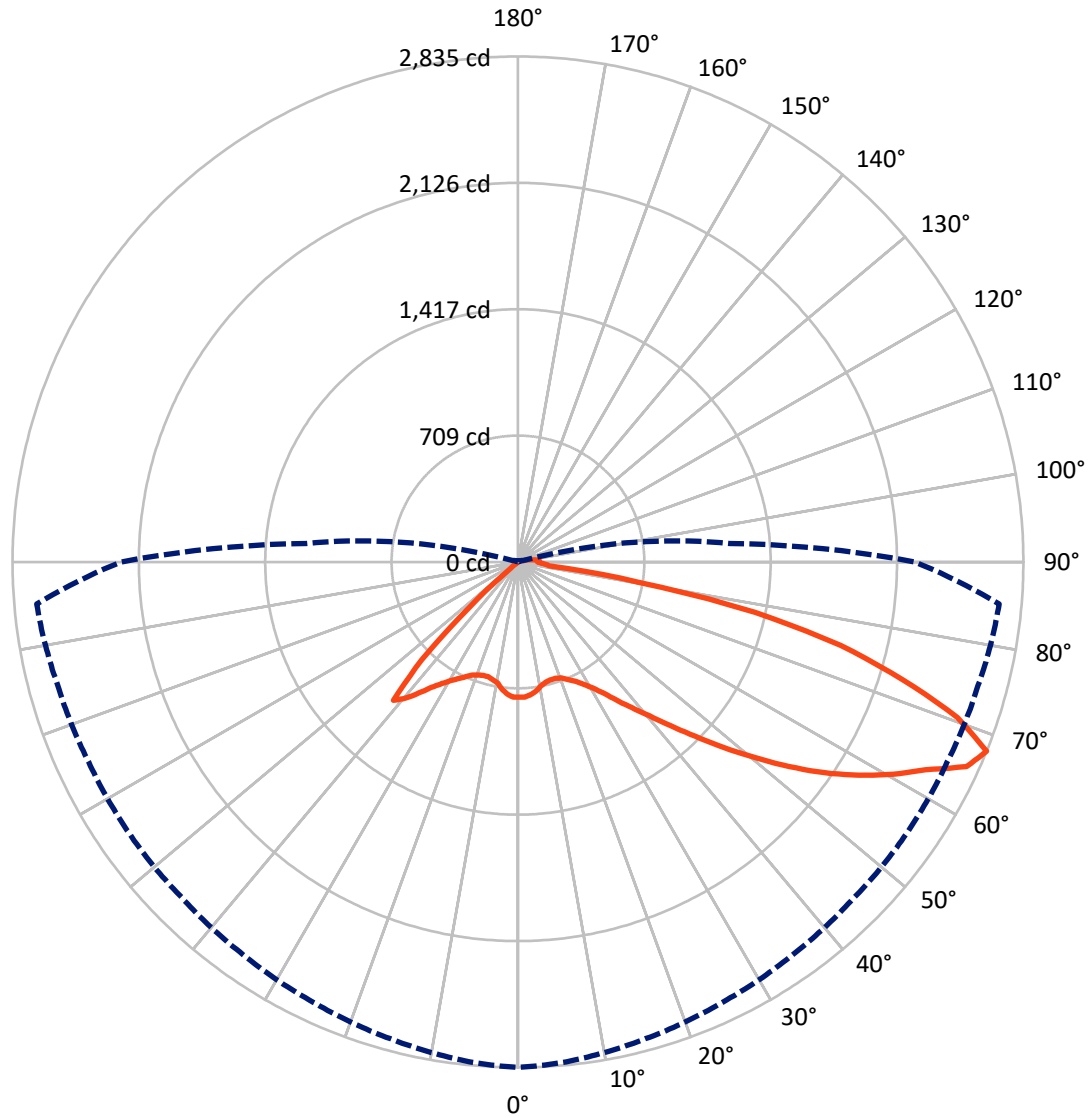
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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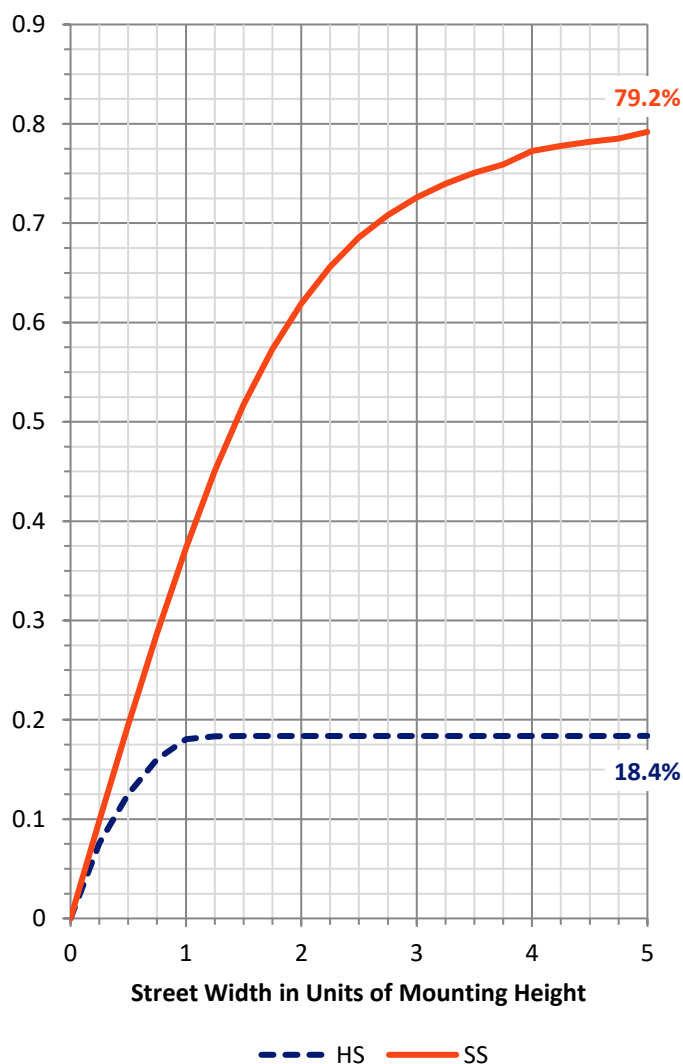
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1009.8	4.1	1013.9
	% Fixture	18.5	0.1	18.6
Street Side	Lumens	4370.2	75.9	4446.1
	% Fixture	80.0	1.4	81.4
Total	Lumens	5380.1	80.0	5460.0
	% Fixture	98.5	1.5	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.3
10°-20°	188.6	3.5
20°-30°	332.2	6.1
30°-40°	567.9	10.4
40°-50°	780.5	14.3
50°-60°	964.6	17.7
60°-70°	1348.0	24.7
70°-80°	984.7	18.0
80°-90°	144.6	2.6
90°-100°	63.7	1.2
100°-110°	14.6	0.3
110°-120°	0.9	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°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5380.1	98.5
0°-180°	5460.0	100.0

Coefficient of Utilization



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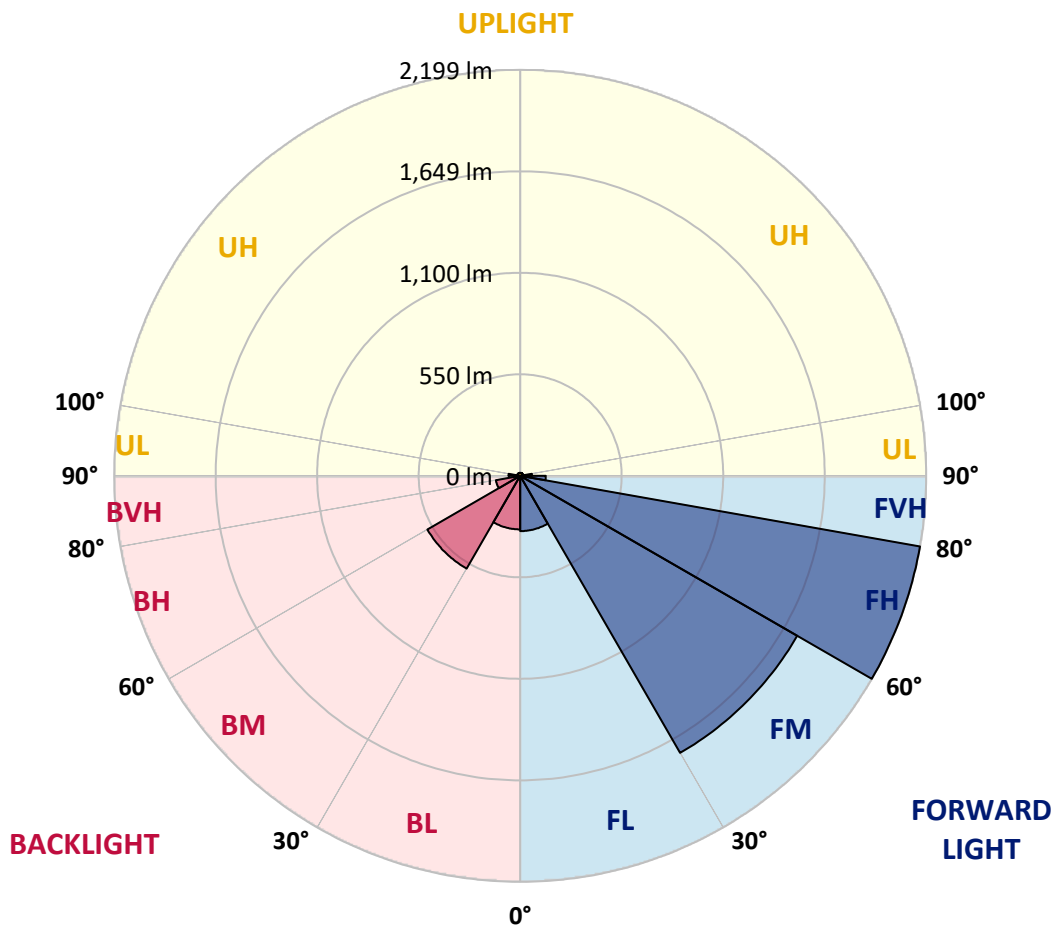
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-7050-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	299.4	5.5			
FM (30°-60°)	1732.7	31.7			
FH (60°-80°)	2199.1	40.3			G2/5000
FVH (80°-90°)	139.0	2.5			G2/225
BL (0°-30°)	290.3	5.3	B1/500		
BM (30°-60°)	580.2	10.6	B1/1000		
BH (60°-80°)	133.6	2.4	B1/500		G1/500
BVH (80°-90°)	5.6	0.1			G0/10
UL (90°-100°)	63.7	1.2		U3/500	
UH (100°-180°)	16.2	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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	758.0	758.0	758.0	758.0	760.7	758.0	755.3	750.0	750.0	750.0	750.0
5°	747.3	747.3	750.0	750.0	747.3	744.7	739.3	739.3	736.7	736.7	736.7
7.5°	731.3	731.3	731.3	734.0	728.6	720.6	718.0	715.3	712.6	710.0	707.3
10°	707.3	707.3	707.3	704.6	699.3	691.3	685.9	680.6	680.6	677.9	675.3
12.5°	691.3	691.3	691.3	688.6	680.6	675.3	667.3	661.9	659.3	659.3	656.6
15°	685.9	685.9	685.9	683.3	675.3	669.9	661.9	656.6	651.2	648.6	645.9
17.5°	685.9	685.9	685.9	680.6	677.9	669.9	661.9	656.6	653.9	651.2	648.6
20°	693.9	696.6	693.9	691.3	683.3	677.9	669.9	661.9	659.3	659.3	656.6
22.5°	715.3	712.6	712.6	710.0	702.0	693.9	688.6	683.3	677.9	677.9	675.3
25°	739.3	742.0	742.0	736.7	731.3	723.3	715.3	707.3	704.6	702.0	699.3
27.5°	774.0	774.0	776.7	771.4	763.3	758.0	750.0	744.7	739.3	734.0	731.3
30°	816.7	819.4	819.4	814.1	806.0	795.4	790.0	782.0	774.0	774.0	766.0
32.5°	872.8	878.1	875.4	870.1	862.1	851.4	846.1	838.1	832.7	824.7	819.4
35°	950.2	952.8	950.2	944.8	931.5	920.8	915.5	910.1	904.8	894.1	883.4
37.5°	1035.6	1038.3	1040.9	1035.6	1019.6	1003.6	998.2	990.2	987.5	974.2	968.9
40°	1134.3	1139.7	1137.0	1129.0	1115.7	1099.6	1097.0	1089.0	1081.0	1073.0	1059.6
42.5°	1254.4	1254.4	1251.8	1246.4	1235.8	1217.1	1211.7	1203.7	1198.4	1182.4	1161.0
45°	1393.2	1395.9	1387.9	1379.9	1377.2	1361.2	1347.9	1339.9	1323.8	1305.2	1281.1
47.5°	1556.0	1553.4	1542.7	1534.7	1532.0	1518.7	1508.0	1492.0	1470.6	1449.3	1403.9
50°	1724.2	1724.2	1705.5	1697.5	1702.8	1684.2	1670.8	1652.1	1630.8	1609.4	1542.7
52.5°	1905.7	1897.7	1879.0	1881.7	1873.7	1855.0	1839.0	1825.6	1804.3	1785.6	1678.8
55°	2087.2	2076.5	2047.1	2049.8	2036.5	2015.1	2004.4	1988.4	1983.1	1961.7	1809.6
57.5°	2255.3	2242.0	2210.0	2207.3	2196.6	2172.6	2167.3	2148.6	2135.2	2124.6	1908.4
60°	2418.1	2404.8	2375.4	2364.8	2343.4	2319.4	2322.1	2311.4	2303.4	2292.7	2017.8
62.5°	2564.9	2548.9	2522.2	2500.9	2471.5	2450.2	2452.8	2447.5	2452.8	2450.2	2111.2
65°	2765.1	2749.1	2709.1	2671.7	2629.0	2597.0	2594.3	2602.3	2658.4	2663.7	2255.3
67.5°	2834.5	2818.5	2767.8	2722.4	2687.7	2663.7	2658.4	2655.7	2671.7	2709.1	2226.0
70°	2615.7	2605.0	2556.9	2524.9	2490.2	2474.2	2458.2	2466.2	2482.2	2479.5	2041.8
72.5°	2258.0	2316.7	2255.3	2226.0	2218.0	2175.3	2185.9	2177.9	2188.6	2185.9	1814.9
75°	1868.3	1852.3	1839.0	1889.7	1852.3	1820.3	1839.0	1857.6	1876.3	1855.0	1590.7
77.5°	1358.5	1369.2	1363.9	1382.6	1417.3	1401.2	1390.6	1435.9	1443.9	1371.9	1235.8
80°	683.3	726.0	739.3	771.4	790.0	755.3	726.0	790.0	779.4	696.6	627.2
82.5°	178.8	181.5	208.2	245.6	250.9	245.6	250.9	245.6	213.5	136.1	114.8
85°	149.5	149.5	184.2	224.2	232.2	221.5	221.5	208.2	165.5	85.4	69.4
87.5°	122.8	128.1	165.5	202.8	208.2	197.5	194.8	178.8	144.1	74.7	58.7
90°	109.4	114.8	149.5	181.5	184.2	173.5	170.8	160.1	130.8	74.7	58.7
92.5°	120.1	122.8	146.8	165.5	165.5	157.5	154.8	146.8	128.1	93.4	72.1
95°	106.8	109.4	120.1	128.1	125.4	117.4	122.8	114.8	106.8	88.1	66.7
97.5°	88.1	90.7	93.4	93.4	90.7	85.4	90.7	88.1	82.7	72.1	53.4
100°	66.7	66.7	66.7	69.4	66.7	64.1	66.7	61.4	58.7	50.7	37.4
102.5°	45.4	45.4	45.4	45.4	45.4	45.4	45.4	40.0	37.4	32.0	21.4
105°	26.7	26.7	24.0	26.7	26.7	24.0	24.0	21.4	16.0	13.3	8.0
107.5°	10.7	10.7	8.0	8.0	8.0	8.0	5.3	2.7	2.7	2.7	2.7
110°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
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	2.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7
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	2.7
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	2.7	2.7	0.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7	2.7
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	0.0	0.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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°	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0	758.0
2.5°	750.0	750.0	750.0	750.0	750.0	750.0	752.7	755.3	758.0	758.0
5°	736.7	736.7	736.7	734.0	736.7	739.3	742.0	742.0	744.7	744.7
7.5°	710.0	707.3	707.3	707.3	710.0	715.3	715.3	718.0	720.6	720.6
10°	675.3	675.3	675.3	675.3	677.9	683.3	683.3	688.6	688.6	688.6
12.5°	656.6	656.6	653.9	651.2	656.6	656.6	664.6	667.3	669.9	675.3
15°	645.9	643.2	645.9	645.9	648.6	651.2	653.9	659.3	661.9	664.6
17.5°	645.9	645.9	645.9	648.6	651.2	651.2	653.9	659.3	661.9	664.6
20°	656.6	656.6	653.9	653.9	656.6	656.6	661.9	667.3	669.9	672.6
22.5°	672.6	669.9	669.9	667.3	669.9	672.6	677.9	683.3	683.3	683.3
25°	693.9	691.3	691.3	691.3	696.6	696.6	702.0	707.3	707.3	707.3
27.5°	728.6	723.3	720.6	720.6	720.6	723.3	728.6	731.3	734.0	734.0
30°	758.0	752.7	750.0	747.3	750.0	752.7	758.0	763.3	763.3	763.3
32.5°	811.4	798.0	790.0	792.7	792.7	795.4	800.7	800.7	803.4	803.4
35°	872.8	859.4	846.1	848.8	848.8	851.4	851.4	851.4	856.8	851.4
37.5°	950.2	928.8	918.1	920.8	915.5	915.5	915.5	915.5	912.8	918.1
40°	1032.9	1000.9	990.2	992.9	990.2	987.5	987.5	990.2	987.5	990.2
42.5°	1019.6	886.1	918.1	955.5	982.2	1000.9	1022.2	1032.9	1032.9	1043.6
45°	891.5	525.8	563.2	613.9	656.6	702.0	723.3	739.3	750.0	771.4
47.5°	774.0	189.5	216.2	250.9	296.3	296.3	333.6	349.6	355.0	373.7
50°	752.7	29.4	24.0	26.7	29.4	32.0	34.7	42.7	42.7	53.4
52.5°	819.4	26.7	16.0	10.7	10.7	8.0	5.3	5.3	5.3	8.0
55°	894.1	29.4	16.0	10.7	8.0	8.0	2.7	2.7	2.7	2.7
57.5°	958.2	26.7	13.3	10.7	8.0	5.3	0.0	0.0	0.0	0.0
60°	1027.6	29.4	16.0	10.7	8.0	5.3	0.0	0.0	0.0	0.0
62.5°	1089.0	29.4	16.0	10.7	8.0	2.7	0.0	0.0	0.0	0.0
65°	1177.0	32.0	16.0	10.7	5.3	0.0	0.0	0.0	0.0	0.0
67.5°	1193.1	32.0	16.0	8.0	2.7	0.0	0.0	0.0	0.0	0.0
70°	1064.9	26.7	10.7	5.3	2.7	0.0	0.0	0.0	0.0	0.0
72.5°	915.5	16.0	8.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0
75°	736.7	13.3	5.3	2.7	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	493.8	10.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
80°	221.5	8.0	2.7	2.7	0.0	0.0	2.7	2.7	0.0	0.0
82.5°	48.0	5.3	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	32.0	5.3	2.7	2.7	0.0	0.0	2.7	2.7	0.0	0.0
87.5°	29.4	2.7	2.7	2.7	0.0	0.0	0.0	2.7	0.0	0.0
90°	29.4	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	34.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	32.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	24.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	16.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	8.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.7	2.7	2.7	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°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.7	2.7	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°	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	2.7	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°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	2.7	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°	2.7	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°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.7	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.7	2.7	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	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.7	2.7	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)