

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: P690896

Luminaire Tested: **CRTK2-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690896
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-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5596 lumens
Efficiency: N/A
Efficacy: 93.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 60
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



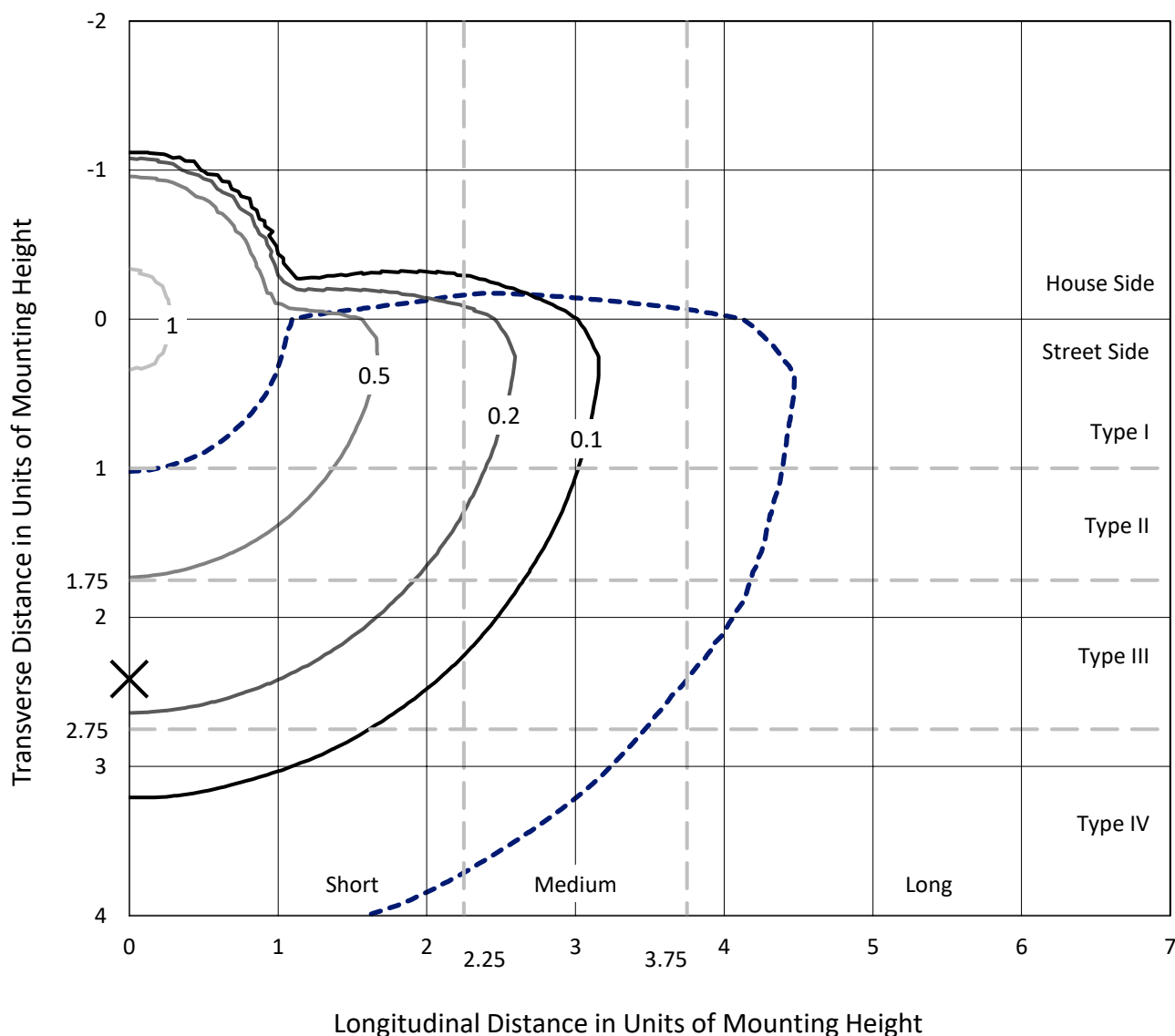
REPORT NUMBER: P690896

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



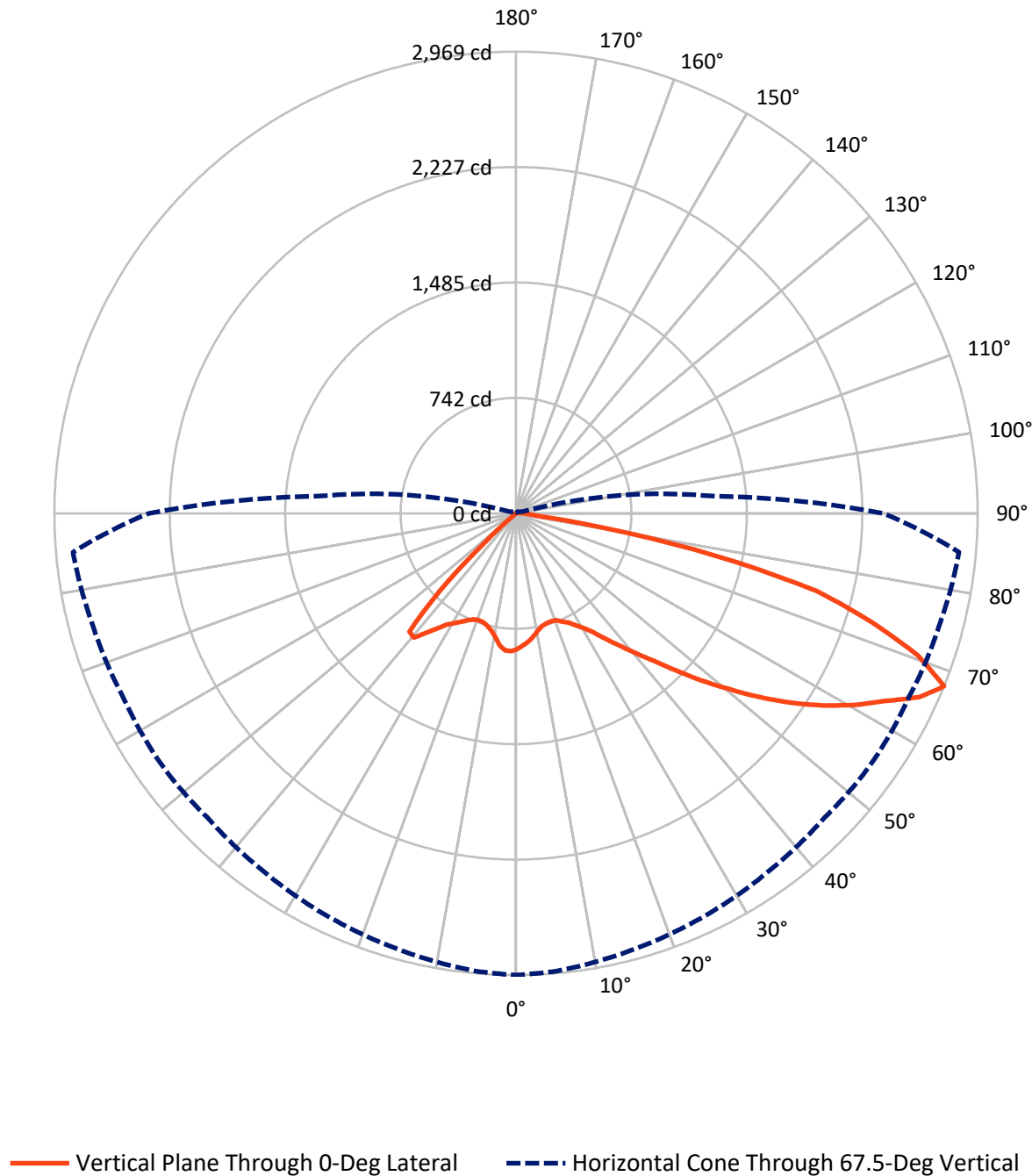
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

REPORT NUMBER: P690896

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P690896

CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

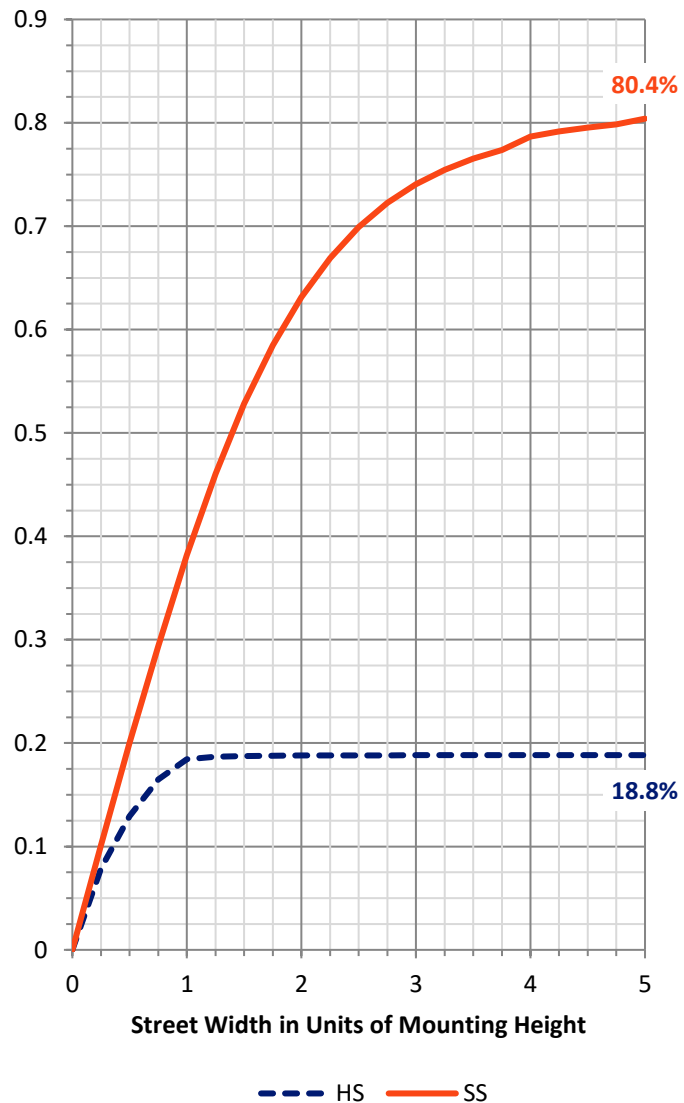
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1059.8	2.0	1061.8
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4521.5	12.7	4534.2
	% Fixture	80.8	0.2	81.0
Total	Lumens	5581.3	14.7	5596.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.4
10°-20°	205.4	3.7
20°-30°	352.3	6.3
30°-40°	595.7	10.6
40°-50°	794.8	14.2
50°-60°	1009.2	18.0
60°-70°	1413.2	25.3
70°-80°	1023.6	18.3
80°-90°	109.1	1.9
90°-100°	12.2	0.2
100°-110°	1.2	0.0
110°-120°	0.5	0.0
120°-130°	0.3	0.0
130°-140°	0.1	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°	5581.3	99.7
0°-180°	5596.0	100.0

Coefficient of Utilization



REPORT NUMBER: P690896

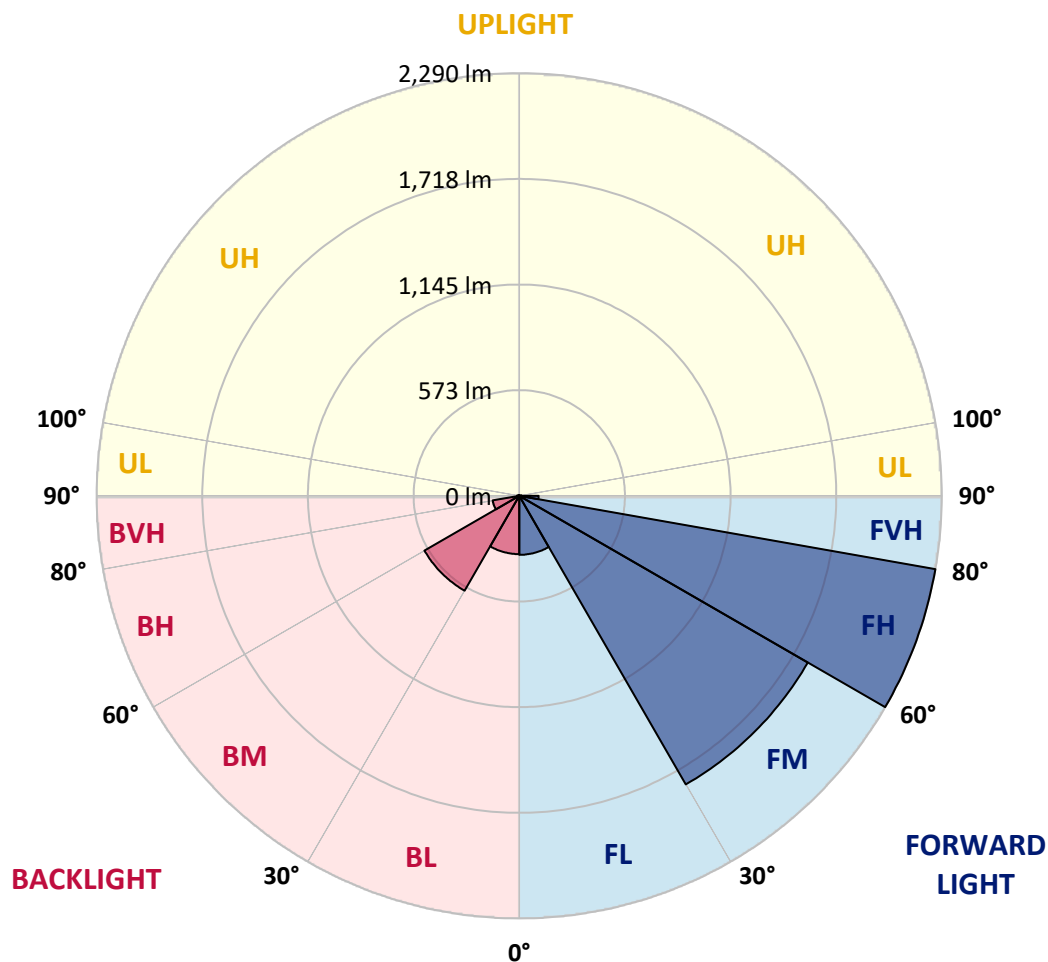
CATALOG NUMBER: CRTK2-C01-5TLD-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.8	5.7			
FM	(30°-60°)	1806.2	32.3			
FH	(60°-80°)	2290.5	40.9			G2/5000
FVH	(80°-90°)	105.0	1.9			G2/225
BL	(0°-30°)	315.9	5.6	B1/500		
BM	(30°-60°)	593.4	10.6	B1/1000		
BH	(60°-80°)	146.3	2.6	B1/500		G1/500
BVH	(80°-90°)	4.1	0.1			G0/10
UL	(90°-100°)	12.2	0.2		U2/50	
UH	(100°-180°)	2.5	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





REPORT NUMBER: P690896

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2
2.5°	850.8	853.6	853.6	853.6	856.4	853.6	853.6	853.6	853.6	856.4	856.4
5°	828.4	828.4	828.4	831.2	831.2	828.4	825.6	828.4	828.4	831.2	831.2
7.5°	800.4	800.4	800.4	803.2	800.4	794.8	789.2	792.0	789.2	792.0	794.8
10°	766.8	769.6	769.6	766.8	764.0	755.6	747.2	750.0	747.2	750.0	750.0
12.5°	744.4	747.2	747.2	744.4	736.0	730.4	724.8	719.2	716.5	722.0	719.2
15°	733.2	736.0	736.0	733.2	727.6	722.0	710.9	708.1	702.5	699.7	702.5
17.5°	730.4	730.4	730.4	727.6	722.0	713.7	708.1	702.5	699.7	699.7	696.9
20°	733.2	738.8	736.0	733.2	727.6	722.0	713.7	705.3	705.3	705.3	702.5
22.5°	755.6	755.6	752.8	752.8	747.2	738.8	730.4	724.8	719.2	719.2	719.2
25°	778.0	780.8	780.8	778.0	769.6	758.4	755.6	747.2	744.4	741.6	738.8
27.5°	814.4	811.6	814.4	814.4	803.2	797.6	789.2	783.6	780.8	775.2	772.4
30°	856.4	856.4	856.4	856.4	848.0	836.8	831.2	822.8	814.4	814.4	808.8
32.5°	912.4	915.2	915.2	912.4	904.0	892.8	887.2	876.0	873.2	867.6	862.0
35°	990.7	990.7	990.7	985.1	973.9	965.5	959.9	951.5	948.7	940.3	926.3
37.5°	1077.5	1077.5	1083.1	1077.5	1066.3	1055.1	1046.7	1041.1	1032.7	1027.1	1018.7
40°	1178.2	1178.2	1181.0	1172.6	1161.4	1155.8	1147.4	1136.2	1130.6	1127.8	1111.1
42.5°	1295.8	1301.4	1301.4	1293.0	1284.6	1276.2	1265.0	1256.6	1251.0	1239.8	1217.4
45°	1438.5	1435.7	1441.3	1432.9	1427.3	1424.5	1407.7	1388.1	1390.9	1365.7	1340.5
47.5°	1606.4	1609.2	1606.4	1598.0	1592.4	1589.6	1572.8	1547.6	1536.4	1516.9	1469.3
50°	1777.1	1779.9	1777.1	1771.5	1777.1	1760.3	1740.7	1718.4	1715.6	1690.4	1617.6
52.5°	1964.6	1956.2	1953.4	1950.6	1945.1	1936.7	1917.1	1891.9	1894.7	1866.7	1751.9
55°	2152.1	2143.8	2129.8	2124.2	2118.6	2104.6	2087.8	2079.4	2076.6	2048.6	1894.7
57.5°	2331.3	2317.3	2297.7	2294.9	2286.5	2266.9	2258.5	2244.5	2244.5	2213.7	1998.2
60°	2502.0	2485.2	2462.8	2451.6	2437.6	2420.8	2418.0	2409.6	2412.4	2395.6	2110.2
62.5°	2658.7	2644.7	2616.7	2599.9	2577.5	2563.5	2566.3	2560.7	2571.9	2560.7	2208.1
65°	2849.0	2832.2	2798.6	2762.3	2731.5	2709.1	2700.7	2717.5	2765.0	2776.2	2339.7
67.5°	2969.4	2955.4	2905.0	2860.2	2818.2	2787.4	2795.8	2790.2	2815.4	2860.2	2362.0
70°	2742.7	2737.1	2686.7	2658.7	2627.9	2597.1	2599.9	2591.5	2611.1	2622.3	2166.1
72.5°	2392.8	2420.8	2356.4	2353.7	2334.1	2336.9	2306.1	2328.5	2314.5	2314.5	1917.1
75°	2001.0	1942.3	1922.7	1970.2	1942.3	1945.1	1939.5	1964.6	1961.8	1964.6	1668.0
77.5°	1312.6	1323.8	1298.6	1348.9	1374.1	1416.1	1435.7	1502.9	1477.7	1472.1	1321.0
80°	587.7	601.7	604.5	652.1	682.9	724.8	710.9	758.4	727.6	677.3	646.5
82.5°	131.5	131.5	148.3	190.3	201.5	209.9	209.9	218.3	173.5	106.3	86.8
85°	89.6	86.8	117.5	159.5	167.9	162.3	156.7	145.5	100.8	30.8	25.2
87.5°	58.8	61.6	95.2	131.5	137.1	128.7	120.3	109.1	72.8	8.4	5.6
90°	39.2	44.8	72.8	100.8	100.8	95.2	86.8	72.8	44.8	2.8	2.8
92.5°	19.6	22.4	36.4	44.8	42.0	36.4	33.6	28.0	16.8	2.8	2.8
95°	11.2	11.2	16.8	16.8	16.8	14.0	14.0	11.2	5.6	2.8	2.8
97.5°	8.4	8.4	11.2	11.2	8.4	8.4	8.4	5.6	2.8	2.8	2.8
100°	5.6	5.6	5.6	5.6	5.6	5.6	5.6	2.8	2.8	2.8	2.8
102.5°	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8	2.8
105°	0.0	0.0	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8
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	2.8
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	2.8
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	2.8	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	2.8
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8
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	2.8	0.0	2.8	2.8
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.8	2.8	0.0	2.8	2.8
175°	0.0	0.0	0.0	0.0	0.0	2.8	2.8	2.8	2.8	2.8	2.8
177.5°	0.0	0.0	0.0	0.0	0.0	2.8	0.0	2.8	2.8	2.8	2.8
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°	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2	873.2
2.5°	859.2	862.0	864.8	870.4	870.4	878.8	881.6	884.4	887.2	887.2
5°	836.8	839.6	848.0	853.6	862.0	867.6	876.0	878.8	881.6	884.4
7.5°	794.8	800.4	808.8	811.6	822.8	831.2	839.6	848.0	850.8	856.4
10°	752.8	755.6	758.4	766.8	772.4	783.6	794.8	800.4	806.0	806.0
12.5°	722.0	724.8	727.6	730.4	738.8	744.4	755.6	761.2	764.0	769.6
15°	702.5	702.5	708.1	708.1	713.7	722.0	727.6	736.0	738.8	744.4
17.5°	696.9	696.9	699.7	702.5	708.1	710.9	716.5	724.8	727.6	730.4
20°	699.7	702.5	702.5	705.3	710.9	713.7	719.2	722.0	724.8	727.6
22.5°	713.7	710.9	713.7	713.7	716.5	722.0	727.6	733.2	736.0	736.0
25°	733.2	730.4	730.4	736.0	738.8	741.6	750.0	752.8	755.6	755.6
27.5°	766.8	764.0	766.8	766.8	769.6	769.6	778.0	778.0	780.8	783.6
30°	800.4	792.0	792.0	792.0	794.8	800.4	803.2	808.8	811.6	811.6
32.5°	850.8	834.0	831.2	834.0	834.0	836.8	845.2	842.4	848.0	845.2
35°	915.2	898.4	892.8	892.8	892.8	892.8	901.2	895.6	901.2	898.4
37.5°	993.5	971.1	968.3	968.3	962.7	965.5	968.3	962.7	959.9	962.7
40°	1077.5	1038.3	1035.5	1038.3	1038.3	1038.3	1038.3	1035.5	1032.7	1035.5
42.5°	1038.3	881.6	901.2	929.1	957.1	990.7	999.1	1021.5	1024.3	1024.3
45°	906.8	509.4	537.3	579.3	596.1	607.3	638.1	685.7	699.7	702.5
47.5°	800.4	170.7	181.9	198.7	226.7	240.7	243.5	277.1	291.1	263.1
50°	792.0	39.2	28.0	28.0	30.8	25.2	25.2	28.0	28.0	28.0
52.5°	864.8	36.4	25.2	22.4	22.4	22.4	19.6	22.4	22.4	22.4
55°	940.3	36.4	25.2	22.4	22.4	22.4	19.6	19.6	19.6	19.6
57.5°	1001.9	36.4	25.2	22.4	22.4	19.6	16.8	16.8	16.8	16.8
60°	1074.7	36.4	25.2	22.4	22.4	16.8	14.0	14.0	14.0	14.0
62.5°	1136.2	39.2	25.2	22.4	19.6	14.0	14.0	14.0	14.0	14.0
65°	1225.8	39.2	25.2	19.6	14.0	11.2	11.2	11.2	11.2	11.2
67.5°	1267.8	39.2	22.4	16.8	11.2	8.4	8.4	8.4	8.4	8.4
70°	1141.8	30.8	16.8	11.2	8.4	8.4	8.4	8.4	8.4	8.4
72.5°	976.7	22.4	11.2	8.4	5.6	5.6	5.6	5.6	5.6	2.8
75°	778.0	14.0	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
77.5°	545.7	11.2	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0
80°	226.7	8.4	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	33.6	5.6	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
85°	11.2	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.8	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.8	2.8	2.8	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°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.8	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.8	2.8	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°	2.8	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	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.8	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°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.8	2.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.8	2.8	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)