

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: P691888

Luminaire Tested: **CRTK2-C01H-D-U-T3-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691888
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-D-U-T3-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9134.1 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

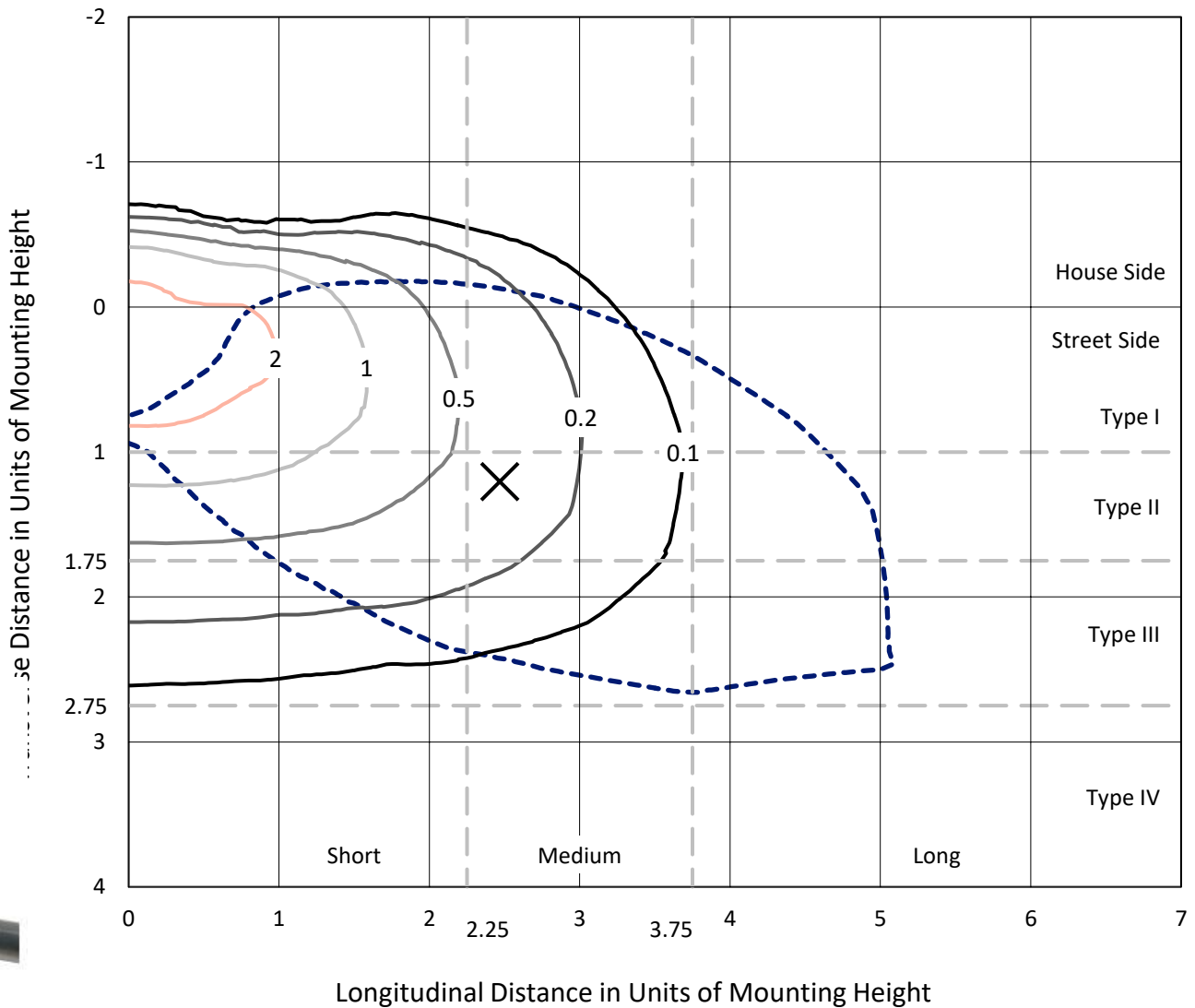
Input Watts (W): 70.2
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

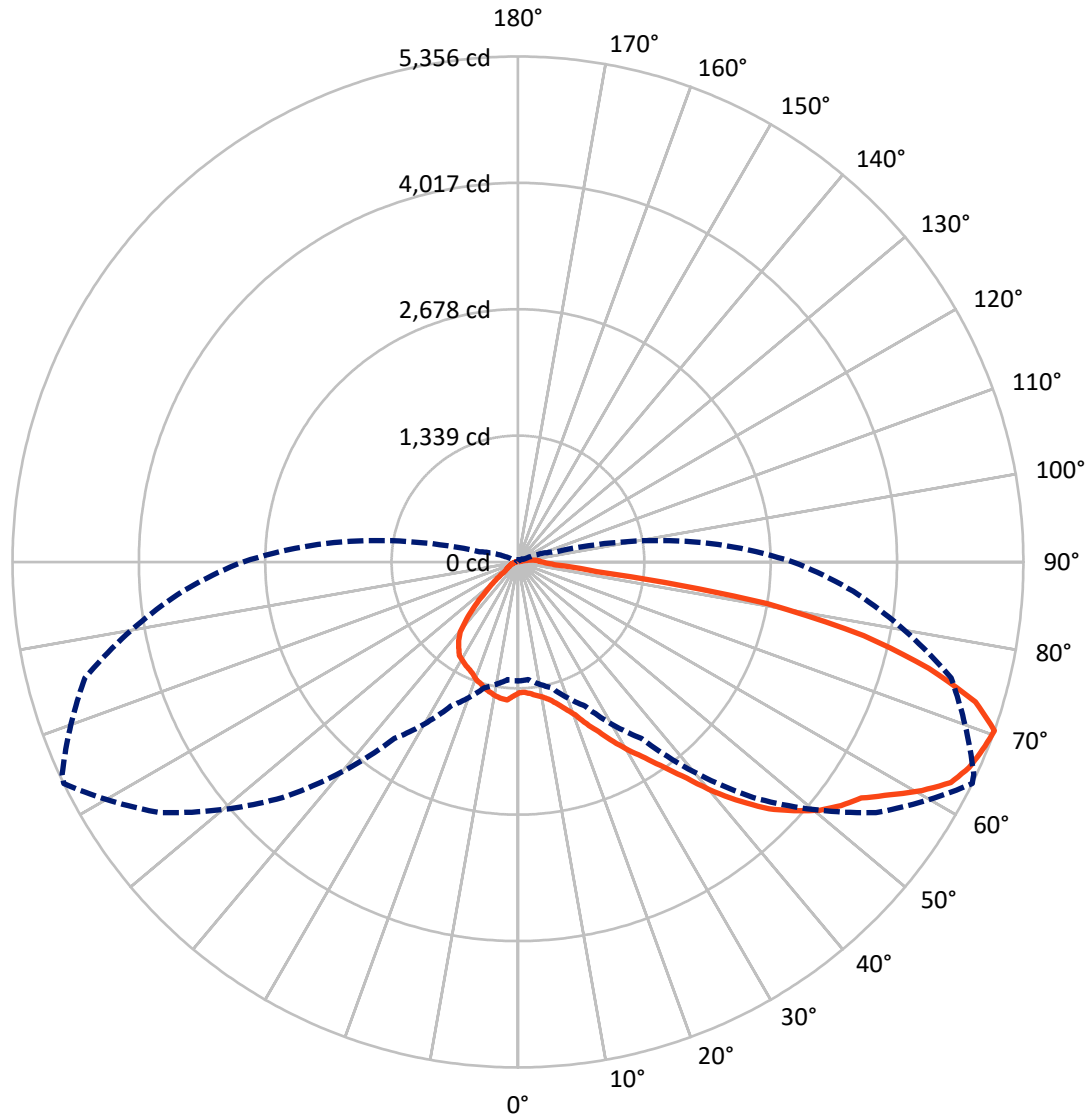
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 64-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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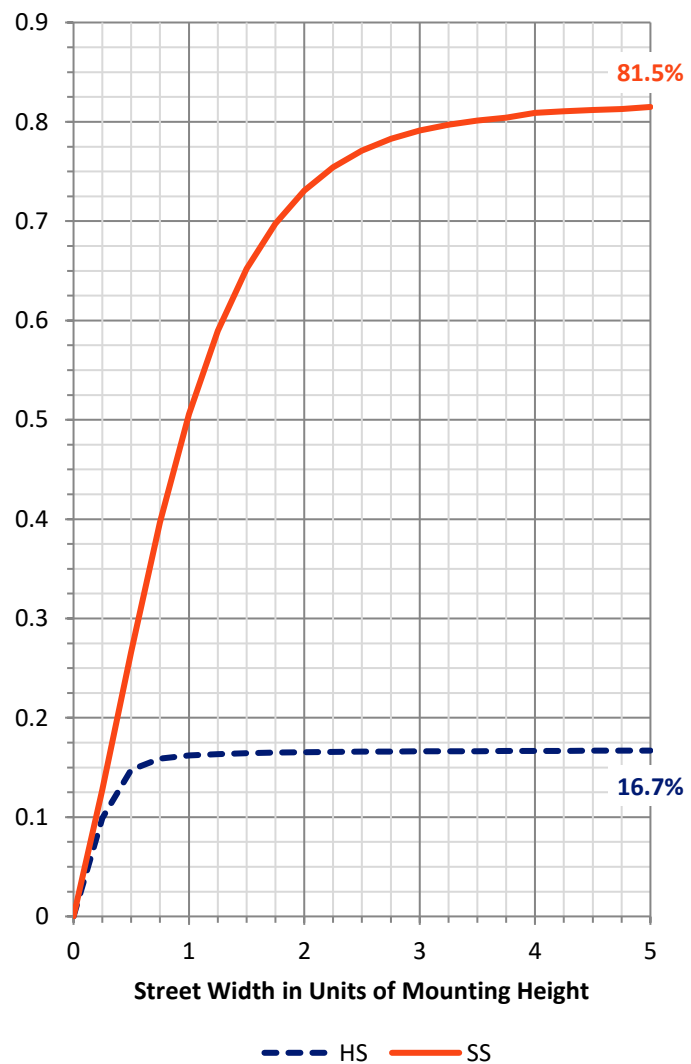
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1549.1	18.9	1568.0
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	7489.1	77.0	7566.1
	% Fixture	82.0	0.8	82.8
Total	Lumens	9038.1	95.9	9134.1
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	137.3	1.5
10°-20°	421.0	4.6
20°-30°	727.7	8.0
30°-40°	1079.9	11.8
40°-50°	1483.3	16.2
50°-60°	1801.4	19.7
60°-70°	1913.8	21.0
70°-80°	1264.4	13.8
80°-90°	209.4	2.3
90°-100°	78.0	0.9
100°-110°	13.2	0.1
110°-120°	1.0	0.0
120°-130°	1.0	0.0
130°-140°	1.0	0.0
140°-150°	0.8	0.0
150°-160°	0.5	0.0
160°-170°	0.3	0.0
170°-180°	0.1	0.0
0°-90°	9038.1	99.0
0°-180°	9134.1	100.0

Coefficient of Utilization



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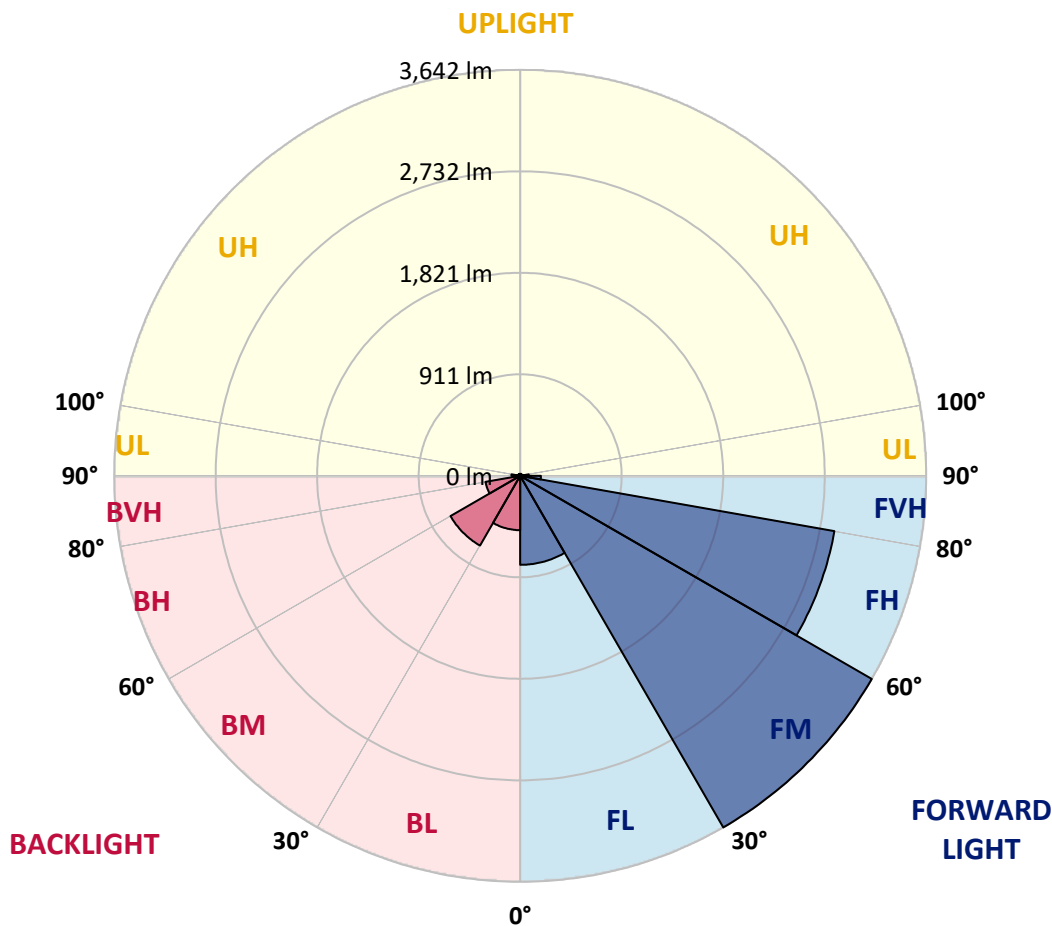
CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	798.4	8.7			
FM (30°-60°)	3642.5	39.9			
FH (60°-80°)	2862.3	31.3			G2/5000
FVH (80°-90°)	185.8	2.0			G2/225
BL (0°-30°)	487.6	5.3	B1/500		
BM (30°-60°)	722.1	7.9	B1/1000		
BH (60°-80°)	315.9	3.5	B1/500		G1/500
BVH (80°-90°)	23.5	0.3			G1/100
UL (90°-100°)	78.0	0.9		U3/500	
UH (100°-180°)	17.9	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6
2.5°	1395.4	1392.1	1395.4	1392.1	1388.8	1385.6	1382.3	1382.3	1379.0	1382.3	1385.6
5°	1457.5	1460.7	1454.2	1441.1	1424.8	1411.7	1405.2	1401.9	1401.9	1405.2	1418.3
7.5°	1503.2	1500.0	1496.7	1493.4	1480.3	1450.9	1434.6	1428.1	1428.1	1421.5	1444.4
10°	1584.9	1578.4	1562.0	1542.4	1529.4	1496.7	1467.3	1457.5	1454.2	1457.5	1477.1
12.5°	1673.2	1666.6	1663.4	1643.7	1598.0	1568.6	1519.6	1496.7	1496.7	1496.7	1506.5
15°	1800.6	1790.8	1758.1	1735.2	1696.0	1647.0	1591.5	1558.8	1558.8	1565.3	1539.2
17.5°	1892.1	1885.6	1882.3	1843.1	1810.4	1735.2	1692.8	1637.2	1637.2	1650.3	1594.7
20°	1986.9	1980.3	1983.6	1977.1	1928.0	1869.2	1794.1	1728.7	1728.7	1732.0	1653.5
22.5°	2114.3	2104.5	2104.5	2101.2	2075.1	2006.5	1918.2	1862.7	1852.9	1826.7	1728.7
25°	2241.8	2238.5	2232.0	2235.2	2228.7	2150.3	2055.5	1993.4	1993.4	1957.5	1830.0
27.5°	2369.2	2369.2	2365.9	2369.2	2365.9	2316.9	2222.2	2156.8	2160.1	2114.3	1941.1
30°	2460.7	2457.4	2480.3	2490.1	2496.7	2477.1	2385.6	2313.7	2320.2	2274.4	2071.8
32.5°	2545.7	2542.4	2581.6	2604.5	2611.0	2607.8	2532.6	2473.8	2490.1	2447.6	2228.7
35°	2624.1	2620.8	2673.1	2731.9	2758.1	2751.6	2702.5	2669.9	2686.2	2682.9	2441.1
37.5°	2682.9	2692.7	2761.4	2843.1	2888.8	2892.1	2869.2	2905.1	2924.8	2990.1	2705.8
40°	2751.6	2751.6	2816.9	2905.1	2986.8	3019.5	3039.1	3202.5	3222.1	3235.2	2882.3
42.5°	2679.7	2699.3	2839.8	2970.5	3075.1	3150.2	3258.1	3470.5	3513.0	3414.9	3097.9
45°	2624.1	2640.4	2784.2	3003.2	3153.5	3294.0	3496.6	3731.9	3764.6	3594.7	3212.3
47.5°	2565.3	2591.4	2738.5	2980.3	3228.7	3470.5	3696.0	3937.8	3967.2	3748.3	3372.5
50°	2496.7	2526.1	2682.9	2947.6	3267.9	3637.1	3875.7	4137.1	4140.4	3882.2	3460.7
52.5°	2431.3	2450.9	2614.3	2905.1	3300.6	3764.6	4045.6	4287.5	4267.8	4052.2	3555.5
55°	2320.2	2359.4	2532.6	2846.3	3316.9	3836.5	4163.3	4414.9	4428.0	4235.2	3682.9
57.5°	2218.9	2245.0	2428.0	2761.4	3303.8	3879.0	4277.7	4653.5	4679.6	4398.6	3774.4
60°	2091.4	2107.8	2284.2	2643.7	3218.9	3950.9	4532.5	4918.2	4947.6	4555.4	3810.3
62.5°	1931.3	1931.3	2107.8	2486.9	3111.0	4003.2	4709.0	5146.9	5146.9	4679.6	3823.4
65°	1725.4	1735.2	1892.1	2274.4	2931.3	3973.7	4761.3	5254.7	5264.6	4767.8	3816.9
67.5°	1526.1	1522.8	1660.1	1996.7	2660.1	3820.2	4722.1	5310.3	5349.5	4820.1	3731.9
70°	1261.4	1251.6	1379.0	1683.0	2281.0	3529.3	4630.6	5356.1	5329.9	4751.5	3565.3
72.5°	970.6	960.8	1055.5	1287.5	1797.3	3029.3	4362.6	5068.5	5022.7	4379.0	3222.1
75°	689.5	676.5	751.6	905.2	1183.0	2215.6	3741.7	4496.6	4444.3	3937.8	2689.5
77.5°	392.1	379.1	447.7	571.9	715.7	1254.9	2833.3	3748.3	3820.2	3248.3	2055.5
80°	173.2	166.7	196.1	274.5	401.9	598.0	1542.4	2679.7	2581.6	2215.6	1169.9
82.5°	147.1	147.1	150.3	156.9	163.4	274.5	578.4	843.1	807.2	650.3	372.5
85°	127.4	124.2	130.7	137.3	140.5	179.7	336.6	405.2	398.7	359.5	258.2
87.5°	104.6	98.0	107.8	114.4	114.4	147.1	251.6	297.4	297.4	300.6	228.8
90°	91.5	91.5	85.0	85.0	88.2	104.6	192.8	245.1	251.6	310.4	264.7
92.5°	78.4	78.4	78.4	78.4	65.4	75.2	137.3	218.9	235.3	303.9	238.6
95°	75.2	71.9	75.2	68.6	65.4	68.6	104.6	192.8	212.4	268.0	209.1
97.5°	52.3	49.0	55.6	55.6	58.8	62.1	88.2	143.8	150.3	199.3	156.9
100°	35.9	32.7	32.7	32.7	42.5	42.5	71.9	88.2	91.5	127.4	104.6
102.5°	19.6	16.3	16.3	16.3	22.9	26.1	35.9	49.0	49.0	68.6	58.8
105°	6.5	6.5	9.8	9.8	9.8	13.1	13.1	16.3	16.3	19.6	26.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3



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 CATALOG NUMBER: CRTK2-C01H-D-U-T3-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6	1385.6
2.5°	1388.8	1395.4	1411.7	1421.5	1434.6	1447.7	1457.5	1457.5	1467.3	1460.7	1457.5
5°	1431.3	1434.6	1454.2	1467.3	1464.0	1450.9	1441.1	1434.6	1437.9	1444.4	1444.4
7.5°	1460.7	1473.8	1457.5	1457.5	1454.2	1437.9	1418.3	1398.7	1388.8	1385.6	1385.6
10°	1477.1	1464.0	1457.5	1441.1	1405.2	1395.4	1379.0	1343.1	1333.3	1333.3	1320.2
12.5°	1486.9	1480.3	1444.4	1415.0	1382.3	1330.0	1294.1	1287.5	1258.1	1254.9	1258.1
15°	1526.1	1493.4	1447.7	1392.1	1330.0	1284.3	1235.3	1183.0	1160.1	1163.4	1166.6
17.5°	1552.2	1522.8	1441.1	1352.9	1297.3	1212.4	1156.8	1127.4	1091.5	1091.5	1091.5
20°	1594.7	1545.7	1431.3	1336.6	1205.8	1143.8	1078.4	1045.7	1009.8	947.7	941.1
22.5°	1650.3	1588.2	1428.1	1287.5	1169.9	1068.6	973.8	872.5	820.2	784.3	774.5
25°	1718.9	1647.0	1450.9	1264.7	1101.3	977.1	856.2	718.9	620.9	601.3	601.3
27.5°	1836.5	1722.2	1480.3	1241.8	1062.1	875.8	686.3	565.3	480.4	454.2	451.0
30°	1950.9	1816.9	1490.2	1218.9	986.9	738.5	529.4	401.9	326.8	294.1	287.6
32.5°	2130.7	1947.7	1575.1	1199.3	901.9	594.8	375.8	254.9	192.8	173.2	169.9
35°	2313.7	2124.1	1604.5	1147.0	748.3	434.6	215.7	137.3	104.6	88.2	85.0
37.5°	2548.9	2346.3	1692.8	1091.5	594.8	248.4	120.9	75.2	65.4	65.4	65.4
40°	2686.2	2444.4	1771.2	1019.6	408.5	127.4	71.9	58.8	58.8	55.6	55.6
42.5°	2862.7	2565.3	1839.8	879.1	215.7	78.4	62.1	55.6	49.0	49.0	49.0
45°	2964.0	2643.7	1816.9	705.9	101.3	71.9	58.8	49.0	45.8	45.8	45.8
47.5°	3088.1	2741.8	1767.9	522.9	88.2	65.4	55.6	45.8	42.5	45.8	45.8
50°	3212.3	2839.8	1643.7	401.9	81.7	62.1	49.0	39.2	39.2	42.5	42.5
52.5°	3274.4	2908.4	1496.7	277.8	81.7	58.8	45.8	39.2	35.9	35.9	35.9
55°	3346.3	2924.8	1372.5	183.0	78.4	55.6	42.5	32.7	32.7	29.4	29.4
57.5°	3385.5	2882.3	1281.0	153.6	75.2	52.3	39.2	29.4	26.1	22.9	22.9
60°	3369.2	2820.2	1202.6	134.0	68.6	49.0	35.9	26.1	19.6	16.3	16.3
62.5°	3336.5	2767.9	1058.8	117.6	65.4	42.5	29.4	22.9	16.3	13.1	13.1
65°	3300.6	2627.4	892.1	101.3	58.8	39.2	26.1	19.6	13.1	9.8	9.8
67.5°	3133.9	2441.1	653.6	91.5	55.6	35.9	22.9	16.3	13.1	9.8	9.8
70°	2914.9	2130.7	421.6	78.4	49.0	32.7	22.9	13.1	9.8	6.5	6.5
72.5°	2480.3	1738.5	212.4	68.6	45.8	32.7	19.6	13.1	9.8	6.5	3.3
75°	2026.1	1297.3	137.3	58.8	42.5	32.7	19.6	13.1	6.5	3.3	3.3
77.5°	1450.9	702.6	104.6	52.3	35.9	32.7	16.3	9.8	6.5	6.5	3.3
80°	604.6	254.9	85.0	42.5	32.7	29.4	16.3	9.8	6.5	6.5	3.3
82.5°	254.9	176.5	75.2	35.9	29.4	29.4	13.1	9.8	6.5	6.5	6.5
85°	199.3	147.1	65.4	32.7	26.1	32.7	13.1	9.8	9.8	9.8	9.8
87.5°	186.3	150.3	58.8	29.4	26.1	22.9	13.1	9.8	16.3	16.3	19.6
90°	209.1	156.9	45.8	26.1	22.9	19.6	9.8	6.5	6.5	0.0	0.0
92.5°	192.8	143.8	32.7	19.6	29.4	13.1	6.5	0.0	0.0	0.0	0.0
95°	166.7	120.9	19.6	13.1	32.7	16.3	3.3	0.0	0.0	0.0	0.0
97.5°	124.2	88.2	13.1	6.5	26.1	19.6	3.3	0.0	0.0	0.0	0.0
100°	88.2	55.6	9.8	6.5	16.3	19.6	3.3	0.0	0.0	0.0	0.0
102.5°	49.0	29.4	6.5	3.3	6.5	6.5	0.0	0.0	0.0	0.0	0.0
105°	22.9	9.8	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
120°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
130°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
135°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
137.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
140°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
142.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
145°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
147.5°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
150°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
155°	3.3	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0
157.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	3.3	3.3	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

(END OF REPORT)