

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: P691672

Luminaire Tested: **CRTK2-C018-D-U-T2-7050-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691672
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-2)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7050-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6255 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

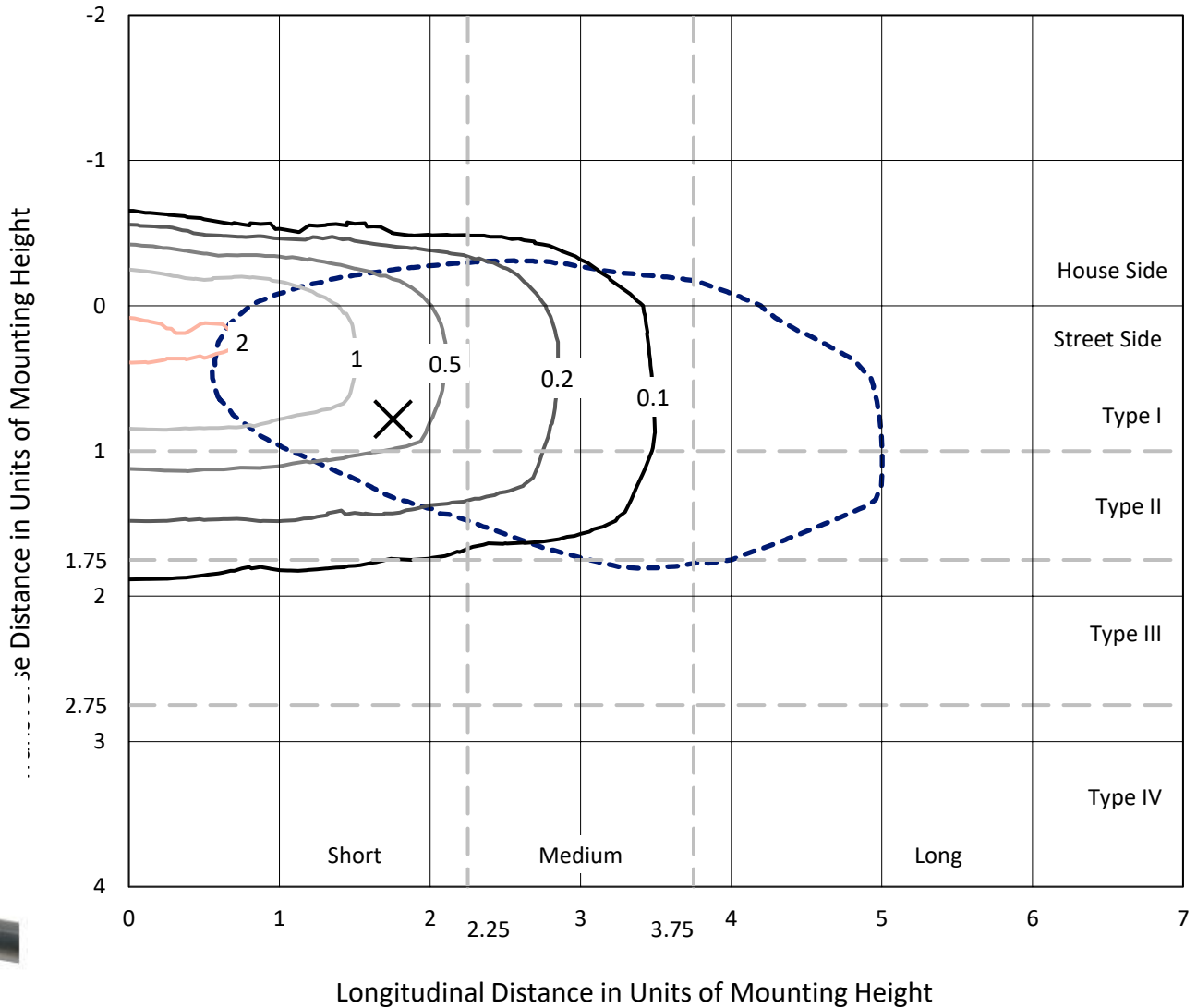
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

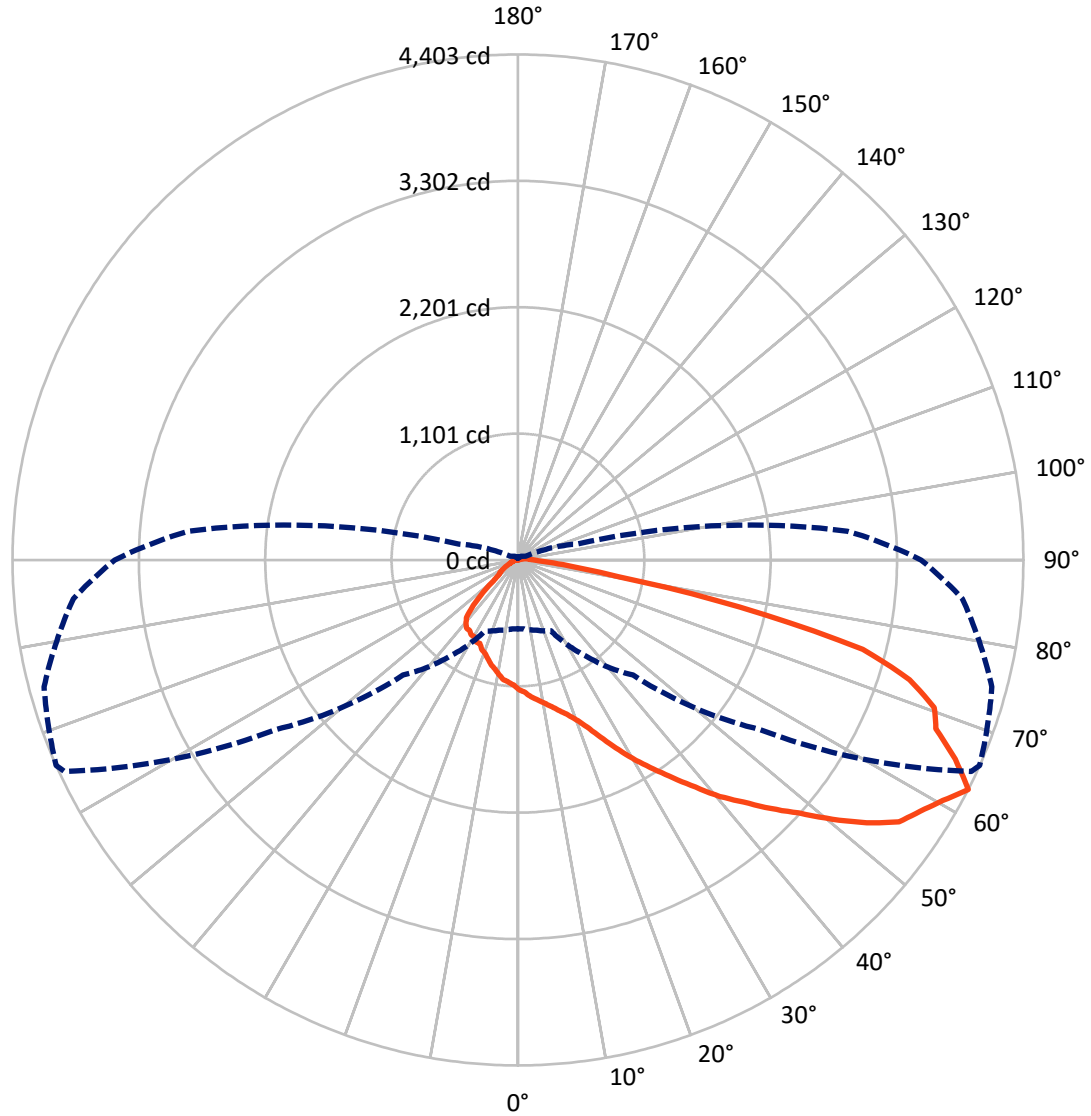
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 66-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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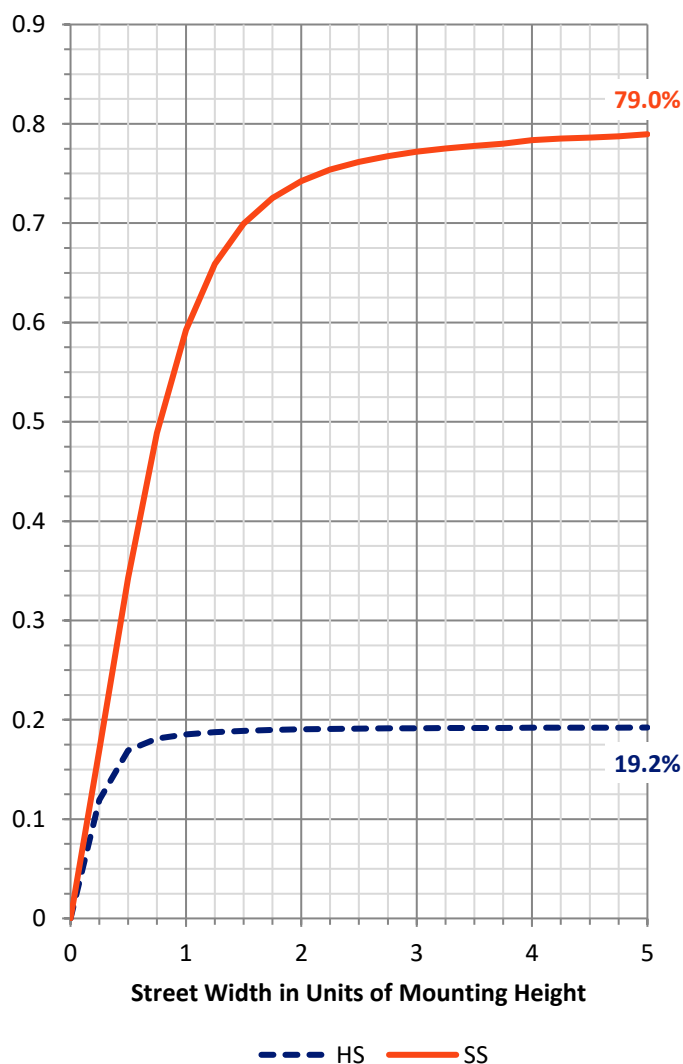
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1219.5	17.2	1236.7
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4970.6	47.7	5018.3
	% Fixture	79.5	0.8	80.2
Total	Lumens	6190.1	64.9	6255.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.3	1.7
10°-20°	314.7	5.0
20°-30°	529.6	8.5
30°-40°	787.5	12.6
40°-50°	1042.0	16.7
50°-60°	1213.2	19.4
60°-70°	1211.2	19.4
70°-80°	812.8	13.0
80°-90°	171.7	2.7
90°-100°	52.3	0.8
100°-110°	9.1	0.1
110°-120°	0.7	0.0
120°-130°	0.8	0.0
130°-140°	0.7	0.0
140°-150°	0.6	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	6190.1	99.0
0°-180°	6255.0	100.0

Coefficient of Utilization



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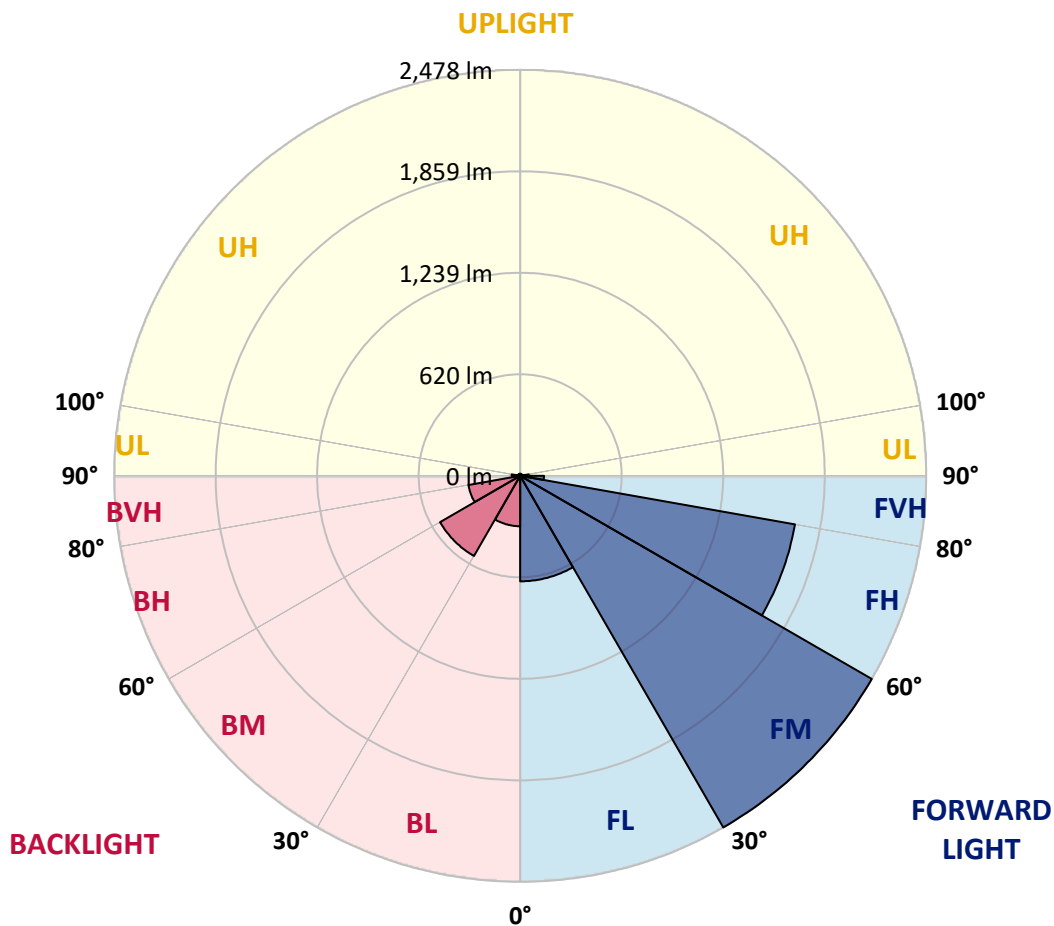
CATALOG NUMBER: CRTK2-C018-D-U-T2-7050-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	644.0	10.3			
FM (30°-60°)	2478.0	39.6			
FH (60°-80°)	1703.3	27.2			G1/1800
FVH (80°-90°)	145.3	2.3			G2/225
BL (0°-30°)	307.7	4.9	B1/500		
BM (30°-60°)	564.7	9.0	B1/1000		
BH (60°-80°)	320.7	5.1	B1/500		G1/500
BVH (80°-90°)	26.4	0.4			G1/100
UL (90°-100°)	52.3	0.8		U3/500	
UH (100°-180°)	12.6	0.2		U2/50	

BUG Rating: B1-U3-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1
2.5°	1206.4	1199.4	1201.7	1190.2	1178.6	1171.7	1164.8	1153.2	1153.2	1144.0	1132.4
5°	1291.9	1294.2	1291.9	1278.0	1264.1	1243.3	1217.9	1197.1	1197.1	1176.3	1148.6
7.5°	1349.6	1347.3	1347.3	1331.1	1321.9	1310.3	1280.3	1234.1	1231.8	1204.0	1169.4
10°	1372.7	1375.1	1384.3	1361.2	1351.9	1335.8	1319.6	1273.4	1268.7	1222.5	1167.1
12.5°	1423.6	1425.9	1421.3	1402.8	1391.2	1379.7	1354.3	1315.0	1310.3	1259.5	1183.2
15°	1483.7	1483.7	1476.7	1458.3	1451.3	1435.1	1405.1	1368.1	1363.5	1305.7	1213.3
17.5°	1516.0	1520.6	1520.6	1495.2	1497.5	1490.6	1474.4	1425.9	1419.0	1365.8	1254.9
20°	1532.2	1534.5	1539.1	1539.1	1536.8	1534.5	1543.8	1499.8	1495.2	1432.8	1303.4
22.5°	1578.4	1583.0	1594.6	1587.7	1594.6	1603.8	1606.2	1603.8	1596.9	1529.9	1384.3
25°	1599.2	1613.1	1629.3	1650.1	1670.9	1684.7	1717.1	1733.3	1728.6	1663.9	1511.4
27.5°	1576.1	1590.0	1647.8	1687.0	1751.8	1791.0	1851.1	1876.5	1874.2	1821.1	1643.1
30°	1615.4	1620.0	1645.4	1700.9	1784.1	1892.7	1975.9	2015.2	2024.5	1975.9	1781.8
32.5°	1557.6	1573.8	1645.4	1749.4	1874.2	1989.8	2070.7	2158.5	2170.0	2149.2	1964.4
35°	1553.0	1564.6	1603.8	1717.1	1876.5	2091.5	2202.4	2322.6	2331.8	2338.7	2149.2
37.5°	1488.3	1504.5	1583.0	1726.3	1945.9	2158.5	2313.3	2486.7	2509.8	2537.5	2304.1
40°	1416.7	1428.2	1495.2	1647.8	1929.7	2237.1	2419.6	2685.4	2708.5	2743.2	2509.8
42.5°	1310.3	1335.8	1449.0	1613.1	1920.5	2260.2	2525.9	2861.0	2881.8	2930.4	2683.1
45°	1215.6	1227.1	1315.0	1495.2	1846.5	2301.8	2616.1	3066.7	3087.5	3110.6	2819.4
47.5°	1141.6	1155.5	1238.7	1400.5	1772.5	2292.5	2699.3	3270.1	3293.2	3346.4	2988.1
50°	905.9	940.6	1150.9	1308.0	1650.1	2274.0	2770.9	3496.6	3549.7	3570.5	3163.8
52.5°	778.8	790.4	899.0	1224.8	1529.9	2207.0	2833.3	3743.8	3803.9	3764.6	3399.5
55°	725.7	732.6	785.7	1060.8	1421.3	2070.7	2884.1	3981.9	4025.8	3901.0	3572.8
57.5°	686.4	697.9	721.0	859.7	1294.2	1841.9	2886.5	4113.6	4129.8	4014.2	3656.0
60°	635.5	640.2	688.7	748.8	1150.9	1603.8	2807.9	4180.6	4252.3	4146.0	3824.7
62.5°	598.6	603.2	633.2	681.7	1014.5	1416.7	2576.8	4358.6	4402.5	4273.1	3887.1
65°	552.3	559.3	584.7	633.2	919.8	1303.4	2461.2	4312.4	4185.3	4243.0	3958.8
67.5°	503.8	508.4	536.2	573.1	783.4	1194.8	2174.7	4018.9	3926.4	4092.8	3767.0
70°	453.0	457.6	483.0	508.4	644.8	1060.8	1811.8	3769.3	3847.8	3857.1	3586.7
72.5°	399.8	404.4	427.5	448.3	533.8	892.1	1439.8	3519.7	3568.2	3427.2	3168.4
75°	346.7	349.0	367.5	388.3	443.7	718.7	1030.7	2918.8	3103.7	3274.7	2733.9
77.5°	279.6	284.3	302.7	309.7	355.9	580.1	667.9	1735.6	1978.2	2865.7	2454.3
80°	205.7	208.0	226.5	224.2	265.8	422.9	420.6	825.0	887.4	1770.2	1802.6
82.5°	136.3	141.0	157.1	152.5	180.3	256.5	263.5	443.7	473.8	686.4	790.4
85°	108.6	110.9	120.2	110.9	120.2	129.4	145.6	268.1	272.7	406.7	404.4
87.5°	87.8	90.1	99.4	92.4	94.8	99.4	115.6	171.0	175.6	256.5	265.8
90°	69.3	71.6	83.2	76.3	76.3	83.2	97.1	127.1	134.0	201.1	217.2
92.5°	46.2	46.2	53.2	50.8	50.8	60.1	85.5	94.8	101.7	187.2	196.4
95°	34.7	34.7	37.0	37.0	37.0	43.9	64.7	90.1	99.4	182.6	177.9
97.5°	23.1	23.1	25.4	25.4	25.4	27.7	37.0	74.0	83.2	147.9	145.6
100°	16.2	16.2	16.2	13.9	13.9	13.9	20.8	48.5	55.5	94.8	94.8
102.5°	11.6	9.2	9.2	9.2	6.9	6.9	9.2	23.1	25.4	50.8	48.5
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.2	9.2	20.8	20.8
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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°	66°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0
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	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	2.3
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
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	2.3
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.3
167.5°	0.0	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	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1	1130.1
2.5°	1125.5	1118.5	1102.4	1088.5	1076.9	1065.4	1046.9	1040.0	1035.3	1042.3	1042.3
5°	1132.4	1113.9	1086.2	1063.1	1042.3	1016.8	989.1	972.9	959.1	966.0	966.0
7.5°	1144.0	1118.5	1083.9	1044.6	991.4	947.5	912.9	892.1	880.5	887.4	892.1
10°	1137.0	1109.3	1063.1	1003.0	940.6	894.4	850.5	818.1	806.5	801.9	806.5
12.5°	1144.0	1111.6	1033.0	961.4	901.3	827.3	774.2	739.5	725.7	725.7	725.7
15°	1167.1	1118.5	1014.5	931.3	838.9	767.3	711.8	674.8	670.2	654.0	654.0
17.5°	1199.4	1125.5	1007.6	885.1	783.4	709.5	644.8	607.8	596.2	598.6	598.6
20°	1231.8	1139.3	993.7	845.8	732.6	644.8	577.8	543.1	515.4	506.1	510.7
22.5°	1287.2	1178.6	982.2	825.0	674.8	591.6	517.7	459.9	413.7	399.8	392.9
25°	1368.1	1241.0	998.4	776.5	640.2	531.5	443.7	362.8	307.4	293.5	291.2
27.5°	1516.0	1338.1	1016.8	776.5	584.7	478.4	353.6	268.1	224.2	210.3	214.9
30°	1654.7	1469.8	1070.0	734.9	561.6	383.6	263.5	201.1	161.8	145.6	150.2
32.5°	1770.2	1594.6	1144.0	725.7	494.6	284.3	191.8	141.0	113.2	104.0	106.3
35°	1936.6	1700.9	1201.7	693.3	406.7	208.0	134.0	99.4	87.8	83.2	83.2
37.5°	2096.1	1830.3	1259.5	686.4	300.4	152.5	90.1	80.9	78.6	71.6	71.6
40°	2248.6	1962.1	1284.9	647.1	212.6	99.4	76.3	74.0	71.6	64.7	64.7
42.5°	2435.8	2089.2	1308.0	596.2	147.9	74.0	67.0	69.3	67.0	60.1	57.8
45°	2579.1	2174.7	1315.0	466.8	94.8	69.3	62.4	64.7	62.4	55.5	55.5
47.5°	2699.3	2290.2	1287.2	318.9	78.6	64.7	57.8	60.1	57.8	53.2	50.8
50°	2821.8	2396.5	1261.8	171.0	74.0	62.4	55.5	50.8	53.2	48.5	46.2
52.5°	2988.1	2475.1	1194.8	104.0	69.3	57.8	50.8	46.2	46.2	41.6	43.9
55°	3216.9	2669.2	1070.0	97.1	67.0	55.5	48.5	41.6	41.6	37.0	37.0
57.5°	3318.6	2745.5	868.9	87.8	64.7	55.5	43.9	37.0	32.4	30.0	27.7
60°	3443.4	2858.7	684.1	80.9	60.1	53.2	39.3	32.4	25.4	23.1	23.1
62.5°	3512.7	2881.8	533.8	74.0	57.8	46.2	34.7	25.4	20.8	16.2	16.2
65°	3547.4	2865.7	355.9	67.0	53.2	43.9	30.0	20.8	13.9	11.6	11.6
67.5°	3415.7	2780.2	205.7	62.4	50.8	39.3	25.4	16.2	11.6	9.2	6.9
70°	3191.5	2530.6	129.4	55.5	48.5	34.7	23.1	13.9	9.2	6.9	4.6
72.5°	2928.1	2066.0	94.8	50.8	46.2	30.0	18.5	11.6	6.9	4.6	4.6
75°	2673.8	1800.3	80.9	43.9	39.3	25.4	16.2	9.2	6.9	4.6	2.3
77.5°	1913.5	1227.1	71.6	39.3	34.7	20.8	11.6	9.2	4.6	2.3	2.3
80°	1358.9	721.0	64.7	32.4	27.7	16.2	11.6	6.9	4.6	2.3	2.3
82.5°	651.7	374.4	62.4	27.7	20.8	13.9	9.2	6.9	4.6	2.3	2.3
85°	295.8	159.5	46.2	25.4	18.5	13.9	9.2	6.9	4.6	4.6	2.3
87.5°	180.3	83.2	37.0	20.8	13.9	11.6	6.9	4.6	4.6	4.6	4.6
90°	168.7	108.6	27.7	16.2	11.6	9.2	6.9	2.3	0.0	0.0	0.0
92.5°	161.8	124.8	20.8	11.6	6.9	6.9	2.3	0.0	0.0	0.0	0.0
95°	152.5	117.9	23.1	6.9	11.6	4.6	2.3	0.0	0.0	0.0	0.0
97.5°	120.2	92.4	25.4	6.9	57.8	4.6	2.3	0.0	0.0	0.0	0.0
100°	76.3	57.8	18.5	6.9	69.3	4.6	0.0	0.0	0.0	0.0	0.0
102.5°	43.9	32.4	9.2	6.9	20.8	2.3	0.0	0.0	0.0	0.0	0.0
105°	18.5	16.2	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
107.5°	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
110°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691672
 CATALOG NUMBER: CRTK2-C018-D-U-T2-7050-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
115°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
117.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
132.5°	2.3	2.3	2.3	4.6	2.3	2.3	2.3	0.0	0.0	0.0	0.0
135°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
137.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
140°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
142.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
145°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
147.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
150°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
152.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
155°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
157.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
160°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
162.5°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
165°	2.3	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
167.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
170°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
172.5°	2.3	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.3	2.3	2.3	2.3	2.3	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)