

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: P691680

Luminaire Tested: **CRTK2-C018-D-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691680
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-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE II OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5430 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U2 - G2

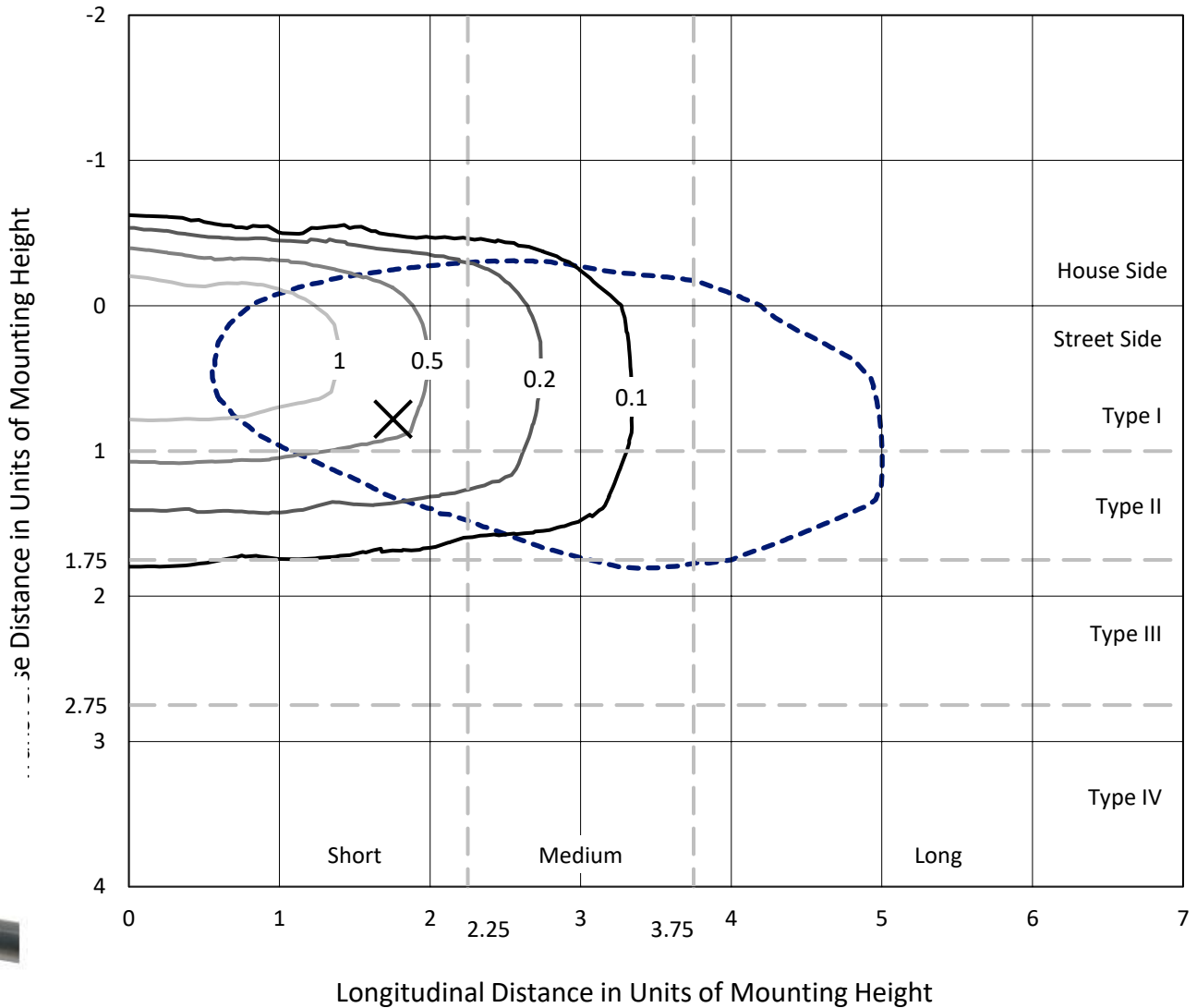
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

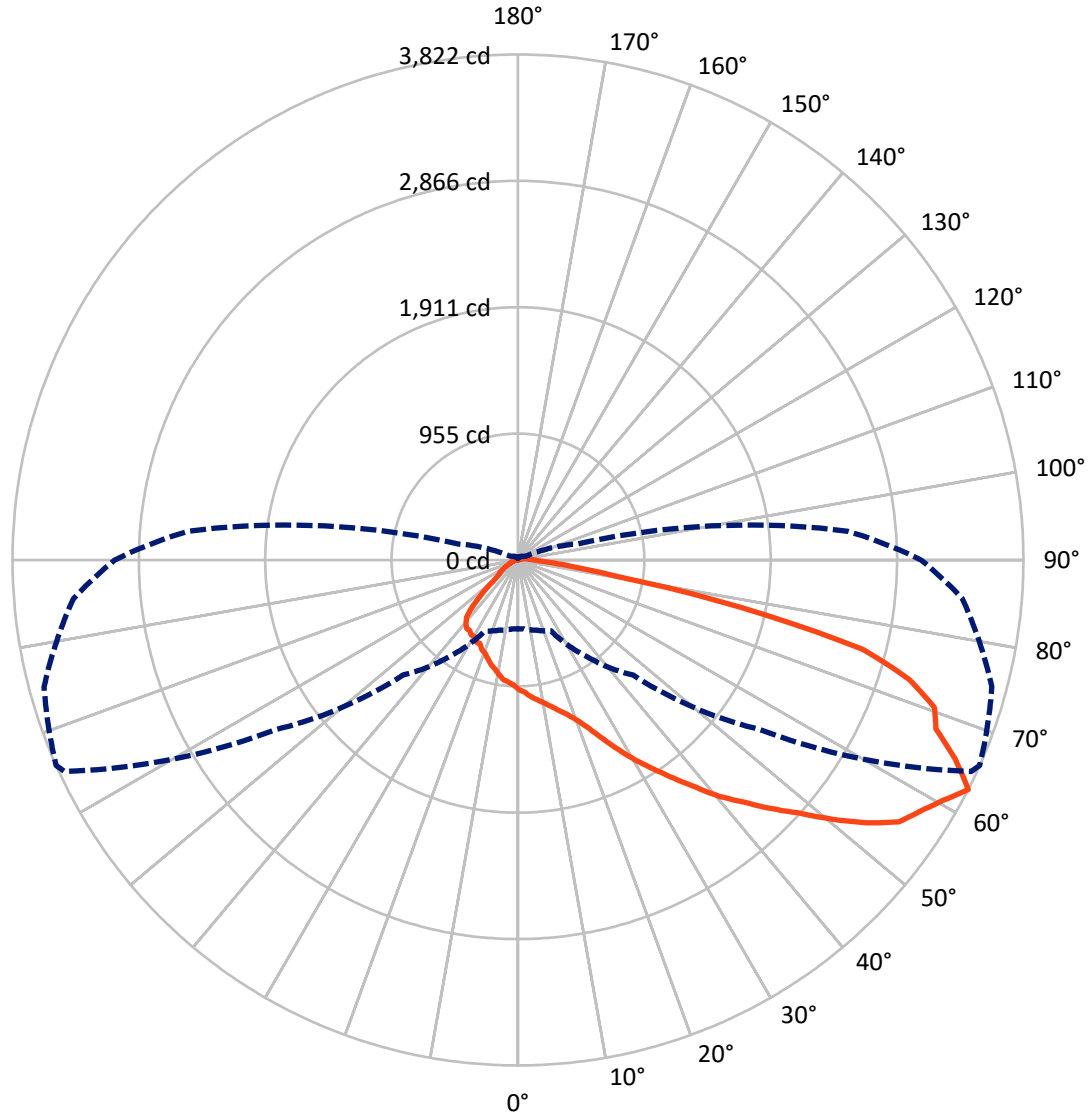
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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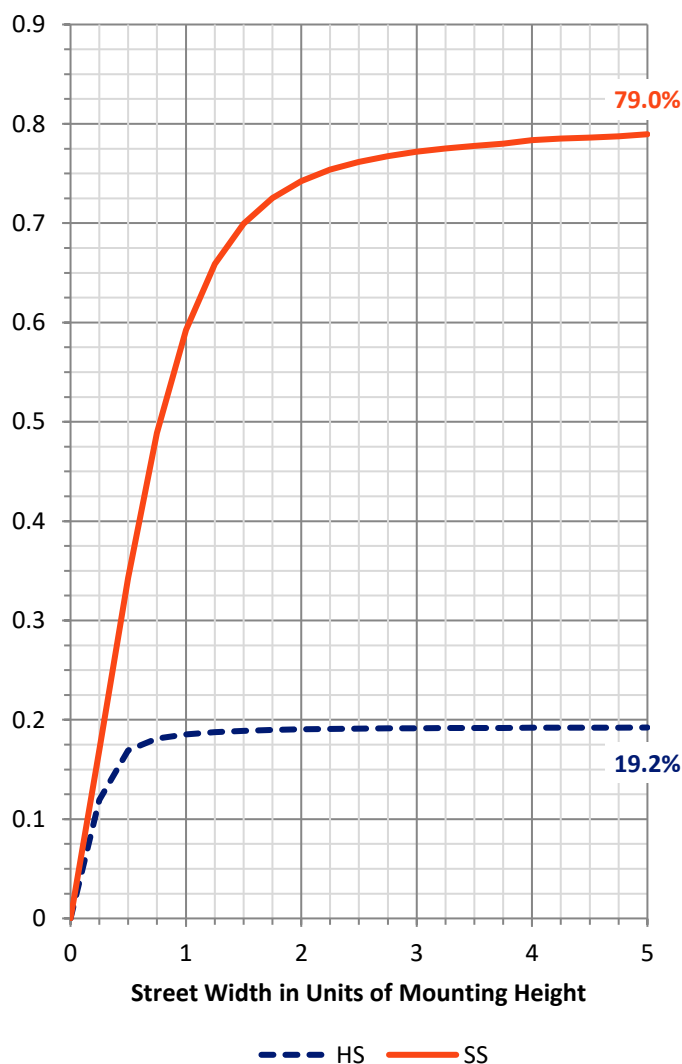
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1058.7	14.9	1073.6
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4315.0	41.4	4356.4
	% Fixture	79.5	0.8	80.2
Total	Lumens	5373.6	56.3	5430.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	93.2	1.7
10°-20°	273.2	5.0
20°-30°	459.7	8.5
30°-40°	683.7	12.6
40°-50°	904.6	16.7
50°-60°	1053.2	19.4
60°-70°	1051.4	19.4
70°-80°	705.6	13.0
80°-90°	149.1	2.7
90°-100°	45.4	0.8
100°-110°	7.9	0.1
110°-120°	0.6	0.0
120°-130°	0.7	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	5373.6	99.0
0°-180°	5430.0	100.0

Coefficient of Utilization



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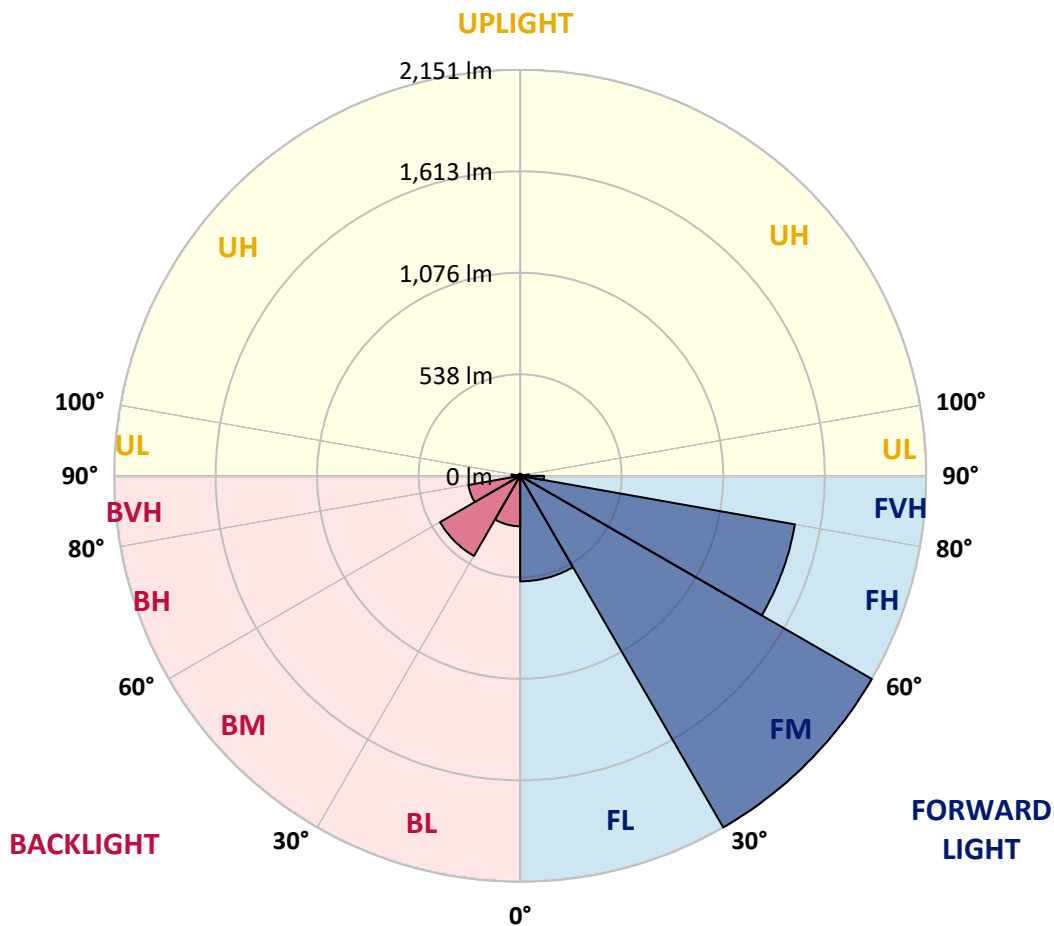
CATALOG NUMBER: CRTK2-C018-D-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	559.0	10.3			
FM (30°-60°)	2151.2	39.6			
FH (60°-80°)	1478.6	27.2			G1/1800
FVH (80°-90°)	126.2	2.3			G2/225
BL (0°-30°)	267.1	4.9	B1/500		
BM (30°-60°)	490.2	9.0	B1/1000		
BH (60°-80°)	278.4	5.1	B1/500		G1/500
BVH (80°-90°)	22.9	0.4			G1/100
UL (90°-100°)	45.4	0.8		U2/50	
UH (100°-180°)	10.9	0.2		U2/50	

BUG Rating: B1-U2-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	1047.2	1041.2	1043.2	1033.2	1023.2	1017.1	1011.1	1001.1	1001.1	993.1	983.0
5°	1121.5	1123.5	1121.5	1109.4	1097.4	1079.3	1057.3	1039.2	1039.2	1021.2	997.1
7.5°	1171.6	1169.6	1169.6	1155.6	1147.5	1137.5	1111.4	1071.3	1069.3	1045.2	1015.1
10°	1191.7	1193.7	1201.7	1181.7	1173.6	1159.6	1145.5	1105.4	1101.4	1061.3	1013.1
12.5°	1235.8	1237.8	1233.8	1217.8	1207.7	1197.7	1175.6	1141.5	1137.5	1093.4	1027.2
15°	1288.0	1288.0	1282.0	1265.9	1259.9	1245.9	1219.8	1187.7	1183.7	1133.5	1053.3
17.5°	1316.1	1320.1	1320.1	1298.0	1300.0	1294.0	1280.0	1237.8	1231.8	1185.7	1089.4
20°	1330.1	1332.1	1336.1	1336.1	1334.1	1332.1	1340.1	1302.0	1298.0	1243.8	1131.5
22.5°	1370.2	1374.3	1384.3	1378.3	1384.3	1392.3	1394.3	1392.3	1386.3	1328.1	1201.7
25°	1388.3	1400.3	1414.4	1432.4	1450.5	1462.5	1490.6	1504.7	1500.6	1444.5	1312.1
27.5°	1368.2	1380.3	1430.4	1464.5	1520.7	1554.8	1607.0	1629.0	1627.0	1580.9	1426.4
30°	1402.3	1406.4	1428.4	1476.6	1548.8	1643.1	1715.3	1749.4	1757.4	1715.3	1546.8
32.5°	1352.2	1366.2	1428.4	1518.7	1627.0	1727.3	1797.6	1873.8	1883.8	1865.8	1705.3
35°	1348.2	1358.2	1392.3	1490.6	1629.0	1815.6	1911.9	2016.2	2024.3	2030.3	1865.8
37.5°	1292.0	1306.0	1374.3	1498.6	1689.2	1873.8	2008.2	2158.7	2178.7	2202.8	2000.2
40°	1229.8	1239.8	1298.0	1430.4	1675.2	1942.0	2100.5	2331.2	2351.3	2381.4	2178.7
42.5°	1137.5	1159.6	1257.9	1400.3	1667.2	1962.1	2192.8	2483.7	2501.7	2543.9	2329.2
45°	1055.3	1065.3	1141.5	1298.0	1603.0	1998.2	2271.0	2662.2	2680.3	2700.4	2447.6
47.5°	991.1	1003.1	1075.3	1215.8	1538.8	1990.2	2343.2	2838.8	2858.8	2905.0	2594.0
50°	786.4	816.5	999.1	1135.5	1432.4	1974.1	2405.4	3035.4	3081.5	3099.6	2746.5
52.5°	676.1	686.1	780.4	1063.3	1328.1	1915.9	2459.6	3250.1	3302.2	3268.1	2951.1
55°	629.9	636.0	682.1	920.8	1233.8	1797.6	2503.7	3456.7	3494.8	3386.5	3101.6
57.5°	595.8	605.9	625.9	746.3	1123.5	1598.9	2505.8	3571.0	3585.1	3484.8	3173.8
60°	551.7	555.7	597.8	650.0	999.1	1392.3	2437.5	3629.2	3691.4	3599.1	3320.3
62.5°	519.6	523.6	549.7	591.8	880.7	1229.8	2236.9	3783.7	3821.8	3709.5	3374.4
65°	479.5	485.5	507.6	549.7	798.5	1131.5	2136.6	3743.6	3633.2	3683.4	3436.6
67.5°	437.4	441.4	465.4	497.5	680.1	1037.2	1887.8	3488.8	3408.5	3553.0	3270.1
70°	393.2	397.2	419.3	441.4	559.7	920.8	1572.9	3272.1	3340.3	3348.4	3113.6
72.5°	347.1	351.1	371.1	389.2	463.4	774.4	1249.9	3055.5	3097.6	2975.2	2750.5
75°	300.9	302.9	319.0	337.0	385.2	623.9	894.8	2533.8	2694.3	2842.8	2373.3
77.5°	242.8	246.8	262.8	268.8	309.0	503.6	579.8	1506.7	1717.3	2487.7	2130.6
80°	178.6	180.6	196.6	194.6	230.7	367.1	365.1	716.2	770.4	1536.8	1564.8
82.5°	118.4	122.4	136.4	132.4	156.5	222.7	228.7	385.2	411.3	595.8	686.1
85°	94.3	96.3	104.3	96.3	104.3	112.3	126.4	232.7	236.7	353.1	351.1
87.5°	76.2	78.2	86.3	80.2	82.3	86.3	100.3	148.5	152.5	222.7	230.7
90°	60.2	62.2	72.2	66.2	66.2	72.2	84.3	110.3	116.4	174.5	188.6
92.5°	40.1	40.1	46.1	44.1	44.1	52.2	74.2	82.3	88.3	162.5	170.5
95°	30.1	30.1	32.1	32.1	32.1	38.1	56.2	78.2	86.3	158.5	154.5
97.5°	20.1	20.1	22.1	22.1	22.1	24.1	32.1	64.2	72.2	128.4	126.4
100°	14.0	14.0	14.0	12.0	12.0	12.0	18.1	42.1	48.1	82.3	82.3
102.5°	10.0	8.0	8.0	8.0	6.0	6.0	8.0	20.1	22.1	44.1	42.1
105°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	8.0	8.0	18.1	18.1
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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°	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	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0
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	2.0
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°	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0	981.0
2.5°	977.0	971.0	957.0	944.9	934.9	924.9	908.8	902.8	898.8	904.8	904.8
5°	983.0	967.0	942.9	922.9	904.8	882.7	858.7	844.6	832.6	838.6	838.6
7.5°	993.1	971.0	940.9	906.8	860.7	822.5	792.5	774.4	764.4	770.4	774.4
10°	987.1	963.0	922.9	870.7	816.5	776.4	738.3	710.2	700.2	696.2	700.2
12.5°	993.1	965.0	896.8	834.6	782.4	718.2	672.1	642.0	629.9	629.9	629.9
15°	1013.1	971.0	880.7	808.5	728.3	666.1	617.9	585.8	581.8	567.8	567.8
17.5°	1041.2	977.0	874.7	768.4	680.1	615.9	559.7	527.6	517.6	519.6	519.6
20°	1069.3	989.1	862.7	734.3	636.0	559.7	501.6	471.5	447.4	439.4	443.4
22.5°	1117.5	1023.2	852.6	716.2	585.8	513.6	449.4	399.2	359.1	347.1	341.1
25°	1187.7	1077.3	866.7	674.1	555.7	461.4	385.2	315.0	266.8	254.8	252.8
27.5°	1316.1	1161.6	882.7	674.1	507.6	415.3	306.9	232.7	194.6	182.6	186.6
30°	1436.4	1275.9	928.9	638.0	487.5	333.0	228.7	174.5	140.4	126.4	130.4
32.5°	1536.8	1384.3	993.1	629.9	429.3	246.8	166.5	122.4	98.3	90.3	92.3
35°	1681.2	1476.6	1043.2	601.9	353.1	180.6	116.4	86.3	76.2	72.2	72.2
37.5°	1819.6	1588.9	1093.4	595.8	260.8	132.4	78.2	70.2	68.2	62.2	62.2
40°	1952.0	1703.3	1115.5	561.7	184.6	86.3	66.2	64.2	62.2	56.2	56.2
42.5°	2114.5	1813.6	1135.5	517.6	128.4	64.2	58.2	60.2	58.2	52.2	50.2
45°	2238.9	1887.8	1141.5	405.3	82.3	60.2	54.2	56.2	54.2	48.1	48.1
47.5°	2343.2	1988.2	1117.5	276.9	68.2	56.2	50.2	52.2	50.2	46.1	44.1
50°	2449.6	2080.4	1095.4	148.5	64.2	54.2	48.1	44.1	46.1	42.1	40.1
52.5°	2594.0	2148.6	1037.2	90.3	60.2	50.2	44.1	40.1	40.1	36.1	38.1
55°	2792.6	2317.2	928.9	84.3	58.2	48.1	42.1	36.1	36.1	32.1	32.1
57.5°	2880.9	2383.4	754.3	76.2	56.2	48.1	38.1	32.1	28.1	26.1	24.1
60°	2989.2	2481.7	593.8	70.2	52.2	46.1	34.1	28.1	22.1	20.1	20.1
62.5°	3049.4	2501.7	463.4	64.2	50.2	40.1	30.1	22.1	18.1	14.0	14.0
65°	3079.5	2487.7	309.0	58.2	46.1	38.1	26.1	18.1	12.0	10.0	10.0
67.5°	2965.2	2413.5	178.6	54.2	44.1	34.1	22.1	14.0	10.0	8.0	6.0
70°	2770.6	2196.8	112.3	48.1	42.1	30.1	20.1	12.0	8.0	6.0	4.0
72.5°	2541.9	1793.5	82.3	44.1	40.1	26.1	16.0	10.0	6.0	4.0	4.0
75°	2321.2	1562.8	70.2	38.1	34.1	22.1	14.0	8.0	6.0	4.0	2.0
77.5°	1661.1	1065.3	62.2	34.1	30.1	18.1	10.0	8.0	4.0	2.0	2.0
80°	1179.6	625.9	56.2	28.1	24.1	14.0	10.0	6.0	4.0	2.0	2.0
82.5°	565.8	325.0	54.2	24.1	18.1	12.0	8.0	6.0	4.0	2.0	2.0
85°	256.8	138.4	40.1	22.1	16.0	12.0	8.0	6.0	4.0	4.0	2.0
87.5°	156.5	72.2	32.1	18.1	12.0	10.0	6.0	4.0	4.0	4.0	4.0
90°	146.5	94.3	24.1	14.0	10.0	8.0	6.0	2.0	0.0	0.0	0.0
92.5°	140.4	108.3	18.1	10.0	6.0	6.0	2.0	0.0	0.0	0.0	0.0
95°	132.4	102.3	20.1	6.0	10.0	4.0	2.0	0.0	0.0	0.0	0.0
97.5°	104.3	80.2	22.1	6.0	50.2	4.0	2.0	0.0	0.0	0.0	0.0
100°	66.2	50.2	16.0	6.0	60.2	4.0	0.0	0.0	0.0	0.0	0.0
102.5°	38.1	28.1	8.0	6.0	18.1	2.0	0.0	0.0	0.0	0.0	0.0
105°	16.0	14.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691680
 CATALOG NUMBER: CRTK2-C018-D-U-T2-8027-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
120°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	2.0	2.0	2.0	2.0	2.0	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)