

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: P691588

Luminaire Tested: **CRTK2-C018-5TLD-U-T2-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691588
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-C018-5TLD-U-T2-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 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: 6271 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

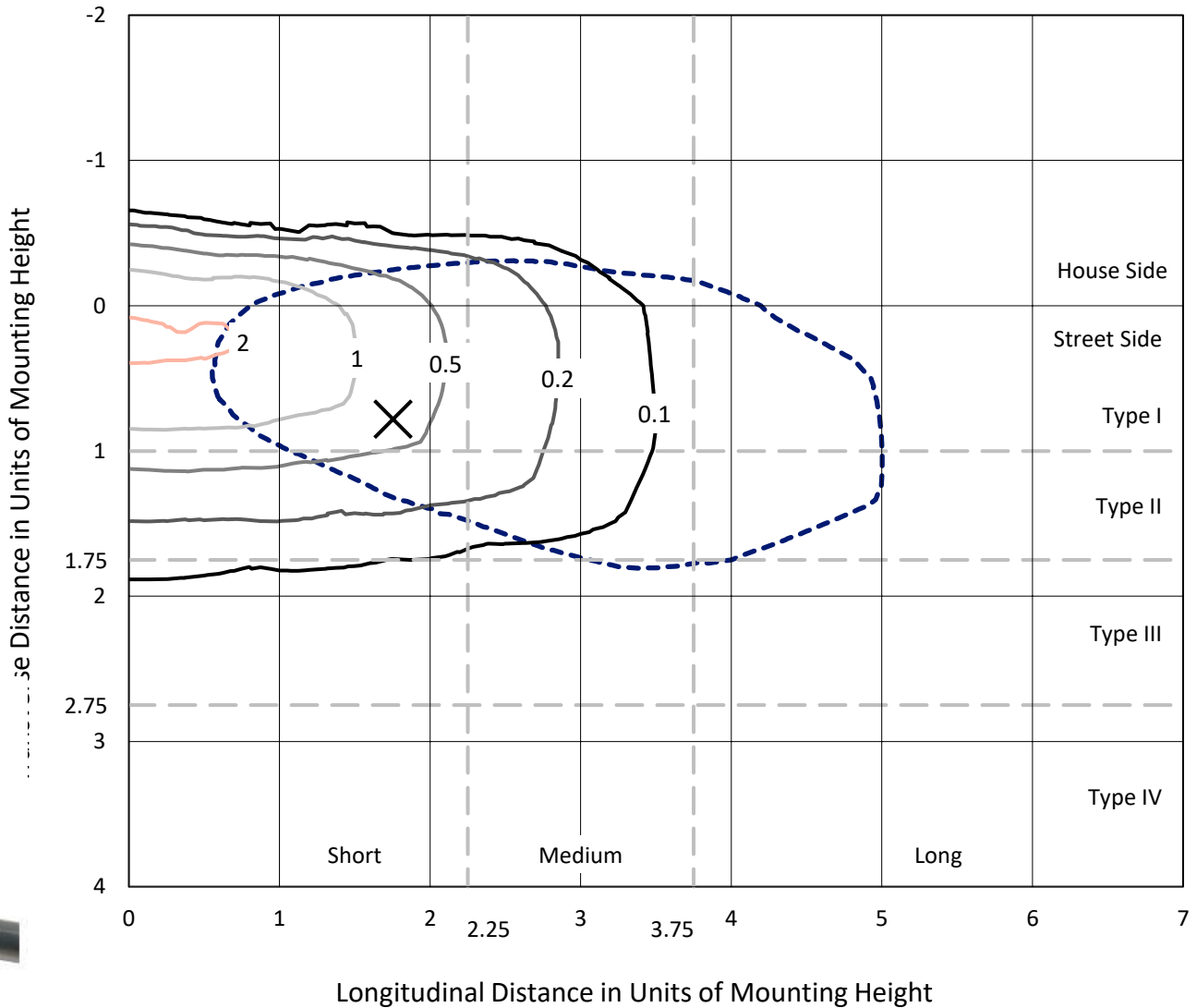
Input Watts (W): 53.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

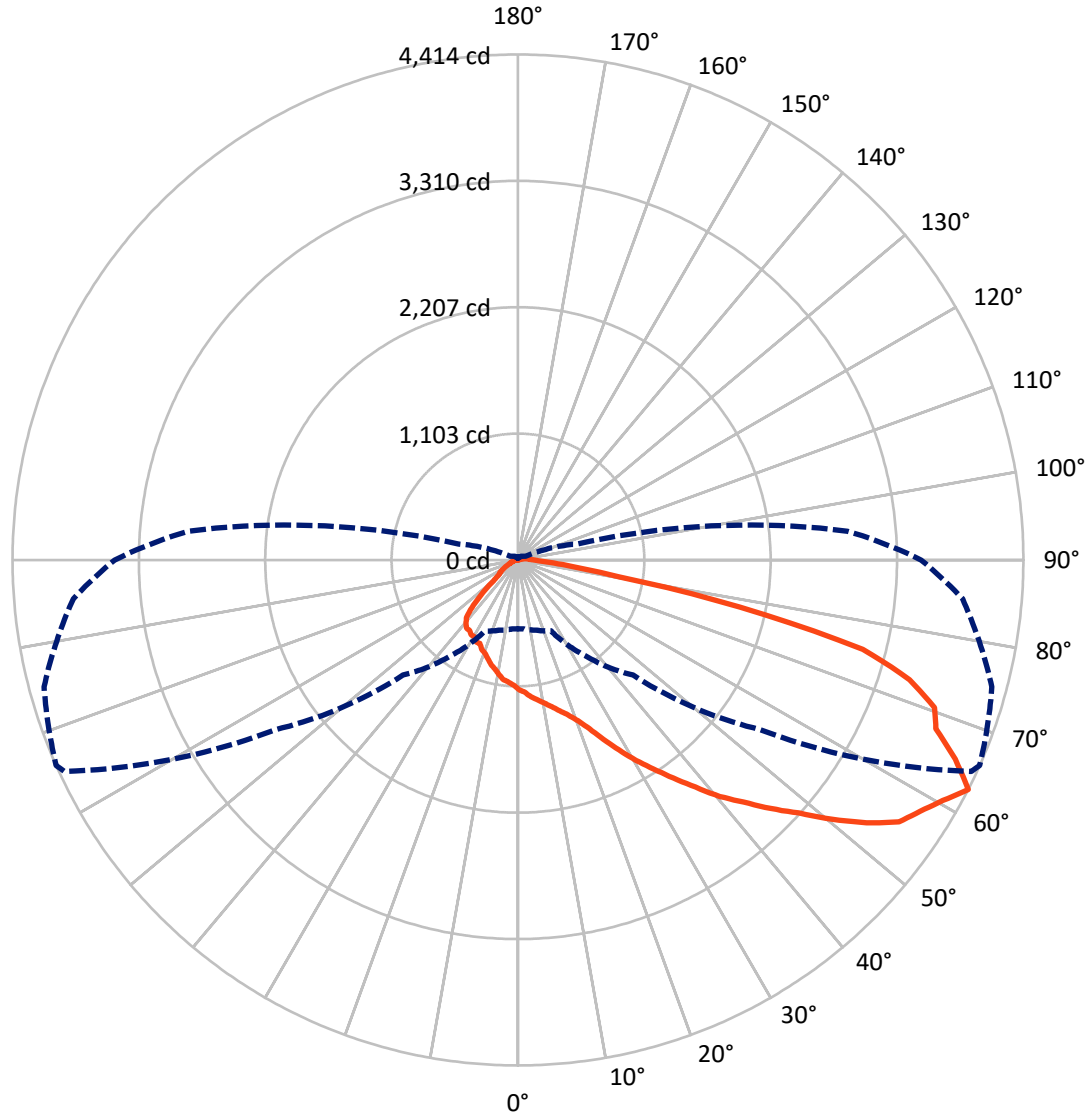
✕ Max cd
 - - - 1/2 Max cd



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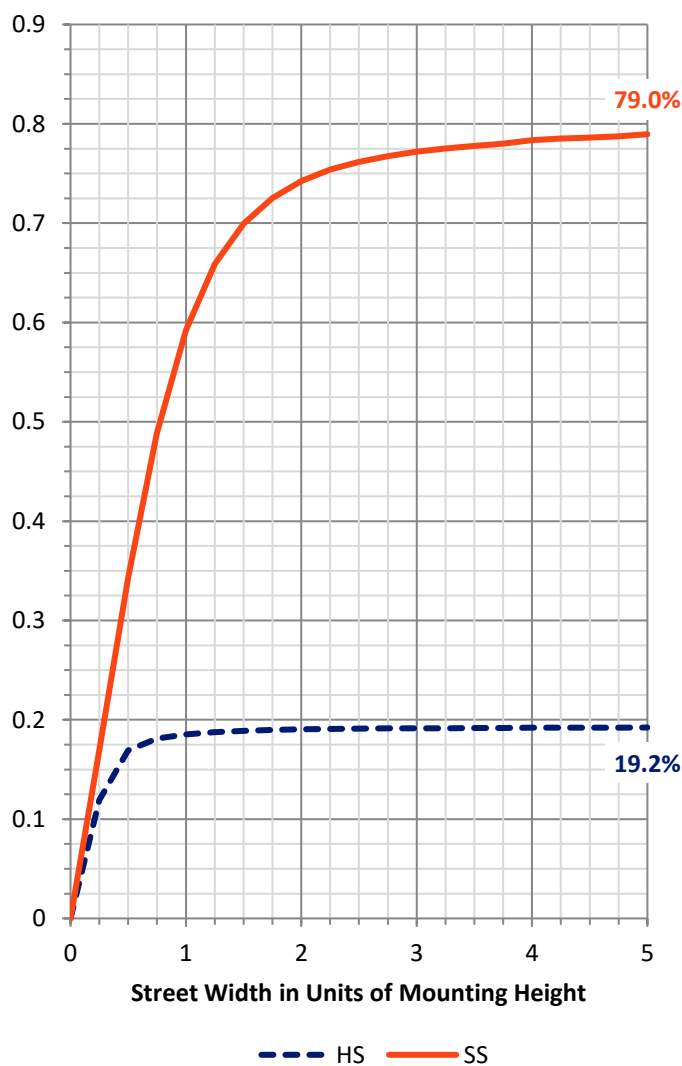
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1222.6	17.2	1239.9
	% Fixture	19.5	0.3	19.8
Street Side	Lumens	4983.3	47.8	5031.1
	% Fixture	79.5	0.8	80.2
Total	Lumens	6206.0	65.0	6271.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.6	1.7
10°-20°	315.5	5.0
20°-30°	530.9	8.5
30°-40°	789.6	12.6
40°-50°	1044.7	16.7
50°-60°	1216.3	19.4
60°-70°	1214.3	19.4
70°-80°	814.9	13.0
80°-90°	172.2	2.7
90°-100°	52.4	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°	6206.0	99.0
0°-180°	6271.0	100.0

Coefficient of Utilization



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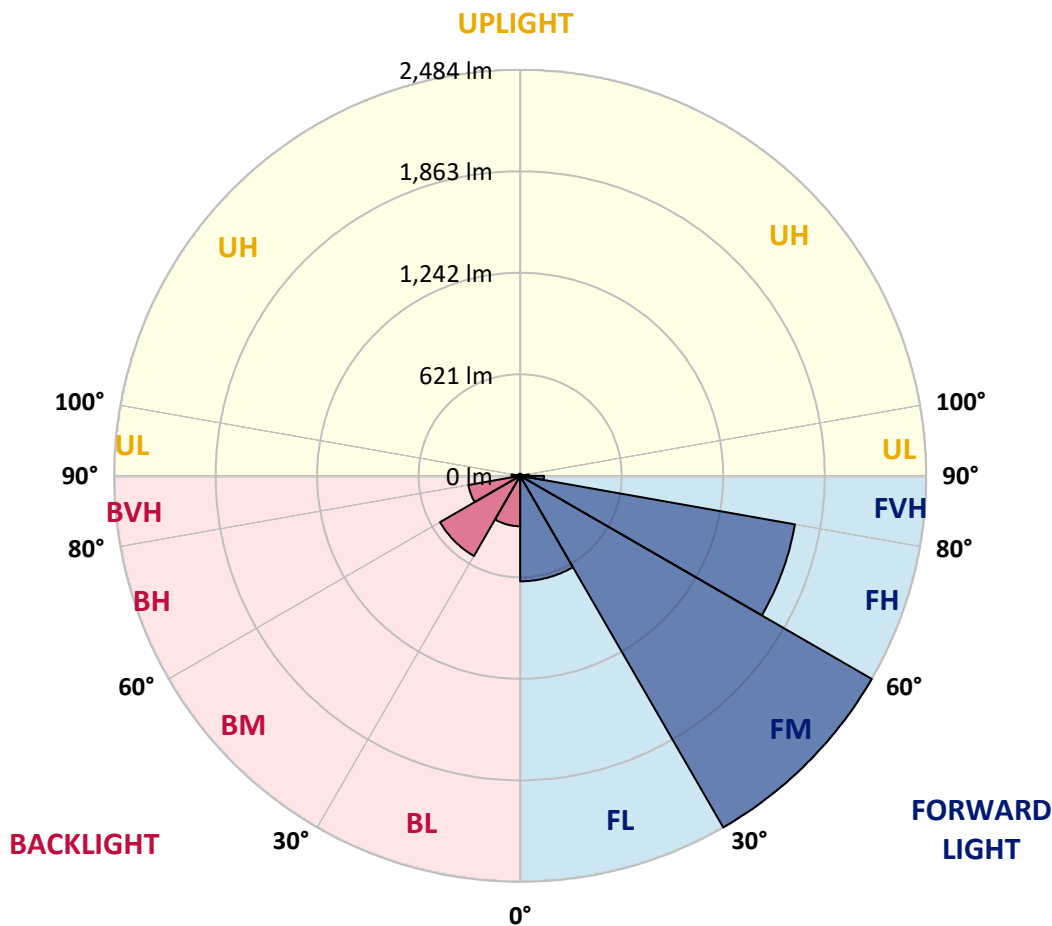
CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	645.6	10.3			
FM (30°-60°)	2484.4	39.6			
FH (60°-80°)	1707.6	27.2			G1/1800
FVH (80°-90°)	145.7	2.3			G2/225
BL (0°-30°)	308.5	4.9	B1/500		
BM (30°-60°)	566.1	9.0	B1/1000		
BH (60°-80°)	321.5	5.1	B1/500		G1/500
BVH (80°-90°)	26.5	0.4			G1/100
UL (90°-100°)	52.4	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°	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0
2.5°	1209.4	1202.5	1204.8	1193.2	1181.6	1174.7	1167.7	1156.1	1156.1	1146.9	1135.3
5°	1295.2	1297.5	1295.2	1281.3	1267.4	1246.5	1221.0	1200.2	1200.2	1179.3	1151.5
7.5°	1353.1	1350.8	1350.8	1334.6	1325.3	1313.7	1283.6	1237.2	1234.9	1207.1	1172.4
10°	1376.3	1378.6	1387.8	1364.7	1355.4	1339.2	1323.0	1276.6	1272.0	1225.7	1170.0
12.5°	1427.2	1429.5	1424.9	1406.4	1394.8	1383.2	1357.7	1318.3	1313.7	1262.7	1186.3
15°	1487.5	1487.5	1480.5	1462.0	1455.0	1438.8	1408.7	1371.6	1367.0	1309.1	1216.4
17.5°	1519.9	1524.5	1524.5	1499.1	1501.4	1494.4	1478.2	1429.5	1422.6	1369.3	1258.1
20°	1536.1	1538.4	1543.1	1543.1	1540.8	1538.4	1547.7	1503.7	1499.1	1436.5	1306.7
22.5°	1582.5	1587.1	1598.7	1591.7	1598.7	1607.9	1610.3	1607.9	1601.0	1533.8	1387.8
25°	1603.3	1617.2	1633.4	1654.3	1675.1	1689.0	1721.5	1737.7	1733.1	1668.2	1515.3
27.5°	1580.1	1594.0	1652.0	1691.4	1756.2	1795.6	1855.9	1881.3	1879.0	1825.7	1647.3
30°	1619.5	1624.2	1649.7	1705.3	1788.7	1897.6	1981.0	2020.4	2029.6	1981.0	1786.4
32.5°	1561.6	1577.8	1649.7	1753.9	1879.0	1994.9	2076.0	2164.0	2175.6	2154.7	1969.4
35°	1557.0	1568.6	1607.9	1721.5	1881.3	2096.8	2208.0	2328.5	2337.8	2344.7	2154.7
37.5°	1492.1	1508.3	1587.1	1730.7	1950.9	2164.0	2319.2	2493.0	2516.2	2544.0	2310.0
40°	1420.3	1431.9	1499.1	1652.0	1934.6	2242.8	2425.8	2692.3	2715.4	2750.2	2516.2
42.5°	1313.7	1339.2	1452.7	1617.2	1925.4	2266.0	2532.4	2868.4	2889.2	2937.9	2690.0
45°	1218.7	1230.3	1318.3	1499.1	1851.2	2307.7	2622.8	3074.6	3095.4	3118.6	2826.7
47.5°	1144.6	1158.5	1241.9	1404.1	1777.1	2298.4	2706.2	3278.5	3301.6	3354.9	2995.8
50°	908.2	943.0	1153.8	1311.4	1654.3	2279.9	2778.0	3505.5	3558.8	3579.7	3171.9
52.5°	780.8	792.4	901.3	1228.0	1533.8	2212.7	2840.6	3753.4	3813.7	3774.3	3408.2
55°	727.5	734.5	787.8	1063.5	1424.9	2076.0	2891.5	3992.1	4036.1	3911.0	3582.0
57.5°	688.1	699.7	722.9	861.9	1297.5	1846.6	2893.8	4124.1	4140.4	4024.5	3665.4
60°	637.2	641.8	690.4	750.7	1153.8	1607.9	2815.1	4191.3	4263.1	4156.6	3834.5
62.5°	600.1	604.7	634.8	683.5	1017.1	1420.3	2583.4	4369.7	4413.7	4284.0	3897.1
65°	553.7	560.7	586.2	634.8	922.1	1306.7	2467.5	4323.4	4196.0	4253.9	3968.9
67.5°	505.1	509.7	537.5	574.6	785.4	1197.9	2180.2	4029.1	3936.5	4103.3	3776.6
70°	454.1	458.8	484.2	509.7	646.4	1063.5	1816.5	3778.9	3857.7	3867.0	3595.9
72.5°	400.8	405.5	428.6	449.5	535.2	894.3	1443.4	3528.7	3577.3	3436.0	3176.5
75°	347.5	349.9	368.4	389.2	444.9	720.6	1033.3	2926.3	3111.6	3283.1	2740.9
77.5°	280.3	285.0	303.5	310.5	356.8	581.5	669.6	1740.0	1983.3	2873.0	2460.6
80°	206.2	208.5	227.1	224.7	266.4	424.0	421.7	827.1	889.7	1774.8	1807.2
82.5°	136.7	141.3	157.6	152.9	180.7	257.2	264.1	444.9	475.0	688.1	792.4
85°	108.9	111.2	120.5	111.2	120.5	129.7	146.0	268.8	273.4	407.8	405.5
87.5°	88.0	90.4	99.6	92.7	95.0	99.6	115.8	171.5	176.1	257.2	266.4
90°	69.5	71.8	83.4	76.5	76.5	83.4	97.3	127.4	134.4	201.6	217.8
92.5°	46.3	46.3	53.3	51.0	51.0	60.2	85.7	95.0	101.9	187.7	196.9
95°	34.8	34.8	37.1	37.1	37.1	44.0	64.9	90.4	99.6	183.0	178.4
97.5°	23.2	23.2	25.5	25.5	25.5	27.8	37.1	74.1	83.4	148.3	146.0
100°	16.2	16.2	16.2	13.9	13.9	13.9	20.9	48.7	55.6	95.0	95.0
102.5°	11.6	9.3	9.3	9.3	7.0	7.0	9.3	23.2	25.5	51.0	48.7
105°	2.3	2.3	4.6	4.6	4.6	2.3	2.3	9.3	9.3	20.9	20.9
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°	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0	1133.0
2.5°	1128.3	1121.4	1105.2	1091.3	1079.7	1068.1	1049.6	1042.6	1038.0	1044.9	1044.9
5°	1135.3	1116.8	1089.0	1065.8	1044.9	1019.4	991.6	975.4	961.5	968.5	968.5
7.5°	1146.9	1121.4	1086.6	1047.3	994.0	949.9	915.2	894.3	882.7	889.7	894.3
10°	1139.9	1112.1	1065.8	1005.5	943.0	896.7	852.6	820.2	808.6	804.0	808.6
12.5°	1146.9	1114.4	1035.7	963.8	903.6	829.5	776.2	741.4	727.5	727.5	727.5
15°	1170.0	1121.4	1017.1	933.7	841.0	769.2	713.6	676.5	671.9	655.7	655.7
17.5°	1202.5	1128.3	1010.2	887.4	785.4	711.3	646.4	609.4	597.8	600.1	600.1
20°	1234.9	1142.2	996.3	848.0	734.5	646.4	579.2	544.5	516.7	507.4	512.0
22.5°	1290.5	1181.6	984.7	827.1	676.5	593.1	519.0	461.1	414.7	400.8	393.9
25°	1371.6	1244.2	1000.9	778.5	641.8	532.9	444.9	363.8	308.2	294.2	291.9
27.5°	1519.9	1341.5	1019.4	778.5	586.2	479.6	354.5	268.8	224.7	210.8	215.5
30°	1658.9	1473.6	1072.7	736.8	563.0	384.6	264.1	201.6	162.2	146.0	150.6
32.5°	1774.8	1598.7	1146.9	727.5	495.8	285.0	192.3	141.3	113.5	104.3	106.6
35°	1941.6	1705.3	1204.8	695.1	407.8	208.5	134.4	99.6	88.0	83.4	83.4
37.5°	2101.5	1835.0	1262.7	688.1	301.2	152.9	90.4	81.1	78.8	71.8	71.8
40°	2254.4	1967.1	1288.2	648.7	213.2	99.6	76.5	74.1	71.8	64.9	64.9
42.5°	2442.0	2094.5	1311.4	597.8	148.3	74.1	67.2	69.5	67.2	60.2	57.9
45°	2585.7	2180.2	1318.3	468.0	95.0	69.5	62.6	64.9	62.6	55.6	55.6
47.5°	2706.2	2296.1	1290.5	319.7	78.8	64.9	57.9	60.2	57.9	53.3	51.0
50°	2829.0	2402.7	1265.0	171.5	74.1	62.6	55.6	51.0	53.3	48.7	46.3
52.5°	2995.8	2481.4	1197.9	104.3	69.5	57.9	51.0	46.3	46.3	41.7	44.0
55°	3225.2	2676.1	1072.7	97.3	67.2	55.6	48.7	41.7	41.7	37.1	37.1
57.5°	3327.1	2752.5	871.2	88.0	64.9	55.6	44.0	37.1	32.4	30.1	27.8
60°	3452.2	2866.0	685.8	81.1	60.2	53.3	39.4	32.4	25.5	23.2	23.2
62.5°	3521.7	2889.2	535.2	74.1	57.9	46.3	34.8	25.5	20.9	16.2	16.2
65°	3556.5	2873.0	356.8	67.2	53.3	44.0	30.1	20.9	13.9	11.6	11.6
67.5°	3424.4	2787.3	206.2	62.6	51.0	39.4	25.5	16.2	11.6	9.3	7.0
70°	3199.7	2537.0	129.7	55.6	48.7	34.8	23.2	13.9	9.3	7.0	4.6
72.5°	2935.5	2071.3	95.0	51.0	46.3	30.1	18.5	11.6	7.0	4.6	4.6
75°	2680.7	1804.9	81.1	44.0	39.4	25.5	16.2	9.3	7.0	4.6	2.3
77.5°	1918.4	1230.3	71.8	39.4	34.8	20.9	11.6	9.3	4.6	2.3	2.3
80°	1362.4	722.9	64.9	32.4	27.8	16.2	11.6	7.0	4.6	2.3	2.3
82.5°	653.4	375.3	62.6	27.8	20.9	13.9	9.3	7.0	4.6	2.3	2.3
85°	296.6	159.9	46.3	25.5	18.5	13.9	9.3	7.0	4.6	4.6	2.3
87.5°	180.7	83.4	37.1	20.9	13.9	11.6	7.0	4.6	4.6	4.6	4.6
90°	169.1	108.9	27.8	16.2	11.6	9.3	7.0	2.3	0.0	0.0	0.0
92.5°	162.2	125.1	20.9	11.6	7.0	7.0	2.3	0.0	0.0	0.0	0.0
95°	152.9	118.2	23.2	7.0	11.6	4.6	2.3	0.0	0.0	0.0	0.0
97.5°	120.5	92.7	25.5	7.0	57.9	4.6	2.3	0.0	0.0	0.0	0.0
100°	76.5	57.9	18.5	7.0	69.5	4.6	0.0	0.0	0.0	0.0	0.0
102.5°	44.0	32.4	9.3	7.0	20.9	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



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 CATALOG NUMBER: CRTK2-C018-5TLD-U-T2-8027-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)