

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: P691695

Luminaire Tested: **CRTK2-C018-D-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691695
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-9)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T3-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6770 lumens
Efficiency: N/A
Efficacy: 134.3 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

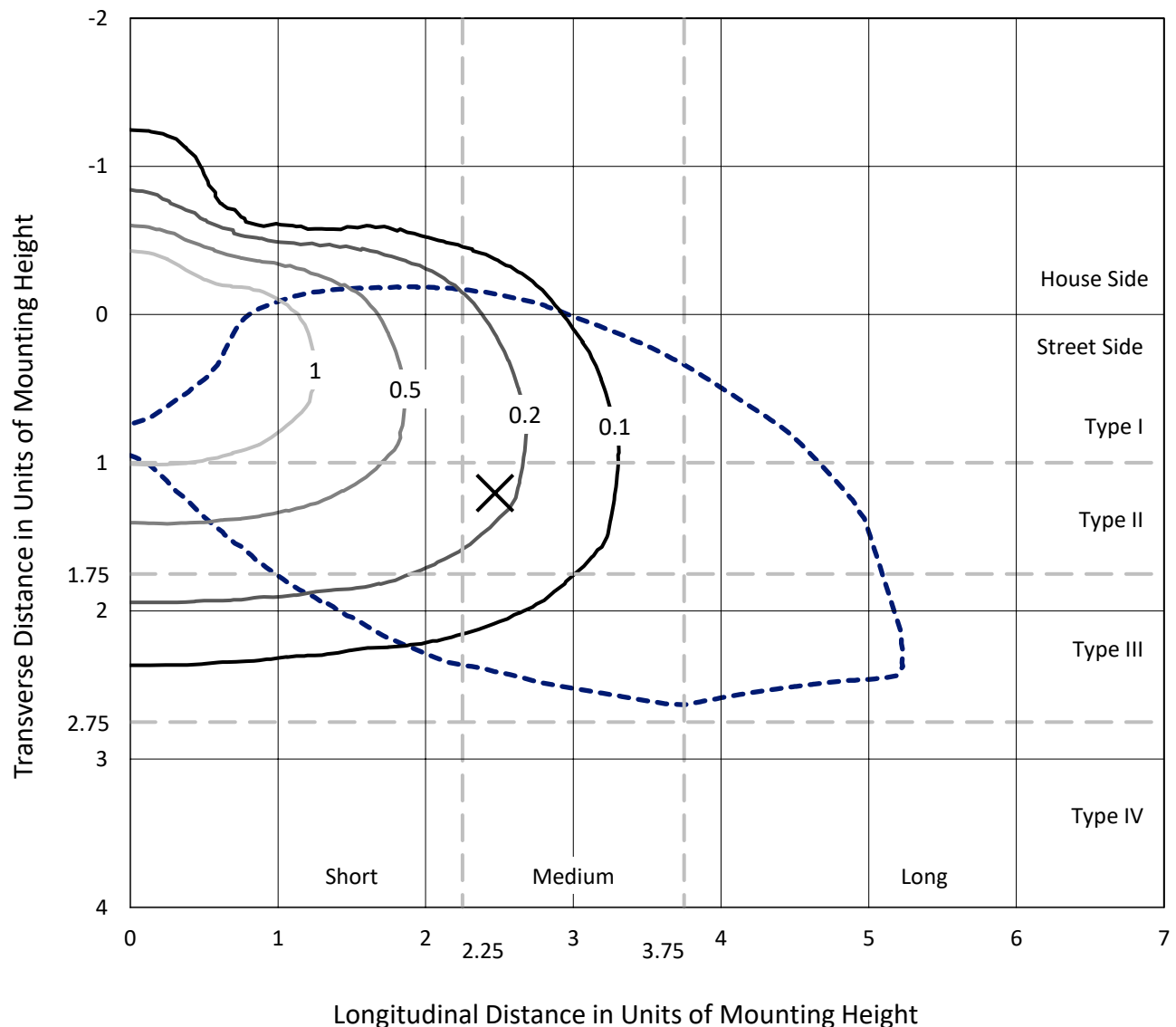
Input Watts (W): 50.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

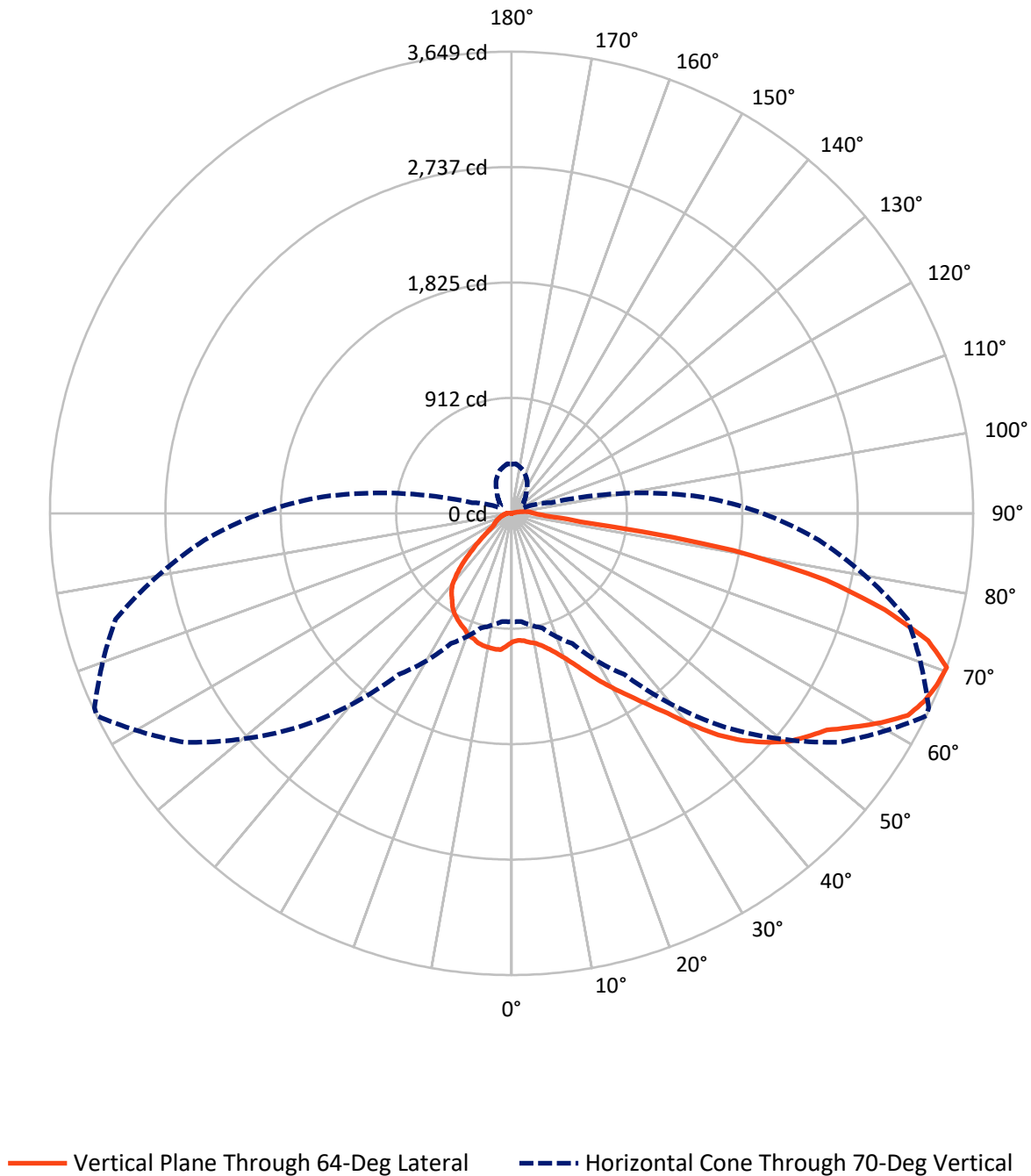
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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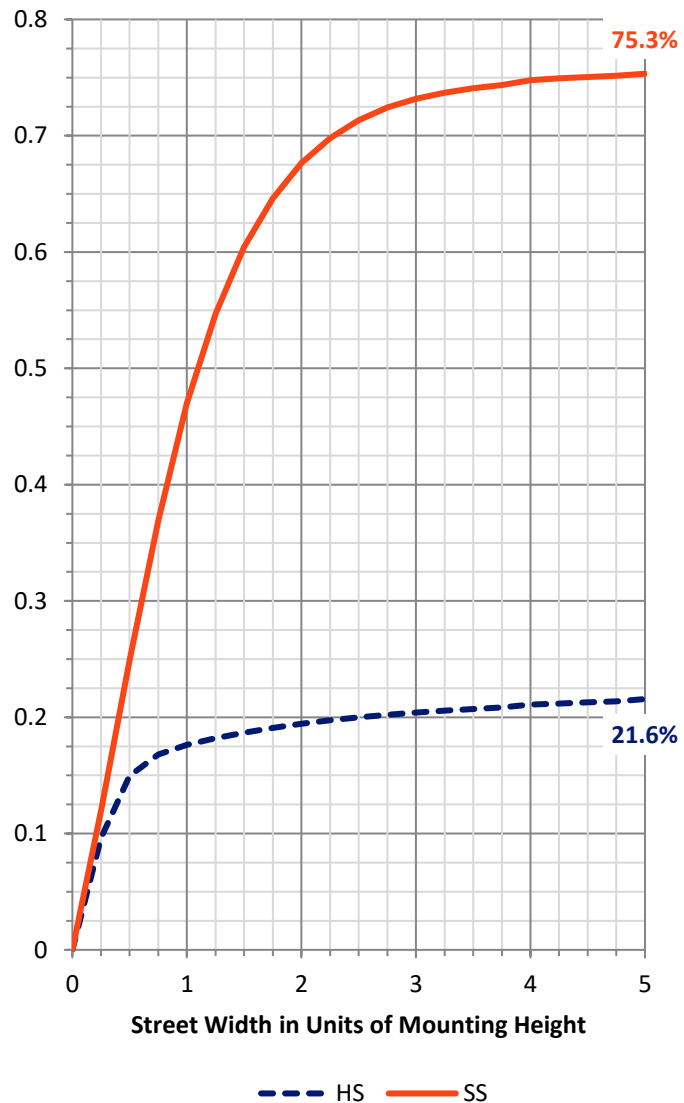
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1543.4	41.8	1585.2
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	5130.8	54.0	5184.8
	% Fixture	75.8	0.8	76.6
Total	Lumens	6674.2	95.8	6770.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.2	1.5
10°-20°	315.2	4.7
20°-30°	546.8	8.1
30°-40°	793.5	11.7
40°-50°	1064.9	15.7
50°-60°	1287.6	19.0
60°-70°	1386.0	20.5
70°-80°	951.9	14.1
80°-90°	227.1	3.4
90°-100°	82.2	1.2
100°-110°	10.3	0.2
110°-120°	0.7	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°	6674.2	98.6
0°-180°	6770.0	100.0

Coefficient of Utilization



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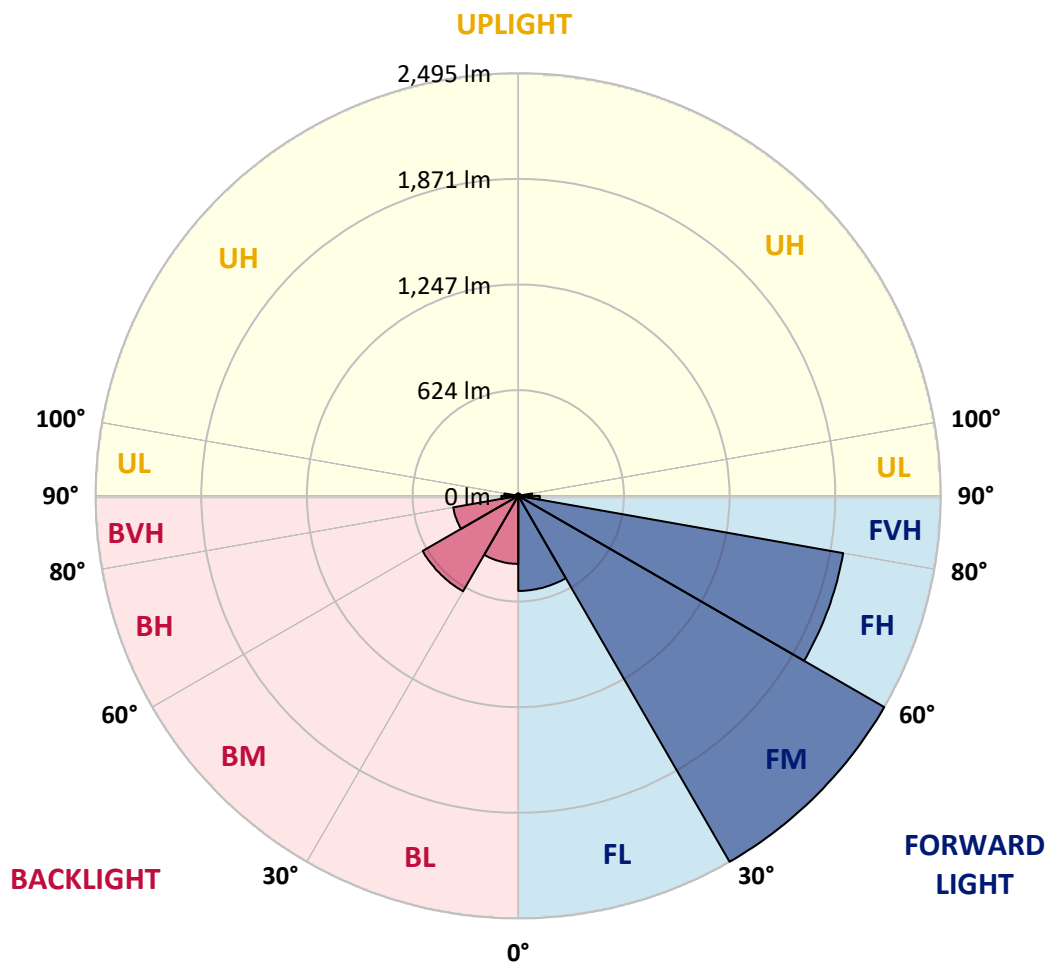
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	561.3	8.3			
FM	(30°-60°)	2494.6	36.8			
FH	(60°-80°)	1947.9	28.8			G2/5000
FVH	(80°-90°)	127.1	1.9			G2/225
BL	(0°-30°)	401.9	5.9	B1/500		
BM	(30°-60°)	651.4	9.6	B1/1000		
BH	(60°-80°)	390.0	5.8	B1/500		G1/500
BVH	(80°-90°)	100.1	1.5			G2/225
UL	(90°-100°)	82.2	1.2		U3/500	
UH	(100°-180°)	13.6	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°	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0
2.5°	1007.2	1007.2	1004.9	1004.9	1007.2	1009.4	1007.2	1004.9	1007.2	1009.4	1016.0
5°	1047.1	1044.9	1042.6	1033.8	1024.9	1018.2	1013.8	1011.6	1013.8	1022.7	1038.2
7.5°	1073.7	1071.5	1071.5	1069.3	1060.4	1042.6	1031.6	1029.3	1029.3	1031.6	1051.5
10°	1129.2	1124.7	1115.9	1100.3	1091.5	1069.3	1049.3	1044.9	1044.9	1049.3	1073.7
12.5°	1189.1	1180.2	1182.4	1164.7	1138.0	1113.6	1084.8	1073.7	1069.3	1073.7	1087.0
15°	1271.1	1264.5	1246.7	1226.8	1200.2	1166.9	1131.4	1113.6	1111.4	1118.1	1107.0
17.5°	1331.0	1322.2	1324.4	1295.5	1273.4	1229.0	1195.7	1162.4	1162.4	1171.3	1142.5
20°	1393.2	1388.7	1395.4	1388.7	1355.4	1315.5	1266.7	1226.8	1220.1	1224.6	1182.4
22.5°	1473.0	1466.4	1466.4	1468.6	1442.0	1402.0	1344.3	1304.4	1302.2	1284.5	1226.8
25°	1555.1	1548.4	1546.2	1550.7	1546.2	1499.6	1439.7	1399.8	1393.2	1368.8	1286.7
27.5°	1632.7	1632.7	1635.0	1639.4	1646.1	1608.3	1550.7	1506.3	1506.3	1479.7	1366.5
30°	1690.4	1690.4	1710.4	1719.3	1725.9	1717.0	1654.9	1612.8	1617.2	1581.7	1457.5
32.5°	1743.7	1745.9	1768.1	1790.2	1796.9	1803.6	1750.3	1723.7	1723.7	1690.4	1555.1
35°	1796.9	1796.9	1828.0	1872.3	1894.5	1887.9	1863.5	1854.6	1856.8	1850.1	1699.3
37.5°	1839.1	1843.5	1890.1	1945.5	1976.6	1987.7	1974.4	2003.2	2029.8	2049.8	1887.9
40°	1881.2	1881.2	1925.6	1985.5	2040.9	2072.0	2089.7	2198.4	2218.4	2225.1	1994.3
42.5°	1836.8	1847.9	1941.1	2029.8	2100.8	2154.1	2233.9	2395.9	2420.3	2344.8	2138.5
45°	1794.7	1808.0	1901.2	2049.8	2151.8	2258.3	2395.9	2560.0	2580.0	2466.9	2225.1
47.5°	1752.5	1768.1	1870.1	2032.1	2198.4	2373.7	2522.3	2704.2	2713.1	2566.7	2322.7
50°	1708.2	1723.7	1832.4	2012.1	2227.3	2491.3	2648.8	2835.1	2835.1	2655.4	2380.3
52.5°	1652.7	1670.5	1781.4	1981.0	2249.5	2571.1	2764.1	2930.5	2912.8	2761.9	2444.7
55°	1581.7	1606.1	1723.7	1936.7	2258.3	2613.3	2837.3	3023.7	3019.2	2892.8	2526.8
57.5°	1506.3	1526.3	1652.7	1879.0	2249.5	2642.1	2915.0	3185.6	3192.3	3005.9	2591.1
60°	1422.0	1435.3	1557.3	1799.1	2191.8	2693.1	3090.2	3358.7	3367.5	3110.2	2615.5
62.5°	1311.1	1319.9	1435.3	1690.4	2114.1	2726.4	3216.7	3516.2	3511.7	3203.4	2619.9
65°	1171.3	1182.4	1291.1	1546.2	1998.8	2704.2	3247.7	3584.9	3589.4	3247.7	2613.3
67.5°	1036.0	1042.6	1133.6	1355.4	1812.4	2597.7	3216.7	3624.9	3644.8	3285.4	2548.9
70°	856.3	858.5	938.4	1135.8	1555.1	2393.7	3154.6	3649.3	3638.2	3241.1	2438.0
72.5°	658.9	661.1	721.0	869.6	1209.0	2038.7	2934.9	3443.0	3423.0	2997.1	2198.4
75°	468.1	477.0	512.4	610.1	809.7	1488.5	2511.2	3048.1	3061.4	2666.5	1832.4
77.5°	266.2	275.1	303.9	381.6	465.9	834.1	1896.7	2542.3	2551.2	2242.8	1406.5
80°	115.4	117.6	128.7	181.9	248.5	399.3	971.7	1781.4	1910.0	1524.0	803.1
82.5°	97.6	97.6	102.0	106.5	108.7	181.9	377.1	552.4	570.1	450.3	261.8
85°	84.3	84.3	88.7	93.2	95.4	124.2	228.5	277.3	288.4	257.3	184.1
87.5°	66.6	66.6	73.2	77.6	77.6	102.0	170.8	206.3	213.0	206.3	164.2
90°	59.9	59.9	57.7	57.7	59.9	73.2	133.1	173.0	179.7	219.6	188.6
92.5°	51.0	53.2	53.2	53.2	46.6	53.2	95.4	153.1	166.4	217.4	170.8
95°	51.0	48.8	48.8	46.6	44.4	46.6	71.0	133.1	148.6	188.6	144.2
97.5°	35.5	33.3	35.5	37.7	39.9	42.1	59.9	97.6	108.7	146.4	106.5
100°	22.2	22.2	22.2	22.2	26.6	28.8	48.8	59.9	66.6	93.2	71.0
102.5°	13.3	11.1	11.1	11.1	13.3	17.7	24.4	33.3	35.5	53.2	42.1
105°	4.4	4.4	4.4	4.4	6.7	8.9	8.9	13.3	13.3	17.7	17.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2



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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	2.2	2.2
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	2.2
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	0.0	2.2	2.2
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.2	2.2	2.2	2.2
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°	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0	1016.0
2.5°	1020.5	1024.9	1033.8	1044.9	1058.2	1069.3	1078.1	1080.4	1084.8	1084.8	1089.2
5°	1042.6	1051.5	1064.8	1080.4	1087.0	1082.6	1082.6	1084.8	1089.2	1100.3	1104.8
7.5°	1067.0	1073.7	1073.7	1080.4	1093.7	1089.2	1087.0	1084.8	1084.8	1080.4	1087.0
10°	1075.9	1067.0	1078.1	1075.9	1071.5	1080.4	1082.6	1069.3	1071.5	1071.5	1073.7
12.5°	1078.1	1078.1	1069.3	1069.3	1069.3	1049.3	1044.9	1056.0	1044.9	1049.3	1047.1
15°	1102.5	1084.8	1073.7	1060.4	1042.6	1036.0	1020.5	1002.7	1002.7	1007.2	1007.2
17.5°	1120.3	1102.5	1069.3	1033.8	1027.1	996.1	985.0	980.5	978.3	980.5	985.0
20°	1146.9	1120.3	1064.8	1029.3	971.7	960.6	940.6	938.4	933.9	918.4	914.0
22.5°	1182.4	1140.3	1062.6	991.6	945.0	907.3	871.8	849.6	847.4	836.3	829.7
25°	1222.3	1180.2	1071.5	973.9	896.2	840.8	811.9	760.9	736.5	745.4	740.9
27.5°	1304.4	1226.8	1087.0	949.5	856.3	769.8	703.2	672.2	641.1	641.1	645.6
30°	1379.8	1286.7	1087.0	927.3	789.7	685.5	599.0	550.2	536.9	528.0	523.5
32.5°	1493.0	1362.1	1133.6	896.2	727.6	576.8	479.2	421.5	423.7	432.6	430.4
35°	1623.9	1481.9	1146.9	851.9	636.7	468.1	370.5	339.4	357.2	361.6	361.6
37.5°	1781.4	1628.3	1206.8	816.4	541.3	346.1	292.8	279.5	295.0	292.8	301.7
40°	1867.9	1699.3	1257.8	772.0	414.8	255.1	226.3	217.4	241.8	261.8	266.2
42.5°	1989.9	1783.6	1306.6	687.7	281.7	186.3	173.0	201.9	237.4	259.6	261.8
45°	2056.5	1832.4	1286.7	583.4	179.7	150.9	168.6	204.1	241.8	264.0	266.2
47.5°	2136.3	1896.7	1251.2	454.8	144.2	148.6	170.8	208.5	248.5	268.4	268.4
50°	2216.2	1961.1	1164.7	357.2	135.3	146.4	175.3	210.7	246.2	259.6	259.6
52.5°	2262.8	2016.5	1062.6	259.6	133.1	146.4	177.5	213.0	244.0	250.7	250.7
55°	2304.9	2021.0	973.9	193.0	130.9	148.6	179.7	217.4	246.2	252.9	250.7
57.5°	2329.3	1992.1	911.8	166.4	128.7	148.6	181.9	221.8	264.0	279.5	275.1
60°	2316.0	1947.8	865.2	155.3	126.4	148.6	184.1	235.2	335.0	361.6	352.7
62.5°	2293.8	1916.7	767.6	142.0	122.0	148.6	186.3	266.2	372.7	386.0	374.9
65°	2265.0	1825.7	656.6	128.7	117.6	146.4	188.6	288.4	354.9	354.9	352.7
67.5°	2145.2	1703.7	490.3	115.4	110.9	146.4	193.0	284.0	341.6	370.5	370.5
70°	1985.5	1499.6	323.9	102.0	104.3	142.0	201.9	288.4	352.7	392.7	388.2
72.5°	1681.5	1244.5	179.7	88.7	95.4	139.8	201.9	306.1	381.6	425.9	419.3
75°	1373.2	920.6	128.7	79.9	86.5	135.3	204.1	317.2	408.2	454.8	443.7
77.5°	967.2	528.0	102.0	68.8	77.6	128.7	201.9	312.8	421.5	463.6	450.3
80°	408.2	190.8	84.3	62.1	66.6	115.4	186.3	299.5	421.5	490.3	483.6
82.5°	184.1	135.3	73.2	55.5	62.1	95.4	173.0	288.4	408.2	492.5	532.4
85°	144.2	110.9	62.1	48.8	55.5	91.0	155.3	275.1	390.4	454.8	499.1
87.5°	137.5	110.9	55.5	44.4	51.0	77.6	119.8	255.1	350.5	419.3	454.8
90°	148.6	115.4	44.4	37.7	46.6	68.8	97.6	215.2	303.9	368.3	368.3
92.5°	137.5	106.5	33.3	28.8	48.8	55.5	93.2	133.1	219.6	184.1	228.5
95°	115.4	88.7	22.2	20.0	46.6	46.6	51.0	62.1	153.1	4.4	0.0
97.5°	84.3	64.3	13.3	11.1	35.5	37.7	24.4	28.8	62.1	0.0	0.0
100°	62.1	42.1	8.9	8.9	22.2	31.1	15.5	15.5	0.0	0.0	0.0
102.5°	33.3	22.2	6.7	4.4	11.1	17.7	6.7	4.4	0.0	0.0	0.0
105°	17.7	8.9	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
107.5°	4.4	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C018-D-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
122.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
130°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
132.5°	2.2	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0
135°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.2	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.2	2.2	2.2	2.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.2	2.2	2.2	2.2	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)