

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: P691719

Luminaire Tested: **CRTK2-C018-D-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691719
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-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6122 lumens
Efficiency: N/A
Efficacy: 121.5 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

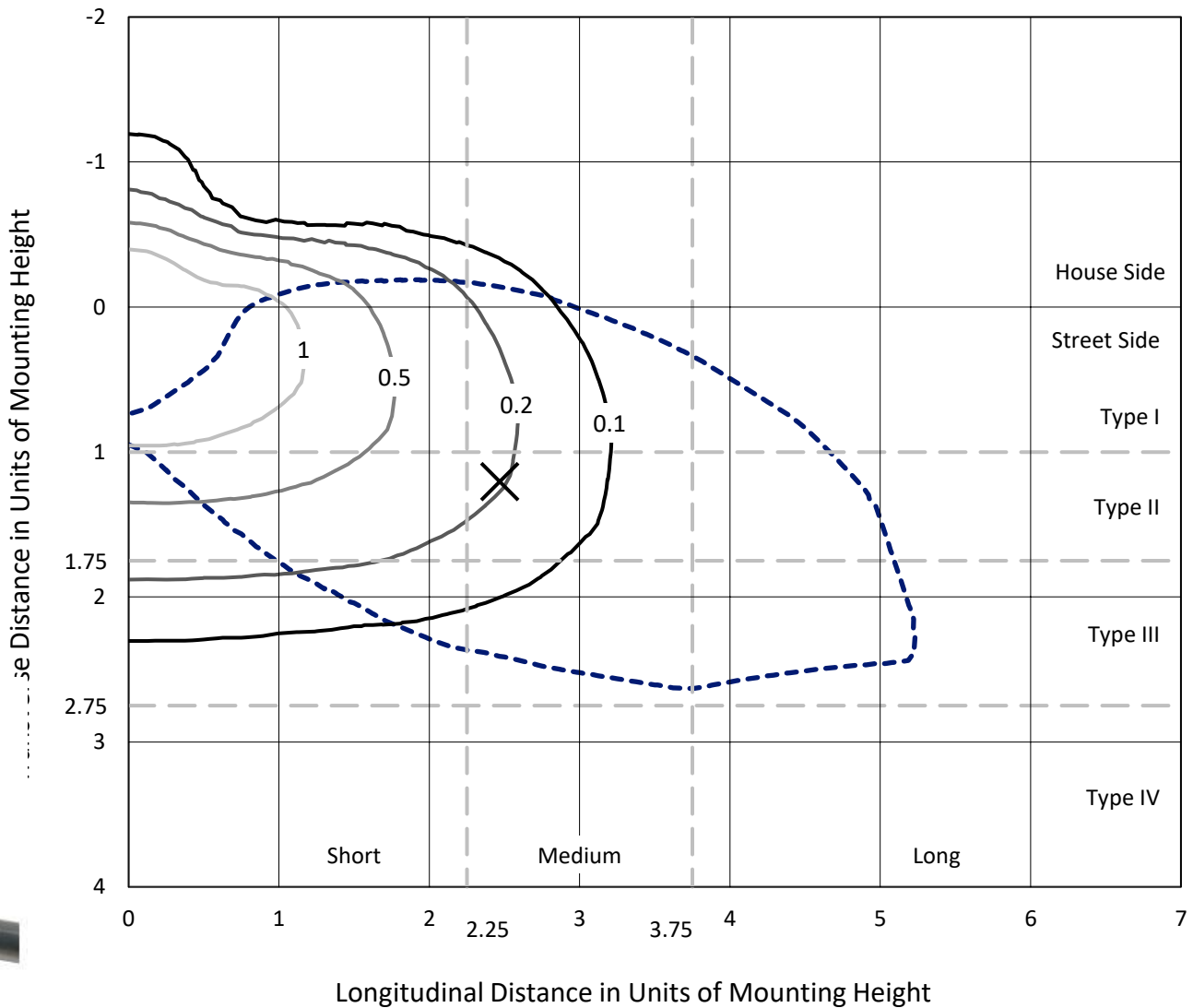


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

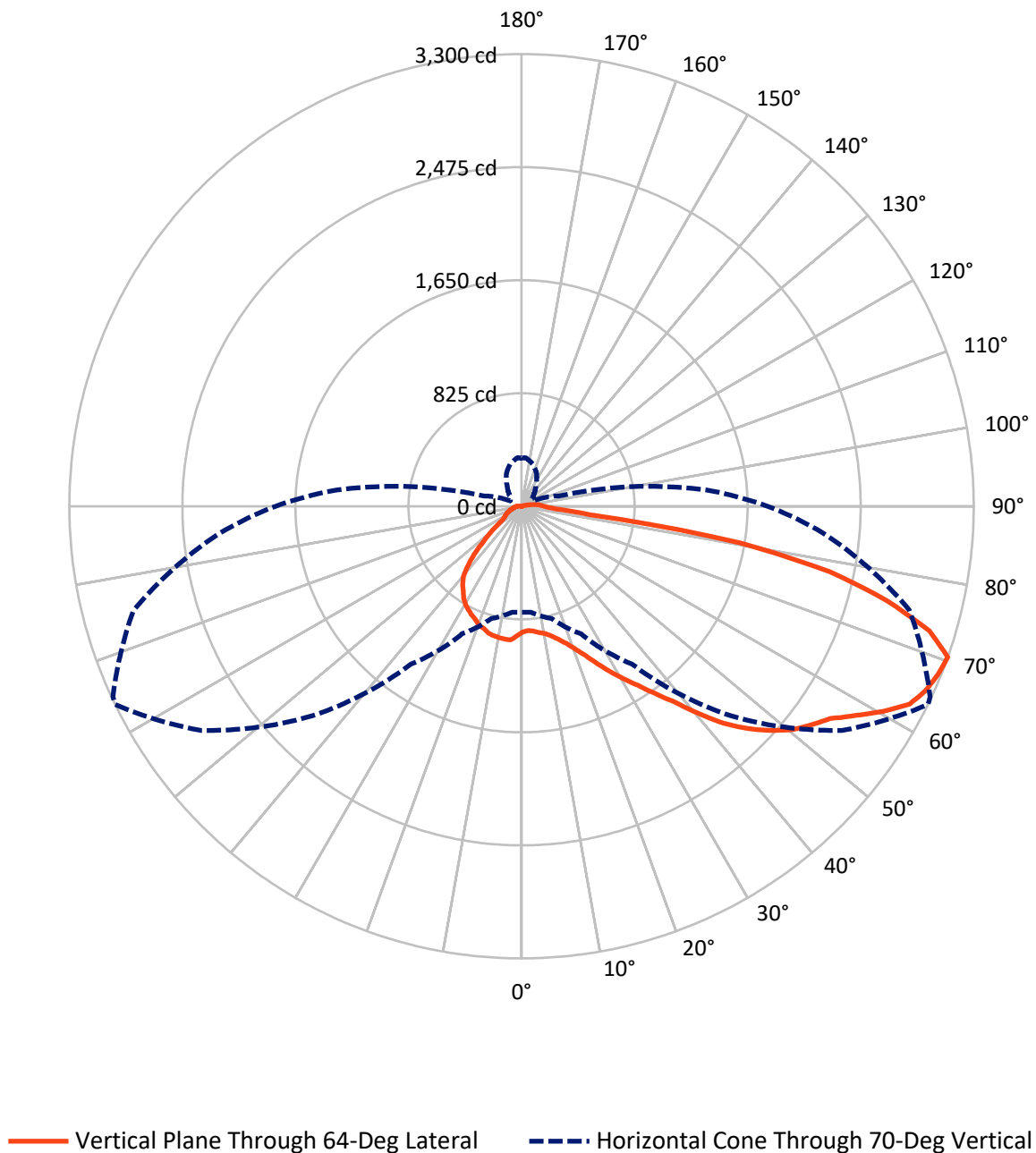


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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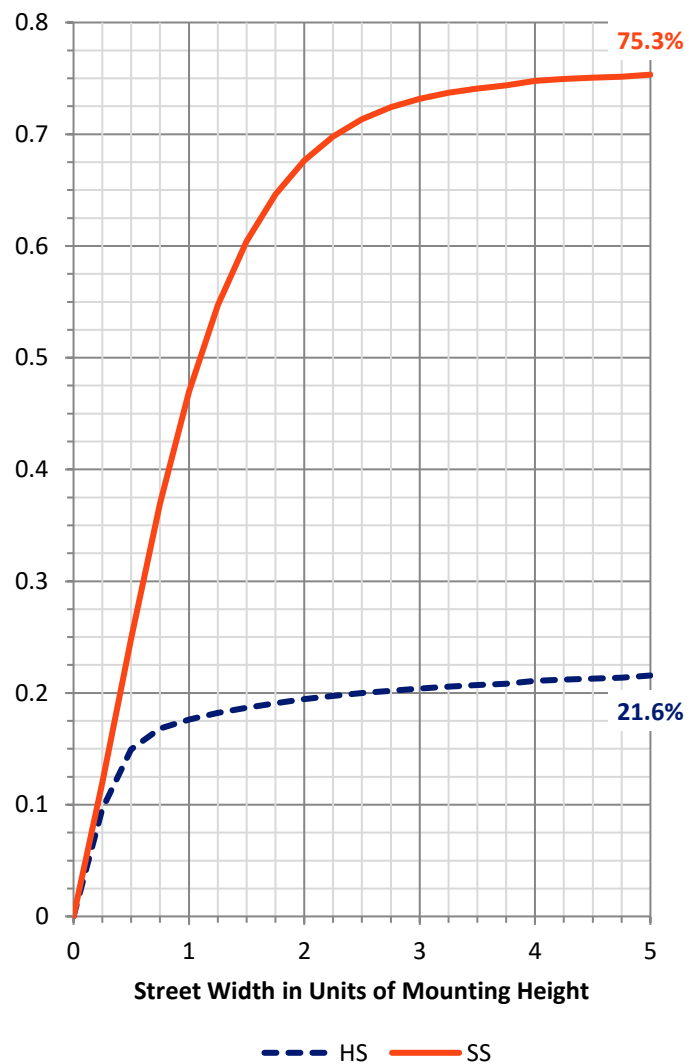
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1395.6	37.8	1433.4
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	4639.7	48.8	4688.6
	% Fixture	75.8	0.8	76.6
Total	Lumens	6035.4	86.6	6122.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.5	1.5
10°-20°	285.0	4.7
20°-30°	494.5	8.1
30°-40°	717.6	11.7
40°-50°	963.0	15.7
50°-60°	1164.3	19.0
60°-70°	1253.3	20.5
70°-80°	860.8	14.1
80°-90°	205.4	3.4
90°-100°	74.3	1.2
100°-110°	9.3	0.2
110°-120°	0.7	0.0
120°-130°	0.6	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°	6035.4	98.6
0°-180°	6122.0	100.0

Coefficient of Utilization



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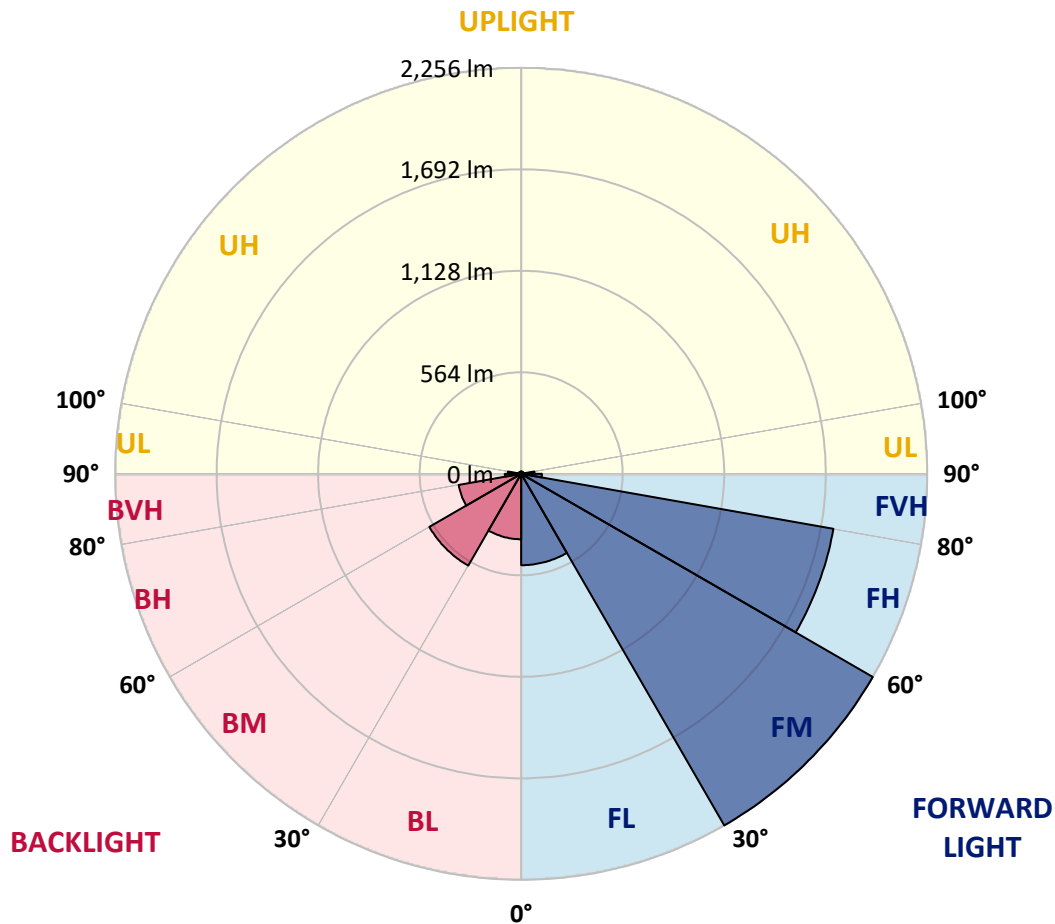
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	507.6	8.3			
FM	(30°-60°)	2255.8	36.8			
FH	(60°-80°)	1761.4	28.8			G1/1800
FVH	(80°-90°)	114.9	1.9			G2/225
BL	(0°-30°)	363.5	5.9	B1/500		
BM	(30°-60°)	589.0	9.6	B1/1000		
BH	(60°-80°)	352.7	5.8	B1/500		G1/500
BVH	(80°-90°)	90.5	1.5			G1/100
UL	(90°-100°)	74.3	1.2		U3/500	
UH	(100°-180°)	12.3	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°	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8
2.5°	910.8	910.8	908.7	908.7	910.8	912.8	910.8	908.7	910.8	912.8	918.8
5°	946.9	944.9	942.8	934.8	926.8	920.8	916.8	914.8	916.8	924.8	938.8
7.5°	970.9	968.9	968.9	966.9	958.9	942.8	932.8	930.8	930.8	932.8	950.9
10°	1021.1	1017.1	1009.0	995.0	987.0	966.9	948.9	944.9	944.9	948.9	970.9
12.5°	1075.2	1067.2	1069.2	1053.2	1029.1	1007.0	981.0	970.9	966.9	970.9	983.0
15°	1149.5	1143.5	1127.4	1109.4	1085.3	1055.2	1023.1	1007.0	1005.0	1011.1	1001.0
17.5°	1203.6	1195.6	1197.6	1171.5	1151.5	1111.4	1081.3	1051.2	1051.2	1059.2	1033.1
20°	1259.8	1255.8	1261.8	1255.8	1225.7	1189.6	1145.5	1109.4	1103.3	1107.3	1069.2
22.5°	1332.0	1326.0	1326.0	1328.0	1303.9	1267.8	1215.7	1179.6	1177.6	1161.5	1109.4
25°	1406.2	1400.2	1398.2	1402.2	1398.2	1356.1	1301.9	1265.8	1259.8	1237.7	1163.5
27.5°	1476.5	1476.5	1478.5	1482.5	1488.5	1454.4	1402.2	1362.1	1362.1	1338.0	1235.7
30°	1528.6	1528.6	1546.7	1554.7	1560.7	1552.7	1496.5	1458.4	1462.4	1430.3	1318.0
32.5°	1576.8	1578.8	1598.8	1618.9	1624.9	1630.9	1582.8	1558.7	1558.7	1528.6	1406.2
35°	1624.9	1624.9	1653.0	1693.1	1713.2	1707.2	1685.1	1677.1	1679.1	1673.1	1536.6
37.5°	1663.0	1667.0	1709.2	1759.3	1787.4	1797.4	1785.4	1811.5	1835.5	1853.6	1707.2
40°	1701.1	1701.1	1741.3	1795.4	1845.6	1873.7	1889.7	1988.0	2006.1	2012.1	1803.4
42.5°	1661.0	1671.0	1755.3	1835.5	1899.7	1947.9	2020.1	2166.5	2188.6	2120.4	1933.8
45°	1622.9	1634.9	1719.2	1853.6	1945.9	2042.2	2166.5	2315.0	2333.0	2230.7	2012.1
47.5°	1584.8	1598.8	1691.1	1837.6	1988.0	2146.5	2280.9	2445.4	2453.4	2321.0	2100.3
50°	1544.7	1558.7	1657.0	1819.5	2014.1	2252.8	2395.2	2563.7	2563.7	2401.3	2152.5
52.5°	1494.5	1510.6	1610.9	1791.4	2034.1	2325.0	2499.6	2650.0	2634.0	2497.5	2210.7
55°	1430.3	1452.4	1558.7	1751.3	2042.2	2363.1	2565.8	2734.3	2730.2	2615.9	2284.9
57.5°	1362.1	1380.2	1494.5	1699.1	2034.1	2389.2	2636.0	2880.7	2886.7	2718.2	2343.1
60°	1285.9	1297.9	1408.3	1626.9	1982.0	2435.4	2794.4	3037.2	3045.2	2812.5	2365.1
62.5°	1185.6	1193.6	1297.9	1528.6	1911.8	2465.4	2908.8	3179.6	3175.6	2896.8	2369.2
65°	1059.2	1069.2	1167.5	1398.2	1807.5	2445.4	2936.9	3241.8	3245.8	2936.9	2363.1
67.5°	936.8	942.8	1025.1	1225.7	1639.0	2349.1	2908.8	3277.9	3296.0	2971.0	2305.0
70°	774.3	776.3	848.6	1027.1	1406.2	2164.5	2852.6	3300.0	3289.9	2930.9	2204.7
72.5°	595.8	597.8	652.0	786.4	1093.3	1843.6	2654.0	3113.4	3095.4	2710.2	1988.0
75°	423.3	431.3	463.4	551.7	732.2	1346.1	2270.9	2756.3	2768.4	2411.3	1657.0
77.5°	240.7	248.8	274.8	345.0	421.3	754.3	1715.2	2298.9	2307.0	2028.1	1271.8
80°	104.3	106.3	116.4	164.5	224.7	361.1	878.7	1610.9	1727.2	1378.2	726.2
82.5°	88.3	88.3	92.3	96.3	98.3	164.5	341.0	499.5	515.6	407.2	236.7
85°	76.2	76.2	80.2	84.3	86.3	112.3	206.6	250.8	260.8	232.7	166.5
87.5°	60.2	60.2	66.2	70.2	70.2	92.3	154.5	186.6	192.6	186.6	148.4
90°	54.2	54.2	52.2	52.2	54.2	66.2	120.4	156.5	162.5	198.6	170.5
92.5°	46.1	48.1	48.1	48.1	42.1	48.1	86.3	138.4	150.5	196.6	154.5
95°	46.1	44.1	44.1	42.1	40.1	42.1	64.2	120.4	134.4	170.5	130.4
97.5°	32.1	30.1	32.1	34.1	36.1	38.1	54.2	88.3	98.3	132.4	96.3
100°	20.1	20.1	20.1	20.1	24.1	26.1	44.1	54.2	60.2	84.3	64.2
102.5°	12.0	10.0	10.0	10.0	12.0	16.0	22.1	30.1	32.1	48.1	38.1
105°	4.0	4.0	4.0	4.0	6.0	8.0	8.0	12.0	12.0	16.0	16.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0



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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	2.0	2.0
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	0.0	2.0	2.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.0	2.0	2.0	2.0
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°	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8	918.8
2.5°	922.8	926.8	934.8	944.9	956.9	966.9	974.9	977.0	981.0	981.0	985.0
5°	942.8	950.9	962.9	977.0	983.0	979.0	979.0	981.0	985.0	995.0	999.0
7.5°	964.9	970.9	970.9	977.0	989.0	985.0	983.0	981.0	981.0	977.0	983.0
10°	972.9	964.9	974.9	972.9	968.9	977.0	979.0	966.9	968.9	968.9	970.9
12.5°	974.9	974.9	966.9	966.9	966.9	948.9	944.9	954.9	944.9	948.9	946.9
15°	997.0	981.0	970.9	958.9	942.8	936.8	922.8	906.7	906.7	910.8	910.8
17.5°	1013.1	997.0	966.9	934.8	928.8	900.7	890.7	886.7	884.7	886.7	890.7
20°	1037.1	1013.1	962.9	930.8	878.7	868.6	850.6	848.6	844.6	830.5	826.5
22.5°	1069.2	1031.1	960.9	896.7	854.6	820.5	788.4	768.3	766.3	756.3	750.3
25°	1105.3	1067.2	968.9	880.7	810.4	760.3	734.2	688.1	666.0	674.0	670.0
27.5°	1179.6	1109.4	983.0	858.6	774.3	696.1	635.9	607.8	579.8	579.8	583.8
30°	1247.8	1163.5	983.0	838.5	714.2	619.9	541.6	497.5	485.5	477.4	473.4
32.5°	1350.1	1231.7	1025.1	810.4	658.0	521.6	433.3	381.2	383.2	391.2	389.2
35°	1468.4	1340.0	1037.1	770.3	575.7	423.3	335.0	306.9	323.0	327.0	327.0
37.5°	1610.9	1472.4	1091.3	738.2	489.5	312.9	264.8	252.8	266.8	264.8	272.8
40°	1689.1	1536.6	1137.4	698.1	375.1	230.7	204.6	196.6	218.7	236.7	240.7
42.5°	1799.4	1612.9	1181.6	621.9	254.8	168.5	156.5	182.6	214.6	234.7	236.7
45°	1859.6	1657.0	1163.5	527.6	162.5	136.4	152.5	184.6	218.7	238.7	240.7
47.5°	1931.8	1715.2	1131.4	411.2	130.4	134.4	154.5	188.6	224.7	242.7	242.7
50°	2004.1	1773.4	1053.2	323.0	122.4	132.4	158.5	190.6	222.7	234.7	234.7
52.5°	2046.2	1823.5	960.9	234.7	120.4	132.4	160.5	192.6	220.7	226.7	226.7
55°	2084.3	1827.5	880.7	174.5	118.4	134.4	162.5	196.6	222.7	228.7	226.7
57.5°	2106.4	1801.4	824.5	150.5	116.4	134.4	164.5	200.6	238.7	252.8	248.8
60°	2094.3	1761.3	782.4	140.4	114.3	134.4	166.5	212.6	302.9	327.0	319.0
62.5°	2074.3	1733.2	694.1	128.4	110.3	134.4	168.5	240.7	337.0	349.1	339.0
65°	2048.2	1651.0	593.8	116.4	106.3	132.4	170.5	260.8	321.0	321.0	319.0
67.5°	1939.9	1540.7	443.3	104.3	100.3	132.4	174.5	256.8	308.9	335.0	335.0
70°	1795.4	1356.1	292.9	92.3	94.3	128.4	182.6	260.8	319.0	355.1	351.1
72.5°	1520.6	1125.4	162.5	80.2	86.3	126.4	182.6	276.8	345.0	385.2	379.1
75°	1241.8	832.5	116.4	72.2	78.2	122.4	184.6	286.9	369.1	411.2	401.2
77.5°	874.6	477.4	92.3	62.2	70.2	116.4	182.6	282.9	381.2	419.3	407.2
80°	369.1	172.5	76.2	56.2	60.2	104.3	168.5	270.8	381.2	443.3	437.3
82.5°	166.5	122.4	66.2	50.2	56.2	86.3	156.5	260.8	369.1	445.3	481.5
85°	130.4	100.3	56.2	44.1	50.2	82.2	140.4	248.8	353.1	411.2	451.4
87.5°	124.4	100.3	50.2	40.1	46.1	70.2	108.3	230.7	317.0	379.1	411.2
90°	134.4	104.3	40.1	34.1	42.1	62.2	88.3	194.6	274.8	333.0	333.0
92.5°	124.4	96.3	30.1	26.1	44.1	50.2	84.3	120.4	198.6	166.5	206.6
95°	104.3	80.2	20.1	18.1	42.1	42.1	46.1	56.2	138.4	4.0	0.0
97.5°	76.2	58.2	12.0	10.0	32.1	34.1	22.1	26.1	56.2	0.0	0.0
100°	56.2	38.1	8.0	8.0	20.1	28.1	14.0	14.0	0.0	0.0	0.0
102.5°	30.1	20.1	6.0	4.0	10.0	16.0	6.0	4.0	0.0	0.0	0.0
105°	16.0	8.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
107.5°	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691719

CATALOG NUMBER: CRTK2-C018-D-U-T3-8027

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	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.0	2.0	2.0	2.0	2.0	0.0	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	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
130°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.0	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0
135°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.0	2.0	2.0	2.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.0	2.0	2.0	2.0	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

(END OF REPORT)