

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: P691235

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691235
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-C015-5TLD-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: 4829 lumens
Efficiency: N/A
Efficacy: 147.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G1

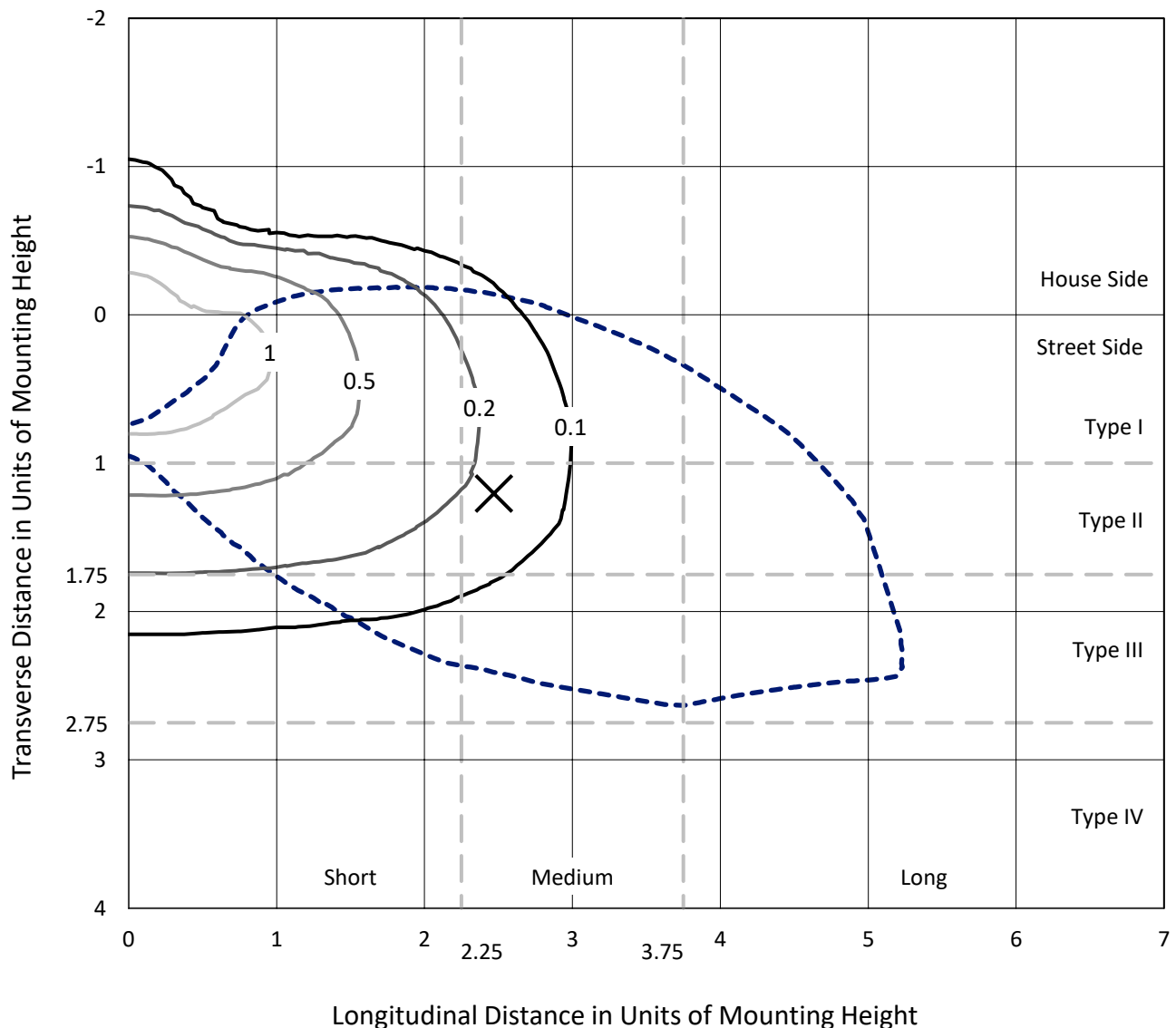
Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

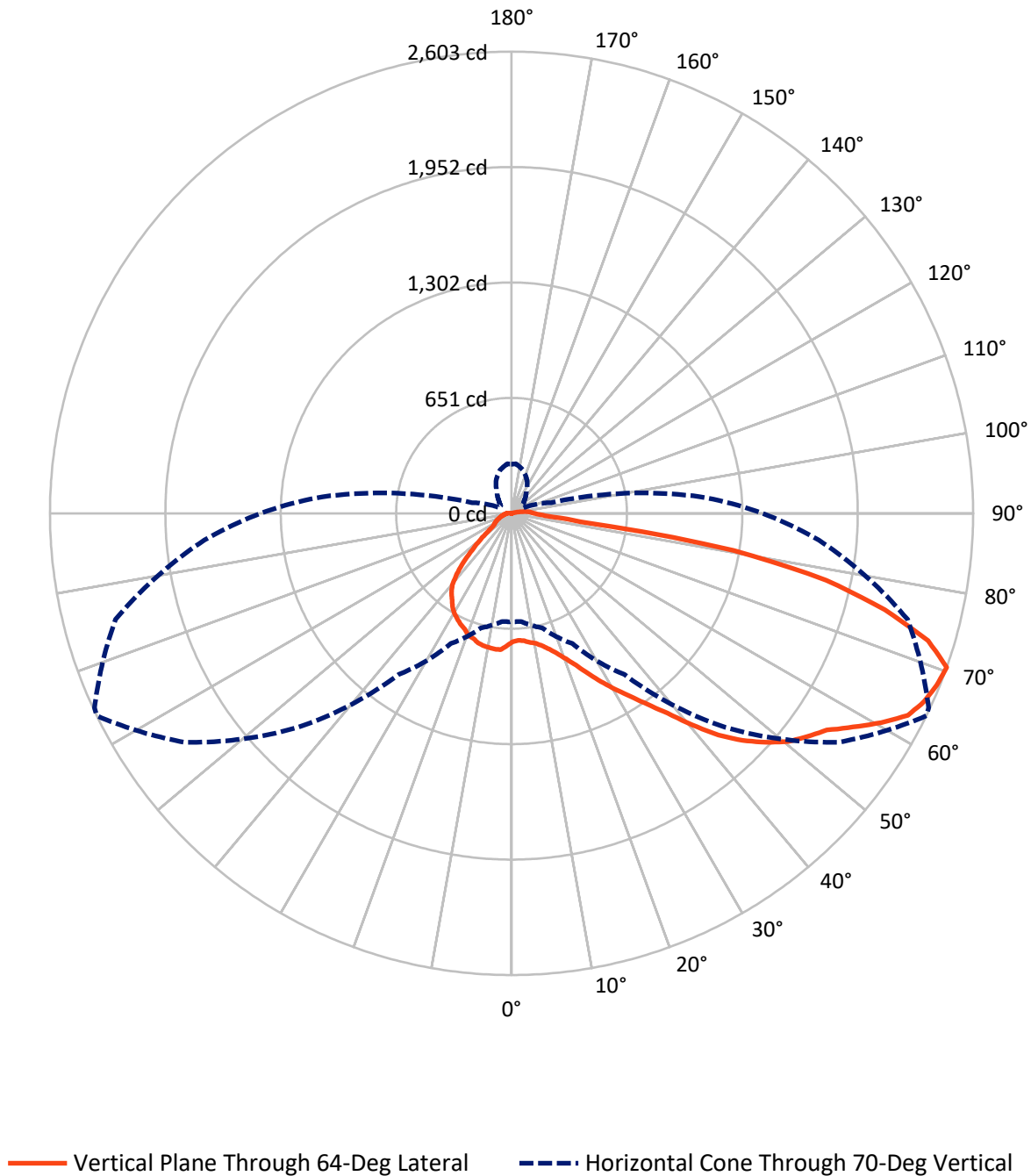
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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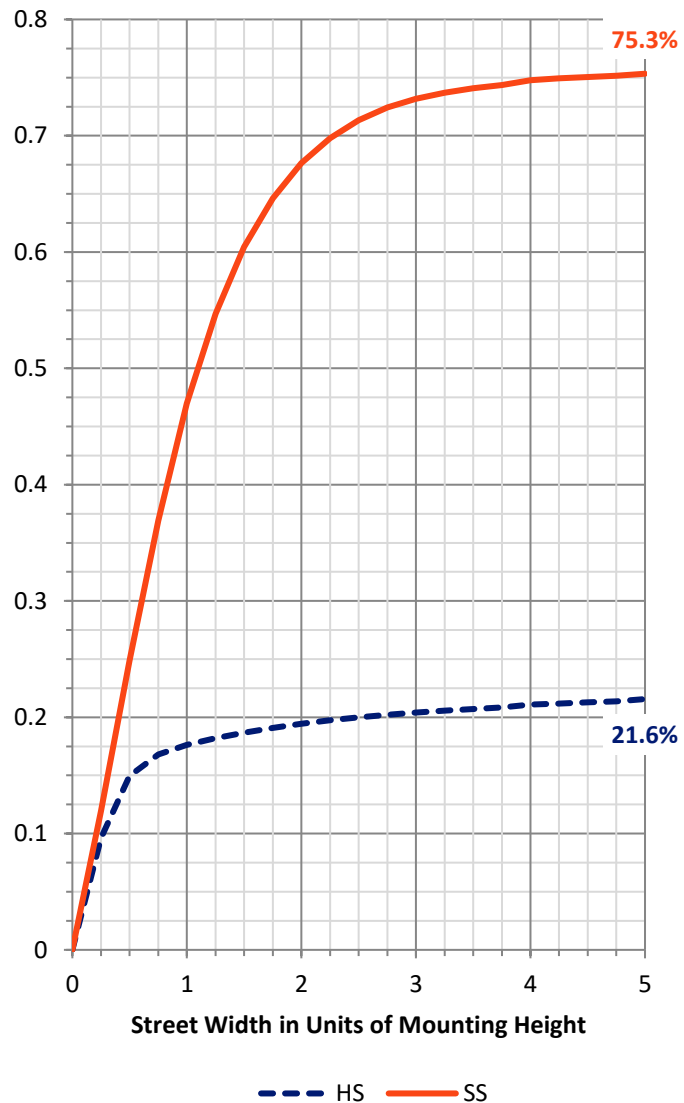
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1100.9	29.8	1130.7
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3659.8	38.5	3698.3
	% Fixture	75.8	0.8	76.6
Total	Lumens	4760.7	68.4	4829.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	1.5
10°-20°	224.8	4.7
20°-30°	390.0	8.1
30°-40°	566.0	11.7
40°-50°	759.6	15.7
50°-60°	918.4	19.0
60°-70°	988.6	20.5
70°-80°	679.0	14.1
80°-90°	162.0	3.4
90°-100°	58.6	1.2
100°-110°	7.4	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.4	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	4760.7	98.6
0°-180°	4829.0	100.0

Coefficient of Utilization



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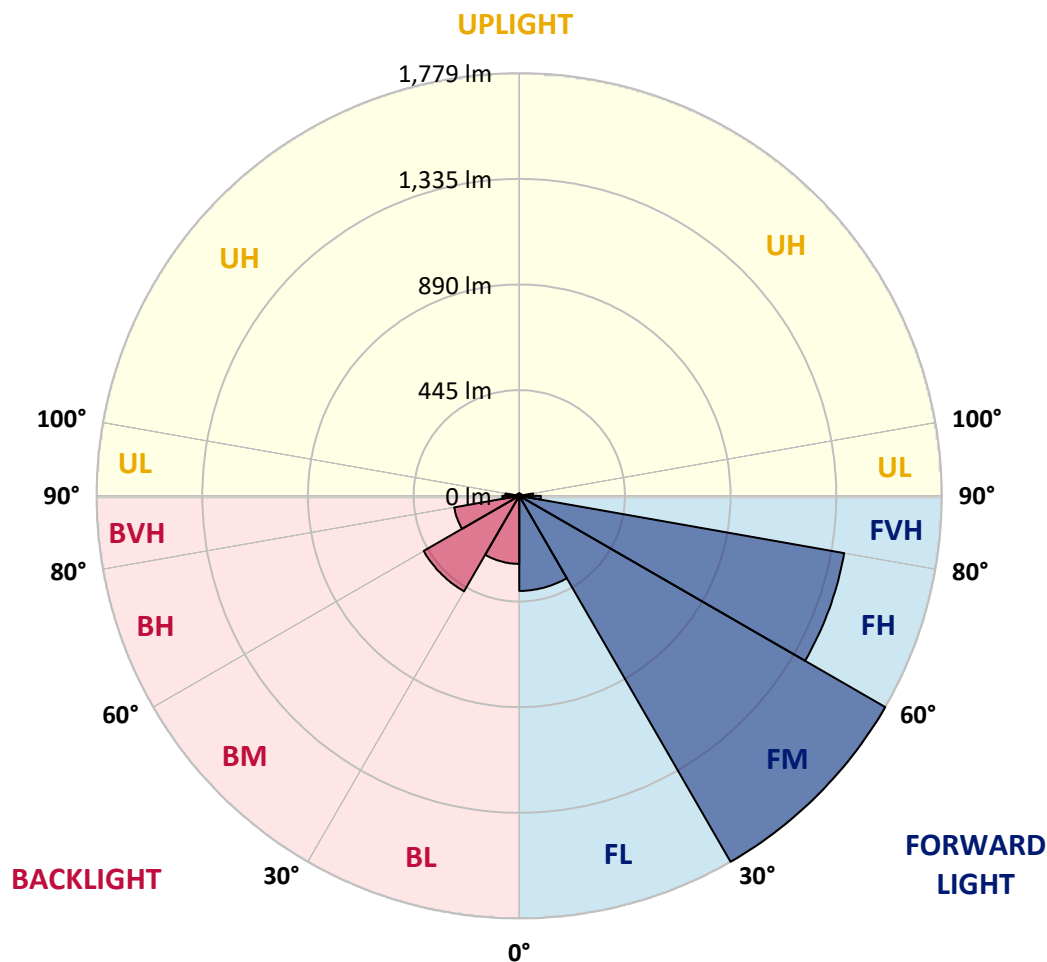
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	400.4	8.3			
FM	(30°-60°)	1779.4	36.8			
FH	(60°-80°)	1389.4	28.8			G1/1800
FVH	(80°-90°)	90.6	1.9			G1/100
BL	(0°-30°)	286.7	5.9	B1/500		
BM	(30°-60°)	464.6	9.6	B1/1000		
BH	(60°-80°)	278.2	5.8	B1/500		G1/500
BVH	(80°-90°)	71.4	1.5			G1/100
UL	(90°-100°)	58.6	1.2		U3/500	
UH	(100°-180°)	9.7	0.2		U1/10	

BUG Rating: B1-U3-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	718.4	718.4	716.8	716.8	718.4	720.0	718.4	716.8	718.4	720.0	724.7
5°	746.9	745.3	743.7	737.4	731.1	726.3	723.1	721.6	723.1	729.5	740.5
7.5°	765.9	764.3	764.3	762.7	756.4	743.7	735.8	734.2	734.2	735.8	750.0
10°	805.4	802.3	795.9	784.9	778.5	762.7	748.5	745.3	745.3	748.5	765.9
12.5°	848.1	841.8	843.4	830.7	811.8	794.3	773.8	765.9	762.7	765.9	775.4
15°	906.7	902.0	889.3	875.1	856.1	832.3	807.0	794.3	792.8	797.5	789.6
17.5°	949.4	943.1	944.7	924.1	908.3	876.6	852.9	829.2	829.2	835.5	814.9
20°	993.7	990.6	995.3	990.6	966.8	938.3	903.5	875.1	870.3	873.5	843.4
22.5°	1050.7	1045.9	1045.9	1047.5	1028.5	1000.1	958.9	930.4	928.9	916.2	875.1
25°	1109.2	1104.5	1102.9	1106.1	1102.9	1069.7	1027.0	998.5	993.7	976.3	917.8
27.5°	1164.6	1164.6	1166.2	1169.4	1174.1	1147.2	1106.1	1074.4	1074.4	1055.4	974.7
30°	1205.8	1205.8	1220.0	1226.3	1231.1	1224.8	1180.4	1150.4	1153.5	1128.2	1039.6
32.5°	1243.7	1245.3	1261.1	1277.0	1281.7	1286.5	1248.5	1229.5	1229.5	1205.8	1109.2
35°	1281.7	1281.7	1303.9	1335.5	1351.3	1346.6	1329.2	1322.9	1324.4	1319.7	1212.1
37.5°	1311.8	1314.9	1348.2	1387.7	1409.9	1417.8	1408.3	1428.9	1447.9	1462.1	1346.6
40°	1341.8	1341.8	1373.5	1416.2	1455.8	1477.9	1490.6	1568.1	1582.4	1587.1	1422.5
42.5°	1310.2	1318.1	1384.6	1447.9	1498.5	1536.5	1593.4	1709.0	1726.4	1672.6	1525.4
45°	1280.1	1289.6	1356.1	1462.1	1534.9	1610.9	1709.0	1826.1	1840.3	1759.6	1587.1
47.5°	1250.1	1261.1	1333.9	1449.4	1568.1	1693.1	1799.2	1928.9	1935.2	1830.8	1656.7
50°	1218.4	1229.5	1307.0	1435.2	1588.7	1777.0	1889.3	2022.3	2022.3	1894.1	1697.9
52.5°	1178.9	1191.5	1270.6	1413.1	1604.5	1834.0	1971.6	2090.3	2077.7	1970.0	1743.8
55°	1128.2	1145.6	1229.5	1381.4	1610.9	1864.0	2023.8	2156.8	2153.6	2063.4	1802.3
57.5°	1074.4	1088.7	1178.9	1340.3	1604.5	1884.6	2079.2	2272.3	2277.0	2144.1	1848.2
60°	1014.3	1023.8	1110.8	1283.3	1563.4	1921.0	2204.2	2395.7	2402.0	2218.5	1865.6
62.5°	935.2	941.5	1023.8	1205.8	1508.0	1944.7	2294.4	2508.1	2504.9	2284.9	1868.8
65°	835.5	843.4	920.9	1102.9	1425.7	1928.9	2316.6	2557.1	2560.3	2316.6	1864.0
67.5°	739.0	743.7	808.6	966.8	1292.8	1853.0	2294.4	2585.6	2599.8	2343.5	1818.1
70°	610.8	612.4	669.3	810.2	1109.2	1707.4	2250.1	2603.0	2595.1	2311.8	1739.0
72.5°	470.0	471.5	514.3	620.3	862.4	1454.2	2093.5	2455.8	2441.6	2137.8	1568.1
75°	333.9	340.2	365.5	435.2	577.6	1061.8	1791.2	2174.2	2183.7	1902.0	1307.0
77.5°	189.9	196.2	216.8	272.2	332.3	595.0	1352.9	1813.4	1819.7	1599.8	1003.2
80°	82.3	83.9	91.8	129.8	177.2	284.8	693.1	1270.6	1362.4	1087.1	572.8
82.5°	69.6	69.6	72.8	76.0	77.5	129.8	269.0	394.0	406.7	321.2	186.7
85°	60.1	60.1	63.3	66.5	68.0	88.6	163.0	197.8	205.7	183.6	131.3
87.5°	47.5	47.5	52.2	55.4	55.4	72.8	121.8	147.2	151.9	147.2	117.1
90°	42.7	42.7	41.1	41.1	42.7	52.2	94.9	123.4	128.2	156.7	134.5
92.5°	36.4	38.0	38.0	38.0	33.2	38.0	68.0	109.2	118.7	155.1	121.8
95°	36.4	34.8	34.8	33.2	31.6	33.2	50.6	94.9	106.0	134.5	102.9
97.5°	25.3	23.7	25.3	26.9	28.5	30.1	42.7	69.6	77.5	104.4	76.0
100°	15.8	15.8	15.8	15.8	19.0	20.6	34.8	42.7	47.5	66.5	50.6
102.5°	9.5	7.9	7.9	7.9	9.5	12.7	17.4	23.7	25.3	38.0	30.1
105°	3.2	3.2	3.2	3.2	4.7	6.3	6.3	9.5	9.5	12.7	12.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6



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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	1.6	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	0.0	1.6	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
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°	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7	724.7
2.5°	727.9	731.1	737.4	745.3	754.8	762.7	769.0	770.6	773.8	773.8	776.9
5°	743.7	750.0	759.5	770.6	775.4	772.2	772.2	773.8	776.9	784.9	788.0
7.5°	761.1	765.9	765.9	770.6	780.1	776.9	775.4	773.8	773.8	770.6	775.4
10°	767.4	761.1	769.0	767.4	764.3	770.6	772.2	762.7	764.3	764.3	765.9
12.5°	769.0	769.0	762.7	762.7	762.7	748.5	745.3	753.2	745.3	748.5	746.9
15°	786.4	773.8	765.9	756.4	743.7	739.0	727.9	715.2	715.2	718.4	718.4
17.5°	799.1	786.4	762.7	737.4	732.6	710.5	702.6	699.4	697.8	699.4	702.6
20°	818.1	799.1	759.5	734.2	693.1	685.2	670.9	669.3	666.2	655.1	651.9
22.5°	843.4	813.3	758.0	707.3	674.1	647.2	621.9	606.0	604.5	596.6	591.8
25°	871.9	841.8	764.3	694.7	639.3	599.7	579.1	542.8	525.3	531.7	528.5
27.5°	930.4	875.1	775.4	677.3	610.8	549.1	501.6	479.5	457.3	457.3	460.5
30°	984.2	917.8	775.4	661.4	563.3	489.0	427.2	392.4	382.9	376.6	373.4
32.5°	1064.9	971.6	808.6	639.3	519.0	411.4	341.8	300.7	302.2	308.6	307.0
35°	1158.3	1057.0	818.1	607.6	454.1	333.9	264.3	242.1	254.8	257.9	257.9
37.5°	1270.6	1161.5	860.8	582.3	386.1	246.8	208.9	199.4	210.5	208.9	215.2
40°	1332.4	1212.1	897.2	550.7	295.9	182.0	161.4	155.1	172.5	186.7	189.9
42.5°	1419.4	1272.2	932.0	490.5	201.0	132.9	123.4	144.0	169.3	185.1	186.7
45°	1466.9	1307.0	917.8	416.2	128.2	107.6	120.3	145.6	172.5	188.3	189.9
47.5°	1523.8	1352.9	892.5	324.4	102.9	106.0	121.8	148.7	177.2	191.5	191.5
50°	1580.8	1398.8	830.7	254.8	96.5	104.4	125.0	150.3	175.6	185.1	185.1
52.5°	1614.0	1438.4	758.0	185.1	94.9	104.4	126.6	151.9	174.1	178.8	178.8
55°	1644.1	1441.5	694.7	137.7	93.4	106.0	128.2	155.1	175.6	180.4	178.8
57.5°	1661.5	1421.0	650.4	118.7	91.8	106.0	129.8	158.2	188.3	199.4	196.2
60°	1652.0	1389.3	617.1	110.8	90.2	106.0	131.3	167.7	238.9	257.9	251.6
62.5°	1636.2	1367.2	547.5	101.3	87.0	106.0	132.9	189.9	265.8	275.3	267.4
65°	1615.6	1302.3	468.4	91.8	83.9	104.4	134.5	205.7	253.2	253.2	251.6
67.5°	1530.2	1215.3	349.7	82.3	79.1	104.4	137.7	202.5	243.7	264.3	264.3
70°	1416.2	1069.7	231.0	72.8	74.4	101.3	144.0	205.7	251.6	280.1	276.9
72.5°	1199.4	887.7	128.2	63.3	68.0	99.7	144.0	218.4	272.2	303.8	299.1
75°	979.5	656.7	91.8	57.0	61.7	96.5	145.6	226.3	291.2	324.4	316.5
77.5°	689.9	376.6	72.8	49.1	55.4	91.8	144.0	223.1	300.7	330.7	321.2
80°	291.2	136.1	60.1	44.3	47.5	82.3	132.9	213.6	300.7	349.7	345.0
82.5°	131.3	96.5	52.2	39.6	44.3	68.0	123.4	205.7	291.2	351.3	379.8
85°	102.9	79.1	44.3	34.8	39.6	64.9	110.8	196.2	278.5	324.4	356.0
87.5°	98.1	79.1	39.6	31.6	36.4	55.4	85.4	182.0	250.0	299.1	324.4
90°	106.0	82.3	31.6	26.9	33.2	49.1	69.6	153.5	216.8	262.7	262.7
92.5°	98.1	76.0	23.7	20.6	34.8	39.6	66.5	94.9	156.7	131.3	163.0
95°	82.3	63.3	15.8	14.2	33.2	33.2	36.4	44.3	109.2	3.2	0.0
97.5°	60.1	45.9	9.5	7.9	25.3	26.9	17.4	20.6	44.3	0.0	0.0
100°	44.3	30.1	6.3	6.3	15.8	22.2	11.1	11.1	0.0	0.0	0.0
102.5°	23.7	15.8	4.7	3.2	7.9	12.7	4.7	3.2	0.0	0.0	0.0
105°	12.7	6.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
107.5°	3.2	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691235

CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	1.6	1.6	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)