

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: P691479

Luminaire Tested: **CRTK2-C016-D-U-T2-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691479
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-1)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T2-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5726 lumens
Efficiency: N/A
Efficacy: 137.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type II - Short
BUG Rating: B1 - U3 - G2

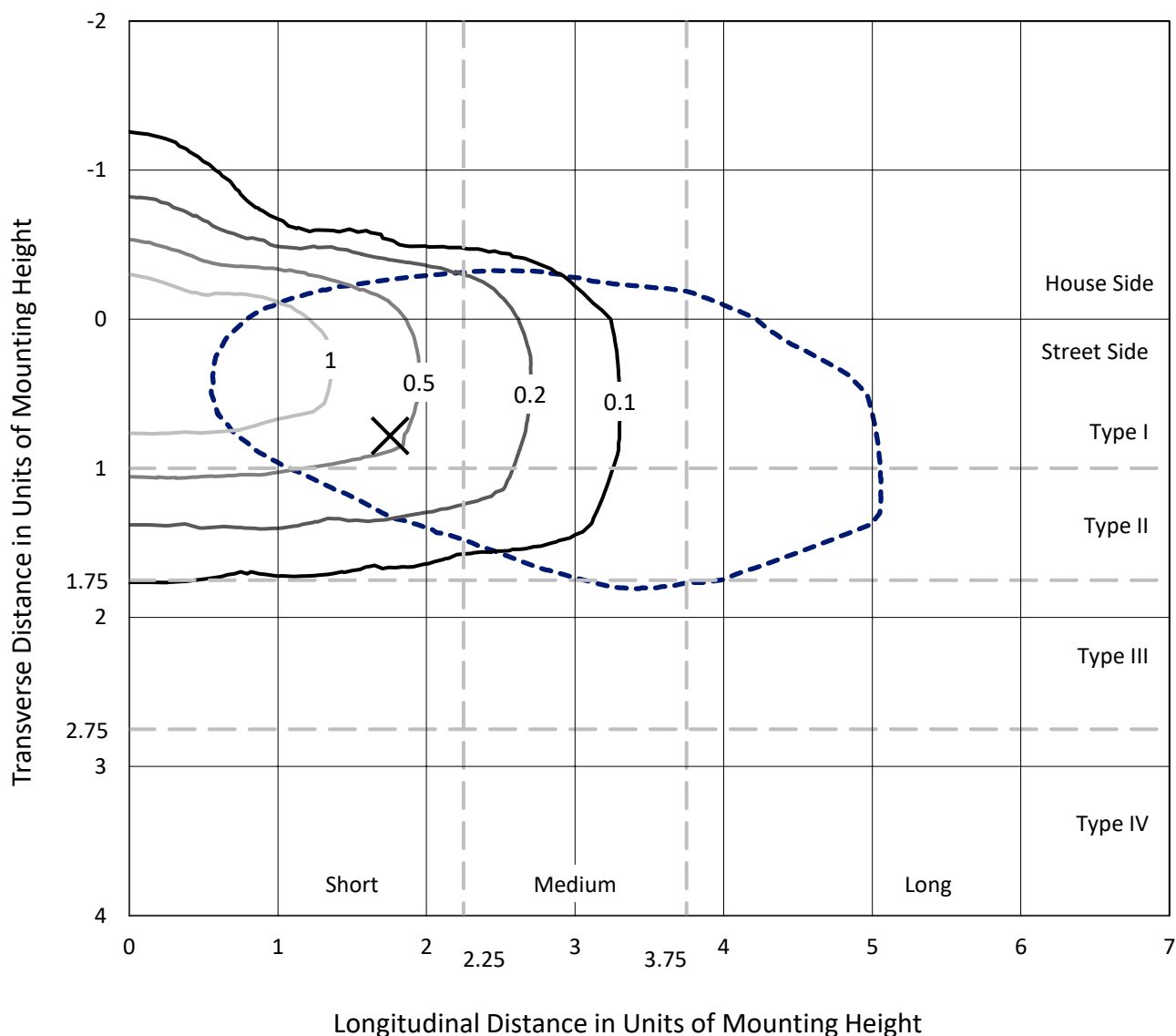
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

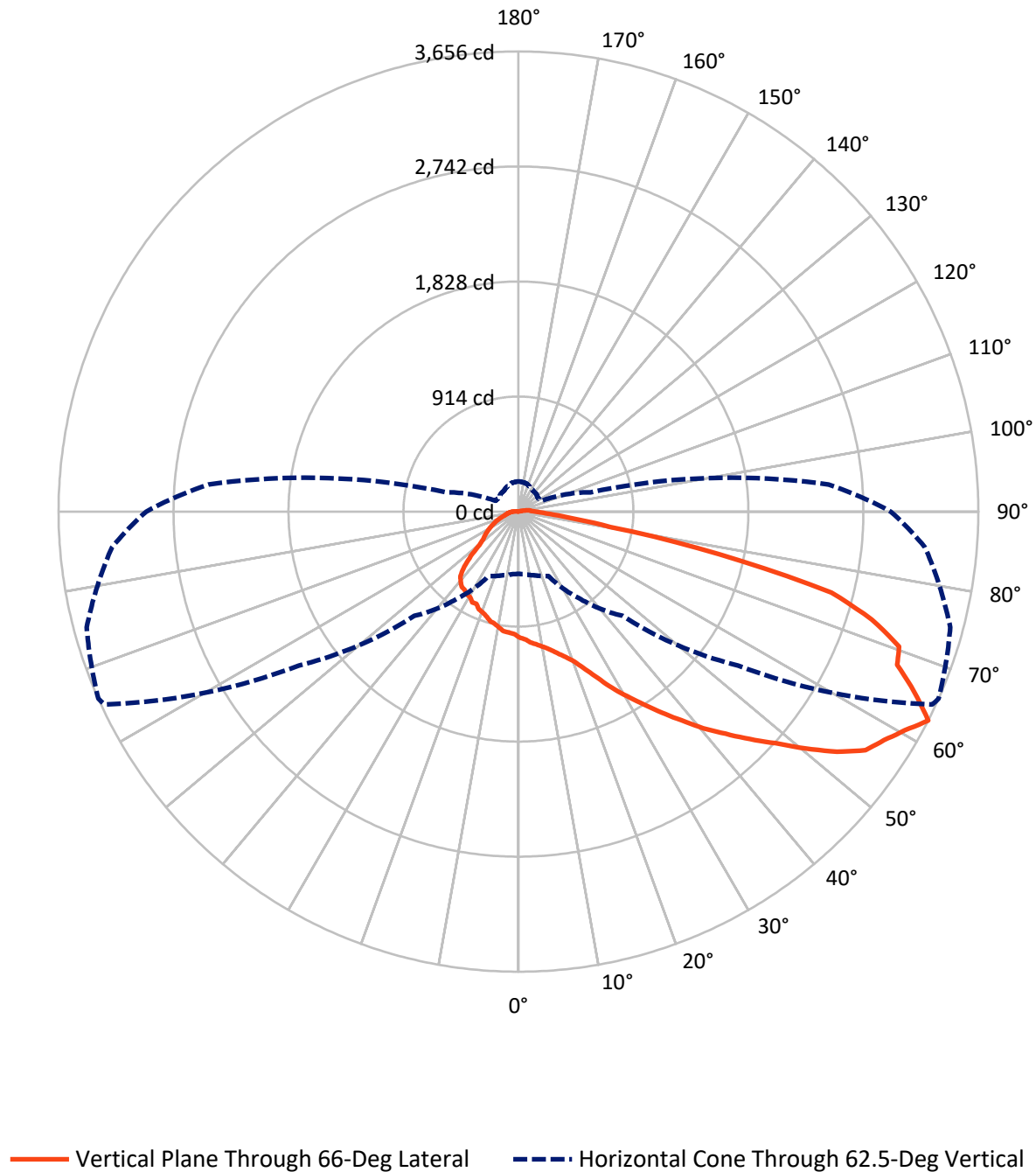
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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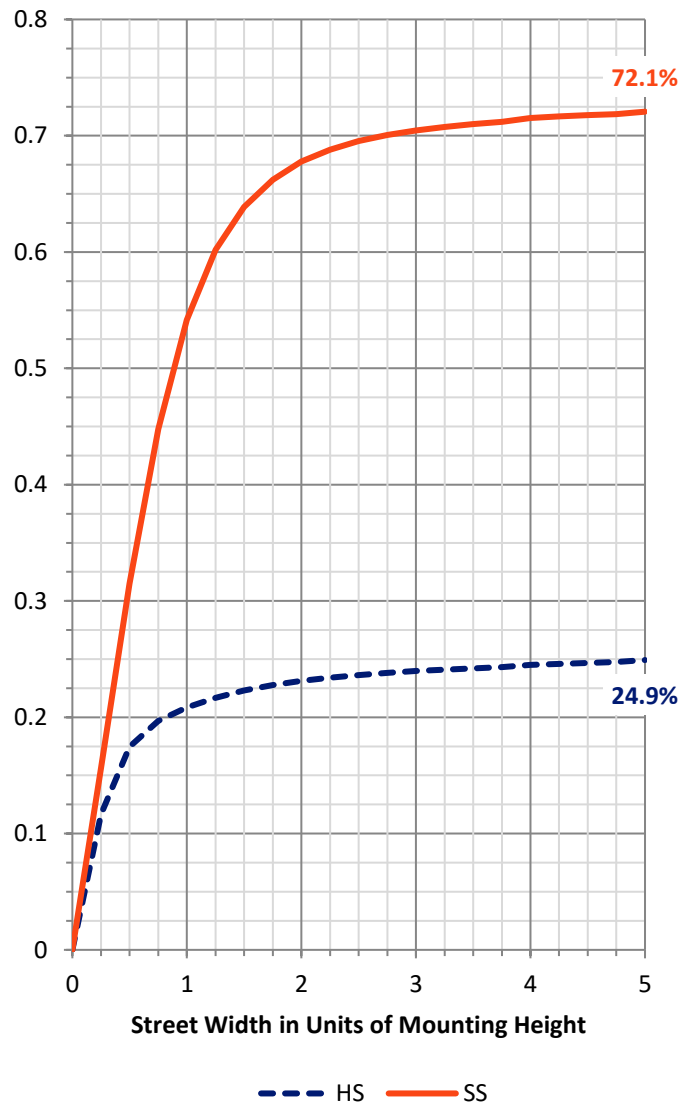
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1490.4	41.2	1531.6
	% Fixture	26.0	0.7	26.7
Street Side	Lumens	4153.6	40.7	4194.4
	% Fixture	72.5	0.7	73.3
Total	Lumens	5644.1	81.9	5726.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.2	1.7
10°-20°	287.9	5.0
20°-30°	487.2	8.5
30°-40°	712.7	12.4
40°-50°	931.6	16.3
50°-60°	1084.1	18.9
60°-70°	1084.5	18.9
70°-80°	748.3	13.1
80°-90°	211.5	3.7
90°-100°	69.7	1.2
100°-110°	9.5	0.2
110°-120°	0.6	0.0
120°-130°	0.5	0.0
130°-140°	0.6	0.0
140°-150°	0.5	0.0
150°-160°	0.3	0.0
160°-170°	0.2	0.0
170°-180°	0.0	0.0
0°-90°	5644.1	98.6
0°-180°	5726.0	100.0

Coefficient of Utilization



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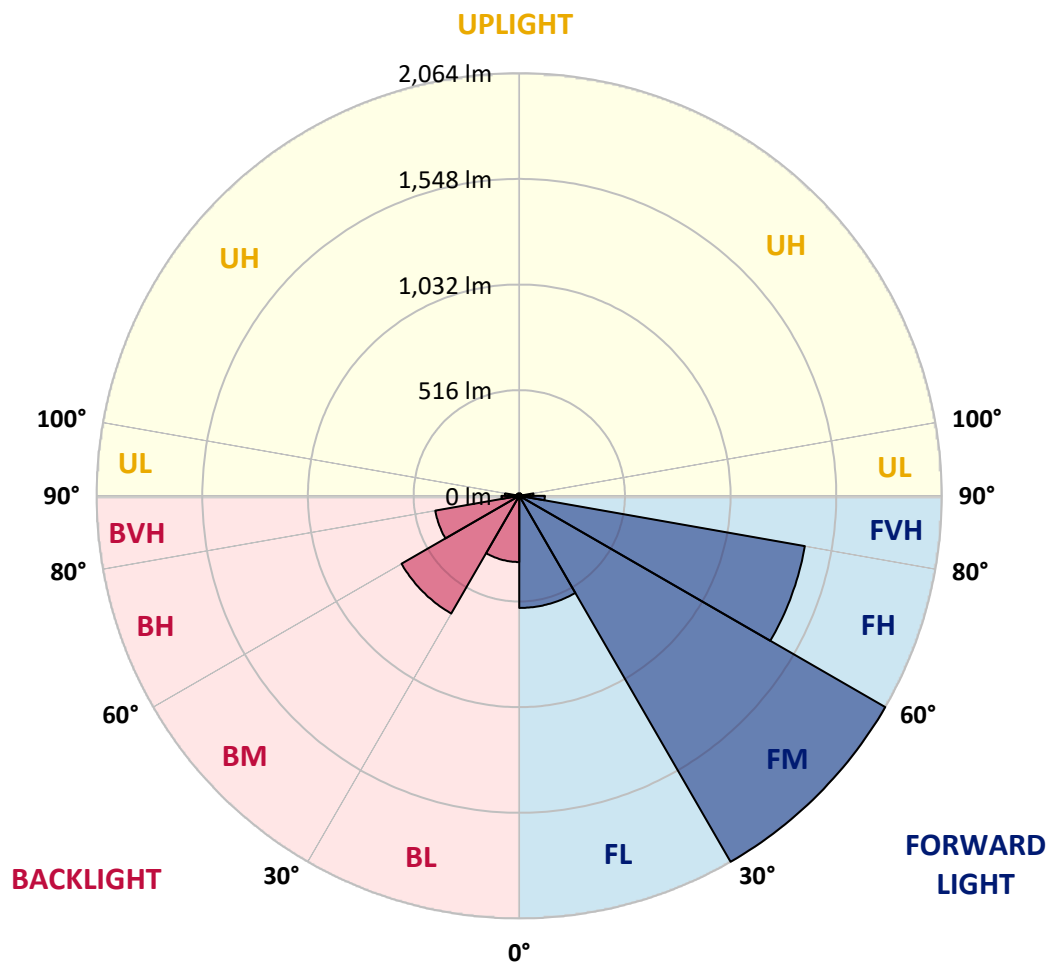
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	547.8	9.6			
FM	(30°-60°)	2064.4	36.1			
FH	(60°-80°)	1416.6	24.7			G1/1800
FVH	(80°-90°)	124.9	2.2			G2/225
BL	(0°-30°)	323.5	5.6	B1/500		
BM	(30°-60°)	664.1	11.6	B1/1000		
BH	(60°-80°)	416.3	7.3	B1/500		G1/500
BVH	(80°-90°)	86.6	1.5			G1/100
UL	(90°-100°)	69.7	1.2		U3/500	
UH	(100°-180°)	12.2	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°	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4
2.5°	1051.8	1049.9	1049.9	1040.4	1030.9	1029.0	1023.3	1015.7	1015.7	1009.9	1000.4
5°	1114.6	1112.7	1114.6	1101.2	1087.9	1076.5	1057.5	1048.0	1046.1	1032.8	1013.7
7.5°	1158.3	1156.4	1154.5	1143.1	1137.4	1126.0	1099.3	1070.8	1067.0	1053.7	1029.0
10°	1175.4	1177.3	1186.8	1167.8	1156.4	1146.9	1131.7	1097.4	1093.6	1063.2	1025.2
12.5°	1221.1	1223.0	1217.3	1194.4	1190.6	1183.0	1158.3	1129.8	1126.0	1087.9	1034.7
15°	1268.6	1268.6	1261.0	1247.7	1238.2	1230.6	1200.1	1169.7	1167.8	1122.2	1059.4
17.5°	1289.5	1293.3	1295.2	1278.1	1274.3	1272.4	1257.2	1219.2	1215.4	1171.6	1093.6
20°	1302.8	1304.7	1306.7	1304.7	1306.7	1304.7	1312.4	1281.9	1272.4	1226.8	1131.7
22.5°	1329.5	1333.3	1346.6	1346.6	1352.3	1365.6	1359.9	1363.7	1359.9	1304.7	1196.3
25°	1342.8	1348.5	1365.6	1386.5	1411.3	1426.5	1447.4	1462.6	1464.5	1415.1	1295.2
27.5°	1321.9	1335.2	1378.9	1411.3	1468.3	1508.3	1557.7	1582.4	1586.2	1538.7	1401.7
30°	1348.5	1348.5	1375.1	1420.8	1491.1	1584.3	1660.4	1698.5	1702.3	1666.1	1508.3
32.5°	1299.0	1310.5	1371.3	1458.8	1559.6	1666.1	1740.3	1814.5	1824.0	1812.6	1660.4
35°	1293.3	1299.0	1337.1	1428.4	1563.4	1742.2	1844.9	1941.9	1960.9	1964.7	1806.9
37.5°	1240.1	1247.7	1318.1	1432.2	1616.7	1795.5	1926.7	2086.5	2103.6	2130.2	1934.3
40°	1173.5	1184.9	1242.0	1369.4	1601.5	1858.2	2014.2	2238.6	2263.3	2295.7	2101.7
42.5°	1086.0	1106.9	1203.9	1340.9	1593.8	1879.1	2097.9	2390.8	2413.6	2447.8	2242.4
45°	1011.8	1017.6	1095.5	1238.2	1533.0	1907.7	2175.9	2561.9	2577.2	2594.3	2356.5
47.5°	945.3	956.7	1023.3	1156.4	1468.3	1902.0	2244.3	2723.6	2750.2	2801.6	2495.4
50°	747.5	774.1	962.4	1086.0	1369.4	1884.8	2301.4	2913.8	2957.6	2976.6	2653.2
52.5°	646.7	654.3	749.4	1017.6	1259.1	1827.8	2350.8	3121.1	3170.6	3126.8	2843.4
55°	597.2	604.8	648.6	878.7	1173.5	1711.8	2388.9	3317.0	3347.5	3244.8	2984.2
57.5°	570.6	576.3	599.1	711.3	1068.9	1527.3	2392.7	3414.0	3425.4	3338.0	3056.5
60°	524.9	530.6	570.6	620.0	952.9	1331.4	2326.1	3469.2	3528.1	3452.1	3195.3
62.5°	494.5	498.3	524.9	564.9	840.7	1171.6	2132.1	3627.1	3655.6	3552.9	3242.9
65°	456.5	460.3	485.0	521.1	768.4	1082.2	2048.4	3562.4	3457.8	3528.1	3305.6
67.5°	412.7	418.4	441.3	471.7	648.6	994.7	1806.9	3320.8	3246.7	3402.6	3142.0
70°	372.8	376.6	401.3	418.4	532.6	880.6	1500.7	3132.5	3210.5	3208.6	2993.7
72.5°	329.0	332.8	353.8	369.0	445.1	745.6	1190.6	2915.7	2938.5	2856.8	2649.4
75°	283.4	285.3	304.3	319.5	365.2	597.2	869.2	2411.7	2569.6	2731.2	2291.9
77.5°	228.2	233.9	249.2	256.8	292.9	477.4	566.8	1428.4	1631.9	2402.2	2048.4
80°	171.2	171.2	182.6	186.4	216.8	355.7	357.6	688.5	739.9	1527.3	1521.6
82.5°	108.4	114.1	125.5	123.6	146.5	203.5	226.3	382.3	410.8	604.8	675.2
85°	87.5	89.4	97.0	91.3	97.0	110.3	127.4	241.5	251.1	369.0	367.1
87.5°	72.3	74.2	79.9	76.1	78.0	83.7	98.9	161.7	165.5	237.7	245.4
90°	55.2	57.1	64.7	62.8	60.9	68.5	81.8	123.6	129.3	188.3	201.6
92.5°	36.1	36.1	41.8	41.8	41.8	49.5	72.3	95.1	98.9	171.2	180.7
95°	26.6	26.6	28.5	30.4	28.5	36.1	53.3	85.6	93.2	159.8	156.0
97.5°	17.1	17.1	19.0	20.9	19.0	22.8	30.4	60.9	68.5	123.6	121.7
100°	11.4	11.4	11.4	11.4	11.4	11.4	17.1	39.9	45.6	78.0	76.1
102.5°	7.6	7.6	7.6	7.6	5.7	5.7	7.6	19.0	20.9	41.8	39.9
105°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	7.6	9.5	17.1	17.1
107.5°	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	1.9	1.9
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	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
155°	0.0	0.0	0.0	1.9	0.0	0.0	0.0	0.0	0.0	0.0	1.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	1.9	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°	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4	1000.4
2.5°	996.6	990.9	981.4	971.9	966.2	960.5	951.0	943.4	943.4	952.9	952.9
5°	1000.4	989.0	970.0	962.4	952.9	939.6	924.4	912.9	907.2	914.8	916.7
7.5°	1009.9	992.8	973.8	956.7	924.4	899.6	886.3	871.1	869.2	876.8	880.6
10°	1002.3	985.2	962.4	930.1	895.8	876.8	852.1	833.1	833.1	827.4	831.2
12.5°	1009.9	987.1	941.5	907.2	876.8	835.0	804.5	785.5	783.6	789.3	789.3
15°	1029.0	994.7	935.8	893.9	844.5	802.6	772.2	751.3	757.0	745.6	747.5
17.5°	1051.8	1000.4	935.8	863.5	808.3	768.4	726.6	701.8	703.7	705.6	707.5
20°	1080.3	1015.7	926.3	840.7	774.1	717.0	669.5	650.5	644.8	648.6	650.5
22.5°	1124.1	1049.9	922.5	829.3	726.6	671.4	629.6	591.5	587.7	587.7	587.7
25°	1196.3	1101.2	939.6	791.2	701.8	618.1	570.6	534.5	517.3	519.2	521.1
27.5°	1306.7	1183.0	956.7	793.1	644.8	570.6	511.6	471.7	462.2	464.1	466.0
30°	1422.7	1293.3	1000.4	755.1	612.4	498.3	437.5	408.9	397.5	391.8	393.7
32.5°	1512.1	1390.3	1061.3	743.7	553.5	420.3	382.3	359.5	344.3	338.6	338.6
35°	1654.7	1485.4	1110.7	715.1	492.6	370.9	340.5	315.7	308.1	304.3	304.3
37.5°	1776.4	1590.0	1162.1	703.7	418.4	332.8	294.8	279.6	279.6	275.8	273.9
40°	1907.7	1700.4	1190.6	669.5	361.4	292.9	254.9	253.0	258.7	258.7	258.7
42.5°	2065.5	1814.5	1221.1	629.6	317.6	247.3	226.3	241.5	254.9	258.7	258.7
45°	2183.5	1886.8	1234.4	544.0	273.9	214.9	222.5	237.7	254.9	260.6	258.7
47.5°	2284.3	1991.4	1215.4	439.4	235.8	209.2	218.7	232.0	253.0	260.6	260.6
50°	2385.1	2080.8	1202.0	317.6	220.6	209.2	218.7	224.4	247.3	256.8	256.8
52.5°	2533.4	2151.1	1148.8	266.3	209.2	211.1	222.5	222.5	243.5	254.9	260.6
55°	2723.6	2312.8	1048.0	249.2	205.4	209.2	224.4	224.4	239.6	251.1	254.9
57.5°	2801.6	2369.9	874.9	233.9	201.6	209.2	218.7	222.5	241.5	249.2	247.3
60°	2904.3	2463.0	717.0	218.7	194.0	205.4	211.1	224.4	239.6	241.5	239.6
62.5°	2959.5	2474.5	593.4	203.5	188.3	199.7	201.6	216.8	232.0	237.7	239.6
65°	2989.9	2463.0	439.4	188.3	182.6	192.1	194.0	207.3	222.5	226.3	228.2
67.5°	2879.6	2385.1	304.3	173.1	176.9	182.6	186.4	199.7	211.1	222.5	226.3
70°	2681.8	2158.7	216.8	154.1	167.4	173.1	180.7	194.0	205.4	220.6	224.4
72.5°	2463.0	1738.4	159.8	131.2	154.1	161.7	175.0	184.5	201.6	220.6	226.3
75°	2257.6	1525.4	127.4	112.2	131.2	148.4	165.5	178.8	203.5	270.1	279.6
77.5°	1601.5	1030.9	114.1	98.9	112.2	129.3	152.2	175.0	283.4	321.4	323.3
80°	1162.1	606.7	102.7	87.5	97.0	104.6	138.8	214.9	313.8	296.7	296.7
82.5°	582.0	325.2	97.0	78.0	83.7	85.6	123.6	273.9	253.0	264.4	266.3
85°	281.5	157.9	79.9	68.5	72.3	70.4	116.0	260.6	239.6	241.5	237.7
87.5°	176.9	97.0	62.8	57.1	59.0	57.1	110.3	249.2	251.1	205.4	209.2
90°	159.8	114.1	49.5	45.6	39.9	47.5	98.9	232.0	245.4	148.4	123.6
92.5°	154.1	123.6	36.1	32.3	28.5	38.0	74.2	188.3	150.3	62.8	38.0
95°	136.9	108.4	30.4	22.8	26.6	32.3	47.5	125.5	100.8	0.0	0.0
97.5°	102.7	79.9	24.7	15.2	85.6	28.5	26.6	81.8	28.5	0.0	0.0
100°	64.7	49.5	19.0	11.4	97.0	19.0	17.1	47.5	0.0	0.0	0.0
102.5°	36.1	26.6	9.5	7.6	41.8	9.5	11.4	11.4	0.0	0.0	0.0
105°	15.2	13.3	3.8	3.8	3.8	1.9	5.7	0.0	0.0	0.0	0.0
107.5°	3.8	5.7	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
110°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691479
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7030

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
115°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
117.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
120°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
122.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
125°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
127.5°	1.9	1.9	1.9	3.8	1.9	1.9	0.0	0.0	0.0	0.0	0.0
130°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
132.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
135°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
137.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
140°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
142.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
145°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
147.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
150°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
152.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
155°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
157.5°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
160°	1.9	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0
162.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
165°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
167.5°	1.9	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
170°	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
175°	0.0	1.9	1.9	1.9	1.9	1.9	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	1.9	1.9	1.9	1.9	1.9	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)