

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: P691542

Luminaire Tested: **CRTK2-C016-D-U-T5R-7030**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691542
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-17)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7030
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

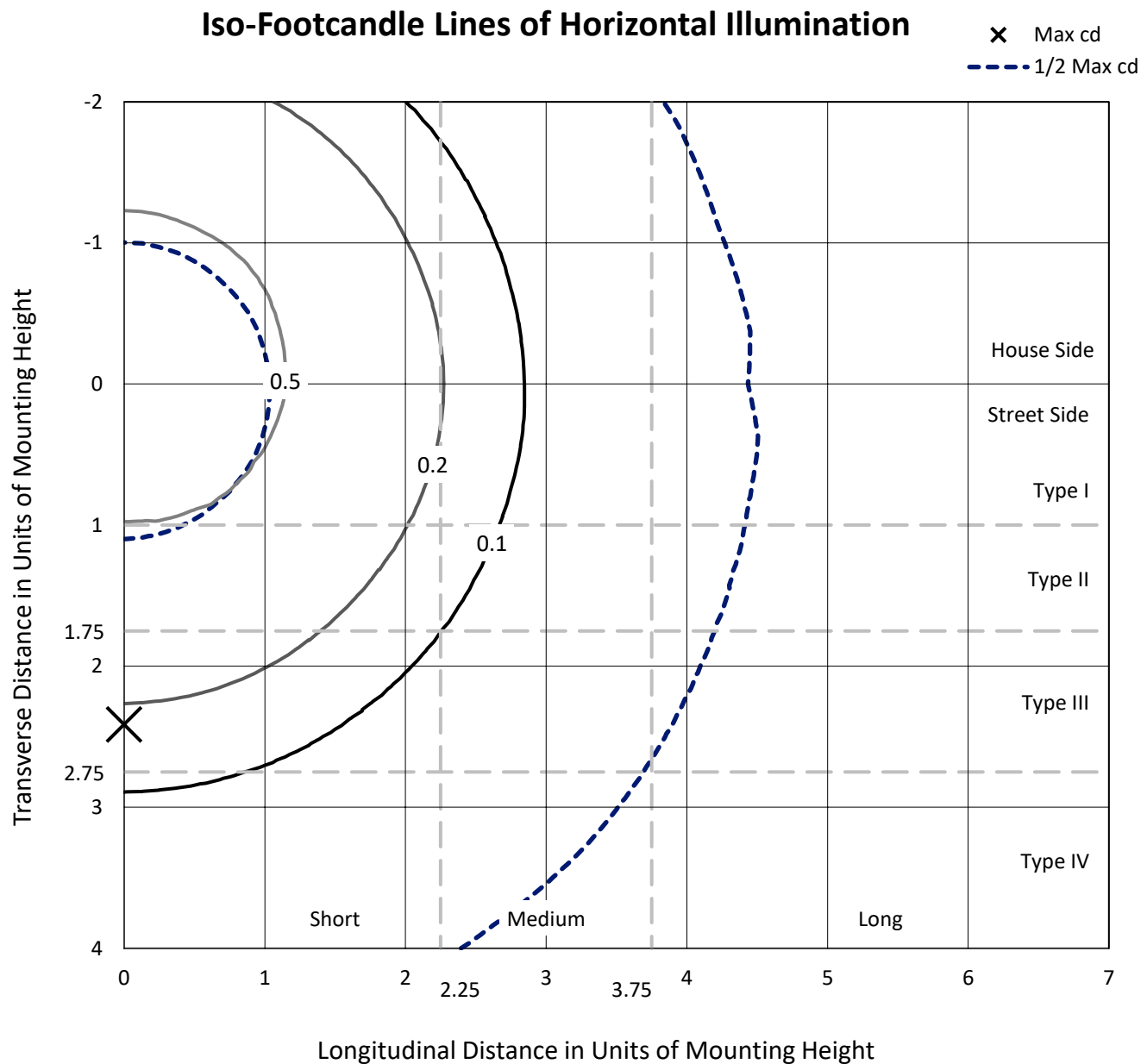
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6101.9 lumens
Efficiency: N/A
Efficacy: 146.7 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G1

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



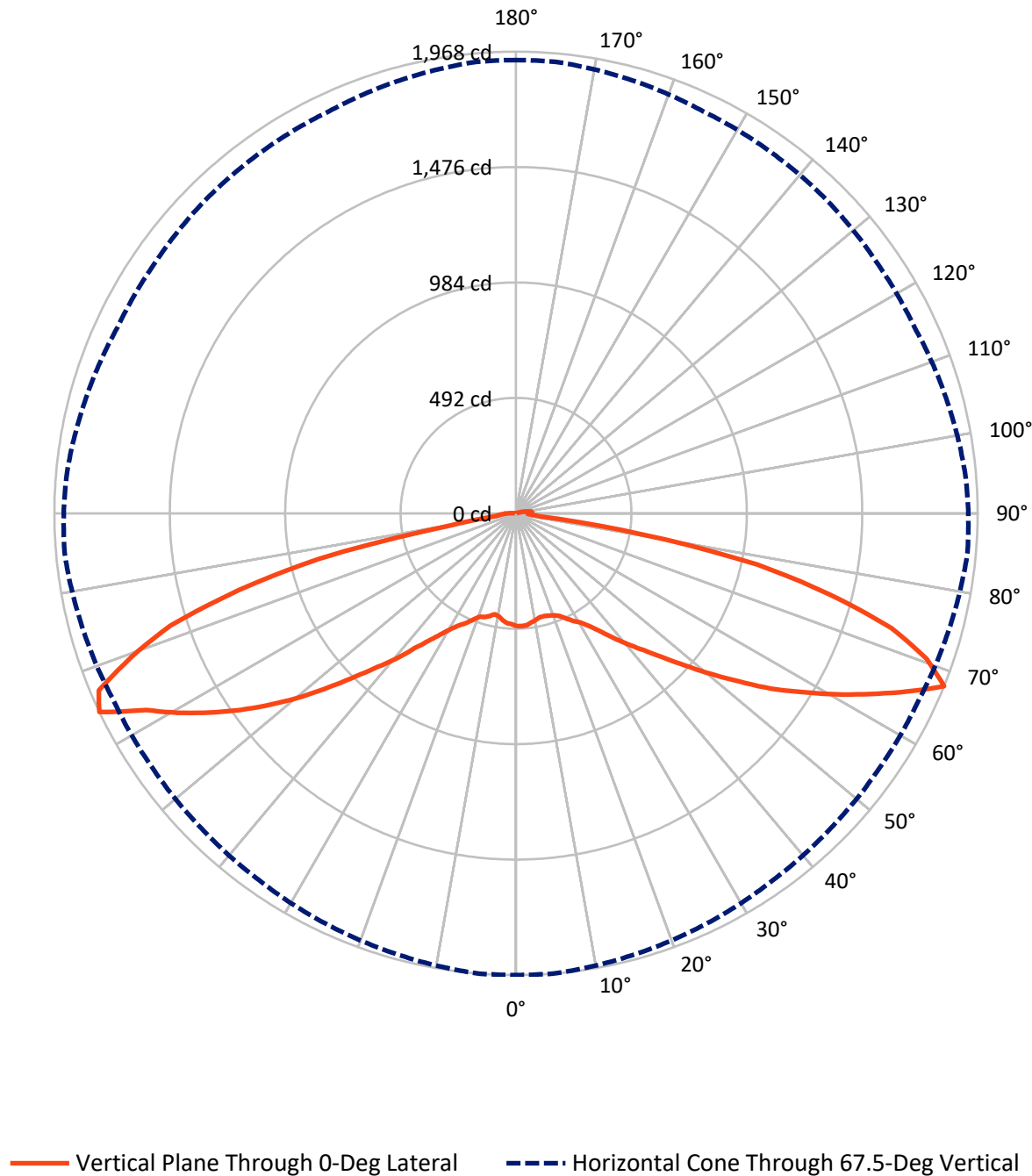
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Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

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Luminous Intensity Polar Plot



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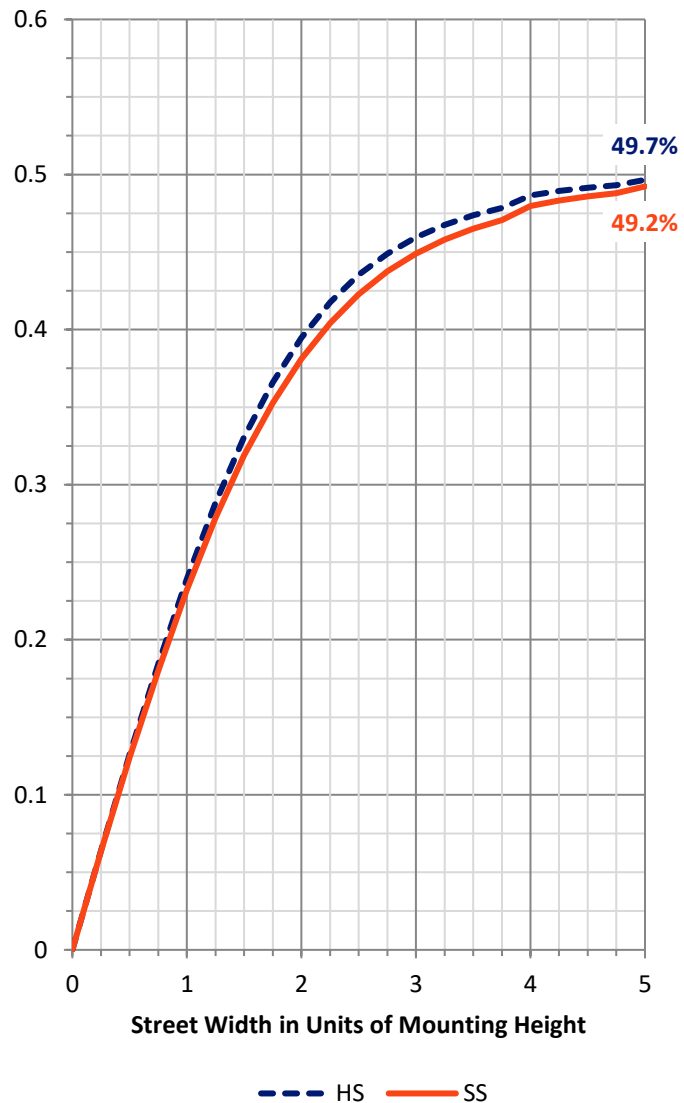
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3021.2	28.6	3049.8
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	3011.6	40.5	3052.1
	% Fixture	49.4	0.7	50.0
Total	Lumens	6032.8	69.1	6101.9
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.0	0.7
10°-20°	132.8	2.2
20°-30°	240.0	3.9
30°-40°	413.9	6.8
40°-50°	734.3	12.0
50°-60°	1250.1	20.5
60°-70°	1791.0	29.4
70°-80°	1302.2	21.3
80°-90°	123.6	2.0
90°-100°	55.8	0.9
100°-110°	13.3	0.2
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	6032.8	98.9
0°-180°	6101.9	100.0

Coefficient of Utilization



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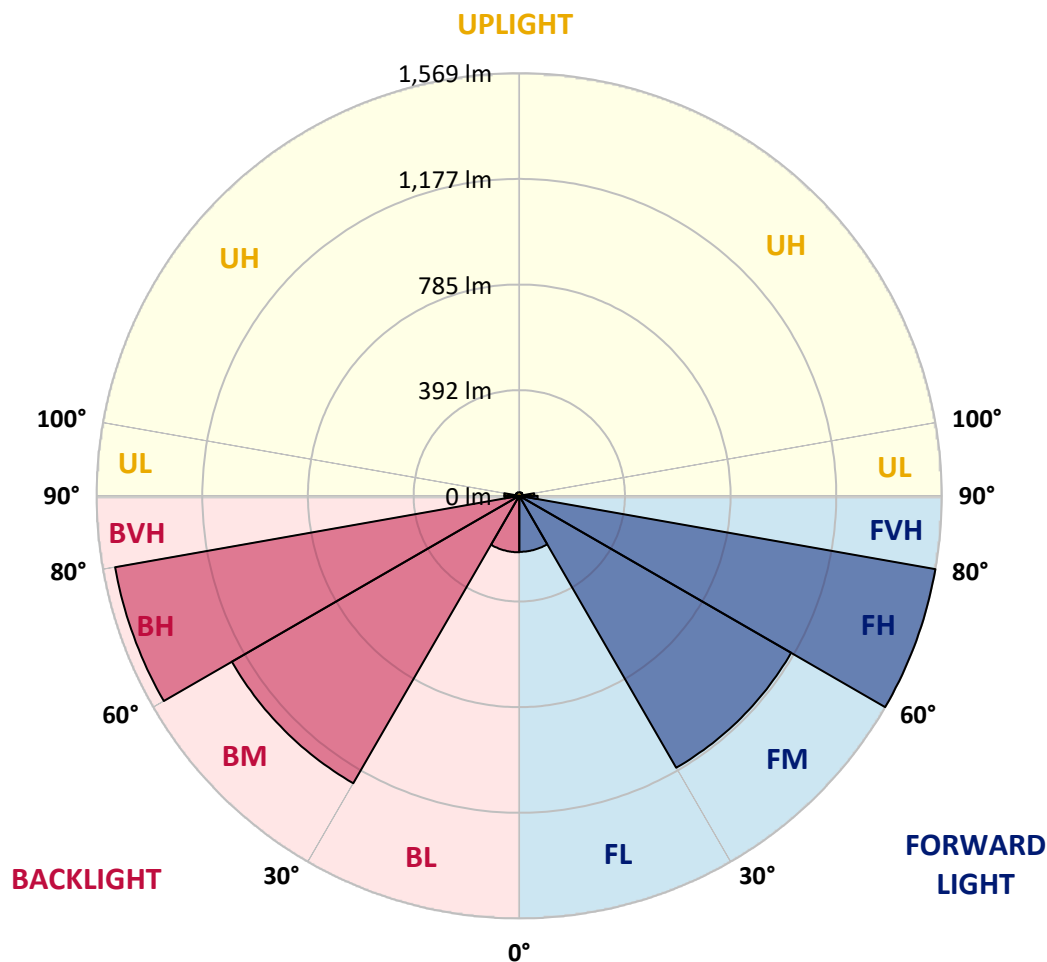
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	207.9	3.4			
FM	(30°-60°)	1165.8	19.1			
FH	(60°-80°)	1569.2	25.7			G1/1800
FVH	(80°-90°)	68.7	1.1			G1/100
BL	(0°-30°)	209.9	3.4	B1/500		
BM	(30°-60°)	1232.5	20.2	B2/2500		
BH	(60°-80°)	1523.9	25.0	B3/2500		G1/1800
BVH	(80°-90°)	54.9	0.9			G1/100
UL	(90°-100°)	55.8	0.9		U3/500	
UH	(100°-180°)	13.3	0.2		U2/50	

BUG Rating: B3-U3-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0
2.5°	481.0	481.0	481.0	481.0	481.0	481.0	479.1	475.3	475.3	475.3	475.3
5°	479.1	479.1	479.1	479.1	481.0	481.0	481.0	477.2	477.2	477.2	477.2
7.5°	469.6	469.6	471.5	471.5	473.4	475.3	473.4	473.4	473.4	475.3	475.3
10°	462.0	462.0	463.9	463.9	465.8	465.8	469.6	469.6	471.5	473.4	473.4
12.5°	454.4	454.4	456.3	460.1	462.0	463.9	465.8	467.7	471.5	473.4	473.4
15°	454.4	454.4	454.4	458.2	463.9	467.7	469.6	473.4	477.2	479.1	481.0
17.5°	458.2	458.2	458.2	462.0	465.8	471.5	477.2	479.1	482.9	486.7	486.7
20°	463.9	463.9	465.8	469.6	475.3	479.1	482.9	488.6	492.4	496.2	498.1
22.5°	475.3	477.2	477.2	479.1	484.8	490.5	494.3	498.1	503.8	507.6	511.4
25°	496.2	494.3	494.3	498.1	501.9	507.6	509.5	513.3	519.1	524.8	526.7
27.5°	519.1	517.1	517.1	521.0	524.8	528.6	530.5	536.2	541.9	547.6	549.5
30°	540.0	540.0	541.9	545.7	549.5	555.2	557.1	562.8	566.6	574.2	574.2
32.5°	572.3	574.2	576.1	578.0	581.8	587.5	593.2	595.1	598.9	604.6	608.4
35°	616.0	619.8	619.8	621.7	631.2	636.9	633.1	638.8	644.5	652.1	655.9
37.5°	673.1	671.2	676.9	684.5	686.4	692.1	690.2	694.0	701.6	711.1	716.8
40°	733.9	735.8	735.8	737.7	743.4	745.3	752.9	758.6	766.2	779.5	783.3
42.5°	796.6	800.4	804.2	806.1	815.7	817.6	823.3	830.9	840.4	849.9	853.7
45°	874.6	872.7	882.2	886.0	895.5	906.9	906.9	910.7	925.9	935.4	941.1
47.5°	967.8	971.6	977.3	983.0	998.2	1000.1	1009.6	1015.3	1024.8	1034.3	1036.2
50°	1076.1	1076.1	1081.8	1093.2	1102.7	1112.3	1118.0	1125.6	1133.2	1148.4	1156.0
52.5°	1190.2	1192.1	1199.7	1211.1	1226.3	1228.2	1233.9	1247.2	1252.9	1256.7	1270.1
55°	1319.5	1313.8	1319.5	1336.6	1353.7	1351.8	1353.7	1368.9	1378.4	1386.0	1389.8
57.5°	1437.4	1437.4	1443.1	1456.4	1460.2	1465.9	1467.8	1481.1	1492.5	1502.0	1503.9
60°	1566.7	1564.8	1568.6	1580.0	1593.3	1593.3	1591.4	1604.7	1616.1	1618.0	1631.3
62.5°	1695.9	1690.2	1694.0	1701.6	1709.3	1701.6	1709.3	1720.7	1730.2	1737.8	1741.6
65°	1830.9	1823.3	1825.2	1817.6	1806.2	1796.7	1813.8	1846.1	1874.7	1889.9	1891.8
67.5°	1967.8	1967.8	1946.9	1927.9	1908.9	1897.5	1891.8	1891.8	1910.8	1931.7	1927.9
70°	1855.7	1859.5	1842.3	1829.0	1798.6	1789.1	1783.4	1764.4	1773.9	1779.6	1766.3
72.5°	1673.1	1652.2	1644.6	1638.9	1616.1	1599.0	1580.0	1566.7	1561.0	1564.8	1549.5
75°	1382.2	1424.1	1401.2	1389.8	1374.6	1367.0	1317.6	1302.4	1300.5	1315.7	1315.7
77.5°	1051.4	1074.2	1059.0	1064.7	1041.9	1038.1	1019.1	1002.0	988.7	984.9	946.8
80°	545.7	562.8	566.6	585.6	581.8	570.4	557.1	507.6	494.3	501.9	465.8
82.5°	98.9	102.7	104.6	106.5	98.9	102.7	104.6	95.1	100.8	98.9	95.1
85°	57.0	57.0	58.9	58.9	55.1	51.3	55.1	53.2	53.2	57.0	57.0
87.5°	49.4	51.3	53.2	53.2	47.5	43.7	47.5	47.5	49.4	51.3	51.3
90°	51.3	51.3	55.1	55.1	49.4	45.6	51.3	53.2	53.2	53.2	55.1
92.5°	68.4	66.5	68.4	68.4	62.7	58.9	66.5	66.5	66.5	66.5	68.4
95°	66.5	64.6	66.5	64.6	60.8	57.0	62.7	64.6	64.6	64.6	66.5
97.5°	57.0	57.0	57.0	57.0	51.3	49.4	57.0	57.0	55.1	55.1	57.0
100°	43.7	41.8	41.8	41.8	39.9	39.9	43.7	41.8	39.9	41.8	43.7
102.5°	28.5	28.5	28.5	28.5	28.5	28.5	28.5	26.6	26.6	26.6	30.4
105°	17.1	17.1	15.2	15.2	15.2	15.2	15.2	13.3	13.3	13.3	17.1
107.5°	5.7	5.7	3.8	3.8	3.8	3.8	3.8	1.9	1.9	1.9	5.7
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°	75°	85°	90°
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	0.0
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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	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	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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0	481.0
2.5°	477.2	477.2	479.1	477.2	477.2	475.3	473.4	471.5	473.4	473.4
5°	477.2	479.1	477.2	475.3	473.4	471.5	471.5	467.7	467.7	469.6
7.5°	475.3	479.1	475.3	473.4	467.7	465.8	463.9	460.1	460.1	460.1
10°	473.4	473.4	471.5	463.9	460.1	454.4	452.5	448.7	446.8	444.9
12.5°	473.4	473.4	467.7	462.0	456.3	448.7	446.8	443.0	441.1	439.2
15°	479.1	481.0	477.2	469.6	460.1	458.2	452.5	450.6	448.7	452.5
17.5°	488.6	486.7	482.9	475.3	469.6	467.7	460.1	460.1	458.2	462.0
20°	498.1	494.3	490.5	486.7	479.1	475.3	475.3	469.6	471.5	467.7
22.5°	509.5	511.4	505.7	500.0	494.3	492.4	490.5	490.5	488.6	488.6
25°	528.6	528.6	524.8	519.1	515.2	511.4	509.5	511.4	507.6	513.3
27.5°	551.4	549.5	549.5	545.7	540.0	538.1	536.2	538.1	536.2	536.2
30°	574.2	578.0	574.2	572.3	568.5	568.5	566.6	566.6	568.5	566.6
32.5°	610.3	612.2	612.2	610.3	606.5	604.6	604.6	606.5	610.3	608.4
35°	657.8	659.7	663.5	667.4	667.4	663.5	659.7	657.8	659.7	659.7
37.5°	720.6	722.5	726.3	726.3	724.4	722.5	724.4	728.2	720.6	720.6
40°	785.2	783.3	787.1	790.9	792.8	790.9	789.0	792.8	796.6	802.3
42.5°	857.5	861.3	863.2	870.8	874.6	874.6	872.7	878.4	880.3	880.3
45°	943.0	952.5	948.7	962.0	973.5	975.4	969.7	973.5	969.7	973.5
47.5°	1041.9	1049.5	1057.1	1068.5	1074.2	1078.0	1076.1	1079.9	1083.7	1083.7
50°	1154.1	1159.8	1173.1	1188.3	1197.8	1197.8	1190.2	1197.8	1205.4	1203.5
52.5°	1272.0	1283.4	1296.7	1310.0	1317.6	1319.5	1319.5	1325.2	1323.3	1323.3
55°	1395.5	1405.0	1422.2	1429.8	1439.3	1443.1	1443.1	1445.0	1443.1	1443.1
57.5°	1513.4	1524.8	1538.1	1553.3	1562.9	1566.7	1562.9	1562.9	1562.9	1559.1
60°	1635.1	1642.7	1656.0	1667.4	1673.1	1680.7	1680.7	1678.8	1676.9	1675.0
62.5°	1747.3	1751.1	1754.9	1756.8	1762.5	1777.7	1777.7	1787.2	1787.2	1785.3
65°	1893.7	1876.6	1861.4	1865.2	1878.5	1891.8	1903.2	1941.2	1960.2	1967.8
67.5°	1922.2	1897.5	1874.7	1872.8	1880.4	1884.2	1889.9	1910.8	1931.7	1931.7
70°	1754.9	1739.7	1718.8	1728.3	1734.0	1728.3	1735.9	1749.2	1768.2	1751.1
72.5°	1538.1	1513.4	1528.6	1538.1	1528.6	1521.0	1524.8	1522.9	1536.2	1549.5
75°	1298.6	1247.2	1247.2	1247.2	1251.0	1233.9	1233.9	1235.8	1260.6	1226.3
77.5°	962.0	925.9	916.4	878.4	874.6	851.8	867.0	857.5	880.3	867.0
80°	448.7	433.5	427.8	389.8	382.2	321.3	344.1	306.1	317.5	285.2
82.5°	93.2	91.3	89.4	79.9	72.2	62.7	74.2	83.7	85.6	83.7
85°	58.9	60.8	60.8	57.0	53.2	47.5	57.0	70.3	74.2	74.2
87.5°	51.3	53.2	53.2	51.3	47.5	41.8	47.5	53.2	55.1	53.2
90°	55.1	57.0	55.1	53.2	49.4	43.7	49.4	51.3	41.8	43.7
92.5°	66.5	66.5	64.6	64.6	62.7	55.1	60.8	49.4	19.0	5.7
95°	64.6	62.7	62.7	60.8	58.9	49.4	49.4	13.3	0.0	0.0
97.5°	55.1	51.3	51.3	49.4	49.4	41.8	30.4	0.0	0.0	0.0
100°	41.8	36.1	36.1	34.2	34.2	28.5	11.4	0.0	0.0	0.0
102.5°	28.5	22.8	20.9	19.0	19.0	17.1	1.9	0.0	0.0	0.0
105°	15.2	9.5	7.6	5.7	5.7	3.8	0.0	0.0	0.0	0.0
107.5°	5.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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 CATALOG NUMBER: CRTK2-C016-D-U-T5R-7030

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	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
117.5°	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
122.5°	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
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	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
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	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	0.0	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	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
165°	0.0	0.0	0.0	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)