

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: P691471

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691471
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-C016-5TLD-U-T5R-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE V ROUND OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5797 lumens
Efficiency: N/A
Efficacy: 135.4 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): 42.8
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



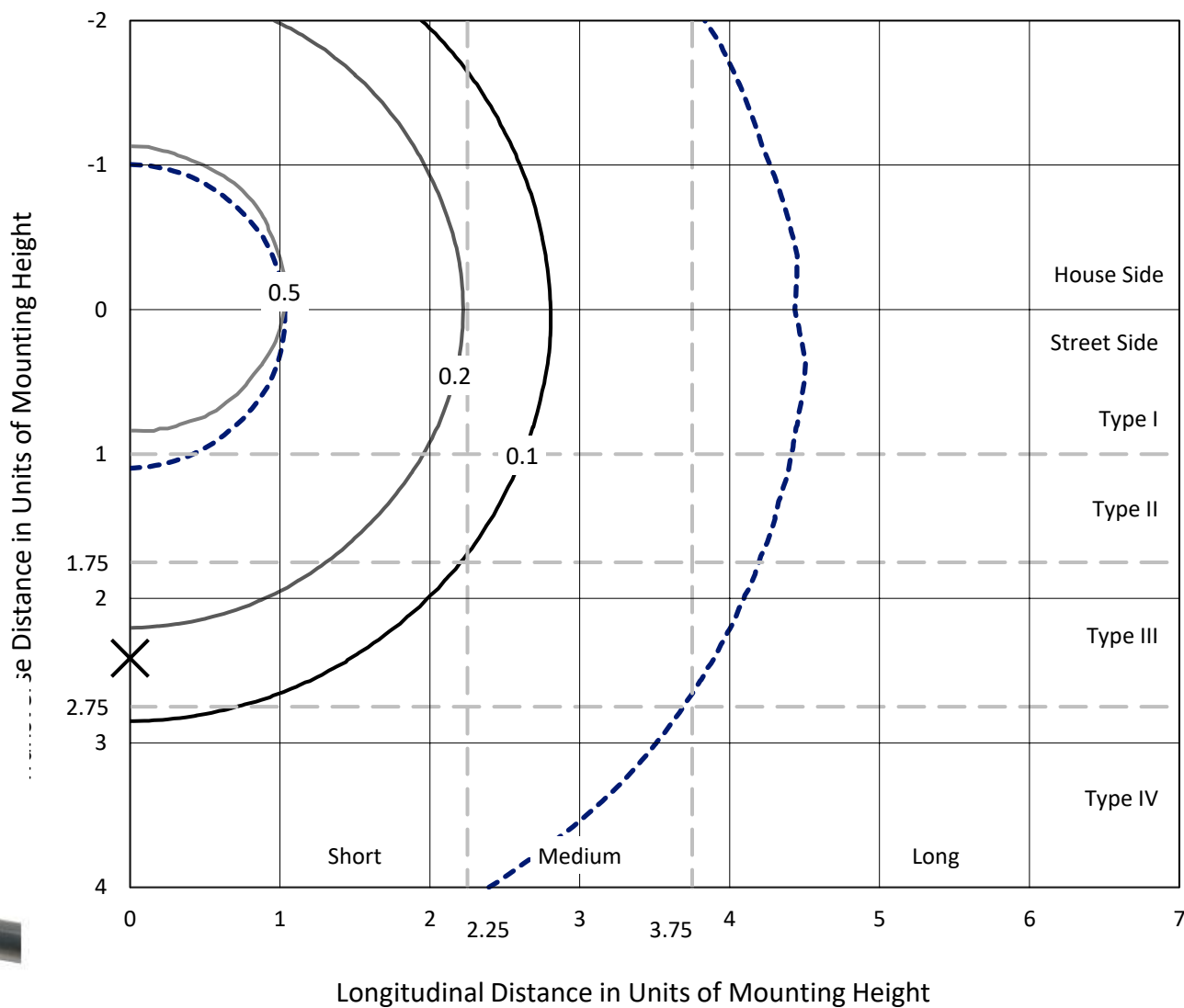
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

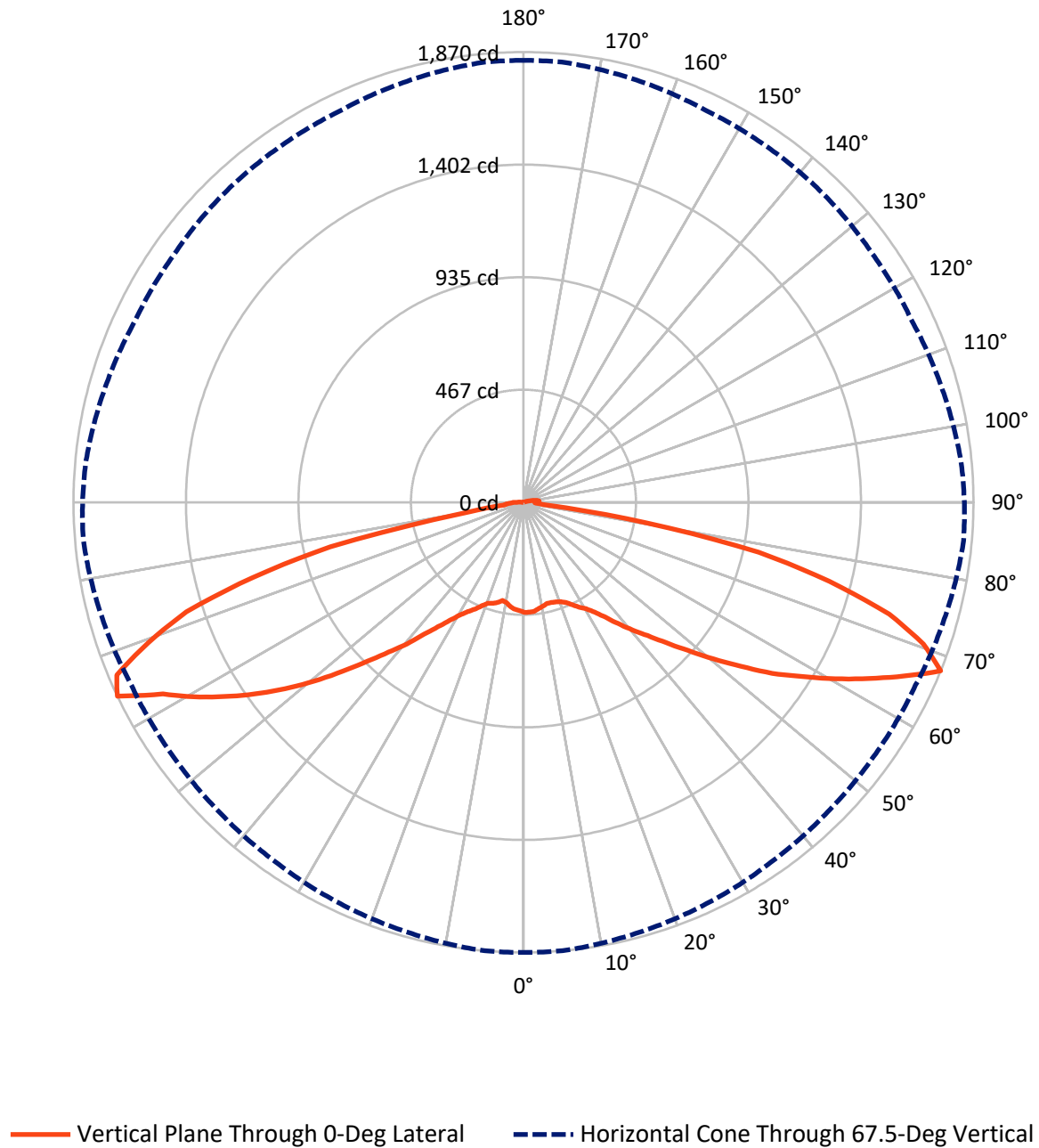
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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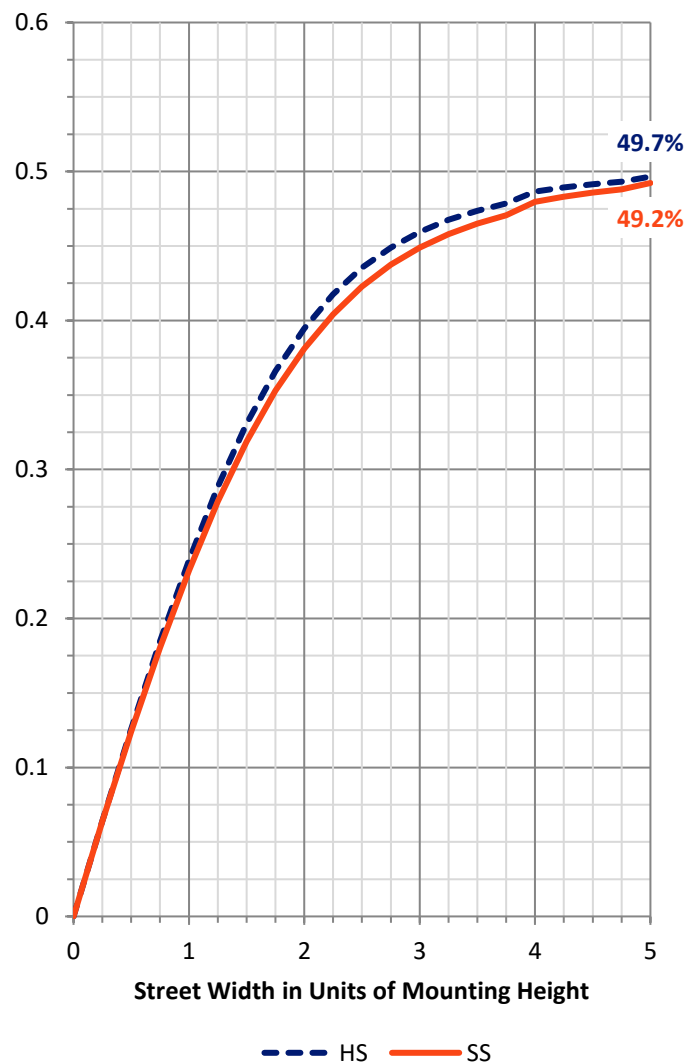
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2870.2	27.2	2897.4
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2861.1	38.5	2899.6
	% Fixture	49.4	0.7	50.0
Total	Lumens	5731.3	65.7	5797.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.8	0.7
10°-20°	126.2	2.2
20°-30°	228.0	3.9
30°-40°	393.2	6.8
40°-50°	697.6	12.0
50°-60°	1187.6	20.5
60°-70°	1701.4	29.4
70°-80°	1237.1	21.3
80°-90°	117.5	2.0
90°-100°	53.0	0.9
100°-110°	12.7	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°	5731.3	98.9
0°-180°	5797.0	100.0

Coefficient of Utilization



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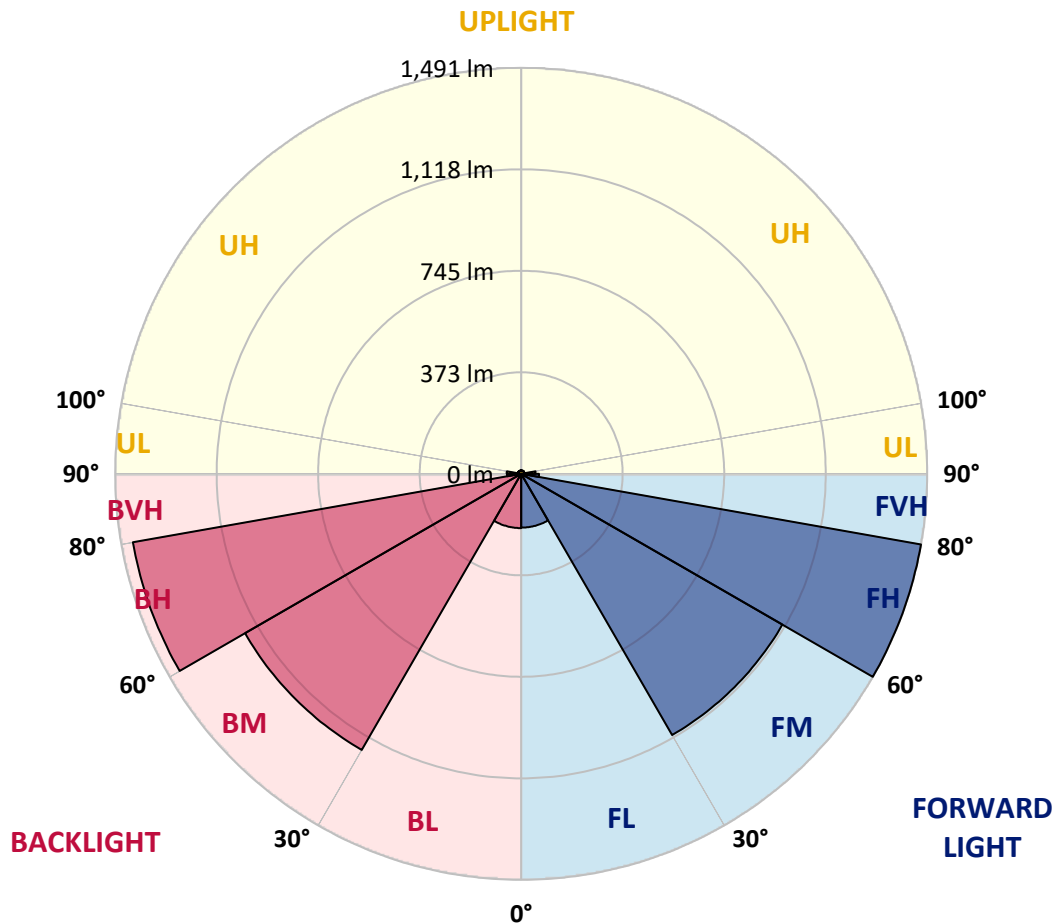
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	197.6	3.4			
FM	(30°-60°)	1107.5	19.1			
FH	(60°-80°)	1490.8	25.7			G1/1800
FVH	(80°-90°)	65.2	1.1			G1/100
BL	(0°-30°)	199.4	3.4	B1/500		
BM	(30°-60°)	1170.9	20.2	B2/2500		
BH	(60°-80°)	1447.7	25.0	B3/2500		G1/1800
BVH	(80°-90°)	52.2	0.9			G1/100
UL	(90°-100°)	53.0	0.9		U3/500	
UH	(100°-180°)	12.7	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°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0
2.5°	457.0	457.0	457.0	457.0	457.0	457.0	455.2	451.6	451.6	451.6	451.6
5°	455.2	455.2	455.2	455.2	457.0	457.0	457.0	453.4	453.4	453.4	453.4
7.5°	446.1	446.1	448.0	448.0	449.8	451.6	449.8	449.8	449.8	451.6	451.6
10°	438.9	438.9	440.7	440.7	442.5	442.5	446.1	446.1	448.0	449.8	449.8
12.5°	431.7	431.7	433.5	437.1	438.9	440.7	442.5	444.3	448.0	449.8	449.8
15°	431.7	431.7	431.7	435.3	440.7	444.3	446.1	449.8	453.4	455.2	457.0
17.5°	435.3	435.3	435.3	438.9	442.5	448.0	453.4	455.2	458.8	462.4	462.4
20°	440.7	440.7	442.5	446.1	451.6	455.2	458.8	464.2	467.8	471.4	473.2
22.5°	451.6	453.4	453.4	455.2	460.6	466.0	469.6	473.2	478.7	482.3	485.9
25°	471.4	469.6	469.6	473.2	476.9	482.3	484.1	487.7	493.1	498.5	500.3
27.5°	493.1	491.3	491.3	494.9	498.5	502.1	503.9	509.4	514.8	520.2	522.0
30°	513.0	513.0	514.8	518.4	522.0	527.4	529.2	534.7	538.3	545.5	545.5
32.5°	543.7	545.5	547.3	549.1	552.7	558.1	563.6	565.4	569.0	574.4	578.0
35°	585.2	588.8	588.8	590.6	599.7	605.1	601.5	606.9	612.3	619.5	623.2
37.5°	639.4	637.6	643.0	650.3	652.1	657.5	655.7	659.3	666.5	675.5	681.0
40°	697.2	699.0	699.0	700.8	706.2	708.1	715.3	720.7	727.9	740.6	744.2
42.5°	756.8	760.4	764.0	765.9	774.9	776.7	782.1	789.3	798.4	807.4	811.0
45°	830.9	829.1	838.1	841.7	850.7	861.6	861.6	865.2	879.6	888.7	894.1
47.5°	919.4	923.0	928.4	933.8	948.3	950.1	959.1	964.5	973.6	982.6	984.4
50°	1022.3	1022.3	1027.8	1038.6	1047.6	1056.7	1062.1	1069.3	1076.5	1091.0	1098.2
52.5°	1130.7	1132.5	1139.7	1150.6	1165.0	1166.8	1172.3	1184.9	1190.3	1193.9	1206.6
55°	1253.5	1248.1	1253.5	1269.8	1286.1	1284.2	1286.1	1300.5	1309.5	1316.8	1320.4
57.5°	1365.5	1365.5	1370.9	1383.6	1387.2	1392.6	1394.4	1407.1	1417.9	1426.9	1428.7
60°	1488.4	1486.5	1490.2	1501.0	1513.6	1513.6	1511.8	1524.5	1535.3	1537.1	1549.8
62.5°	1611.2	1605.8	1609.4	1616.6	1623.8	1616.6	1623.8	1634.7	1643.7	1650.9	1654.5
65°	1739.4	1732.2	1734.0	1726.8	1715.9	1706.9	1723.2	1753.9	1781.0	1795.4	1797.2
67.5°	1869.5	1869.5	1849.6	1831.5	1813.5	1802.6	1797.2	1797.2	1815.3	1835.2	1831.5
70°	1762.9	1766.5	1750.3	1737.6	1708.7	1699.7	1694.3	1676.2	1685.2	1690.7	1678.0
72.5°	1589.5	1569.6	1562.4	1557.0	1535.3	1519.1	1501.0	1488.4	1482.9	1486.5	1472.1
75°	1313.1	1352.9	1331.2	1320.4	1305.9	1298.7	1251.7	1237.3	1235.5	1249.9	1249.9
77.5°	998.9	1020.5	1006.1	1011.5	989.8	986.2	968.2	951.9	939.3	935.6	899.5
80°	518.4	534.7	538.3	556.3	552.7	541.9	529.2	482.3	469.6	476.9	442.5
82.5°	93.9	97.5	99.3	101.2	93.9	97.5	99.3	90.3	95.7	93.9	90.3
85°	54.2	54.2	56.0	56.0	52.4	48.8	52.4	50.6	50.6	54.2	54.2
87.5°	47.0	48.8	50.6	50.6	45.2	41.5	45.2	45.2	47.0	48.8	48.8
90°	48.8	48.8	52.4	52.4	47.0	43.4	48.8	50.6	50.6	50.6	52.4
92.5°	65.0	63.2	65.0	65.0	59.6	56.0	63.2	63.2	63.2	63.2	65.0
95°	63.2	61.4	63.2	61.4	57.8	54.2	59.6	61.4	61.4	61.4	63.2
97.5°	54.2	54.2	54.2	54.2	48.8	47.0	54.2	54.2	52.4	52.4	54.2
100°	41.5	39.7	39.7	39.7	37.9	37.9	41.5	39.7	37.9	39.7	41.5
102.5°	27.1	27.1	27.1	27.1	27.1	27.1	27.1	25.3	25.3	25.3	28.9
105°	16.3	16.3	14.5	14.5	14.5	14.5	14.5	12.6	12.6	12.6	16.3
107.5°	5.4	5.4	3.6	3.6	3.6	3.6	3.6	1.8	1.8	1.8	5.4
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°	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0	457.0
2.5°	453.4	453.4	455.2	453.4	453.4	451.6	449.8	448.0	449.8	449.8
5°	453.4	455.2	453.4	451.6	449.8	448.0	448.0	444.3	444.3	446.1
7.5°	451.6	455.2	451.6	449.8	444.3	442.5	440.7	437.1	437.1	437.1
10°	449.8	449.8	448.0	440.7	437.1	431.7	429.9	426.3	424.5	422.7
12.5°	449.8	449.8	444.3	438.9	433.5	426.3	424.5	420.9	419.1	417.2
15°	455.2	457.0	453.4	446.1	437.1	435.3	429.9	428.1	426.3	429.9
17.5°	464.2	462.4	458.8	451.6	446.1	444.3	437.1	437.1	435.3	438.9
20°	473.2	469.6	466.0	462.4	455.2	451.6	451.6	446.1	448.0	444.3
22.5°	484.1	485.9	480.5	475.0	469.6	467.8	466.0	466.0	464.2	464.2
25°	502.1	502.1	498.5	493.1	489.5	485.9	484.1	485.9	482.3	487.7
27.5°	523.8	522.0	522.0	518.4	513.0	511.2	509.4	511.2	509.4	509.4
30°	545.5	549.1	545.5	543.7	540.1	540.1	538.3	538.3	540.1	538.3
32.5°	579.8	581.6	581.6	579.8	576.2	574.4	574.4	576.2	579.8	578.0
35°	625.0	626.8	630.4	634.0	634.0	630.4	626.8	625.0	626.8	626.8
37.5°	684.6	686.4	690.0	690.0	688.2	686.4	688.2	691.8	684.6	684.6
40°	746.0	744.2	747.8	751.4	753.2	751.4	749.6	753.2	756.8	762.2
42.5°	814.6	818.2	820.0	827.3	830.9	830.9	829.1	834.5	836.3	836.3
45°	895.9	904.9	901.3	914.0	924.8	926.6	921.2	924.8	921.2	924.8
47.5°	989.8	997.1	1004.3	1015.1	1020.5	1024.1	1022.3	1026.0	1029.6	1029.6
50°	1096.4	1101.8	1114.5	1128.9	1137.9	1137.9	1130.7	1137.9	1145.2	1143.4
52.5°	1208.4	1219.2	1231.9	1244.5	1251.7	1253.5	1253.5	1259.0	1257.2	1257.2
55°	1325.8	1334.8	1351.1	1358.3	1367.3	1370.9	1370.9	1372.8	1370.9	1370.9
57.5°	1437.8	1448.6	1461.3	1475.7	1484.7	1488.4	1484.7	1484.7	1484.7	1481.1
60°	1553.4	1560.6	1573.2	1584.1	1589.5	1596.7	1596.7	1594.9	1593.1	1591.3
62.5°	1659.9	1663.6	1667.2	1669.0	1674.4	1688.8	1688.8	1697.9	1697.9	1696.1
65°	1799.0	1782.8	1768.3	1771.9	1784.6	1797.2	1808.1	1844.2	1862.2	1869.5
67.5°	1826.1	1802.6	1781.0	1779.2	1786.4	1790.0	1795.4	1815.3	1835.2	1835.2
70°	1667.2	1652.7	1632.9	1641.9	1647.3	1641.9	1649.1	1661.8	1679.8	1663.6
72.5°	1461.3	1437.8	1452.2	1461.3	1452.2	1445.0	1448.6	1446.8	1459.5	1472.1
75°	1233.7	1184.9	1184.9	1184.9	1188.5	1172.3	1172.3	1174.1	1197.5	1165.0
77.5°	914.0	879.6	870.6	834.5	830.9	809.2	823.7	814.6	836.3	823.7
80°	426.3	411.8	406.4	370.3	363.1	305.3	326.9	290.8	301.6	270.9
82.5°	88.5	86.7	84.9	75.9	68.6	59.6	70.4	79.5	81.3	79.5
85°	56.0	57.8	57.8	54.2	50.6	45.2	54.2	66.8	70.4	70.4
87.5°	48.8	50.6	50.6	48.8	45.2	39.7	45.2	50.6	52.4	50.6
90°	52.4	54.2	52.4	50.6	47.0	41.5	47.0	48.8	39.7	41.5
92.5°	63.2	63.2	61.4	61.4	59.6	52.4	57.8	47.0	18.1	5.4
95°	61.4	59.6	59.6	57.8	56.0	47.0	47.0	12.6	0.0	0.0
97.5°	52.4	48.8	48.8	47.0	47.0	39.7	28.9	0.0	0.0	0.0
100°	39.7	34.3	34.3	32.5	32.5	27.1	10.8	0.0	0.0	0.0
102.5°	27.1	21.7	19.9	18.1	18.1	16.3	1.8	0.0	0.0	0.0
105°	14.5	9.0	7.2	5.4	5.4	3.6	0.0	0.0	0.0	0.0
107.5°	5.4	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-C016-5TLD-U-T5R-8027

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)