

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: P691287

Luminaire Tested: **CRTK2-C015-5TLD-U-T5R-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691287
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-C015-5TLD-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: 4591 lumens
Efficiency: N/A
Efficacy: 140.4 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type V - Short
BUG Rating: B3 - U2 - G1

Input Watts (W): 32.7
Input Voltage (V): NR
Input Current (A_{in}): 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

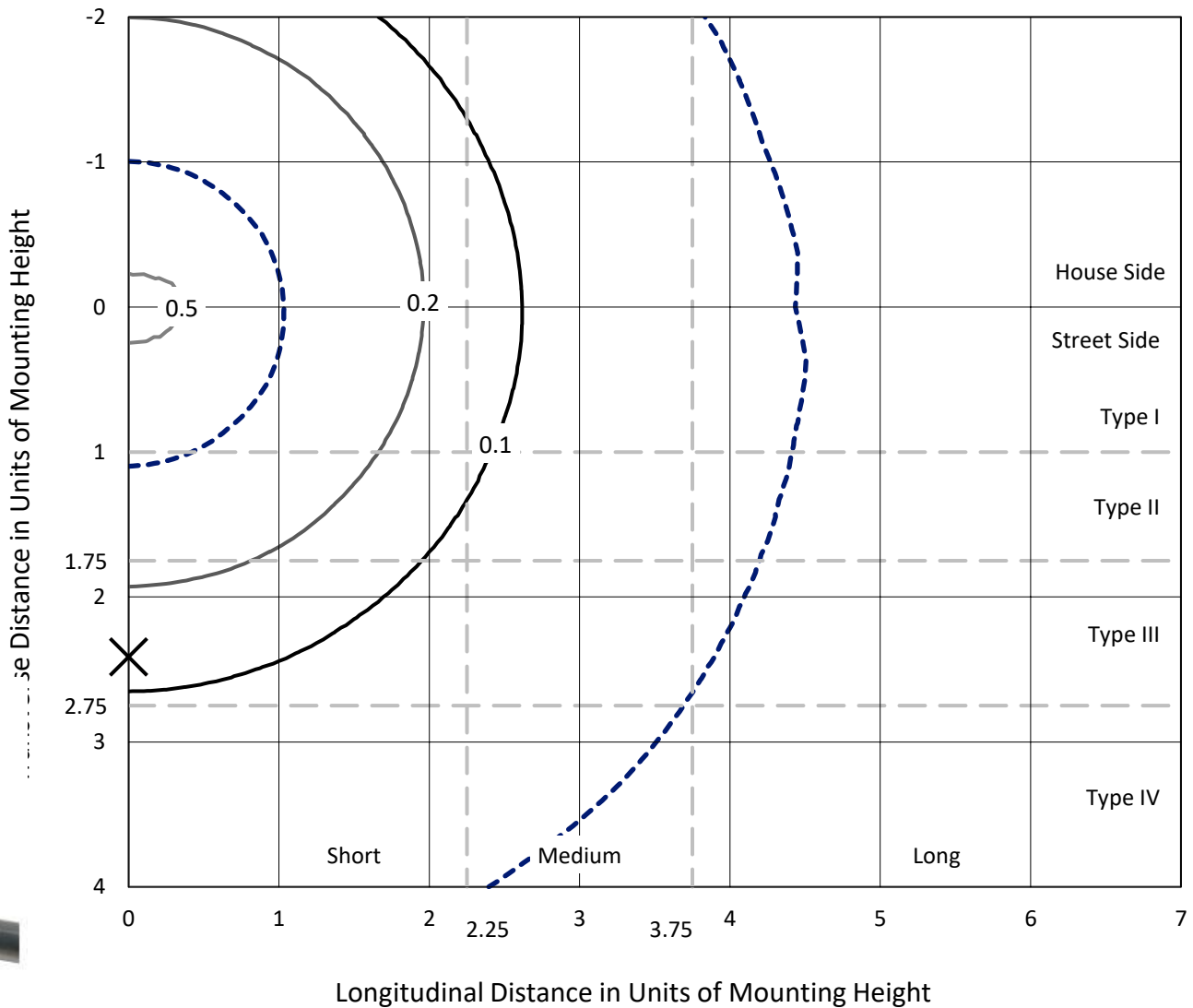


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Iso-Footcandle Lines of Horizontal Illumination

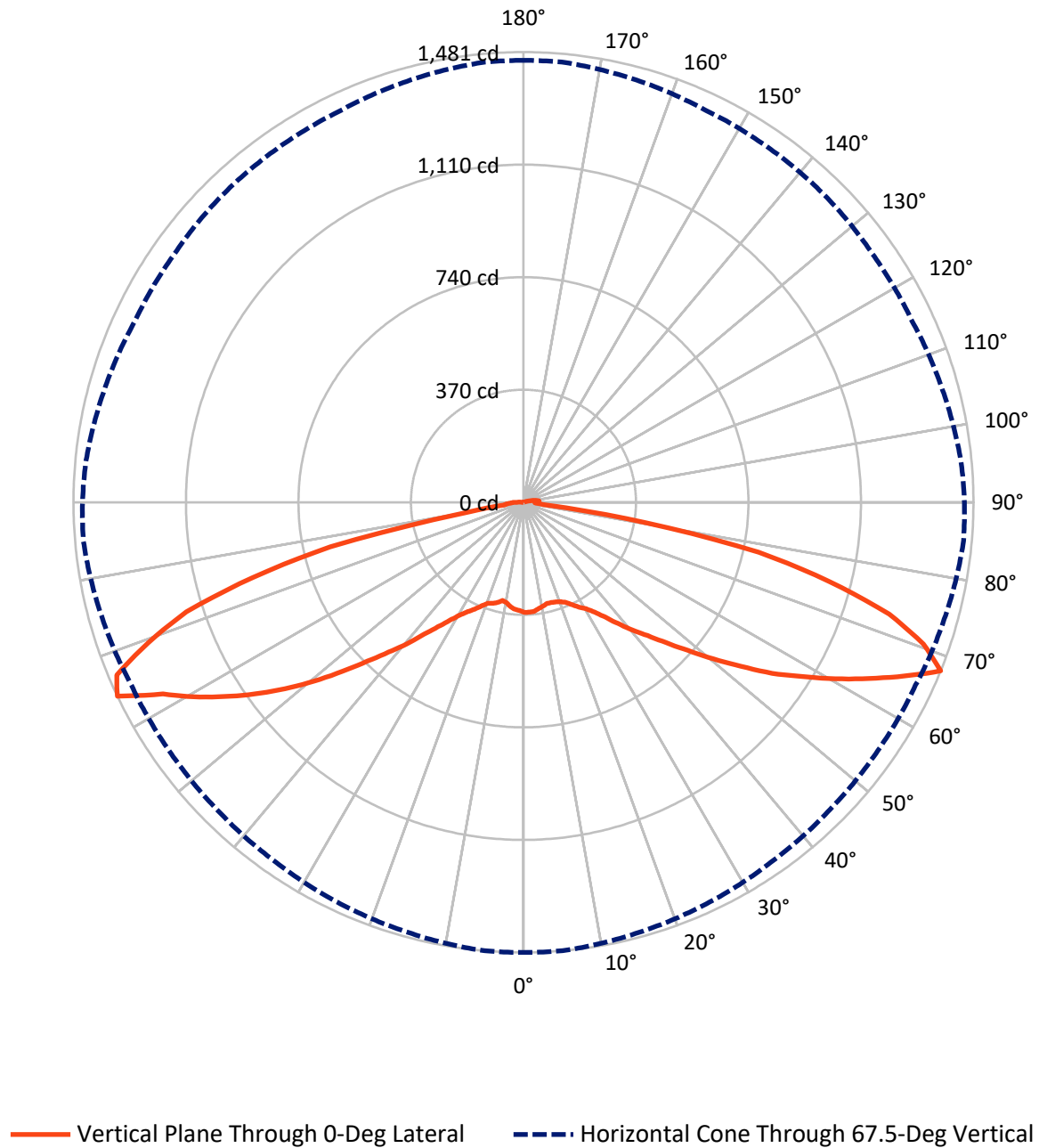
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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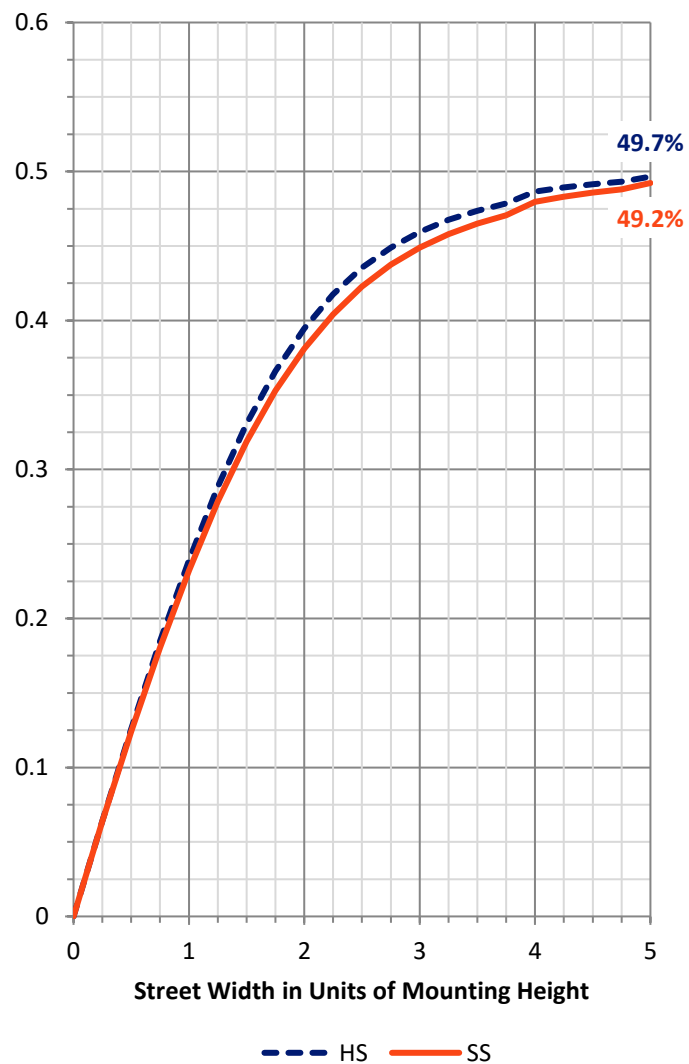
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2273.1	21.5	2294.6
	% Fixture	49.5	0.5	50.0
Street Side	Lumens	2265.9	30.5	2296.4
	% Fixture	49.4	0.7	50.0
Total	Lumens	4539.0	52.0	4591.0
	% Fixture	98.9	1.1	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	33.9	0.7
10°-20°	99.9	2.2
20°-30°	180.6	3.9
30°-40°	311.4	6.8
40°-50°	552.5	12.0
50°-60°	940.5	20.5
60°-70°	1347.5	29.4
70°-80°	979.7	21.3
80°-90°	93.0	2.0
90°-100°	42.0	0.9
100°-110°	10.0	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°	4539.0	98.9
0°-180°	4591.0	100.0

Coefficient of Utilization



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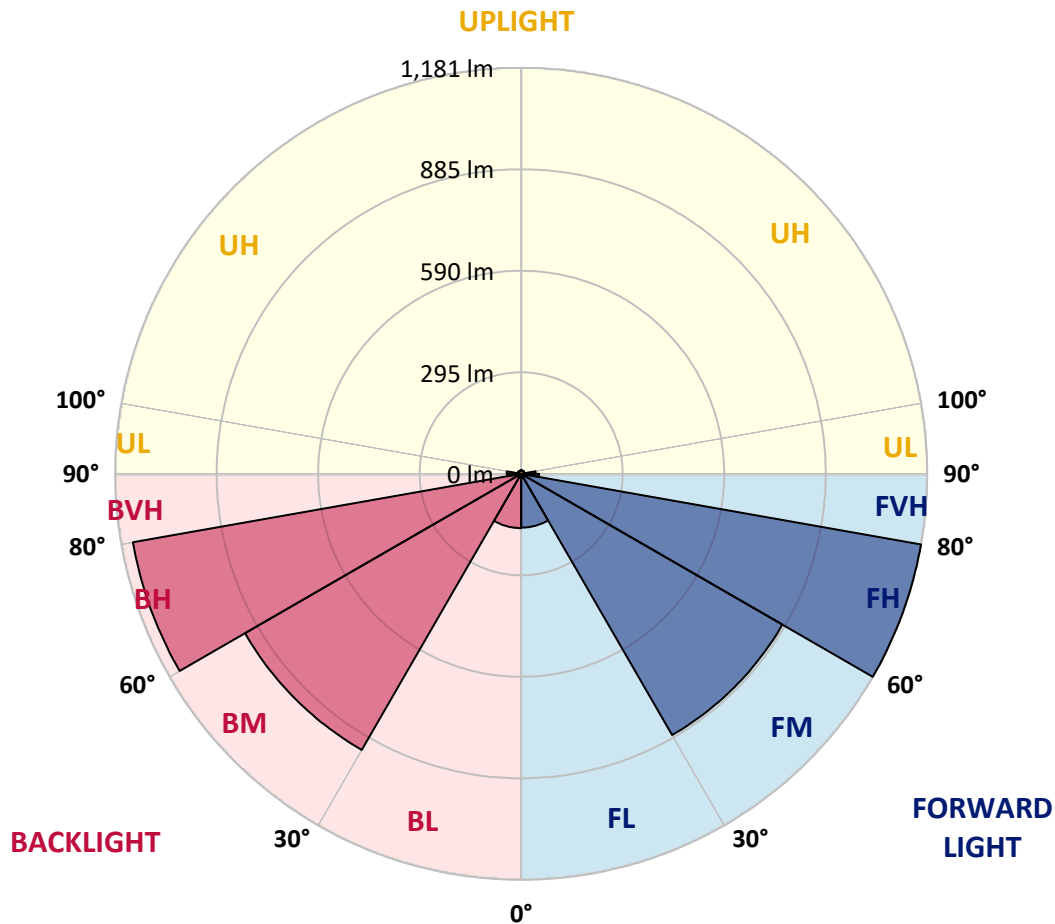
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	156.5	3.4			
FM	(30°-60°)	877.1	19.1			
FH	(60°-80°)	1180.6	25.7			G1/1800
FVH	(80°-90°)	51.7	1.1			G1/100
BL	(0°-30°)	157.9	3.4	B1/500		
BM	(30°-60°)	927.3	20.2	B1/1000		
BH	(60°-80°)	1146.6	25.0	B3/2500		G1/1800
BVH	(80°-90°)	41.4	0.9			G1/100
UL	(90°-100°)	42.0	0.9		U2/50	
UH	(100°-180°)	10.0	0.2		U2/50	

BUG Rating: B3-U2-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9
2.5°	361.9	361.9	361.9	361.9	361.9	361.9	360.5	357.6	357.6	357.6	357.6
5°	360.5	360.5	360.5	360.5	361.9	361.9	361.9	359.1	359.1	359.1	359.1
7.5°	353.3	353.3	354.8	354.8	356.2	357.6	356.2	356.2	356.2	357.6	357.6
10°	347.6	347.6	349.0	349.0	350.5	350.5	353.3	353.3	354.8	356.2	356.2
12.5°	341.9	341.9	343.3	346.2	347.6	349.0	350.5	351.9	354.8	356.2	356.2
15°	341.9	341.9	341.9	344.7	349.0	351.9	353.3	356.2	359.1	360.5	361.9
17.5°	344.7	344.7	344.7	347.6	350.5	354.8	359.1	360.5	363.3	366.2	366.2
20°	349.0	349.0	350.5	353.3	357.6	360.5	363.3	367.6	370.5	373.4	374.8
22.5°	357.6	359.1	359.1	360.5	364.8	369.1	371.9	374.8	379.1	381.9	384.8
25°	373.4	371.9	371.9	374.8	377.6	381.9	383.4	386.2	390.5	394.8	396.2
27.5°	390.5	389.1	389.1	392.0	394.8	397.7	399.1	403.4	407.7	412.0	413.4
30°	406.3	406.3	407.7	410.5	413.4	417.7	419.1	423.4	426.3	432.0	432.0
32.5°	430.6	432.0	433.4	434.9	437.7	442.0	446.3	447.7	450.6	454.9	457.8
35°	463.5	466.3	466.3	467.8	474.9	479.2	476.4	480.6	484.9	490.7	493.5
37.5°	506.4	505.0	509.3	515.0	516.4	520.7	519.3	522.1	527.8	535.0	539.3
40°	552.2	553.6	553.6	555.0	559.3	560.7	566.5	570.8	576.5	586.5	589.4
42.5°	599.4	602.2	605.1	606.5	613.7	615.1	619.4	625.1	632.3	639.4	642.3
45°	658.0	656.6	663.7	666.6	673.8	682.3	682.3	685.2	696.6	703.8	708.1
47.5°	728.1	731.0	735.3	739.6	751.0	752.4	759.6	763.9	771.0	778.2	779.6
50°	809.7	809.7	813.9	822.5	829.7	836.8	841.1	846.8	852.6	864.0	869.7
52.5°	895.5	896.9	902.6	911.2	922.7	924.1	928.4	938.4	942.7	945.5	955.6
55°	992.8	988.5	992.8	1005.6	1018.5	1017.1	1018.5	1029.9	1037.1	1042.8	1045.7
57.5°	1081.4	1081.4	1085.7	1095.7	1098.6	1102.9	1104.3	1114.3	1122.9	1130.1	1131.5
60°	1178.7	1177.3	1180.1	1188.7	1198.7	1198.7	1197.3	1207.3	1215.9	1217.3	1227.4
62.5°	1276.0	1271.7	1274.6	1280.3	1286.0	1280.3	1286.0	1294.6	1301.7	1307.5	1310.3
65°	1377.6	1371.8	1373.3	1367.5	1359.0	1351.8	1364.7	1389.0	1410.5	1421.9	1423.3
67.5°	1480.5	1480.5	1464.8	1450.5	1436.2	1427.6	1423.3	1423.3	1437.6	1453.4	1450.5
70°	1396.1	1399.0	1386.1	1376.1	1353.2	1346.1	1341.8	1327.5	1334.6	1338.9	1328.9
72.5°	1258.8	1243.1	1237.4	1233.1	1215.9	1203.0	1188.7	1178.7	1174.4	1177.3	1165.8
75°	1040.0	1071.4	1054.3	1045.7	1034.2	1028.5	991.3	979.9	978.4	989.9	989.9
77.5°	791.1	808.2	796.8	801.1	783.9	781.0	766.7	753.9	743.9	741.0	712.4
80°	410.5	423.4	426.3	440.6	437.7	429.1	419.1	381.9	371.9	377.6	350.5
82.5°	74.4	77.2	78.7	80.1	74.4	77.2	78.7	71.5	75.8	74.4	71.5
85°	42.9	42.9	44.3	44.3	41.5	38.6	41.5	40.1	40.1	42.9	42.9
87.5°	37.2	38.6	40.1	40.1	35.8	32.9	35.8	35.8	37.2	38.6	38.6
90°	38.6	38.6	41.5	41.5	37.2	34.3	38.6	40.1	40.1	40.1	41.5
92.5°	51.5	50.1	51.5	51.5	47.2	44.3	50.1	50.1	50.1	50.1	51.5
95°	50.1	48.6	50.1	48.6	45.8	42.9	47.2	48.6	48.6	48.6	50.1
97.5°	42.9	42.9	42.9	42.9	38.6	37.2	42.9	42.9	41.5	41.5	42.9
100°	32.9	31.5	31.5	31.5	30.0	30.0	32.9	31.5	30.0	31.5	32.9
102.5°	21.5	21.5	21.5	21.5	21.5	21.5	21.5	20.0	20.0	20.0	22.9
105°	12.9	12.9	11.4	11.4	11.4	11.4	11.4	10.0	10.0	10.0	12.9
107.5°	4.3	4.3	2.9	2.9	2.9	2.9	2.9	1.4	1.4	1.4	4.3
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°	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9	361.9
2.5°	359.1	359.1	360.5	359.1	359.1	357.6	356.2	354.8	356.2	356.2
5°	359.1	360.5	359.1	357.6	356.2	354.8	354.8	351.9	351.9	353.3
7.5°	357.6	360.5	357.6	356.2	351.9	350.5	349.0	346.2	346.2	346.2
10°	356.2	356.2	354.8	349.0	346.2	341.9	340.5	337.6	336.2	334.7
12.5°	356.2	356.2	351.9	347.6	343.3	337.6	336.2	333.3	331.9	330.4
15°	360.5	361.9	359.1	353.3	346.2	344.7	340.5	339.0	337.6	340.5
17.5°	367.6	366.2	363.3	357.6	353.3	351.9	346.2	346.2	344.7	347.6
20°	374.8	371.9	369.1	366.2	360.5	357.6	357.6	353.3	354.8	351.9
22.5°	383.4	384.8	380.5	376.2	371.9	370.5	369.1	369.1	367.6	367.6
25°	397.7	397.7	394.8	390.5	387.7	384.8	383.4	384.8	381.9	386.2
27.5°	414.8	413.4	413.4	410.5	406.3	404.8	403.4	404.8	403.4	403.4
30°	432.0	434.9	432.0	430.6	427.7	427.7	426.3	426.3	427.7	426.3
32.5°	459.2	460.6	460.6	459.2	456.3	454.9	454.9	456.3	459.2	457.8
35°	494.9	496.4	499.2	502.1	502.1	499.2	496.4	494.9	496.4	496.4
37.5°	542.2	543.6	546.4	546.4	545.0	543.6	545.0	547.9	542.2	542.2
40°	590.8	589.4	592.2	595.1	596.5	595.1	593.6	596.5	599.4	603.7
42.5°	645.1	648.0	649.4	655.2	658.0	658.0	656.6	660.9	662.3	662.3
45°	709.5	716.7	713.8	723.8	732.4	733.8	729.5	732.4	729.5	732.4
47.5°	783.9	789.6	795.3	803.9	808.2	811.1	809.7	812.5	815.4	815.4
50°	868.3	872.6	882.6	894.1	901.2	901.2	895.5	901.2	906.9	905.5
52.5°	957.0	965.6	975.6	985.6	991.3	992.8	992.8	997.0	995.6	995.6
55°	1050.0	1057.1	1070.0	1075.7	1082.9	1085.7	1085.7	1087.2	1085.7	1085.7
57.5°	1138.7	1147.2	1157.3	1168.7	1175.9	1178.7	1175.9	1175.9	1175.9	1173.0
60°	1230.2	1235.9	1245.9	1254.5	1258.8	1264.5	1264.5	1263.1	1261.7	1260.3
62.5°	1314.6	1317.5	1320.3	1321.8	1326.1	1337.5	1337.5	1344.7	1344.7	1343.2
65°	1424.8	1411.9	1400.4	1403.3	1413.3	1423.3	1431.9	1460.5	1474.8	1480.5
67.5°	1446.2	1427.6	1410.5	1409.0	1414.7	1417.6	1421.9	1437.6	1453.4	1453.4
70°	1320.3	1308.9	1293.2	1300.3	1304.6	1300.3	1306.0	1316.0	1330.3	1317.5
72.5°	1157.3	1138.7	1150.1	1157.3	1150.1	1144.4	1147.2	1145.8	1155.8	1165.8
75°	977.0	938.4	938.4	938.4	941.3	928.4	928.4	929.8	948.4	922.7
77.5°	723.8	696.6	689.5	660.9	658.0	640.9	652.3	645.1	662.3	652.3
80°	337.6	326.1	321.9	293.2	287.5	241.8	258.9	230.3	238.9	214.6
82.5°	70.1	68.7	67.2	60.1	54.4	47.2	55.8	62.9	64.4	62.9
85°	44.3	45.8	45.8	42.9	40.1	35.8	42.9	52.9	55.8	55.8
87.5°	38.6	40.1	40.1	38.6	35.8	31.5	35.8	40.1	41.5	40.1
90°	41.5	42.9	41.5	40.1	37.2	32.9	37.2	38.6	31.5	32.9
92.5°	50.1	50.1	48.6	48.6	47.2	41.5	45.8	37.2	14.3	4.3
95°	48.6	47.2	47.2	45.8	44.3	37.2	37.2	10.0	0.0	0.0
97.5°	41.5	38.6	38.6	37.2	37.2	31.5	22.9	0.0	0.0	0.0
100°	31.5	27.2	27.2	25.7	25.7	21.5	8.6	0.0	0.0	0.0
102.5°	21.5	17.2	15.7	14.3	14.3	12.9	1.4	0.0	0.0	0.0
105°	11.4	7.2	5.7	4.3	4.3	2.9	0.0	0.0	0.0	0.0
107.5°	4.3	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-C015-5TLD-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)