

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: P691259

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-8027**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691259
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-T3-8027
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4367 lumens
Efficiency: N/A
Efficacy: 133.5 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 (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

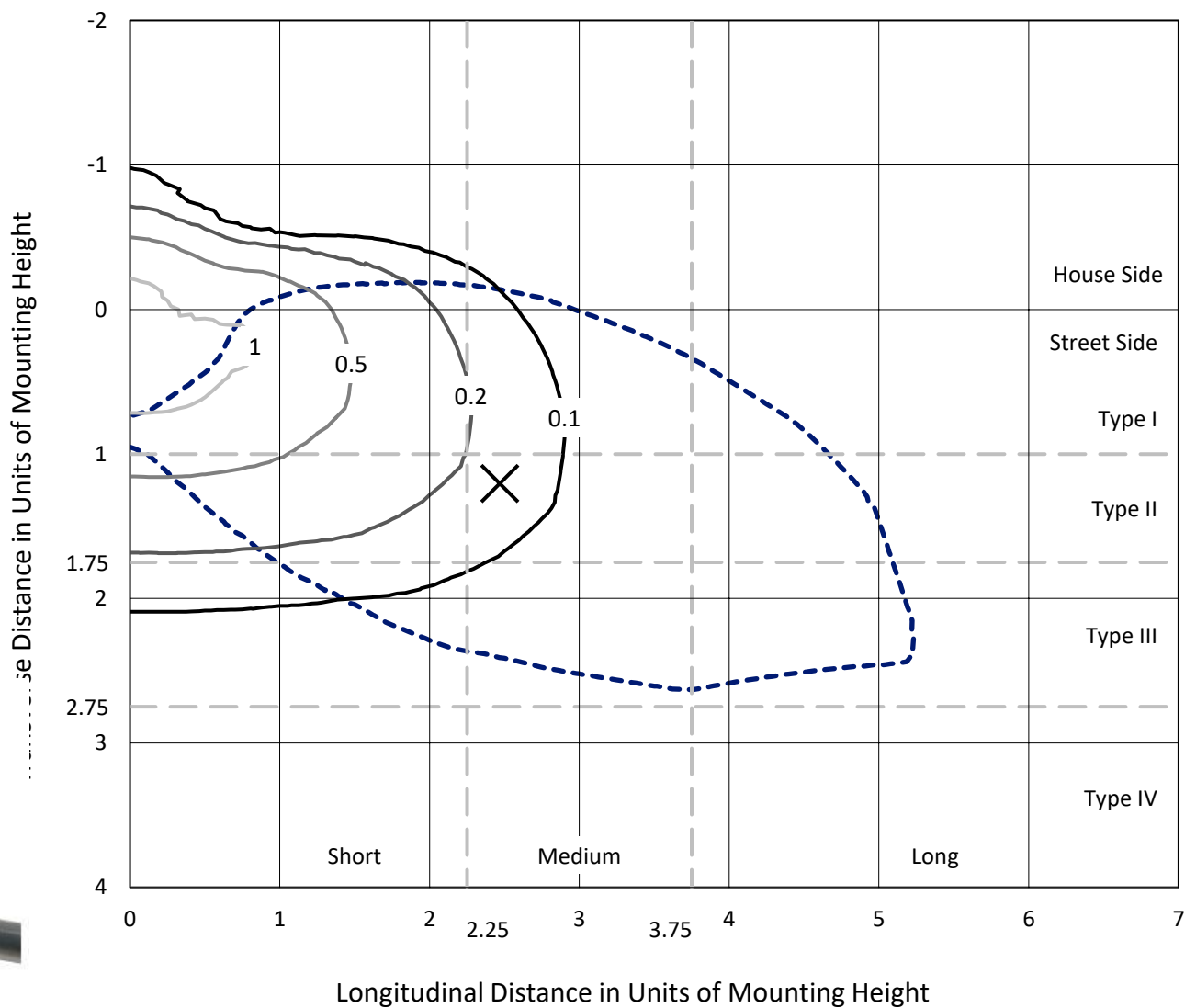


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

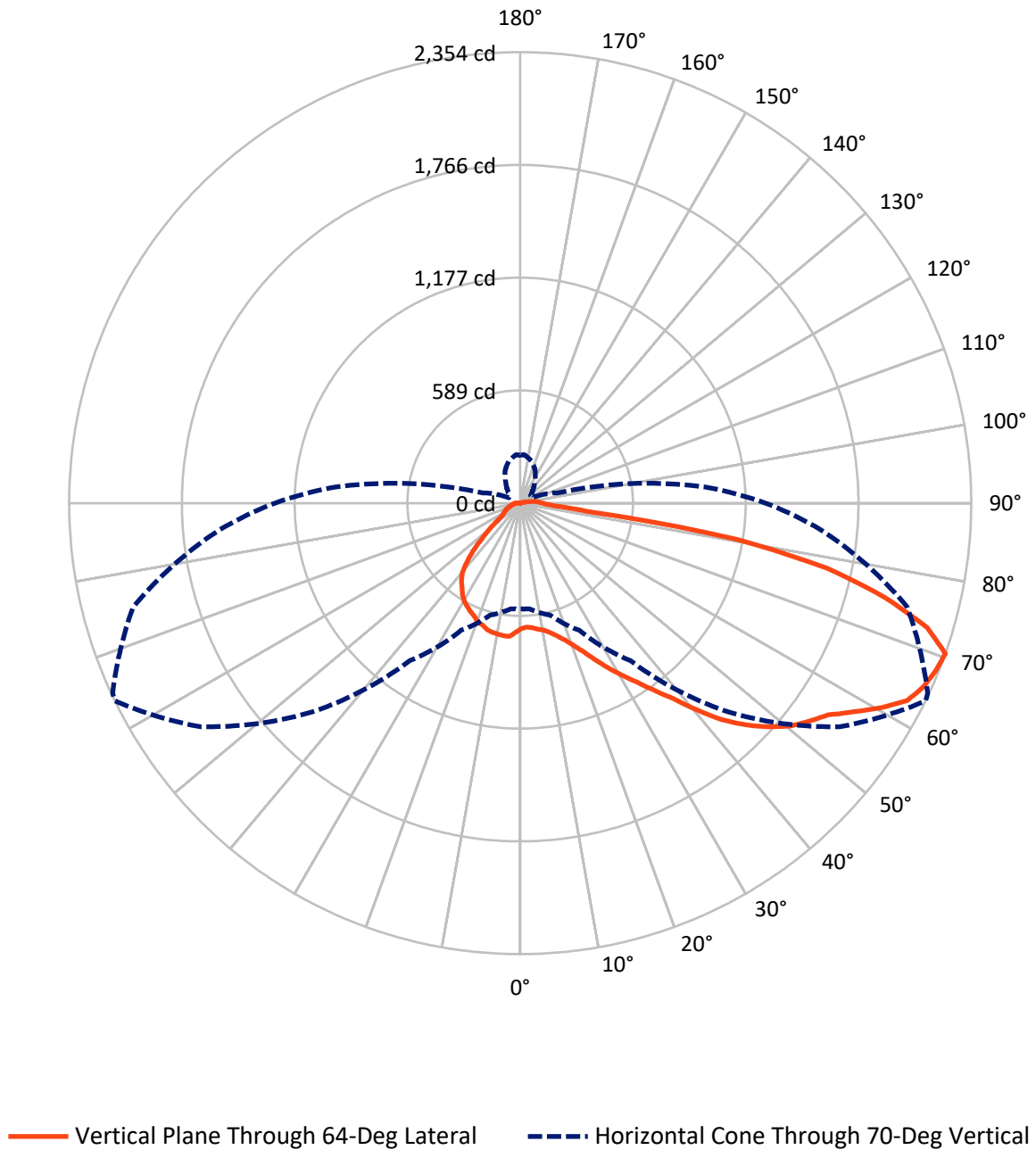
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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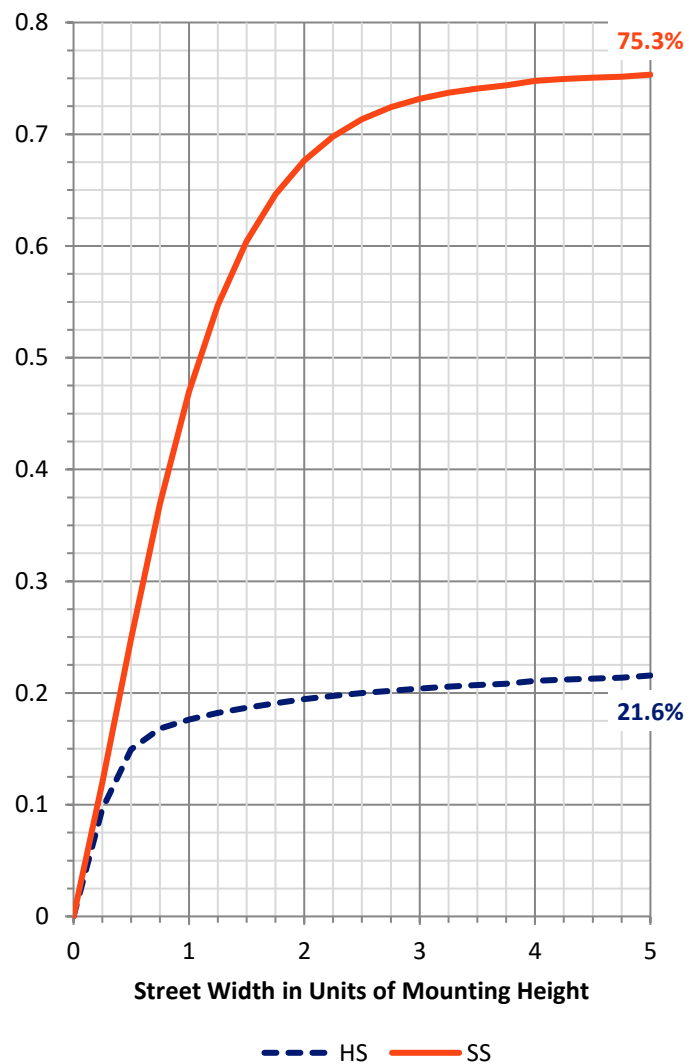
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	995.5	26.9	1022.5
	% Fixture	22.8	0.6	23.4
Street Side	Lumens	3309.7	34.8	3344.5
	% Fixture	75.8	0.8	76.6
Total	Lumens	4305.2	61.8	4367.0
	% Fixture	98.6	1.4	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.3	1.5
10°-20°	203.3	4.7
20°-30°	352.7	8.1
30°-40°	511.9	11.7
40°-50°	686.9	15.7
50°-60°	830.5	19.0
60°-70°	894.0	20.5
70°-80°	614.0	14.1
80°-90°	146.5	3.4
90°-100°	53.0	1.2
100°-110°	6.6	0.2
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.4	0.0
140°-150°	0.3	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4305.2	98.6
0°-180°	4367.0	100.0

Coefficient of Utilization



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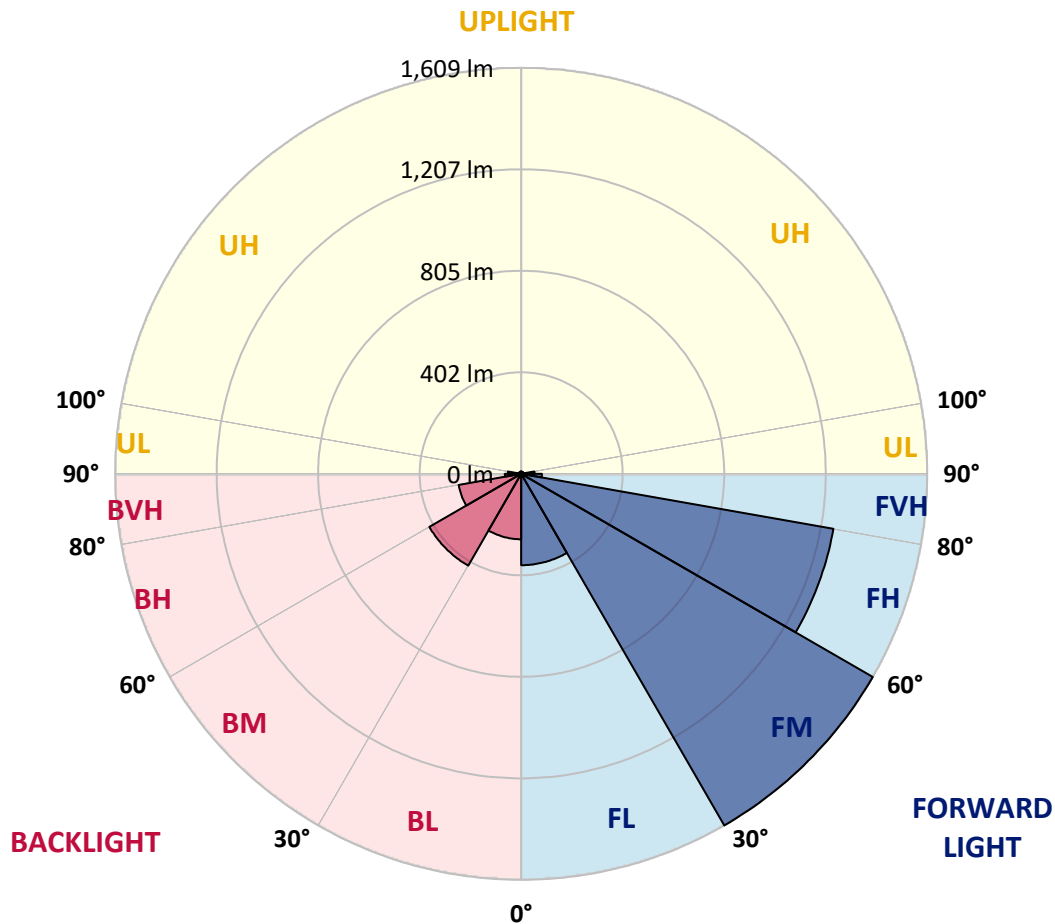
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	362.1	8.3			
FM	(30°-60°)	1609.1	36.8			
FH	(60°-80°)	1256.5	28.8			G1/1800
FVH	(80°-90°)	82.0	1.9			G1/100
BL	(0°-30°)	259.3	5.9	B1/500		
BM	(30°-60°)	420.2	9.6	B1/1000		
BH	(60°-80°)	251.6	5.8	B1/500		G1/500
BVH	(80°-90°)	64.6	1.5			G1/100
UL	(90°-100°)	53.0	1.2		U3/500	
UH	(100°-180°)	8.7	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°	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4
2.5°	649.7	649.7	648.2	648.2	649.7	651.1	649.7	648.2	649.7	651.1	655.4
5°	675.4	674.0	672.6	666.8	661.1	656.8	654.0	652.5	654.0	659.7	669.7
7.5°	692.6	691.2	691.2	689.7	684.0	672.6	665.4	664.0	664.0	665.4	678.3
10°	728.4	725.5	719.8	709.8	704.0	689.7	676.9	674.0	674.0	676.9	692.6
12.5°	767.0	761.3	762.7	751.3	734.1	718.4	699.7	692.6	689.7	692.6	701.2
15°	820.0	815.7	804.2	791.3	774.2	752.7	729.8	718.4	716.9	721.2	714.1
17.5°	858.6	852.9	854.3	835.7	821.4	792.8	771.3	749.8	749.8	755.6	737.0
20°	898.7	895.8	900.1	895.8	874.3	848.6	817.1	791.3	787.0	789.9	762.7
22.5°	950.2	945.9	945.9	947.3	930.1	904.4	867.2	841.4	840.0	828.5	791.3
25°	1003.1	998.8	997.4	1000.3	997.4	967.3	928.7	902.9	898.7	882.9	830.0
27.5°	1053.2	1053.2	1054.6	1057.5	1061.8	1037.5	1000.3	971.6	971.6	954.5	881.5
30°	1090.4	1090.4	1103.3	1109.0	1113.3	1107.6	1067.5	1040.3	1043.2	1020.3	940.2
32.5°	1124.8	1126.2	1140.5	1154.8	1159.1	1163.4	1129.0	1111.9	1111.9	1090.4	1003.1
35°	1159.1	1159.1	1179.1	1207.7	1222.1	1217.8	1202.0	1196.3	1197.7	1193.4	1096.1
37.5°	1186.3	1189.1	1219.2	1255.0	1275.0	1282.2	1273.6	1292.2	1309.3	1322.2	1217.8
40°	1213.5	1213.5	1242.1	1280.7	1316.5	1336.5	1348.0	1418.1	1431.0	1435.3	1286.5
42.5°	1184.9	1192.0	1252.1	1309.3	1355.1	1389.5	1441.0	1545.5	1561.2	1512.5	1379.5
45°	1157.7	1166.2	1226.4	1322.2	1388.1	1456.7	1545.5	1651.4	1664.2	1591.3	1435.3
47.5°	1130.5	1140.5	1206.3	1310.8	1418.1	1531.1	1627.0	1744.4	1750.1	1655.6	1498.2
50°	1101.9	1111.9	1182.0	1297.9	1436.7	1607.0	1708.6	1828.8	1828.8	1712.9	1535.4
52.5°	1066.1	1077.5	1149.1	1277.9	1451.0	1658.5	1783.0	1890.3	1878.9	1781.6	1576.9
55°	1020.3	1036.0	1111.9	1249.2	1456.7	1685.7	1830.2	1950.4	1947.6	1866.0	1629.9
57.5°	971.6	984.5	1066.1	1212.0	1451.0	1704.3	1880.3	2054.9	2059.2	1939.0	1671.4
60°	917.3	925.8	1004.5	1160.5	1413.8	1737.2	1993.4	2166.5	2172.2	2006.2	1687.1
62.5°	845.7	851.4	925.8	1090.4	1363.7	1758.7	2074.9	2268.1	2265.2	2066.3	1690.0
65°	755.6	762.7	832.8	997.4	1289.3	1744.4	2095.0	2312.5	2315.3	2095.0	1685.7
67.5°	668.3	672.6	731.2	874.3	1169.1	1675.7	2074.9	2338.2	2351.1	2119.3	1644.2
70°	552.4	553.8	605.3	732.7	1003.1	1544.0	2034.9	2354.0	2346.8	2090.7	1572.6
72.5°	425.0	426.4	465.1	560.9	779.9	1315.1	1893.2	2220.9	2208.0	1933.3	1418.1
75°	301.9	307.7	330.6	393.5	522.3	960.2	1619.9	1966.2	1974.8	1720.0	1182.0
77.5°	171.7	177.4	196.0	246.1	300.5	538.0	1223.5	1639.9	1645.6	1446.7	907.2
80°	74.4	75.8	83.0	117.3	160.3	257.6	626.8	1149.1	1232.1	983.1	518.0
82.5°	63.0	63.0	65.8	68.7	70.1	117.3	243.3	356.3	367.8	290.5	168.9
85°	54.4	54.4	57.2	60.1	61.5	80.1	147.4	178.9	186.0	166.0	118.8
87.5°	42.9	42.9	47.2	50.1	50.1	65.8	110.2	133.1	137.4	133.1	105.9
90°	38.6	38.6	37.2	37.2	38.6	47.2	85.9	111.6	115.9	141.7	121.6
92.5°	32.9	34.3	34.3	34.3	30.1	34.3	61.5	98.7	107.3	140.2	110.2
95°	32.9	31.5	31.5	30.1	28.6	30.1	45.8	85.9	95.9	121.6	93.0
97.5°	22.9	21.5	22.9	24.3	25.8	27.2	38.6	63.0	70.1	94.4	68.7
100°	14.3	14.3	14.3	14.3	17.2	18.6	31.5	38.6	42.9	60.1	45.8
102.5°	8.6	7.2	7.2	7.2	8.6	11.4	15.7	21.5	22.9	34.3	27.2
105°	2.9	2.9	2.9	2.9	4.3	5.7	5.7	8.6	8.6	11.4	11.4
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4

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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	1.4	1.4
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	0.0	1.4	1.4
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4	1.4
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°	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4	655.4
2.5°	658.3	661.1	666.8	674.0	682.6	689.7	695.5	696.9	699.7	699.7	702.6
5°	672.6	678.3	686.9	696.9	701.2	698.3	698.3	699.7	702.6	709.8	712.6
7.5°	688.3	692.6	692.6	696.9	705.5	702.6	701.2	699.7	699.7	696.9	701.2
10°	694.0	688.3	695.5	694.0	691.2	696.9	698.3	689.7	691.2	691.2	692.6
12.5°	695.5	695.5	689.7	689.7	689.7	676.9	674.0	681.1	674.0	676.9	675.4
15°	711.2	699.7	692.6	684.0	672.6	668.3	658.3	646.8	646.8	649.7	649.7
17.5°	722.6	711.2	689.7	666.8	662.5	642.5	635.4	632.5	631.1	632.5	635.4
20°	739.8	722.6	686.9	664.0	626.8	619.6	606.7	605.3	602.4	592.4	589.6
22.5°	762.7	735.5	685.4	639.6	609.6	585.3	562.4	548.1	546.6	539.5	535.2
25°	788.5	761.3	691.2	628.2	578.1	542.3	523.7	490.8	475.1	480.8	477.9
27.5°	841.4	791.3	701.2	612.5	552.4	496.6	453.6	433.6	413.6	413.6	416.4
30°	890.1	830.0	701.2	598.1	509.4	442.2	386.4	354.9	346.3	340.6	337.7
32.5°	963.0	878.6	731.2	578.1	469.4	372.1	309.1	271.9	273.3	279.0	277.6
35°	1047.5	955.9	739.8	549.5	410.7	301.9	239.0	218.9	230.4	233.2	233.2
37.5°	1149.1	1050.3	778.5	526.6	349.2	223.2	188.9	180.3	190.3	188.9	194.6
40°	1204.9	1096.1	811.4	498.0	267.6	164.6	146.0	140.2	156.0	168.9	171.7
42.5°	1283.6	1150.5	842.8	443.6	181.7	120.2	111.6	130.2	153.1	167.4	168.9
45°	1326.5	1182.0	830.0	376.3	115.9	97.3	108.8	131.7	156.0	170.3	171.7
47.5°	1378.0	1223.5	807.1	293.4	93.0	95.9	110.2	134.5	160.3	173.1	173.1
50°	1429.5	1265.0	751.3	230.4	87.3	94.4	113.0	135.9	158.8	167.4	167.4
52.5°	1459.6	1300.8	685.4	167.4	85.9	94.4	114.5	137.4	157.4	161.7	161.7
55°	1486.8	1303.6	628.2	124.5	84.4	95.9	115.9	140.2	158.8	163.1	161.7
57.5°	1502.5	1285.0	588.1	107.3	83.0	95.9	117.3	143.1	170.3	180.3	177.4
60°	1493.9	1256.4	558.1	100.2	81.6	95.9	118.8	151.7	216.1	233.2	227.5
62.5°	1479.6	1236.4	495.1	91.6	78.7	95.9	120.2	171.7	240.4	249.0	241.8
65°	1461.0	1177.7	423.6	83.0	75.8	94.4	121.6	186.0	229.0	229.0	227.5
67.5°	1383.8	1099.0	316.2	74.4	71.5	94.4	124.5	183.2	220.4	239.0	239.0
70°	1280.7	967.3	208.9	65.8	67.3	91.6	130.2	186.0	227.5	253.3	250.4
72.5°	1084.7	802.8	115.9	57.2	61.5	90.2	130.2	197.5	246.1	274.7	270.5
75°	885.8	593.9	83.0	51.5	55.8	87.3	131.7	204.6	263.3	293.4	286.2
77.5°	623.9	340.6	65.8	44.4	50.1	83.0	130.2	201.8	271.9	299.1	290.5
80°	263.3	123.1	54.4	40.1	42.9	74.4	120.2	193.2	271.9	316.2	312.0
82.5°	118.8	87.3	47.2	35.8	40.1	61.5	111.6	186.0	263.3	317.7	343.4
85°	93.0	71.5	40.1	31.5	35.8	58.7	100.2	177.4	251.9	293.4	322.0
87.5°	88.7	71.5	35.8	28.6	32.9	50.1	77.3	164.6	226.1	270.5	293.4
90°	95.9	74.4	28.6	24.3	30.1	44.4	63.0	138.8	196.0	237.5	237.5
92.5°	88.7	68.7	21.5	18.6	31.5	35.8	60.1	85.9	141.7	118.8	147.4
95°	74.4	57.2	14.3	12.9	30.1	30.1	32.9	40.1	98.7	2.9	0.0
97.5°	54.4	41.5	8.6	7.2	22.9	24.3	15.7	18.6	40.1	0.0	0.0
100°	40.1	27.2	5.7	5.7	14.3	20.0	10.0	10.0	0.0	0.0	0.0
102.5°	21.5	14.3	4.3	2.9	7.2	11.4	4.3	2.9	0.0	0.0	0.0
105°	11.4	5.7	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-8027

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
115°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
122.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
125°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
130°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
132.5°	1.4	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0
135°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
137.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
140°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
142.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
145°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
147.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
150°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
157.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.4	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.4	1.4	1.4	1.4	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.4	1.4	1.4	1.4	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)