

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: P691236

Luminaire Tested: **CRTK2-C015-5TLD-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691236
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4553 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U2 - G1

Input Watts (W): 32.7
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

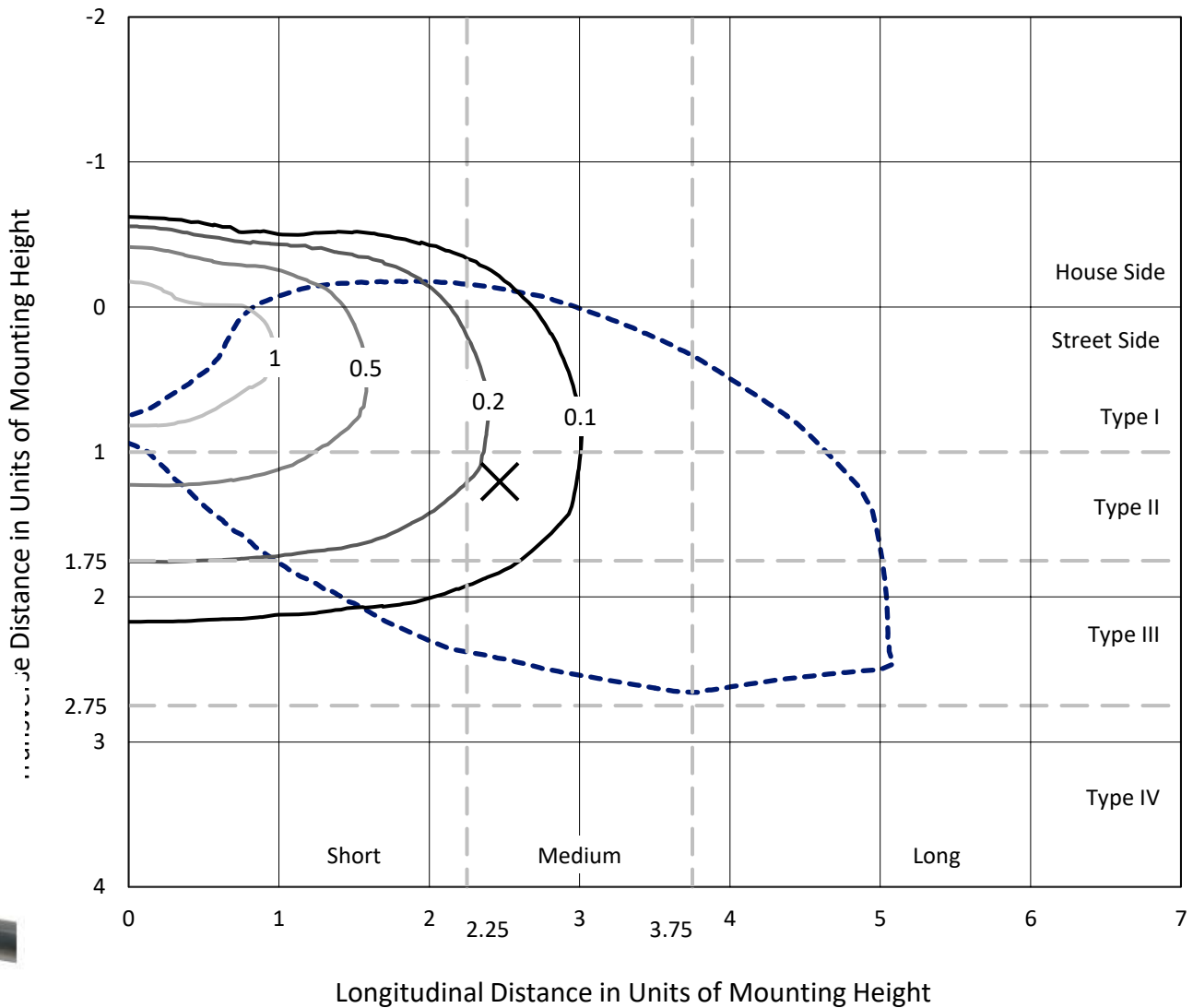


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

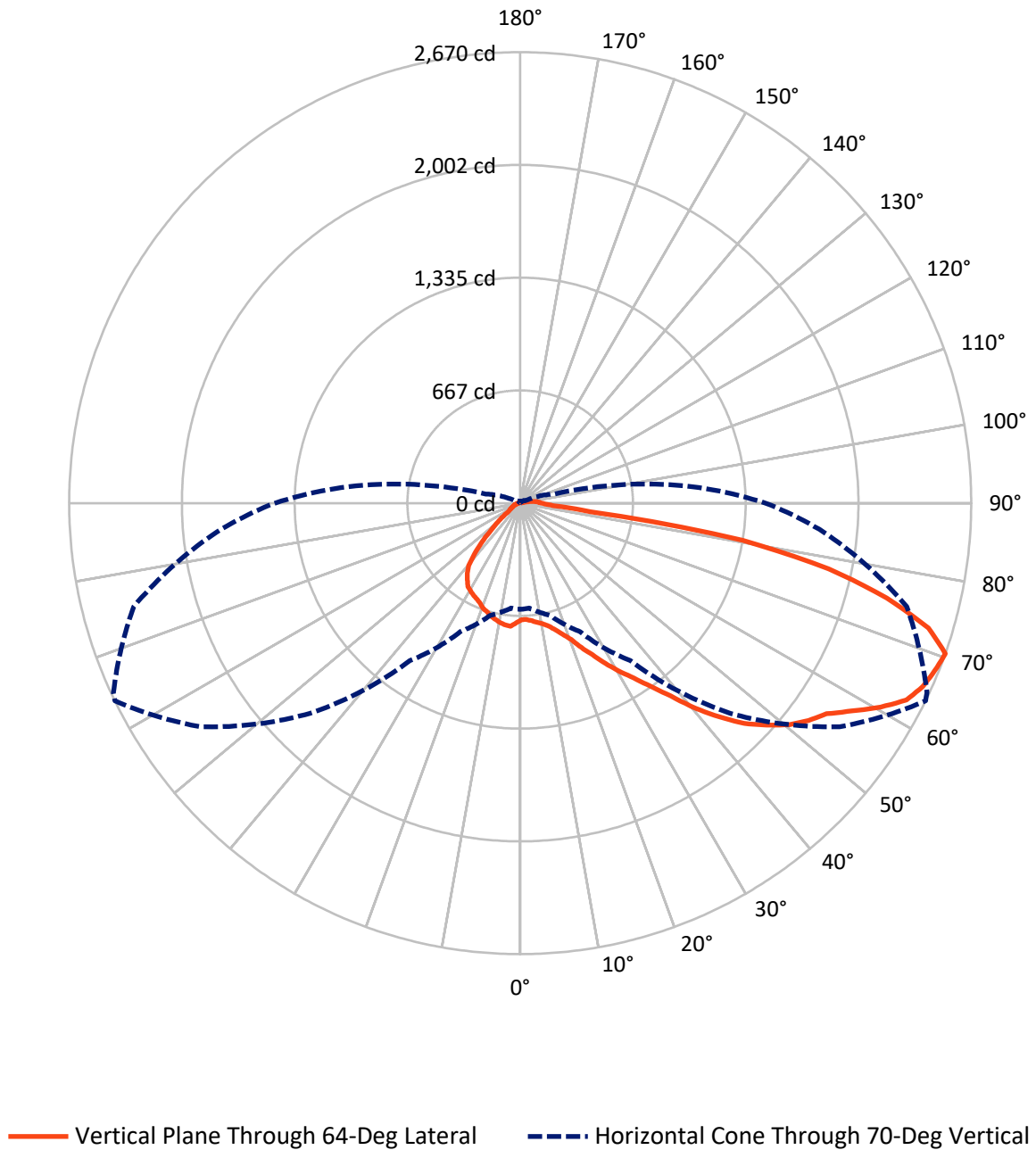


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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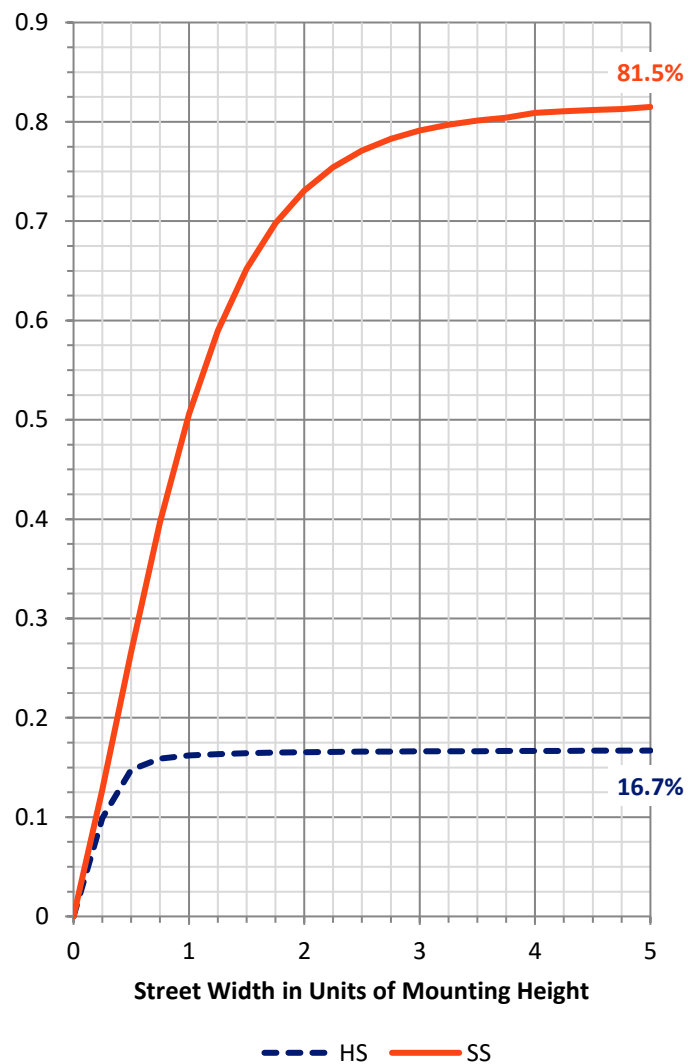
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	772.2	9.4	781.5
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	3733.0	38.4	3771.4
	% Fixture	82.0	0.8	82.8
Total	Lumens	4505.2	47.7	4553.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.5	1.5
10°-20°	209.8	4.6
20°-30°	362.7	8.0
30°-40°	538.3	11.8
40°-50°	739.4	16.2
50°-60°	897.9	19.7
60°-70°	954.0	21.0
70°-80°	630.3	13.8
80°-90°	104.4	2.3
90°-100°	38.9	0.9
100°-110°	6.6	0.1
110°-120°	0.5	0.0
120°-130°	0.5	0.0
130°-140°	0.5	0.0
140°-150°	0.4	0.0
150°-160°	0.2	0.0
160°-170°	0.1	0.0
170°-180°	0.0	0.0
0°-90°	4505.2	99.0
0°-180°	4553.0	100.0

Coefficient of Utilization



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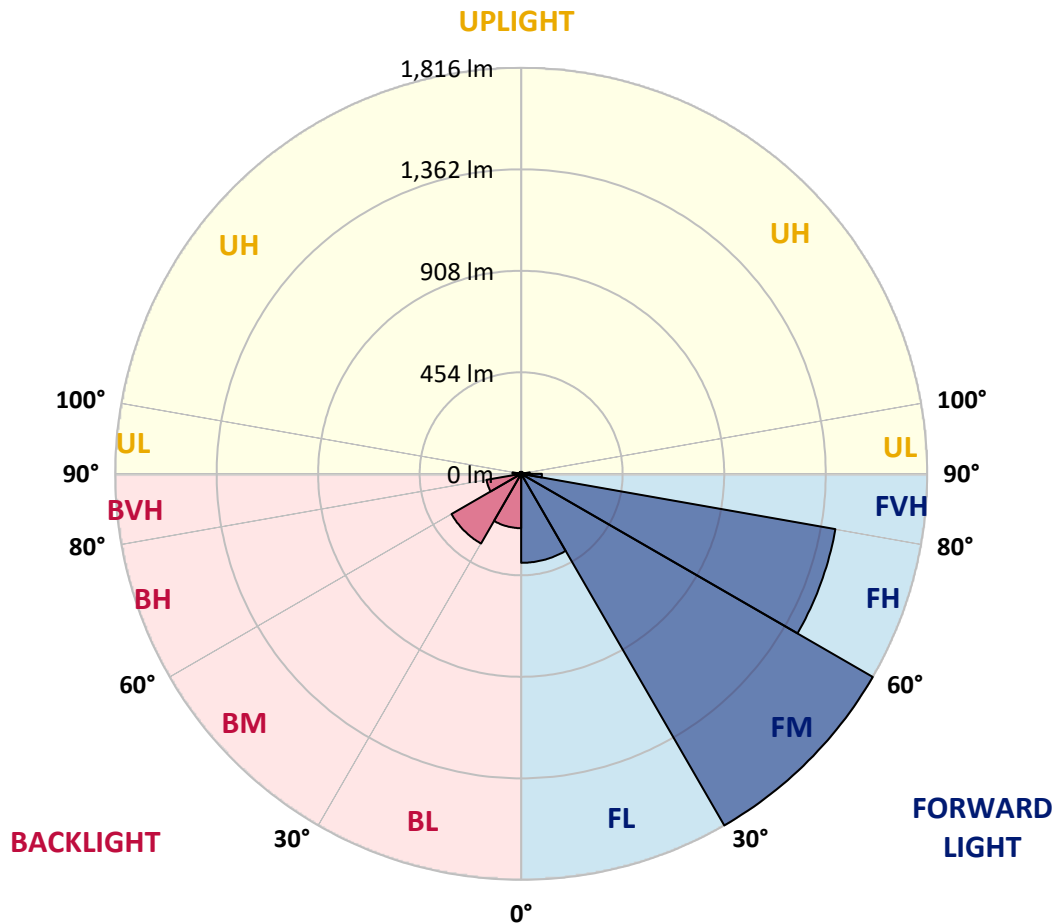
CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	398.0	8.7			
FM	(30°-60°)	1815.7	39.9			
FH	(60°-80°)	1426.8	31.3			G1/1800
FVH	(80°-90°)	92.6	2.0			G1/100
BL	(0°-30°)	243.1	5.3	B1/500		
BM	(30°-60°)	359.9	7.9	B1/1000		
BH	(60°-80°)	157.4	3.5	B1/500		G1/500
BVH	(80°-90°)	11.7	0.3			G1/100
UL	(90°-100°)	38.9	0.9		U2/50	
UH	(100°-180°)	8.8	0.2		U1/10	

BUG Rating: B1-U2-G1

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	695.6	693.9	695.6	693.9	692.3	690.7	689.0	689.0	687.4	689.0	690.7
5°	726.5	728.1	724.9	718.4	710.2	703.7	700.4	698.8	698.8	700.4	707.0
7.5°	749.3	747.7	746.1	744.4	737.9	723.2	715.1	711.8	711.8	708.6	720.0
10°	790.0	786.8	778.6	768.9	762.3	746.1	731.4	726.5	724.9	726.5	736.3
12.5°	834.0	830.8	829.1	819.4	796.5	781.9	757.5	746.1	746.1	746.1	750.9
15°	897.5	892.7	876.4	865.0	845.4	821.0	793.3	777.0	777.0	780.3	767.2
17.5°	943.2	939.9	938.3	918.7	902.4	865.0	843.8	816.1	816.1	822.6	794.9
20°	990.4	987.1	988.8	985.5	961.1	931.7	894.3	861.7	861.7	863.3	824.2
22.5°	1053.9	1049.0	1049.0	1047.4	1034.4	1000.2	956.2	928.5	923.6	910.6	861.7
25°	1117.4	1115.8	1112.6	1114.2	1110.9	1071.8	1024.6	993.6	993.6	975.7	912.2
27.5°	1181.0	1181.0	1179.3	1181.0	1179.3	1154.9	1107.7	1075.1	1076.7	1053.9	967.6
30°	1226.6	1225.0	1236.4	1241.2	1244.5	1234.7	1189.1	1153.3	1156.5	1133.7	1032.7
32.5°	1268.9	1267.3	1286.9	1298.3	1301.5	1299.9	1262.4	1233.1	1241.2	1220.1	1110.9
35°	1308.0	1306.4	1332.5	1361.8	1374.8	1371.6	1347.1	1330.8	1339.0	1337.4	1216.8
37.5°	1337.4	1342.2	1376.4	1417.2	1440.0	1441.6	1430.2	1448.1	1457.9	1490.5	1348.8
40°	1371.6	1371.6	1404.1	1448.1	1488.8	1505.1	1514.9	1596.4	1606.1	1612.6	1436.7
42.5°	1335.7	1345.5	1415.5	1480.7	1532.8	1570.3	1624.0	1729.9	1751.1	1702.2	1544.2
45°	1308.0	1316.2	1387.8	1497.0	1571.9	1642.0	1743.0	1860.2	1876.5	1791.8	1601.2
47.5°	1278.7	1291.7	1365.0	1485.6	1609.4	1729.9	1842.3	1962.9	1977.5	1868.4	1681.1
50°	1244.5	1259.2	1337.4	1469.3	1628.9	1813.0	1931.9	2062.2	2063.9	1935.2	1725.0
52.5°	1211.9	1221.7	1303.1	1448.1	1645.2	1876.5	2016.6	2137.2	2127.4	2019.9	1772.3
55°	1156.5	1176.1	1262.4	1418.8	1653.4	1912.4	2075.3	2200.7	2207.2	2111.1	1835.8
57.5°	1106.0	1119.1	1210.3	1376.4	1646.8	1933.5	2132.3	2319.6	2332.6	2192.5	1881.4
60°	1042.5	1050.7	1138.6	1317.8	1604.5	1969.4	2259.3	2451.5	2466.2	2270.7	1899.3
62.5°	962.7	962.7	1050.7	1239.6	1550.7	1995.4	2347.3	2565.6	2565.6	2332.6	1905.8
65°	860.1	865.0	943.2	1133.7	1461.2	1980.8	2373.4	2619.3	2624.2	2376.6	1902.6
67.5°	760.7	759.1	827.5	995.3	1325.9	1904.2	2353.8	2647.0	2666.6	2402.7	1860.2
70°	628.8	623.9	687.4	838.9	1137.0	1759.2	2308.2	2669.8	2656.8	2368.5	1777.2
72.5°	483.8	478.9	526.1	641.8	895.9	1510.0	2174.6	2526.5	2503.7	2182.8	1606.1
75°	343.7	337.2	374.7	451.2	589.7	1104.4	1865.1	2241.4	2215.3	1962.9	1340.6
77.5°	195.5	189.0	223.2	285.1	356.7	625.5	1412.3	1868.4	1904.2	1619.2	1024.6
80°	86.3	83.1	97.7	136.8	200.4	298.1	768.9	1335.7	1286.9	1104.4	583.2
82.5°	73.3	73.3	74.9	78.2	81.4	136.8	288.3	420.3	402.3	324.2	185.7
85°	63.5	61.9	65.2	68.4	70.0	89.6	167.8	202.0	198.7	179.2	128.7
87.5°	52.1	48.9	53.8	57.0	57.0	73.3	125.4	148.2	148.2	149.9	114.0
90°	45.6	45.6	42.4	42.4	44.0	52.1	96.1	122.2	125.4	154.7	131.9
92.5°	39.1	39.1	39.1	39.1	32.6	37.5	68.4	109.1	117.3	151.5	118.9
95°	37.5	35.8	37.5	34.2	32.6	34.2	52.1	96.1	105.9	133.6	104.3
97.5°	26.1	24.4	27.7	27.7	29.3	30.9	44.0	71.7	74.9	99.4	78.2
100°	17.9	16.3	16.3	16.3	21.2	21.2	35.8	44.0	45.6	63.5	52.1
102.5°	9.8	8.1	8.1	8.1	11.4	13.0	17.9	24.4	24.4	34.2	29.3
105°	3.3	3.3	4.9	4.9	4.9	6.5	6.5	8.1	8.1	9.8	13.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6

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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	0.0	1.6
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6
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°	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7	690.7
2.5°	692.3	695.6	703.7	708.6	715.1	721.6	726.5	726.5	731.4	728.1	726.5
5°	713.5	715.1	724.9	731.4	729.8	723.2	718.4	715.1	716.7	720.0	720.0
7.5°	728.1	734.6	726.5	726.5	724.9	716.7	707.0	697.2	692.3	690.7	690.7
10°	736.3	729.8	726.5	718.4	700.4	695.6	687.4	669.5	664.6	664.6	658.1
12.5°	741.2	737.9	720.0	705.3	689.0	663.0	645.1	641.8	627.1	625.5	627.1
15°	760.7	744.4	721.6	693.9	663.0	640.2	615.7	589.7	578.3	579.9	581.5
17.5°	773.7	759.1	718.4	674.4	646.7	604.3	576.6	562.0	544.1	544.1	544.1
20°	794.9	770.5	713.5	666.2	601.1	570.1	537.5	521.3	503.3	472.4	469.1
22.5°	822.6	791.7	711.8	641.8	583.2	532.7	485.4	434.9	408.9	390.9	386.1
25°	856.8	821.0	723.2	630.4	548.9	487.1	426.8	358.4	309.5	299.7	299.7
27.5°	915.5	858.4	737.9	619.0	529.4	436.6	342.1	281.8	239.5	226.4	224.8
30°	972.5	905.7	742.8	607.6	491.9	368.1	263.9	200.4	162.9	146.6	143.3
32.5°	1062.1	970.8	785.1	597.8	449.6	296.5	187.3	127.1	96.1	86.3	84.7
35°	1153.3	1058.8	799.8	571.8	373.0	216.6	107.5	68.4	52.1	44.0	42.4
37.5°	1270.6	1169.6	843.8	544.1	296.5	123.8	60.3	37.5	32.6	32.6	32.6
40°	1339.0	1218.4	882.9	508.2	203.6	63.5	35.8	29.3	29.3	27.7	27.7
42.5°	1426.9	1278.7	917.1	438.2	107.5	39.1	30.9	27.7	24.4	24.4	24.4
45°	1477.4	1317.8	905.7	351.8	50.5	35.8	29.3	24.4	22.8	22.8	22.8
47.5°	1539.3	1366.7	881.3	260.6	44.0	32.6	27.7	22.8	21.2	22.8	22.8
50°	1601.2	1415.5	819.4	200.4	40.7	30.9	24.4	19.5	19.5	21.2	21.2
52.5°	1632.2	1449.7	746.1	138.5	40.7	29.3	22.8	19.5	17.9	17.9	17.9
55°	1668.0	1457.9	684.2	91.2	39.1	27.7	21.2	16.3	16.3	14.7	14.7
57.5°	1687.6	1436.7	638.5	76.6	37.5	26.1	19.5	14.7	13.0	11.4	11.4
60°	1679.4	1405.8	599.4	66.8	34.2	24.4	17.9	13.0	9.8	8.1	8.1
62.5°	1663.1	1379.7	527.8	58.6	32.6	21.2	14.7	11.4	8.1	6.5	6.5
65°	1645.2	1309.7	444.7	50.5	29.3	19.5	13.0	9.8	6.5	4.9	4.9
67.5°	1562.1	1216.8	325.8	45.6	27.7	17.9	11.4	8.1	6.5	4.9	4.9
70°	1453.0	1062.1	210.1	39.1	24.4	16.3	11.4	6.5	4.9	3.3	3.3
72.5°	1236.4	866.6	105.9	34.2	22.8	16.3	9.8	6.5	4.9	3.3	1.6
75°	1009.9	646.7	68.4	29.3	21.2	16.3	9.8	6.5	3.3	1.6	1.6
77.5°	723.2	350.2	52.1	26.1	17.9	16.3	8.1	4.9	3.3	3.3	1.6
80°	301.4	127.1	42.4	21.2	16.3	14.7	8.1	4.9	3.3	3.3	1.6
82.5°	127.1	88.0	37.5	17.9	14.7	14.7	6.5	4.9	3.3	3.3	3.3
85°	99.4	73.3	32.6	16.3	13.0	16.3	6.5	4.9	4.9	4.9	4.9
87.5°	92.8	74.9	29.3	14.7	13.0	11.4	6.5	4.9	8.1	8.1	9.8
90°	104.3	78.2	22.8	13.0	11.4	9.8	4.9	3.3	3.3	0.0	0.0
92.5°	96.1	71.7	16.3	9.8	14.7	6.5	3.3	0.0	0.0	0.0	0.0
95°	83.1	60.3	9.8	6.5	16.3	8.1	1.6	0.0	0.0	0.0	0.0
97.5°	61.9	44.0	6.5	3.3	13.0	9.8	1.6	0.0	0.0	0.0	0.0
100°	44.0	27.7	4.9	3.3	8.1	9.8	1.6	0.0	0.0	0.0	0.0
102.5°	24.4	14.7	3.3	1.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0
105°	11.4	4.9	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
110°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
115°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
120°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
122.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
125°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
127.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
130°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
132.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
135°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
137.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
140°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
142.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
145°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
147.5°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
150°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
155°	1.6	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0
157.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
160°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
165°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
170°	1.6	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	1.6	1.6	1.6	1.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	1.6	1.6	1.6	1.6	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)