

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: P691207

Luminaire Tested: **CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691207
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-6)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE II OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4104 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B1 - U2 - G2

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



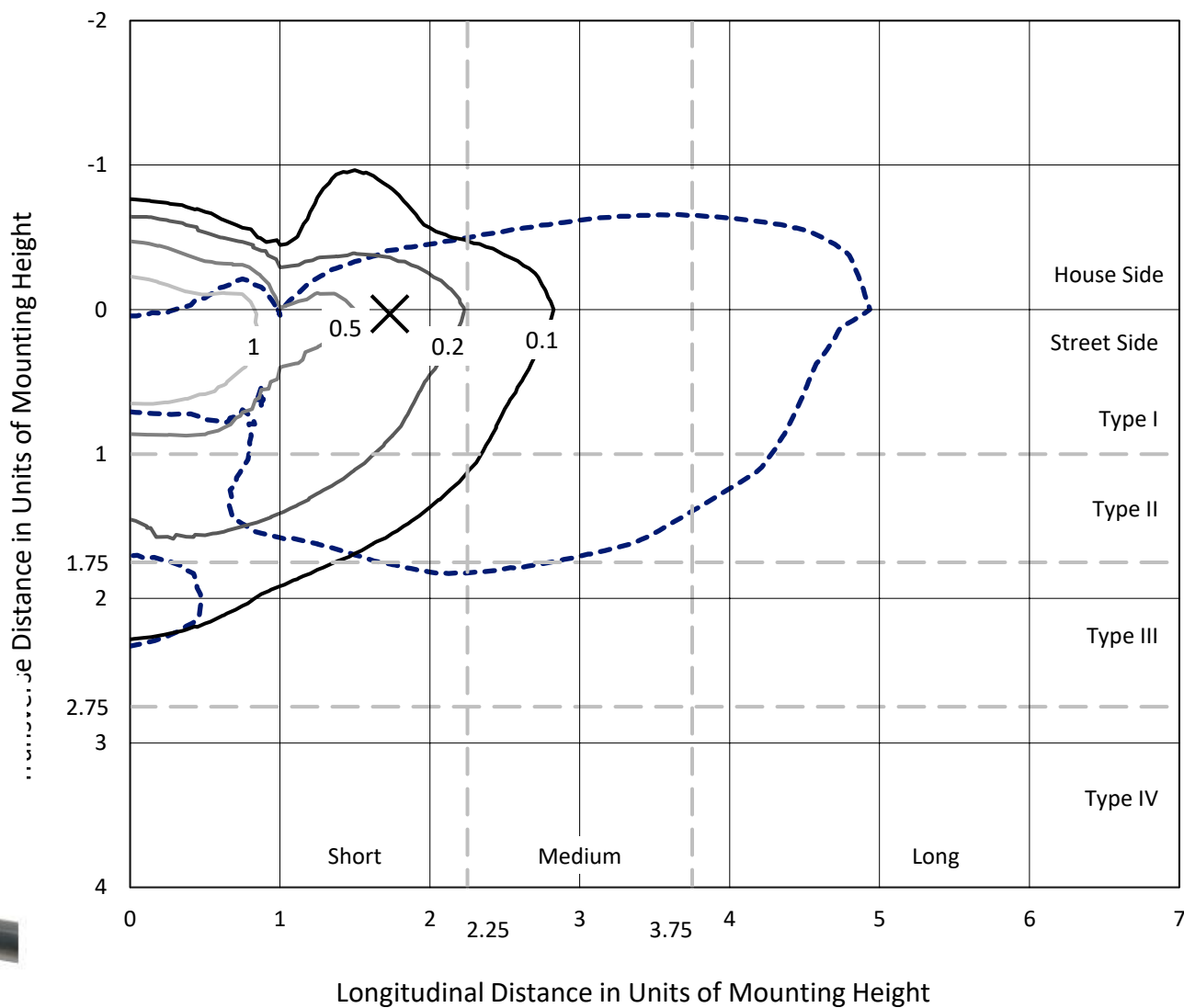
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

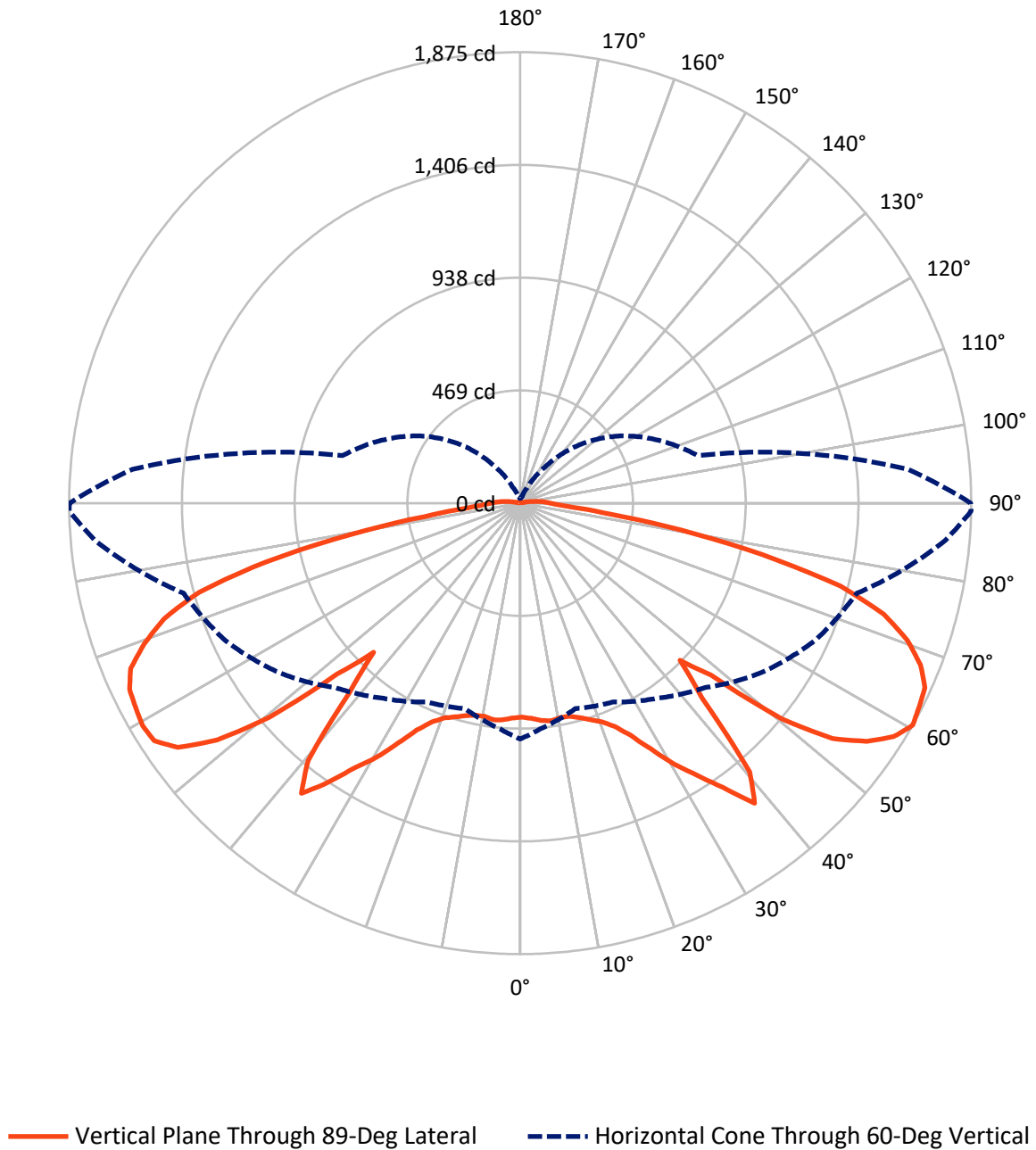


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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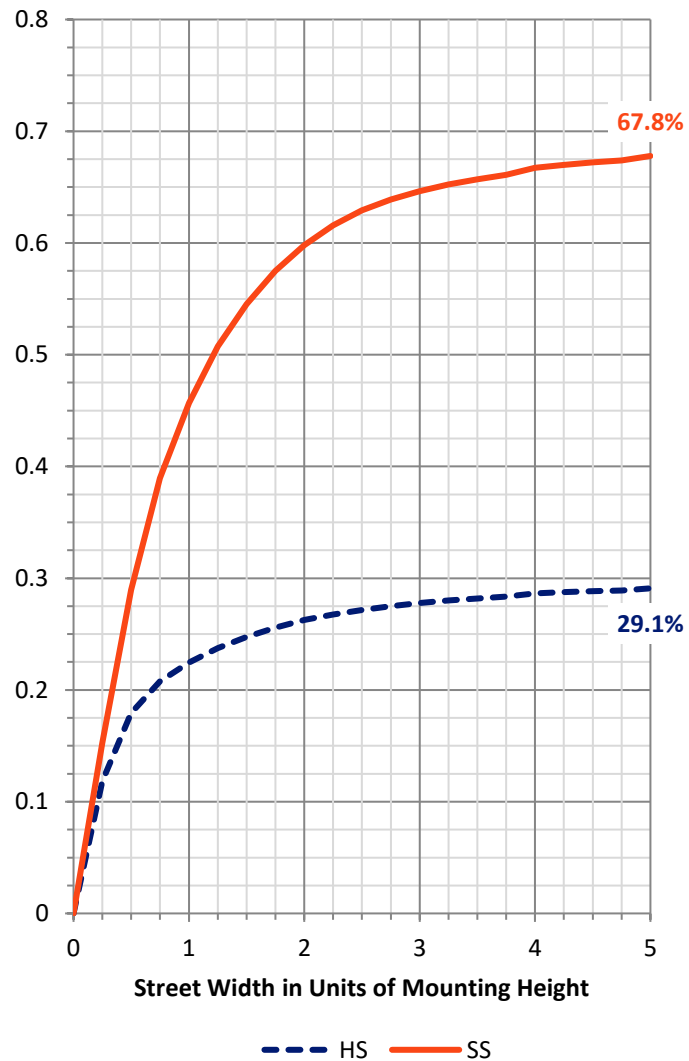
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1218.3	22.9	1241.2
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2818.7	44.1	2862.8
	% Fixture	68.7	1.1	69.8
Total	Lumens	4037.0	67.0	4104.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	85.5	2.1
10°-20°	252.4	6.2
20°-30°	416.6	10.2
30°-40°	565.2	13.8
40°-50°	470.8	11.5
50°-60°	651.9	15.9
60°-70°	803.5	19.6
70°-80°	608.4	14.8
80°-90°	182.6	4.4
90°-100°	47.3	1.2
100°-110°	10.8	0.3
110°-120°	5.1	0.1
120°-130°	3.4	0.1
130°-140°	0.3	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°	4037.0	98.4
0°-180°	4104.0	100.0

Coefficient of Utilization



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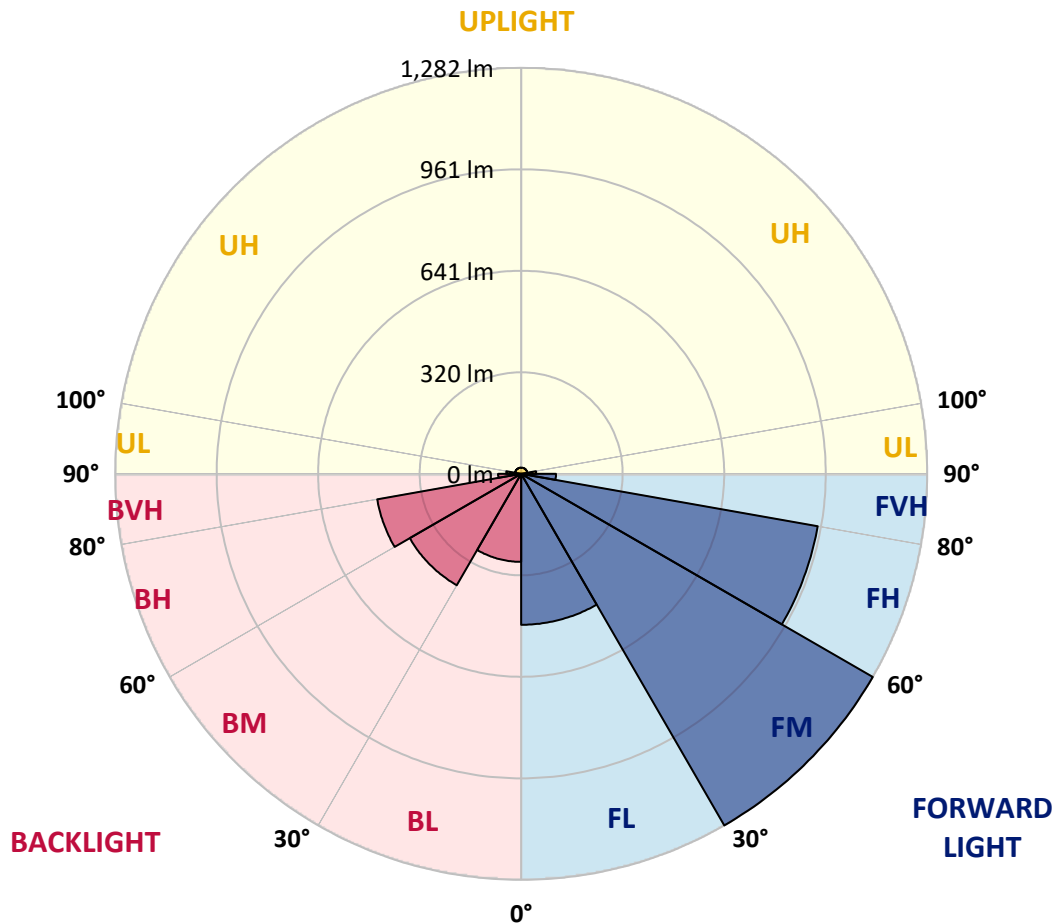
CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	476.7	11.6			
FM	(30°-60°)	1281.7	31.2			
FH	(60°-80°)	950.5	23.2			G1/1800
FVH	(80°-90°)	109.8	2.7			G2/225
BL	(0°-30°)	277.9	6.8	B1/500		
BM	(30°-60°)	406.2	9.9	B1/1000		
BH	(60°-80°)	461.5	11.2	B1/500		G1/500
BVH	(80°-90°)	72.8	1.8			G1/100
UL	(90°-100°)	47.3	1.2		U2/50	
UH	(100°-180°)	19.6	0.5		U2/50	

BUG Rating: B1-U2-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5
2.5°	933.5	928.6	928.6	928.6	918.8	918.8	912.3	909.0	902.5	897.6	896.0
5°	987.2	984.0	984.0	982.4	972.6	966.1	953.0	941.6	931.9	915.6	907.4
7.5°	1029.6	1024.7	1024.7	1023.1	1013.3	1005.2	990.5	964.4	944.9	927.0	913.9
10°	1044.3	1042.6	1041.0	1036.1	1028.0	1021.5	1008.4	984.0	953.0	923.7	907.4
12.5°	1072.0	1072.0	1067.1	1060.6	1054.0	1047.5	1029.6	1010.1	975.8	930.2	909.0
15°	1107.8	1104.5	1101.3	1098.0	1093.1	1083.4	1067.1	1042.6	1003.5	948.1	925.3
17.5°	1122.5	1120.8	1120.8	1122.5	1120.8	1114.3	1111.1	1083.4	1042.6	972.6	946.5
20°	1125.7	1127.4	1130.6	1142.0	1145.3	1142.0	1146.9	1130.6	1083.4	1005.2	971.0
22.5°	1145.3	1148.5	1155.0	1166.4	1171.3	1176.2	1181.1	1194.1	1146.9	1055.7	1008.4
25°	1137.1	1140.4	1159.9	1177.9	1195.8	1210.4	1241.4	1270.7	1236.5	1130.6	1070.3
27.5°	1115.9	1122.5	1156.7	1192.5	1236.5	1275.6	1332.6	1368.5	1340.8	1225.1	1156.7
30°	1133.9	1133.9	1156.7	1208.8	1265.8	1353.8	1428.7	1469.5	1449.9	1316.3	1257.7
32.5°	1096.4	1106.2	1153.4	1231.6	1319.6	1432.0	1505.3	1577.0	1583.5	1438.5	1347.3
35°	980.7	997.0	1036.1	1140.4	1275.6	1471.1	1599.8	1695.9	1726.9	1585.1	1451.5
37.5°	808.0	819.4	887.9	992.1	1153.4	1340.8	1547.7	1766.0	1852.3	1679.6	1583.5
40°	715.2	723.3	764.1	850.4	998.7	1179.5	1342.4	1552.6	1599.8	1533.0	1469.5
42.5°	684.2	697.3	747.8	827.6	948.1	1075.2	1101.3	1179.5	1155.0	1163.2	1107.8
45°	726.6	731.5	768.9	839.0	912.3	946.5	912.3	966.1	992.1	987.2	931.9
47.5°	747.8	755.9	796.6	886.2	886.2	887.9	930.2	962.8	1037.7	1107.8	1068.7
50°	641.9	653.3	728.2	799.9	811.3	946.5	1057.3	1120.8	1199.0	1386.4	1409.2
52.5°	604.4	612.5	694.0	837.4	920.5	1058.9	1127.4	1186.0	1252.8	1562.3	1625.9
55°	661.4	676.1	772.2	920.5	1011.7	1094.8	1182.7	1267.5	1339.1	1700.8	1748.0
57.5°	764.1	791.8	850.4	933.5	1019.8	1094.8	1212.1	1316.3	1410.8	1754.6	1831.1
60°	980.7	943.3	884.6	912.3	990.5	1085.0	1226.7	1352.2	1448.3	1774.1	1875.1
62.5°	1081.7	1054.0	910.7	873.2	941.6	1050.8	1199.0	1352.2	1435.3	1736.6	1862.1
65°	1045.9	1023.1	920.5	827.6	881.4	1003.5	1156.7	1332.6	1405.9	1689.4	1849.1
67.5°	891.1	868.3	835.7	801.5	824.3	956.3	1117.6	1296.8	1373.3	1650.3	1795.3
70°	725.0	711.9	700.5	726.6	768.9	884.6	1039.4	1217.0	1308.2	1555.8	1707.3
72.5°	617.4	609.3	589.7	615.8	682.6	788.5	922.1	1099.7	1208.8	1396.2	1581.9
75°	524.6	519.7	513.2	526.2	568.6	667.9	773.8	948.1	1080.1	1218.6	1375.0
77.5°	425.2	418.7	433.3	436.6	469.2	540.9	609.3	754.3	900.9	956.3	1026.3
80°	309.5	316.0	340.5	330.7	355.1	379.6	428.5	492.0	607.7	669.6	674.5
82.5°	216.7	223.2	246.0	221.6	228.1	229.7	247.6	270.4	317.7	369.8	376.3
85°	153.1	156.4	161.3	143.4	143.4	143.4	154.8	167.8	192.2	213.4	218.3
87.5°	109.2	109.2	115.7	109.2	107.5	105.9	112.4	117.3	132.0	146.6	149.9
90°	81.5	81.5	84.7	81.5	81.5	81.5	88.0	92.9	105.9	118.9	120.6
92.5°	58.6	58.6	63.5	61.9	61.9	63.5	70.1	73.3	84.7	97.7	99.4
95°	45.6	45.6	48.9	47.2	47.2	50.5	55.4	58.6	66.8	73.3	74.9
97.5°	32.6	32.6	34.2	34.2	34.2	34.2	37.5	42.4	52.1	52.1	50.5
100°	22.8	22.8	24.4	22.8	22.8	24.4	24.4	27.7	32.6	31.0	31.0
102.5°	16.3	16.3	16.3	16.3	16.3	14.7	14.7	16.3	17.9	16.3	16.3
105°	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	11.4	9.8
107.5°	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8	8.1	8.1
110°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.5

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.5	6.5
115°	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	8.1	6.5	6.5
117.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
120°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
122.5°	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5	6.5
125°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	6.5	6.5	4.9
127.5°	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9
130°	4.9	3.3	4.9	4.9	4.9	4.9	4.9	4.9	4.9	4.9	3.3
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5	889.5
2.5°	894.4	891.1	881.4	869.9	860.2	852.0	843.9	837.4	835.7	832.5	835.7
5°	905.8	894.4	871.6	856.9	843.9	830.9	817.8	811.3	806.4	803.2	803.2
7.5°	910.7	894.4	868.3	848.8	821.1	793.4	777.1	764.1	759.2	764.1	764.1
10°	902.5	883.0	852.0	822.7	785.2	762.4	739.6	728.2	721.7	721.7	716.8
12.5°	905.8	883.0	837.4	793.4	762.4	721.7	694.0	681.0	671.2	674.5	674.5
15°	918.8	887.9	824.3	780.3	726.6	694.0	659.8	651.6	650.0	645.1	641.9
17.5°	938.4	892.8	821.1	751.0	695.6	656.5	624.0	609.3	601.1	596.3	594.6
20°	959.6	899.3	811.3	723.3	663.1	612.5	573.5	553.9	547.4	547.4	544.1
22.5°	995.4	922.1	803.2	710.3	619.1	568.6	529.5	501.8	488.7	487.1	485.5
25°	1054.0	966.1	811.3	681.0	593.0	518.1	474.1	449.6	435.0	430.1	430.1
27.5°	1143.6	1026.3	822.7	664.7	539.2	470.8	421.9	384.5	363.3	364.9	366.6
30°	1239.8	1115.9	855.3	638.6	505.0	404.0	345.4	316.0	296.5	290.0	286.7
32.5°	1318.0	1208.8	902.5	617.4	441.5	322.6	272.1	250.9	229.7	211.8	205.3
35°	1438.5	1287.0	943.3	586.5	389.4	263.9	219.9	187.3	169.4	161.3	158.0
37.5°	1547.7	1363.6	974.2	580.0	316.0	226.4	174.3	140.1	122.2	120.6	120.6
40°	1415.7	1267.5	951.4	527.8	249.3	175.9	125.4	99.4	86.3	79.8	79.8
42.5°	1083.4	971.0	725.0	439.9	179.2	118.9	79.8	74.9	73.3	66.8	66.8
45°	907.4	716.8	439.9	229.7	84.7	65.2	57.0	57.0	58.6	63.5	63.5
47.5°	1089.9	847.1	324.2	164.5	83.1	57.0	50.5	45.6	42.4	40.7	40.7
50°	1410.8	1205.5	413.8	195.5	99.4	58.6	45.6	40.7	39.1	37.5	34.2
52.5°	1645.4	1412.4	545.8	298.1	159.7	74.9	45.6	34.2	26.1	22.8	21.2
55°	1787.1	1593.3	643.5	428.5	259.0	125.4	57.0	31.0	22.8	19.5	17.9
57.5°	1863.7	1614.5	725.0	545.8	381.2	223.2	99.4	37.5	22.8	17.9	17.9
60°	1873.5	1617.7	764.1	624.0	485.5	338.9	189.0	73.3	29.3	21.2	19.5
62.5°	1865.3	1590.0	773.8	654.9	549.0	433.3	298.1	145.0	45.6	24.4	22.8
65°	1850.7	1591.7	729.8	627.2	549.0	464.3	345.4	190.6	65.2	27.7	26.1
67.5°	1801.8	1586.8	705.4	566.9	496.9	415.4	309.5	177.6	74.9	34.2	32.6
70°	1702.4	1528.1	690.7	542.5	465.9	369.8	260.7	141.7	84.7	58.6	63.5
72.5°	1590.0	1422.2	676.1	521.3	454.5	368.2	262.3	153.1	114.0	96.1	102.6
75°	1422.2	1238.1	650.0	500.1	448.0	379.6	265.5	145.0	107.5	86.3	84.7
77.5°	1094.8	1029.6	593.0	448.0	407.3	350.3	226.4	110.8	79.8	60.3	58.6
80°	715.2	707.0	462.7	361.7	343.7	309.5	189.0	86.3	63.5	48.9	45.6
82.5°	404.0	387.7	288.4	228.1	242.7	250.9	153.1	65.2	48.9	39.1	35.8
85°	229.7	233.0	167.8	123.8	125.4	148.2	99.4	45.6	31.0	22.8	21.2
87.5°	158.0	162.9	109.2	83.1	74.9	70.1	52.1	27.7	17.9	11.4	8.1
90°	128.7	128.7	81.5	60.3	52.1	45.6	29.3	16.3	13.0	6.5	4.9
92.5°	104.3	109.2	68.4	48.9	40.7	35.8	22.8	11.4	8.1	4.9	3.3
95°	78.2	83.1	55.4	40.7	32.6	27.7	19.5	9.8	6.5	3.3	3.3
97.5°	53.8	53.8	39.1	31.0	26.1	21.2	14.7	8.1	4.9	3.3	3.3
100°	31.0	32.6	22.8	19.5	17.9	16.3	9.8	6.5	3.3	1.6	1.6
102.5°	16.3	16.3	11.4	11.4	9.8	9.8	8.1	4.9	3.3	1.6	1.6
105°	9.8	9.8	8.1	8.1	6.5	6.5	4.9	3.3	1.6	0.0	1.6
107.5°	8.1	8.1	6.5	6.5	4.9	4.9	3.3	3.3	1.6	0.0	0.0
110°	6.5	6.5	4.9	4.9	4.9	3.3	3.3	1.6	1.6	0.0	0.0

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CATALOG NUMBER: CRTK2-C015-5TLD-U-T2-7040-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	6.5	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0
115°	6.5	4.9	4.9	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0
117.5°	6.5	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
120°	6.5	4.9	3.3	3.3	3.3	3.3	1.6	1.6	0.0	0.0	0.0
122.5°	6.5	4.9	3.3	3.3	3.3	1.6	1.6	1.6	0.0	0.0	0.0
125°	4.9	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
127.5°	4.9	4.9	3.3	3.3	1.6	1.6	1.6	1.6	0.0	0.0	0.0
130°	4.9	4.9	3.3	3.3	1.6	1.6	1.6	1.6	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

(END OF REPORT)