

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: P691383

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691383
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-C016-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 5032 lumens
Efficiency: N/A
Efficacy: 117.6 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type III - Short
BUG Rating: B2 - U3 - G2

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

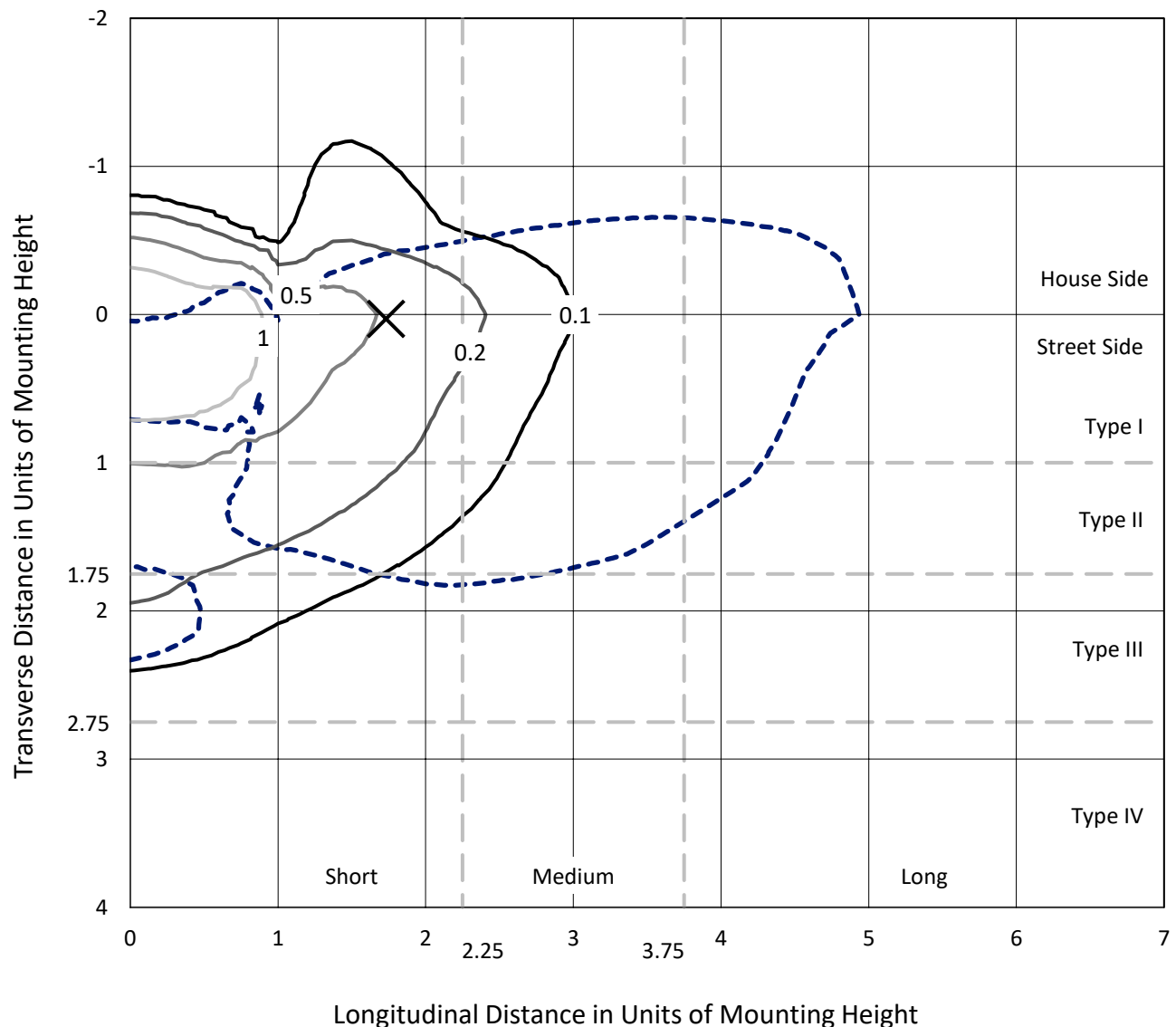


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

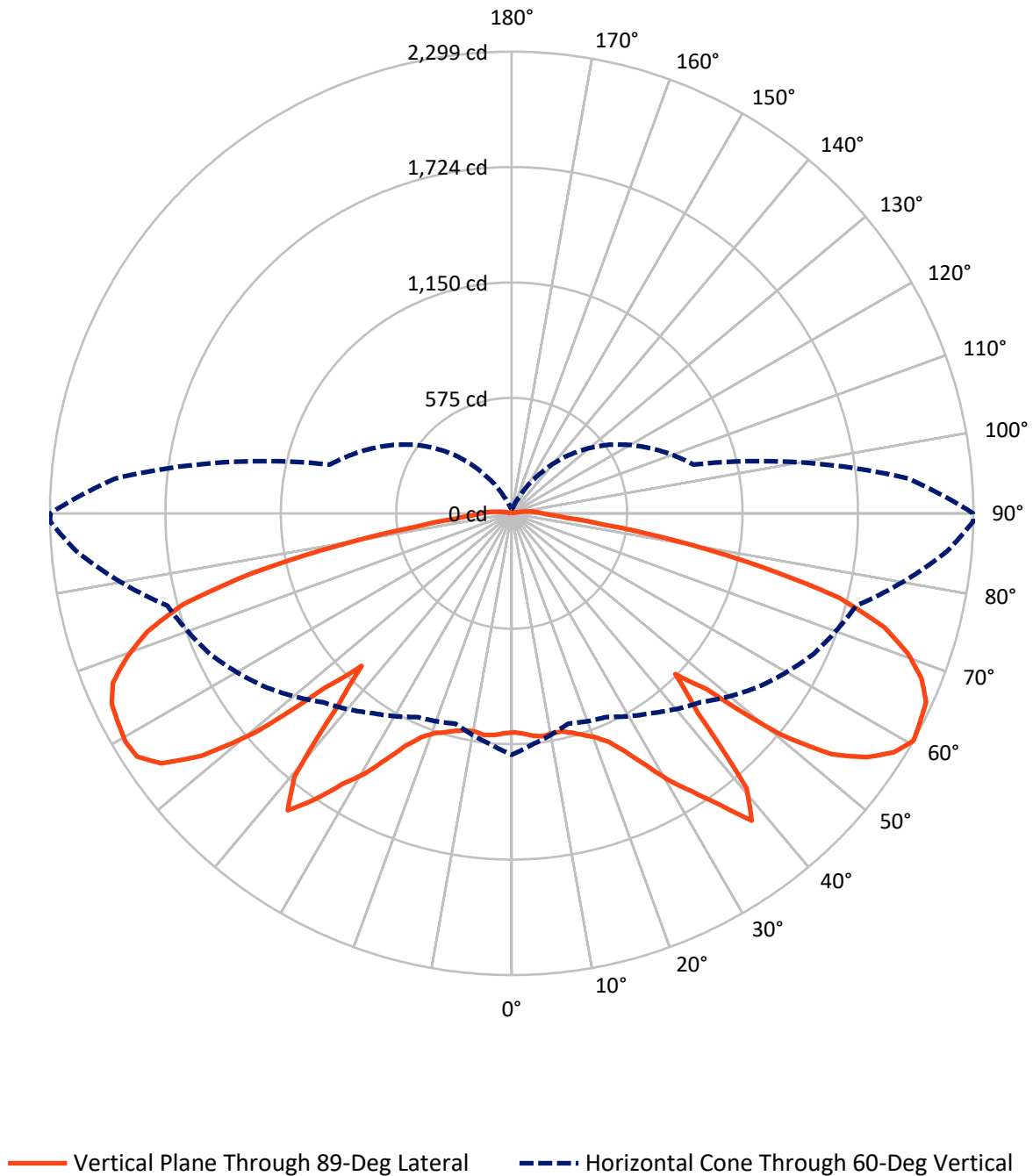


Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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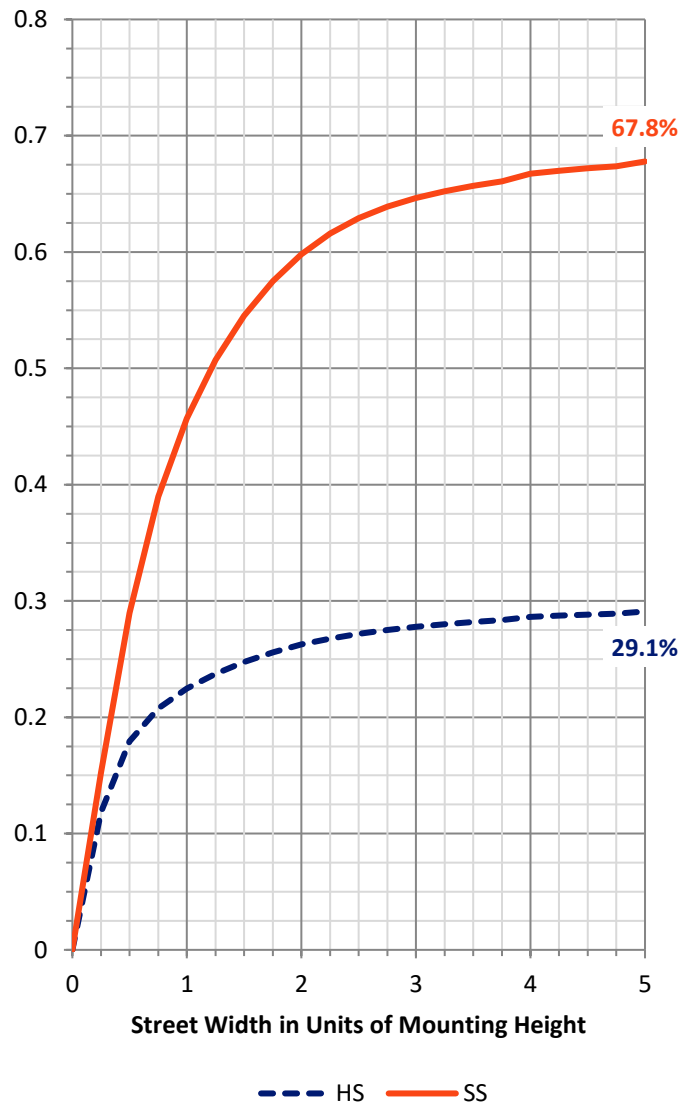
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1493.8	28.1	1521.9
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	3456.1	54.1	3510.1
	% Fixture	68.7	1.1	69.8
Total	Lumens	4949.9	82.1	5032.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	2.1
10°-20°	309.5	6.2
20°-30°	510.9	10.2
30°-40°	693.0	13.8
40°-50°	577.2	11.5
50°-60°	799.4	15.9
60°-70°	985.2	19.6
70°-80°	746.0	14.8
80°-90°	223.8	4.4
90°-100°	58.0	1.2
100°-110°	13.3	0.3
110°-120°	6.2	0.1
120°-130°	4.2	0.1
130°-140°	0.4	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°	4949.9	98.4
0°-180°	5032.0	100.0

Coefficient of Utilization



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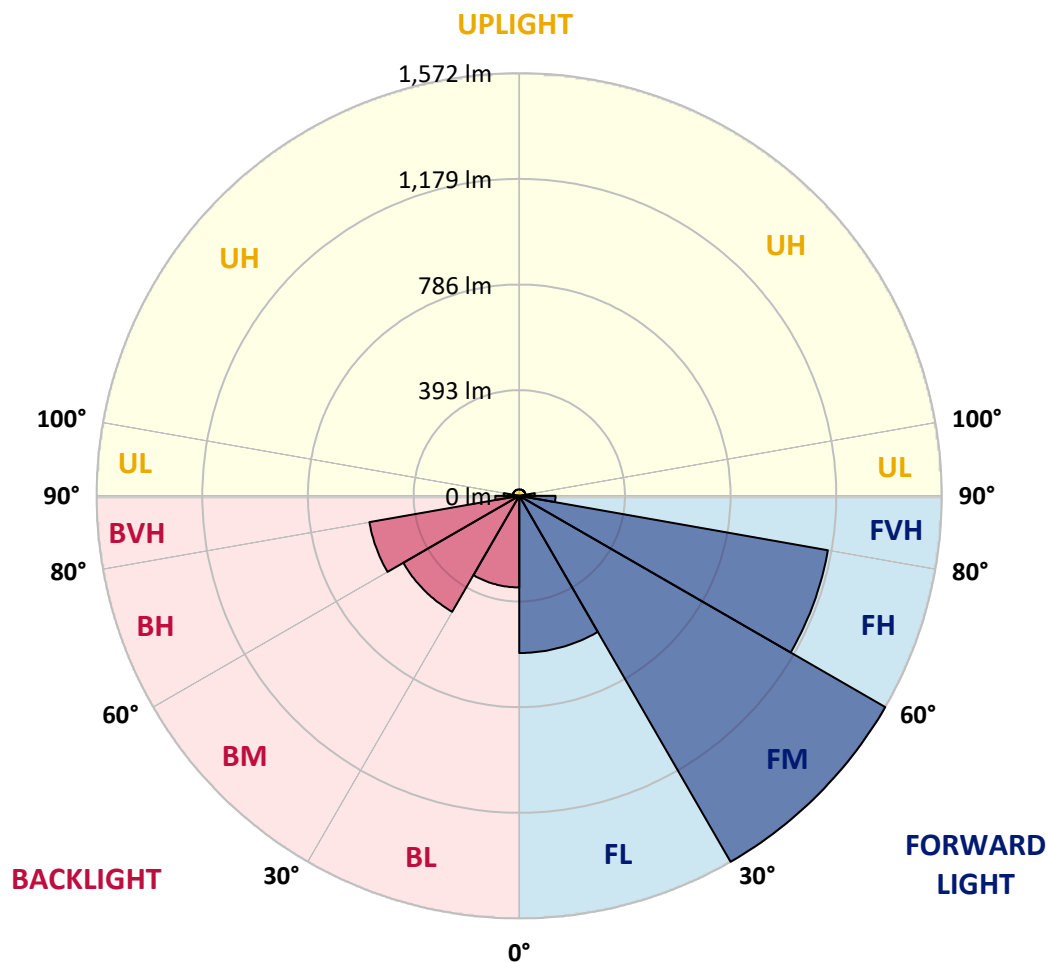
CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	584.5	11.6			
FM	(30°-60°)	1571.5	31.2			
FH	(60°-80°)	1165.4	23.2			G1/1800
FVH	(80°-90°)	134.6	2.7			G2/225
BL	(0°-30°)	340.7	6.8	B1/500		
BM	(30°-60°)	498.0	9.9	B1/1000		
BH	(60°-80°)	565.8	11.2	B2/1000		G2/1000
BVH	(80°-90°)	89.2	1.8			G1/100
UL	(90°-100°)	58.0	1.2		U3/500	
UH	(100°-180°)	24.1	0.5		U2/50	

BUG Rating: B2-U3-G2

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1144.6	1138.6	1138.6	1138.6	1126.6	1126.6	1118.6	1114.6	1106.6	1100.6	1098.6
5°	1210.5	1206.5	1206.5	1204.5	1192.5	1184.5	1168.5	1154.6	1142.6	1122.6	1112.6
7.5°	1262.4	1256.4	1256.4	1254.4	1242.4	1232.5	1214.5	1182.5	1158.5	1136.6	1120.6
10°	1280.4	1278.4	1276.4	1270.4	1260.4	1252.4	1236.5	1206.5	1168.5	1132.6	1112.6
12.5°	1314.4	1314.4	1308.4	1300.4	1292.4	1284.4	1262.4	1238.4	1196.5	1140.6	1114.6
15°	1358.3	1354.3	1350.3	1346.3	1340.3	1328.3	1308.4	1278.4	1230.5	1162.5	1134.6
17.5°	1376.3	1374.3	1374.3	1376.3	1374.3	1366.3	1362.3	1328.3	1278.4	1192.5	1160.5
20°	1380.3	1382.3	1386.3	1400.2	1404.2	1400.2	1406.2	1386.3	1328.3	1232.5	1190.5
22.5°	1404.2	1408.2	1416.2	1430.2	1436.2	1442.2	1448.2	1464.2	1406.2	1294.4	1236.5
25°	1394.3	1398.2	1422.2	1444.2	1466.2	1484.1	1522.1	1558.0	1516.1	1386.3	1312.4
27.5°	1368.3	1376.3	1418.2	1462.2	1516.1	1564.0	1634.0	1677.9	1643.9	1502.1	1418.2
30°	1390.3	1390.3	1418.2	1482.1	1552.1	1659.9	1751.8	1801.7	1777.8	1614.0	1542.1
32.5°	1344.3	1356.3	1414.2	1510.1	1618.0	1755.8	1845.7	1933.6	1941.6	1763.8	1651.9
35°	1202.5	1222.5	1270.4	1398.2	1564.0	1803.7	1961.5	2079.4	2117.3	1943.6	1779.8
37.5°	990.8	1004.7	1088.6	1216.5	1414.2	1643.9	1897.6	2165.3	2271.2	2059.4	1941.6
40°	876.9	886.9	936.8	1042.7	1224.5	1446.2	1645.9	1903.6	1961.5	1879.6	1801.7
42.5°	838.9	854.9	916.9	1014.7	1162.5	1318.3	1350.3	1446.2	1416.2	1426.2	1358.3
45°	890.9	896.9	942.8	1028.7	1118.6	1160.5	1118.6	1184.5	1216.5	1210.5	1142.6
47.5°	916.9	926.8	976.8	1086.6	1086.6	1088.6	1140.6	1180.5	1272.4	1358.3	1310.4
50°	787.0	801.0	892.9	980.8	994.8	1160.5	1296.4	1374.3	1470.2	1699.9	1727.8
52.5°	741.1	751.1	850.9	1026.7	1128.6	1298.4	1382.3	1454.2	1536.1	1915.6	1993.5
55°	811.0	829.0	946.8	1128.6	1240.4	1342.3	1450.2	1554.1	1641.9	2085.4	2143.3
57.5°	936.8	970.8	1042.7	1144.6	1250.4	1342.3	1486.1	1614.0	1729.8	2151.3	2245.2
60°	1202.5	1156.6	1084.6	1118.6	1214.5	1330.3	1504.1	1657.9	1775.8	2175.3	2299.1
62.5°	1326.3	1292.4	1116.6	1070.7	1154.6	1288.4	1470.2	1657.9	1759.8	2129.3	2283.1
65°	1282.4	1254.4	1128.6	1014.7	1080.6	1230.5	1418.2	1634.0	1723.8	2071.4	2267.2
67.5°	1092.6	1064.7	1024.7	982.8	1010.7	1172.5	1370.3	1590.0	1683.9	2023.5	2201.2
70°	888.9	872.9	858.9	890.9	942.8	1084.6	1274.4	1492.1	1604.0	1907.6	2093.4
72.5°	757.1	747.1	723.1	755.1	837.0	966.8	1130.6	1348.3	1482.1	1711.9	1939.6
75°	643.2	637.2	629.2	645.2	697.1	819.0	948.8	1162.5	1324.3	1494.1	1685.9
77.5°	521.3	513.4	531.3	535.3	575.3	663.2	747.1	924.8	1104.6	1172.5	1258.4
80°	379.5	387.5	417.5	405.5	435.5	465.4	525.3	603.2	745.1	821.0	827.0
82.5°	265.7	273.7	301.6	271.7	279.6	281.6	303.6	331.6	389.5	453.4	461.4
85°	187.8	191.8	197.8	175.8	175.8	175.8	189.8	205.7	235.7	261.7	267.7
87.5°	133.8	133.8	141.8	133.8	131.8	129.8	137.8	143.8	161.8	179.8	183.8
90°	99.9	99.9	103.9	99.9	99.9	99.9	107.9	113.9	129.8	145.8	147.8
92.5°	71.9	71.9	77.9	75.9	75.9	77.9	85.9	89.9	103.9	119.8	121.8
95°	55.9	55.9	59.9	57.9	57.9	61.9	67.9	71.9	81.9	89.9	91.9
97.5°	39.9	39.9	41.9	41.9	41.9	41.9	45.9	51.9	63.9	63.9	61.9
100°	28.0	28.0	30.0	28.0	28.0	30.0	30.0	34.0	39.9	38.0	38.0
102.5°	20.0	20.0	20.0	20.0	20.0	18.0	18.0	20.0	22.0	20.0	20.0
105°	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	14.0	12.0
107.5°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.0	10.0
110°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0
115°	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	10.0	8.0	8.0
117.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
120°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
122.5°	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0
125°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	8.0	8.0	6.0
127.5°	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0
130°	6.0	4.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	6.0	4.0
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6	1090.6
2.5°	1096.6	1092.6	1080.6	1066.7	1054.7	1044.7	1034.7	1026.7	1024.7	1020.7	1024.7
5°	1110.6	1096.6	1068.7	1050.7	1034.7	1018.7	1002.7	994.8	988.8	984.8	984.8
7.5°	1116.6	1096.6	1064.7	1040.7	1006.7	972.8	952.8	936.8	930.8	936.8	936.8
10°	1106.6	1082.6	1044.7	1008.7	962.8	934.8	906.9	892.9	884.9	884.9	878.9
12.5°	1110.6	1082.6	1026.7	972.8	934.8	884.9	850.9	835.0	823.0	827.0	827.0
15°	1126.6	1088.6	1010.7	956.8	890.9	850.9	809.0	799.0	797.0	791.0	787.0
17.5°	1150.6	1094.6	1006.7	920.8	852.9	805.0	765.0	747.1	737.1	731.1	729.1
20°	1176.5	1102.6	994.8	886.9	813.0	751.1	703.1	679.1	671.2	671.2	667.2
22.5°	1220.5	1130.6	984.8	870.9	759.0	697.1	649.2	615.2	599.2	597.3	595.3
25°	1292.4	1184.5	994.8	835.0	727.1	635.2	581.3	551.3	533.3	527.3	527.3
27.5°	1402.2	1258.4	1008.7	815.0	661.2	577.3	517.4	471.4	445.4	447.4	449.4
30°	1520.1	1368.3	1048.7	783.0	619.2	495.4	423.5	387.5	363.5	355.6	351.6
32.5°	1616.0	1482.1	1106.6	757.1	541.3	395.5	333.6	307.6	281.6	259.7	251.7
35°	1763.8	1578.0	1156.6	719.1	477.4	323.6	269.7	229.7	207.7	197.8	193.8
37.5°	1897.6	1671.9	1194.5	711.1	387.5	277.7	213.7	171.8	149.8	147.8	147.8
40°	1735.8	1554.1	1166.5	647.2	305.6	215.7	153.8	121.8	105.9	97.9	97.9
42.5°	1328.3	1190.5	888.9	539.3	219.7	145.8	97.9	91.9	89.9	81.9	81.9
45°	1112.6	878.9	539.3	281.6	103.9	79.9	69.9	69.9	71.9	77.9	77.9
47.5°	1336.3	1038.7	397.5	201.7	101.9	69.9	61.9	55.9	51.9	49.9	49.9
50°	1729.8	1478.1	507.4	239.7	121.8	71.9	55.9	49.9	47.9	45.9	41.9
52.5°	2017.5	1731.8	669.2	365.5	195.8	91.9	55.9	41.9	32.0	28.0	26.0
55°	2191.3	1953.6	789.0	525.3	317.6	153.8	69.9	38.0	28.0	24.0	22.0
57.5°	2285.1	1979.5	888.9	669.2	467.4	273.7	121.8	45.9	28.0	22.0	22.0
60°	2297.1	1983.5	936.8	765.0	595.3	415.5	231.7	89.9	36.0	26.0	24.0
62.5°	2287.1	1949.6	948.8	803.0	673.2	531.3	365.5	177.8	55.9	30.0	28.0
65°	2269.2	1951.6	894.9	769.0	673.2	569.3	423.5	233.7	79.9	34.0	32.0
67.5°	2209.2	1945.6	864.9	695.1	609.2	509.4	379.5	217.7	91.9	41.9	39.9
70°	2087.4	1873.7	846.9	665.2	571.3	453.4	319.6	173.8	103.9	71.9	77.9
72.5°	1949.6	1743.8	829.0	639.2	557.3	451.4	321.6	187.8	139.8	117.9	125.8
75°	1743.8	1518.1	797.0	613.2	549.3	465.4	325.6	177.8	131.8	105.9	103.9
77.5°	1342.3	1262.4	727.1	549.3	499.4	429.5	277.7	135.8	97.9	73.9	71.9
80°	876.9	866.9	567.3	443.4	421.5	379.5	231.7	105.9	77.9	59.9	55.9
82.5°	495.4	475.4	353.6	279.6	297.6	307.6	187.8	79.9	59.9	47.9	43.9
85°	281.6	285.6	205.7	151.8	153.8	181.8	121.8	55.9	38.0	28.0	26.0
87.5°	193.8	199.7	133.8	101.9	91.9	85.9	63.9	34.0	22.0	14.0	10.0
90°	157.8	157.8	99.9	73.9	63.9	55.9	36.0	20.0	16.0	8.0	6.0
92.5°	127.8	133.8	83.9	59.9	49.9	43.9	28.0	14.0	10.0	6.0	4.0
95°	95.9	101.9	67.9	49.9	39.9	34.0	24.0	12.0	8.0	4.0	4.0
97.5°	65.9	65.9	47.9	38.0	32.0	26.0	18.0	10.0	6.0	4.0	4.0
100°	38.0	39.9	28.0	24.0	22.0	20.0	12.0	8.0	4.0	2.0	2.0
102.5°	20.0	20.0	14.0	14.0	12.0	12.0	10.0	6.0	4.0	2.0	2.0
105°	12.0	12.0	10.0	10.0	8.0	8.0	6.0	4.0	2.0	0.0	2.0
107.5°	10.0	10.0	8.0	8.0	6.0	6.0	4.0	4.0	2.0	0.0	0.0
110°	8.0	8.0	6.0	6.0	6.0	4.0	4.0	2.0	2.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-5TLD-U-T2-7030-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	8.0	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0
115°	8.0	6.0	6.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
117.5°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
120°	8.0	6.0	4.0	4.0	4.0	4.0	2.0	2.0	0.0	0.0	0.0
122.5°	8.0	6.0	4.0	4.0	4.0	2.0	2.0	2.0	0.0	0.0	0.0
125°	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
127.5°	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	0.0	0.0	0.0
130°	6.0	6.0	4.0	4.0	2.0	2.0	2.0	2.0	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

(END OF REPORT)