

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: P691531

Luminaire Tested: **CRTK2-C016-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691531
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-14)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K LED WITH TYPE III OPTIC AND SR REFRACTOR WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4488 lumens
Efficiency: N/A
Efficacy: 107.9 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B1 - U3 - G2

Input Watts (W): 41.6
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

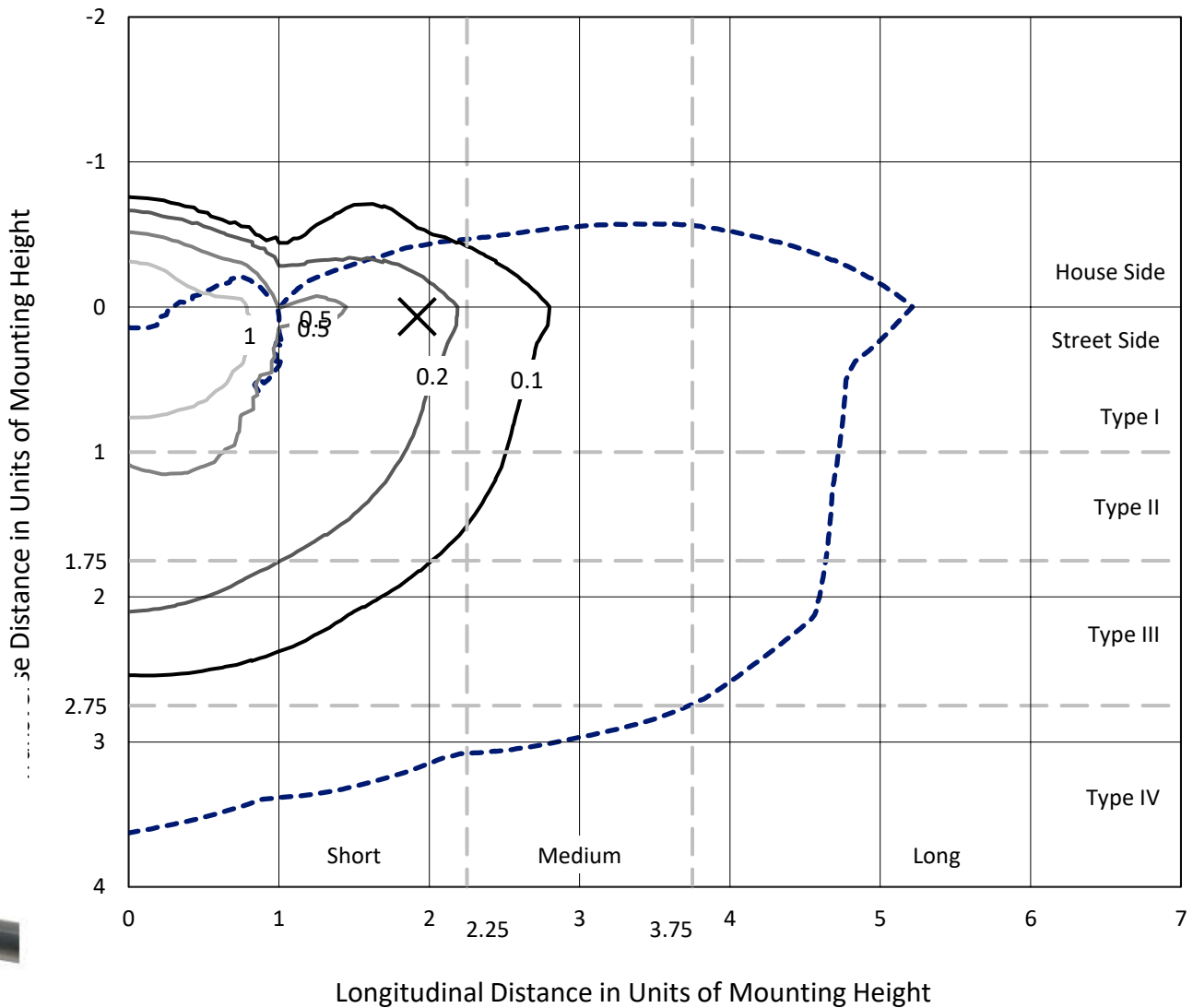


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

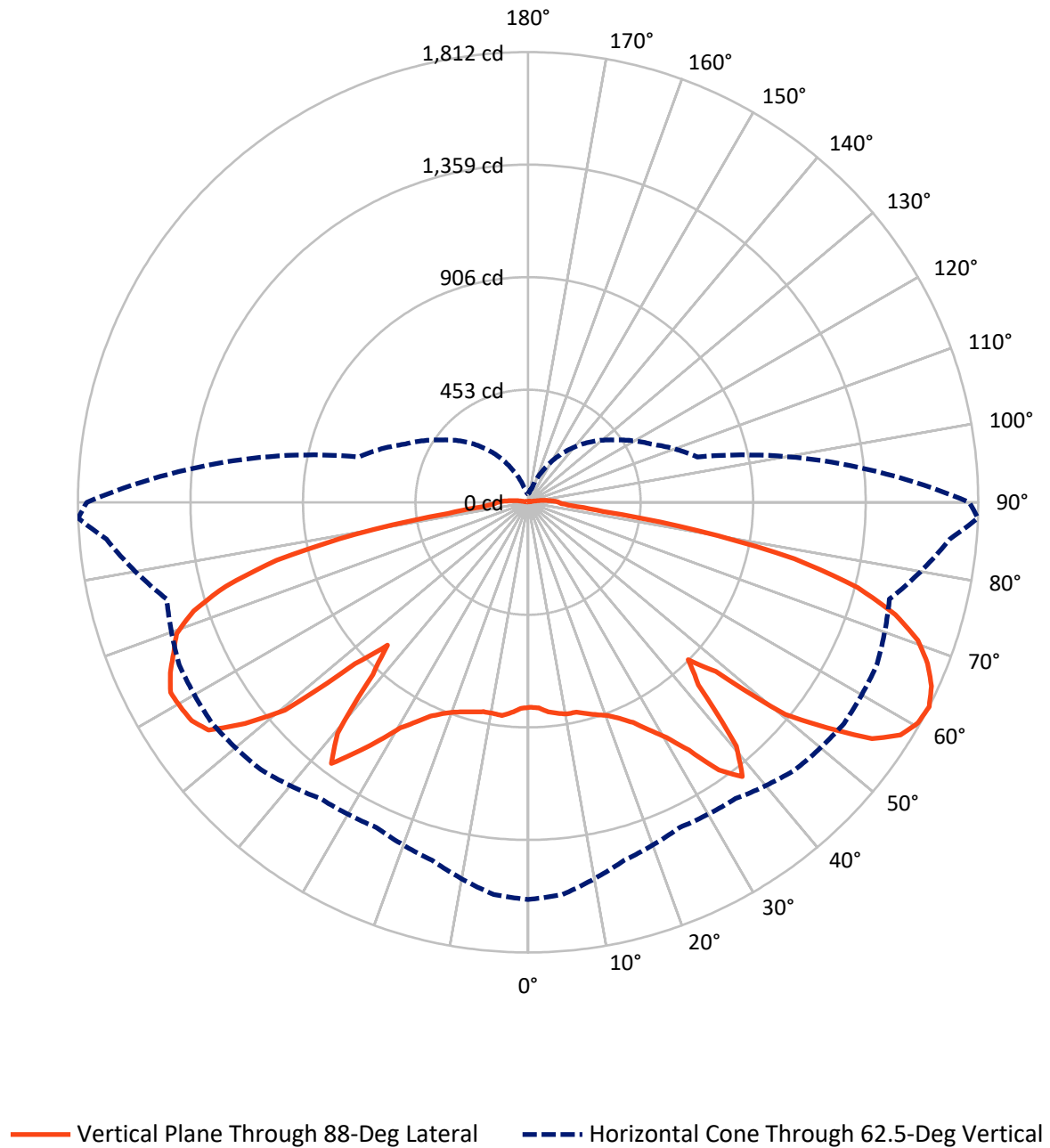


Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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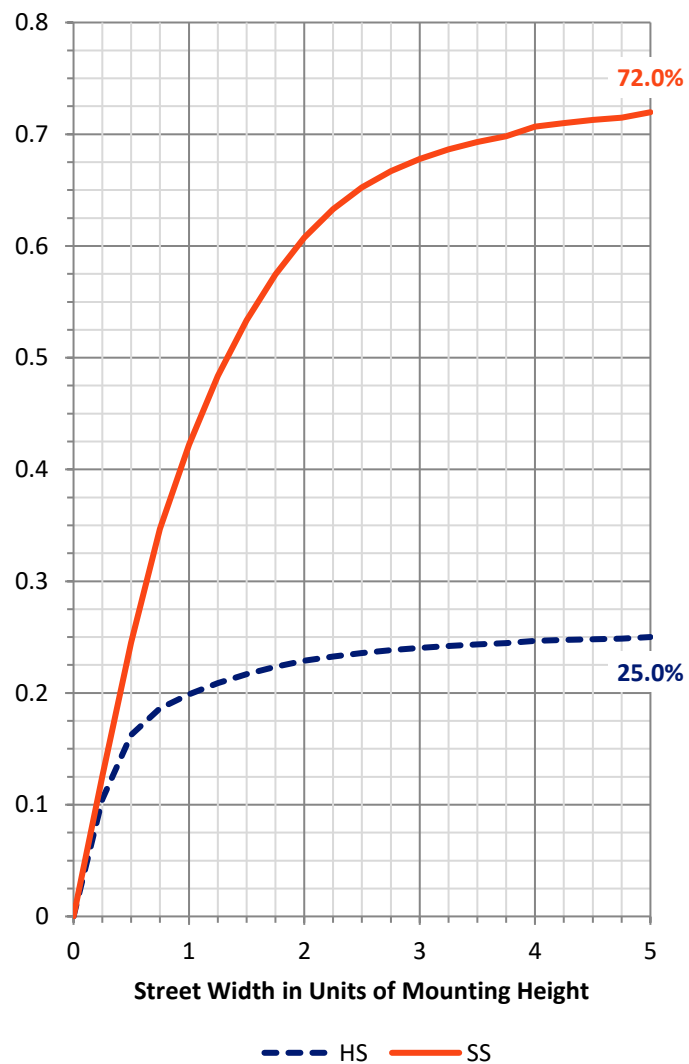
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1141.8	21.5	1163.3
	% Fixture	25.4	0.5	25.9
Street Side	Lumens	3271.6	53.1	3324.7
	% Fixture	72.9	1.2	74.1
Total	Lumens	4413.4	74.6	4488.0
	% Fixture	98.3	1.7	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.3	1.8
10°-20°	248.3	5.5
20°-30°	420.6	9.4
30°-40°	580.6	12.9
40°-50°	502.2	11.2
50°-60°	727.0	16.2
60°-70°	951.7	21.2
70°-80°	721.6	16.1
80°-90°	180.0	4.0
90°-100°	52.9	1.2
100°-110°	12.3	0.3
110°-120°	5.5	0.1
120°-130°	3.6	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°	4413.4	98.3
0°-180°	4488.0	100.0

Coefficient of Utilization



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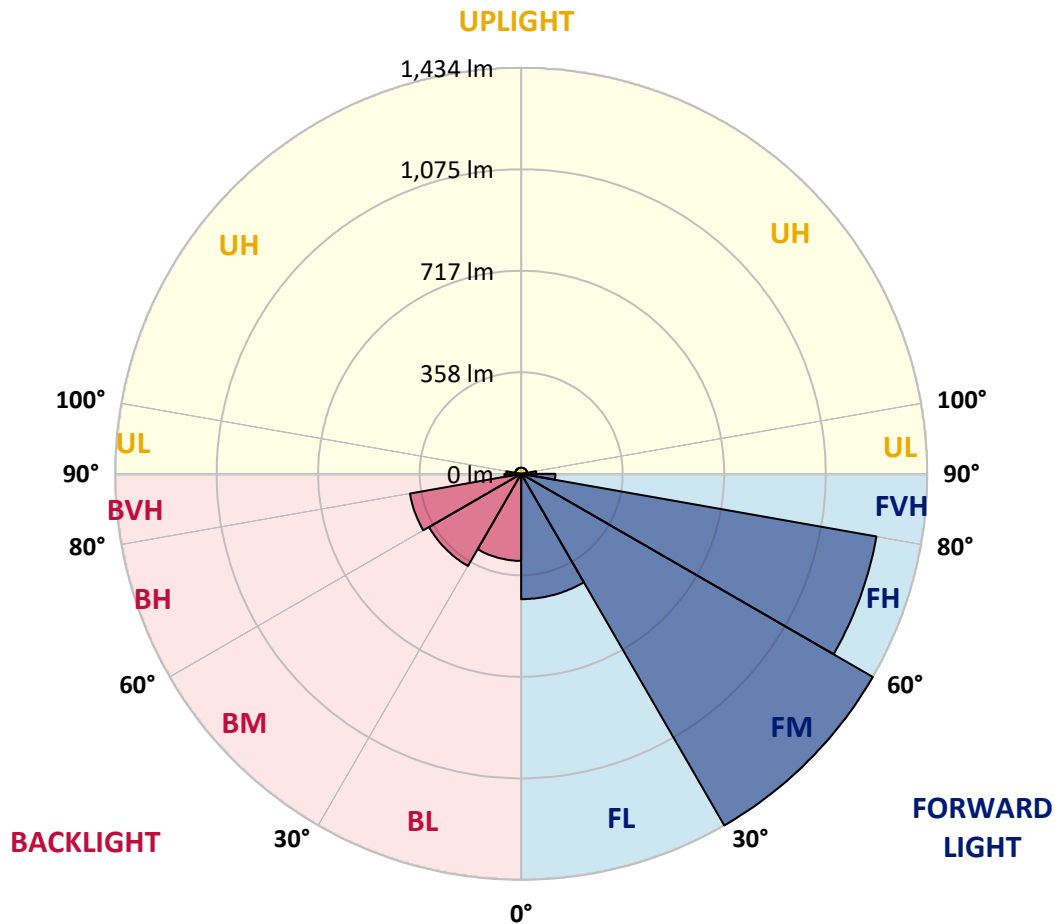
CATALOG NUMBER: CRTK2-C016-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	442.8	9.9			
FM	(30°-60°)	1433.9	31.9			
FH	(60°-80°)	1274.0	28.4			G1/1800
FVH	(80°-90°)	120.9	2.7			G2/225
BL	(0°-30°)	307.5	6.9	B1/500		
BM	(30°-60°)	375.9	8.4	B1/1000		
BH	(60°-80°)	399.2	8.9	B1/500		G1/500
BVH	(80°-90°)	59.1	1.3			G1/100
UL	(90°-100°)	52.9	1.2		U3/500	
UH	(100°-180°)	21.6	0.5		U2/50	

BUG Rating: B1-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
0°	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3
2.5°	816.7	816.7	815.0	816.7	820.2	823.6	820.2	821.9	823.6	827.0	828.8
5°	847.7	846.0	842.5	839.1	835.6	835.6	832.2	830.5	833.9	844.2	847.7
7.5°	873.5	868.3	864.9	866.6	861.4	852.8	846.0	842.5	839.1	852.8	858.0
10°	914.7	911.3	899.3	888.9	882.1	868.3	852.8	851.1	849.4	863.2	866.6
12.5°	956.0	952.6	945.7	935.4	913.0	901.0	876.9	866.6	864.9	873.5	866.6
15°	1016.2	1009.3	990.4	980.1	957.7	938.8	909.6	894.1	897.5	885.5	882.1
17.5°	1050.6	1047.1	1045.4	1029.9	1012.7	980.1	952.6	930.2	937.1	909.6	899.3
20°	1088.4	1086.7	1090.1	1091.8	1069.5	1040.3	1005.9	971.5	973.2	937.1	916.5
22.5°	1136.5	1131.4	1138.3	1146.9	1127.9	1103.9	1059.2	1031.7	1017.9	969.8	945.7
25°	1193.3	1191.6	1191.6	1207.0	1203.6	1170.9	1127.9	1097.0	1083.2	1017.9	981.8
27.5°	1251.7	1253.5	1256.9	1267.2	1272.4	1253.5	1212.2	1184.7	1158.9	1072.9	1036.8
30°	1289.6	1289.6	1313.6	1329.1	1336.0	1336.0	1286.1	1265.5	1239.7	1143.4	1098.7
32.5°	1336.0	1339.4	1361.8	1387.6	1397.9	1411.7	1370.4	1354.9	1332.6	1231.1	1189.8
35°	1368.7	1373.8	1408.2	1447.8	1475.3	1482.1	1458.1	1465.0	1454.6	1346.3	1324.0
37.5°	1226.0	1239.7	1291.3	1368.7	1442.6	1514.8	1540.6	1575.0	1580.2	1454.6	1401.3
40°	1067.8	1072.9	1131.4	1188.1	1279.3	1337.7	1403.1	1478.7	1437.4	1301.6	1291.3
42.5°	947.4	969.8	1050.6	1093.6	1164.1	1177.8	1145.1	1097.0	1023.1	1011.0	1005.9
45°	926.8	949.1	1029.9	1100.4	1134.8	966.3	875.2	811.6	840.8	913.0	904.4
47.5°	1023.1	1050.6	1134.8	1215.6	1145.1	957.7	897.5	895.8	871.8	995.5	1017.9
50°	1081.5	1103.9	1201.9	1200.2	1143.4	1052.3	1085.0	1048.9	1005.9	1217.4	1342.9
52.5°	1110.8	1131.4	1165.8	1208.8	1213.9	1207.0	1215.6	1186.4	1121.1	1413.4	1507.9
55°	1029.9	1081.5	1231.1	1305.0	1336.0	1317.1	1322.2	1301.6	1258.6	1535.5	1679.9
57.5°	1289.6	1317.1	1372.1	1391.0	1409.9	1401.3	1408.2	1401.3	1361.8	1626.6	1767.6
60°	1439.2	1439.2	1463.2	1432.3	1442.6	1471.8	1492.5	1492.5	1451.2	1693.6	1803.7
62.5°	1599.1	1585.3	1492.5	1444.3	1456.4	1521.7	1552.6	1549.2	1506.2	1704.0	1812.3
65°	1568.1	1544.0	1511.4	1406.5	1420.2	1511.4	1554.4	1552.6	1507.9	1666.1	1784.8
67.5°	1337.7	1360.1	1399.6	1391.0	1356.6	1461.5	1528.6	1532.0	1480.4	1602.5	1734.9
70°	1158.9	1172.7	1196.7	1268.9	1284.4	1392.7	1499.3	1514.8	1446.0	1528.6	1664.4
72.5°	1009.3	1017.9	999.0	1072.9	1127.9	1270.7	1396.2	1425.4	1354.9	1401.3	1545.8
75°	863.2	844.2	821.9	854.6	897.5	1048.9	1201.9	1260.3	1198.4	1227.7	1370.4
77.5°	670.6	643.1	620.7	629.3	668.9	799.5	947.4	1040.3	985.2	983.5	1097.0
80°	457.4	433.3	417.8	414.4	443.6	524.4	631.0	741.1	692.9	646.5	696.4
82.5°	285.4	285.4	271.7	251.0	249.3	264.8	285.4	312.9	295.7	288.9	304.3
85°	178.8	180.5	173.7	151.3	146.2	149.6	159.9	166.8	161.6	166.8	171.9
87.5°	125.5	123.8	115.2	111.8	110.0	115.2	123.8	127.2	127.2	132.4	132.4
90°	94.6	94.6	89.4	87.7	87.7	92.8	101.4	108.3	113.5	122.1	122.1
92.5°	79.1	79.1	75.7	73.9	73.9	75.7	82.5	91.1	96.3	104.9	101.4
95°	65.3	65.3	63.6	63.6	63.6	65.3	68.8	73.9	75.7	75.7	75.7
97.5°	51.6	49.9	48.1	48.1	48.1	49.9	51.6	56.7	58.5	53.3	53.3
100°	36.1	34.4	32.7	34.4	34.4	34.4	36.1	37.8	37.8	34.4	32.7
102.5°	22.4	22.4	22.4	22.4	20.6	20.6	20.6	20.6	18.9	17.2	17.2
105°	15.5	15.5	13.8	13.8	13.8	13.8	12.0	12.0	12.0	10.3	10.3
107.5°	12.0	12.0	12.0	12.0	12.0	10.3	10.3	10.3	10.3	8.6	8.6
110°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.6	8.6	6.9	6.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	88°
112.5°	10.3	10.3	10.3	10.3	10.3	8.6	8.6	8.6	8.6	6.9	6.9
115°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9
117.5°	8.6	8.6	8.6	8.6	8.6	8.6	6.9	6.9	6.9	8.6	6.9
120°	8.6	8.6	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9
122.5°	8.6	8.6	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
125°	6.9	6.9	6.9	6.9	5.2	5.2	5.2	5.2	5.2	5.2	5.2
127.5°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2
130°	5.2	5.2	5.2	5.2	5.2	5.2	3.4	3.4	3.4	3.4	3.4
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°	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3	825.3
2.5°	828.8	832.2	839.1	847.7	854.6	859.7	863.2	866.6	866.6	863.2	866.6
5°	847.7	851.1	863.2	871.8	871.8	866.6	863.2	861.4	864.9	866.6	870.0
7.5°	863.2	866.6	861.4	864.9	868.3	863.2	856.3	851.1	846.0	840.8	844.2
10°	864.9	856.3	856.3	852.8	840.8	842.5	840.8	832.2	825.3	827.0	828.8
12.5°	863.2	859.7	846.0	839.1	833.9	816.7	809.9	815.0	804.7	809.9	803.0
15°	878.6	861.4	847.7	830.5	811.6	803.0	790.9	773.7	766.9	768.6	770.3
17.5°	888.9	871.8	839.1	808.1	797.8	770.3	756.5	748.0	735.9	737.6	744.5
20°	906.1	880.3	833.9	801.3	751.4	732.5	715.3	705.0	694.6	679.2	672.3
22.5°	930.2	897.5	827.0	766.9	723.9	691.2	653.4	627.6	613.8	603.5	601.8
25°	961.2	923.3	828.8	751.4	682.6	634.5	601.8	557.1	524.4	521.0	526.1
27.5°	1017.9	952.6	839.1	727.3	648.2	574.3	514.1	483.2	445.3	436.7	436.7
30°	1072.9	999.0	832.2	706.7	589.8	507.2	426.4	368.0	347.3	331.8	330.1
32.5°	1174.4	1064.3	868.3	675.7	536.5	407.5	318.1	254.5	240.7	235.6	233.8
35°	1267.2	1153.7	871.8	636.2	457.4	316.4	228.7	185.7	177.1	171.9	170.2
37.5°	1366.9	1239.7	906.1	603.5	380.0	223.5	165.1	132.4	122.1	115.2	111.8
40°	1251.7	1136.5	890.7	548.5	282.0	142.7	103.2	72.2	61.9	61.9	61.9
42.5°	980.1	863.2	674.0	443.6	165.1	82.5	51.6	49.9	51.6	53.3	53.3
45°	868.3	715.3	412.7	235.6	68.8	46.4	41.3	39.5	44.7	49.9	51.6
47.5°	1021.3	851.1	318.1	165.1	73.9	46.4	37.8	37.8	36.1	32.7	32.7
50°	1380.7	1148.6	364.5	189.1	92.8	51.6	37.8	32.7	32.7	34.4	36.1
52.5°	1557.8	1279.3	429.9	245.9	135.8	70.5	41.3	32.7	29.2	24.1	24.1
55°	1710.8	1382.4	509.0	318.1	199.5	110.0	58.5	34.4	29.2	24.1	22.4
57.5°	1760.7	1394.5	593.2	400.6	271.7	171.9	101.4	48.1	30.9	25.8	24.1
60°	1767.6	1408.2	656.8	488.3	354.2	251.0	166.8	87.7	39.5	30.9	29.2
62.5°	1776.2	1411.7	705.0	551.9	436.7	340.4	240.7	139.3	60.2	36.1	34.4
65°	1745.2	1370.4	692.9	538.2	460.8	376.6	276.8	163.3	68.8	41.3	39.5
67.5°	1693.6	1334.3	643.1	495.2	416.1	328.4	237.3	132.4	63.6	48.1	46.4
70°	1652.4	1298.2	617.3	491.8	385.2	287.1	190.9	96.3	75.7	65.3	61.9
72.5°	1550.9	1212.2	596.6	490.0	385.2	280.3	185.7	103.2	103.2	104.9	98.0
75°	1380.7	1083.2	565.7	476.3	376.6	278.5	178.8	111.8	111.8	99.7	94.6
77.5°	1140.0	887.2	500.4	435.0	342.2	245.9	146.2	92.8	89.4	77.4	73.9
80°	754.8	636.2	398.9	359.4	282.0	197.7	108.3	72.2	67.1	56.7	53.3
82.5°	338.7	304.3	252.8	254.5	202.9	141.0	73.9	49.9	46.4	37.8	36.1
85°	185.7	175.4	137.6	120.4	103.2	73.9	43.0	32.7	27.5	20.6	20.6
87.5°	141.0	135.8	101.4	79.1	60.2	43.0	27.5	20.6	15.5	10.3	8.6
90°	129.0	122.1	82.5	63.6	48.1	34.4	22.4	13.8	10.3	6.9	5.2
92.5°	108.3	103.2	67.1	53.3	41.3	30.9	18.9	10.3	6.9	3.4	3.4
95°	79.1	77.4	49.9	41.3	32.7	25.8	15.5	8.6	5.2	3.4	1.7
97.5°	53.3	51.6	36.1	30.9	25.8	18.9	12.0	6.9	3.4	1.7	1.7
100°	32.7	32.7	22.4	20.6	17.2	13.8	8.6	5.2	3.4	1.7	1.7
102.5°	17.2	15.5	12.0	12.0	10.3	8.6	6.9	3.4	1.7	0.0	0.0
105°	10.3	8.6	8.6	6.9	6.9	5.2	5.2	3.4	1.7	0.0	0.0
107.5°	8.6	6.9	6.9	5.2	5.2	3.4	3.4	1.7	1.7	0.0	0.0
110°	6.9	6.9	5.2	5.2	3.4	3.4	3.4	1.7	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C016-D-U-T3-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.9	5.2	5.2	3.4	3.4	3.4	1.7	1.7	0.0	0.0	0.0
115°	6.9	5.2	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0
117.5°	6.9	5.2	3.4	3.4	3.4	1.7	1.7	1.7	0.0	0.0	0.0
120°	6.9	5.2	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0
122.5°	6.9	5.2	3.4	3.4	1.7	1.7	1.7	1.7	0.0	0.0	0.0
125°	5.2	3.4	3.4	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
127.5°	5.2	3.4	3.4	1.7	1.7	1.7	1.7	1.7	0.0	0.0	0.0
130°	3.4	3.4	3.4	1.7	1.7	1.7	1.7	1.7	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)