

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: P691499

Luminaire Tested: **CRTK2-C016-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691499
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-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 4331 lumens
Efficiency: N/A
Efficacy: 104.1 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): 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

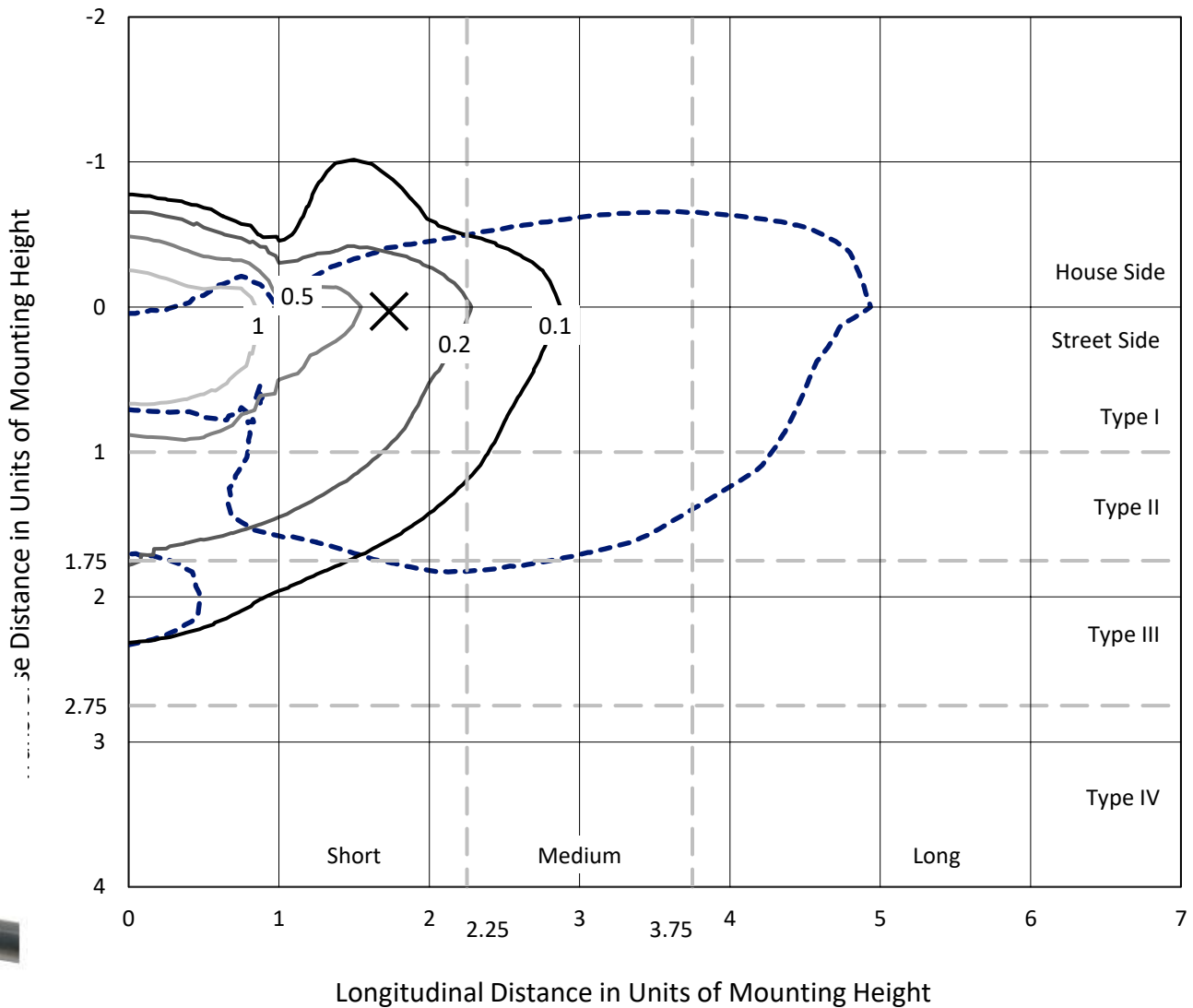


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

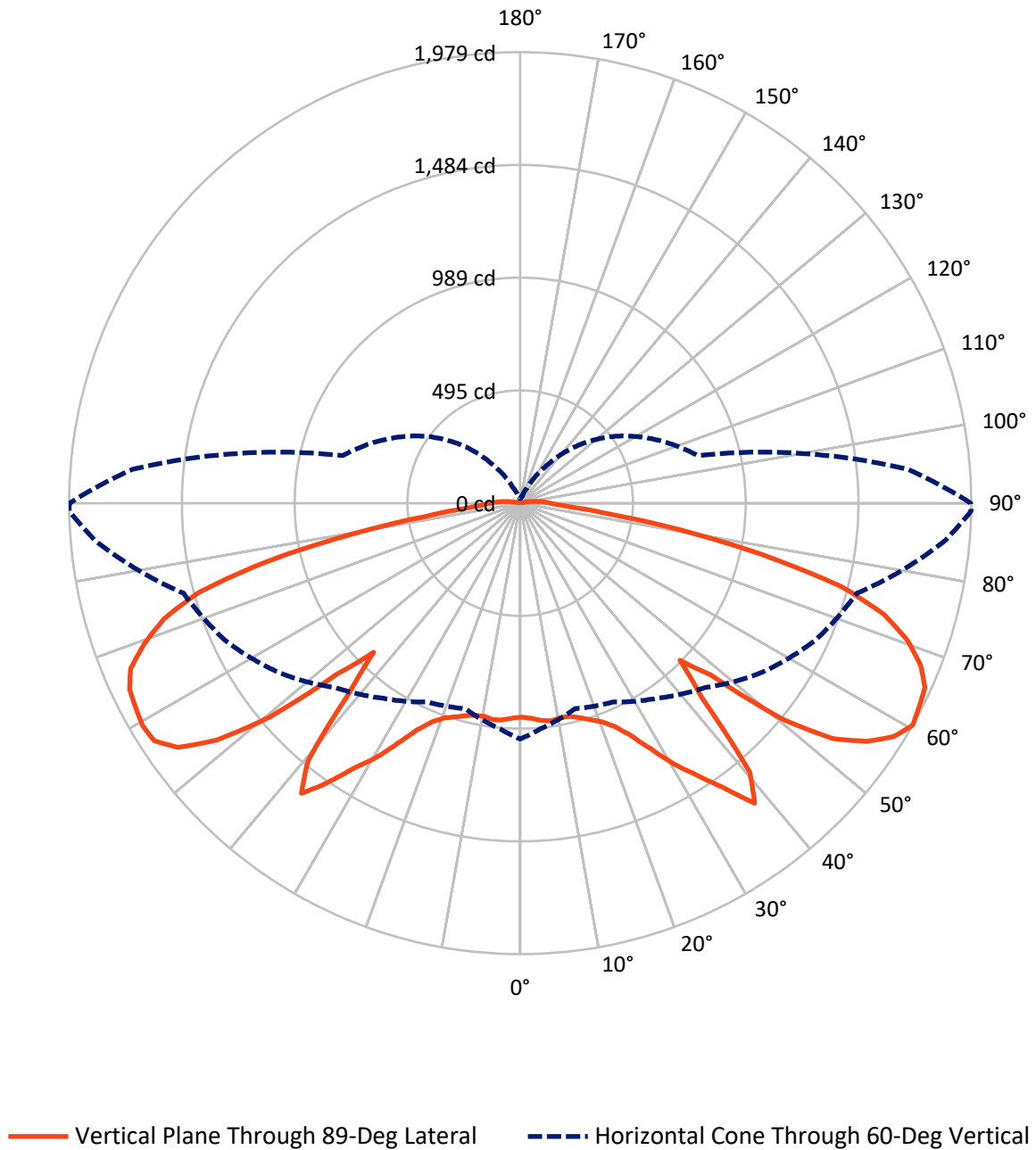


Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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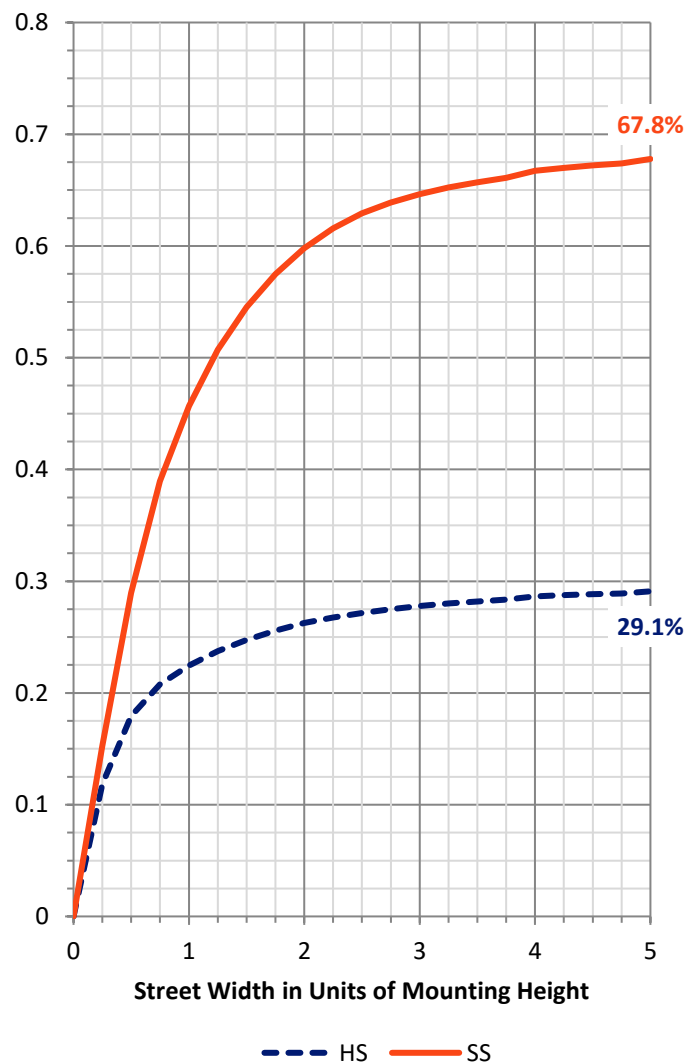
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1285.7	24.1	1309.8
	% Fixture	29.7	0.6	30.2
Street Side	Lumens	2974.6	46.6	3021.2
	% Fixture	68.7	1.1	69.8
Total	Lumens	4260.3	70.7	4331.0
	% Fixture	98.4	1.6	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.3	2.1
10°-20°	266.4	6.2
20°-30°	439.7	10.2
30°-40°	596.5	13.8
40°-50°	496.8	11.5
50°-60°	688.0	15.9
60°-70°	848.0	19.6
70°-80°	642.1	14.8
80°-90°	192.7	4.4
90°-100°	49.9	1.2
100°-110°	11.4	0.3
110°-120°	5.3	0.1
120°-130°	3.6	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°	4260.3	98.4
0°-180°	4331.0	100.0

Coefficient of Utilization



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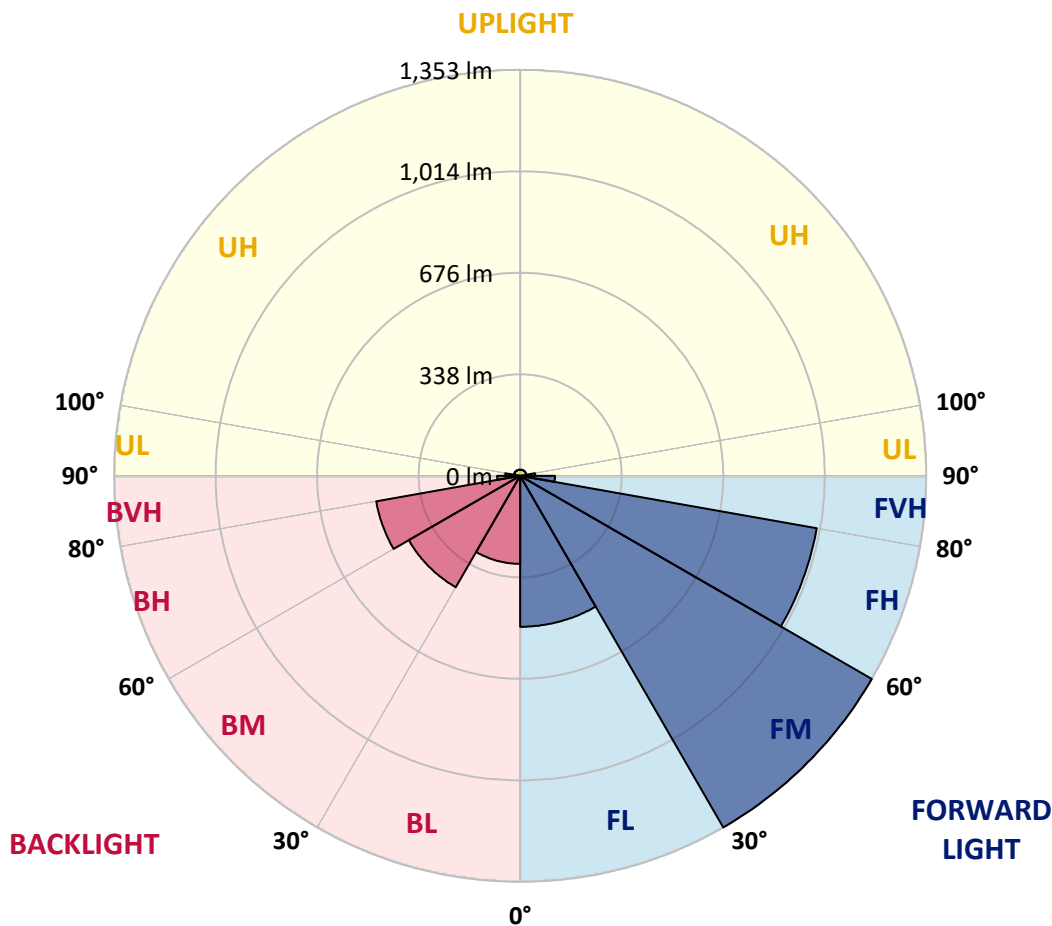
CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.1	11.6			
FM	(30°-60°)	1352.6	31.2			
FH	(60°-80°)	1003.1	23.2			G1/1800
FVH	(80°-90°)	115.9	2.7			G2/225
BL	(0°-30°)	293.3	6.8	B1/500		
BM	(30°-60°)	428.7	9.9	B1/1000		
BH	(60°-80°)	487.0	11.2	B1/500		G1/500
BVH	(80°-90°)	76.8	1.8			G1/100
UL	(90°-100°)	49.9	1.2		U2/50	
UH	(100°-180°)	20.7	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°	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7
2.5°	985.1	980.0	980.0	980.0	969.6	969.6	962.8	959.3	952.5	947.3	945.6
5°	1041.9	1038.4	1038.4	1036.7	1026.4	1019.5	1005.7	993.7	983.4	966.2	957.6
7.5°	1086.6	1081.4	1081.4	1079.7	1069.4	1060.8	1045.3	1017.8	997.2	978.2	964.5
10°	1102.0	1100.3	1098.6	1093.4	1084.8	1078.0	1064.2	1038.4	1005.7	974.8	957.6
12.5°	1131.3	1131.3	1126.1	1119.2	1112.3	1105.5	1086.6	1065.9	1029.8	981.7	959.3
15°	1169.1	1165.6	1162.2	1158.8	1153.6	1143.3	1126.1	1100.3	1059.0	1000.6	976.5
17.5°	1184.5	1182.8	1182.8	1184.5	1182.8	1176.0	1172.5	1143.3	1100.3	1026.4	998.9
20°	1188.0	1189.7	1193.1	1205.2	1208.6	1205.2	1210.3	1193.1	1143.3	1060.8	1024.7
22.5°	1208.6	1212.1	1218.9	1231.0	1236.1	1241.3	1246.4	1260.2	1210.3	1114.1	1064.2
25°	1200.0	1203.5	1224.1	1243.0	1261.9	1277.4	1310.1	1341.0	1304.9	1193.1	1129.5
27.5°	1177.7	1184.5	1220.7	1258.5	1304.9	1346.2	1406.3	1444.2	1414.9	1292.9	1220.7
30°	1196.6	1196.6	1220.7	1275.7	1335.8	1428.7	1507.8	1550.7	1530.1	1389.1	1327.2
32.5°	1157.0	1167.4	1217.2	1299.7	1392.6	1511.2	1588.6	1664.2	1671.1	1518.1	1421.8
35°	1035.0	1052.2	1093.4	1203.5	1346.2	1552.5	1688.3	1789.7	1822.4	1672.8	1531.8
37.5°	852.7	864.8	937.0	1047.0	1217.2	1414.9	1633.3	1863.6	1954.8	1772.5	1671.1
40°	754.7	763.3	806.3	897.4	1053.9	1244.7	1416.6	1638.4	1688.3	1617.8	1550.7
42.5°	722.1	735.8	789.1	873.4	1000.6	1134.7	1162.2	1244.7	1218.9	1227.5	1169.1
45°	766.8	771.9	811.5	885.4	962.8	998.9	962.8	1019.5	1047.0	1041.9	983.4
47.5°	789.1	797.7	840.7	935.3	935.3	937.0	981.7	1016.1	1095.1	1169.1	1127.8
50°	677.4	689.4	768.5	844.1	856.2	998.9	1115.8	1182.8	1265.4	1463.1	1487.1
52.5°	637.8	646.4	732.4	883.7	971.4	1117.5	1189.7	1251.6	1322.1	1648.7	1715.8
55°	698.0	713.5	814.9	971.4	1067.6	1155.3	1248.2	1337.6	1413.2	1794.9	1844.7
57.5°	806.3	835.5	897.4	985.1	1076.2	1155.3	1279.1	1389.1	1488.9	1851.6	1932.4
60°	1035.0	995.4	933.5	962.8	1045.3	1145.0	1294.6	1427.0	1528.4	1872.2	1978.8
62.5°	1141.6	1112.3	961.0	921.5	993.7	1108.9	1265.4	1427.0	1514.6	1832.7	1965.1
65°	1103.7	1079.7	971.4	873.4	930.1	1059.0	1220.7	1406.3	1483.7	1782.8	1951.3
67.5°	940.4	916.3	882.0	845.9	869.9	1009.2	1179.4	1368.5	1449.3	1741.6	1894.6
70°	765.1	751.3	739.3	766.8	811.5	933.5	1096.9	1284.3	1380.5	1641.9	1801.8
72.5°	651.6	643.0	622.4	649.9	720.4	832.1	973.1	1160.5	1275.7	1473.4	1669.4
75°	553.6	548.4	541.6	555.3	600.0	704.9	816.6	1000.6	1139.8	1286.0	1451.0
77.5°	448.7	441.8	457.3	460.8	495.1	570.8	643.0	796.0	950.7	1009.2	1083.1
80°	326.7	333.5	359.3	349.0	374.8	400.6	452.2	519.2	641.3	706.6	711.8
82.5°	228.7	235.5	259.6	233.8	240.7	242.4	261.3	285.4	335.2	390.3	397.1
85°	161.6	165.0	170.2	151.3	151.3	151.3	163.3	177.1	202.9	225.2	230.4
87.5°	115.2	115.2	122.1	115.2	113.5	111.7	118.6	123.8	139.3	154.7	158.2
90°	86.0	86.0	89.4	86.0	86.0	86.0	92.8	98.0	111.7	125.5	127.2
92.5°	61.9	61.9	67.0	65.3	65.3	67.0	73.9	77.4	89.4	103.2	104.9
95°	48.1	48.1	51.6	49.9	49.9	53.3	58.5	61.9	70.5	77.4	79.1
97.5°	34.4	34.4	36.1	36.1	36.1	36.1	39.5	44.7	55.0	55.0	53.3
100°	24.1	24.1	25.8	24.1	24.1	25.8	25.8	29.2	34.4	32.7	32.7
102.5°	17.2	17.2	17.2	17.2	17.2	15.5	15.5	17.2	18.9	17.2	17.2
105°	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	12.0	10.3
107.5°	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	10.3	8.6	8.6
110°	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	8.6	6.9

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CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	89°
112.5°	8.6	8.6	8.6	8.6	8.6	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°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
120°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
122.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9	6.9
125°	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	6.9	6.9	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	3.4	5.2	5.2	5.2	5.2	5.2	5.2	5.2	5.2	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°	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7	938.7
2.5°	943.9	940.4	930.1	918.1	907.8	899.2	890.6	883.7	882.0	878.5	882.0
5°	955.9	943.9	919.8	904.3	890.6	876.8	863.1	856.2	851.0	847.6	847.6
7.5°	961.0	943.9	916.3	895.7	866.5	837.3	820.1	806.3	801.2	806.3	806.3
10°	952.5	931.8	899.2	868.2	828.7	804.6	780.5	768.5	761.6	761.6	756.5
12.5°	955.9	931.8	883.7	837.3	804.6	761.6	732.4	718.6	708.3	711.8	711.8
15°	969.6	937.0	869.9	823.5	766.8	732.4	696.3	687.7	686.0	680.8	677.4
17.5°	990.3	942.1	866.5	792.6	734.1	692.8	658.5	643.0	634.4	629.2	627.5
20°	1012.6	949.0	856.2	763.3	699.7	646.4	605.2	584.5	577.7	577.7	574.2
22.5°	1050.4	973.1	847.6	749.6	653.3	600.0	558.7	529.5	515.8	514.0	512.3
25°	1112.3	1019.5	856.2	718.6	625.8	546.7	500.3	474.5	459.0	453.9	453.9
27.5°	1206.9	1083.1	868.2	701.4	569.1	496.9	445.3	405.7	383.4	385.1	386.8
30°	1308.3	1177.7	902.6	673.9	533.0	426.4	364.5	333.5	312.9	306.0	302.6
32.5°	1390.9	1275.7	952.5	651.6	465.9	340.4	287.1	264.8	242.4	223.5	216.6
35°	1518.1	1358.2	995.4	618.9	410.9	278.5	232.1	197.7	178.8	170.2	166.8
37.5°	1633.3	1439.0	1028.1	612.0	333.5	239.0	184.0	147.9	128.9	127.2	127.2
40°	1494.0	1337.6	1004.0	557.0	263.0	185.7	132.4	104.9	91.1	84.2	84.2
42.5°	1143.3	1024.7	765.1	464.2	189.1	125.5	84.2	79.1	77.4	70.5	70.5
45°	957.6	756.5	464.2	242.4	89.4	68.8	60.2	60.2	61.9	67.0	67.0
47.5°	1150.2	894.0	342.1	173.6	87.7	60.2	53.3	48.1	44.7	43.0	43.0
50°	1488.9	1272.2	436.7	206.3	104.9	61.9	48.1	43.0	41.3	39.5	36.1
52.5°	1736.4	1490.6	575.9	314.6	168.5	79.1	48.1	36.1	27.5	24.1	22.3
55°	1886.0	1681.4	679.1	452.2	273.4	132.4	60.2	32.7	24.1	20.6	18.9
57.5°	1966.8	1703.8	765.1	575.9	402.3	235.5	104.9	39.5	24.1	18.9	18.9
60°	1977.1	1707.2	806.3	658.5	512.3	357.6	199.4	77.4	30.9	22.3	20.6
62.5°	1968.5	1678.0	816.6	691.1	579.4	457.3	314.6	153.0	48.1	25.8	24.1
65°	1953.0	1679.7	770.2	661.9	579.4	490.0	364.5	201.1	68.8	29.2	27.5
67.5°	1901.5	1674.5	744.4	598.3	524.4	438.4	326.7	187.4	79.1	36.1	34.4
70°	1796.6	1612.6	729.0	572.5	491.7	390.3	275.1	149.6	89.4	61.9	67.0
72.5°	1678.0	1500.9	713.5	550.2	479.7	388.5	276.8	161.6	120.3	101.4	108.3
75°	1500.9	1306.6	686.0	527.8	472.8	400.6	280.2	153.0	113.5	91.1	89.4
77.5°	1155.3	1086.6	625.8	472.8	429.8	369.6	239.0	116.9	84.2	63.6	61.9
80°	754.7	746.1	488.3	381.7	362.8	326.7	199.4	91.1	67.0	51.6	48.1
82.5°	426.4	409.2	304.3	240.7	256.2	264.8	161.6	68.8	51.6	41.3	37.8
85°	242.4	245.8	177.1	130.7	132.4	156.4	104.9	48.1	32.7	24.1	22.3
87.5°	166.8	171.9	115.2	87.7	79.1	73.9	55.0	29.2	18.9	12.0	8.6
90°	135.8	135.8	86.0	63.6	55.0	48.1	30.9	17.2	13.8	6.9	5.2
92.5°	110.0	115.2	72.2	51.6	43.0	37.8	24.1	12.0	8.6	5.2	3.4
95°	82.5	87.7	58.5	43.0	34.4	29.2	20.6	10.3	6.9	3.4	3.4
97.5°	56.7	56.7	41.3	32.7	27.5	22.3	15.5	8.6	5.2	3.4	3.4
100°	32.7	34.4	24.1	20.6	18.9	17.2	10.3	6.9	3.4	1.7	1.7
102.5°	17.2	17.2	12.0	12.0	10.3	10.3	8.6	5.2	3.4	1.7	1.7
105°	10.3	10.3	8.6	8.6	6.9	6.9	5.2	3.4	1.7	0.0	1.7
107.5°	8.6	8.6	6.9	6.9	5.2	5.2	3.4	3.4	1.7	0.0	0.0
110°	6.9	6.9	5.2	5.2	5.2	3.4	3.4	1.7	1.7	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-D-U-T2-8027-SR-CARETAKER-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

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