

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: P691460

Luminaire Tested: **CRTK2-C016-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691460
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-22)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4022 lumens
Efficiency: N/A
Efficacy: 94.0 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): 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

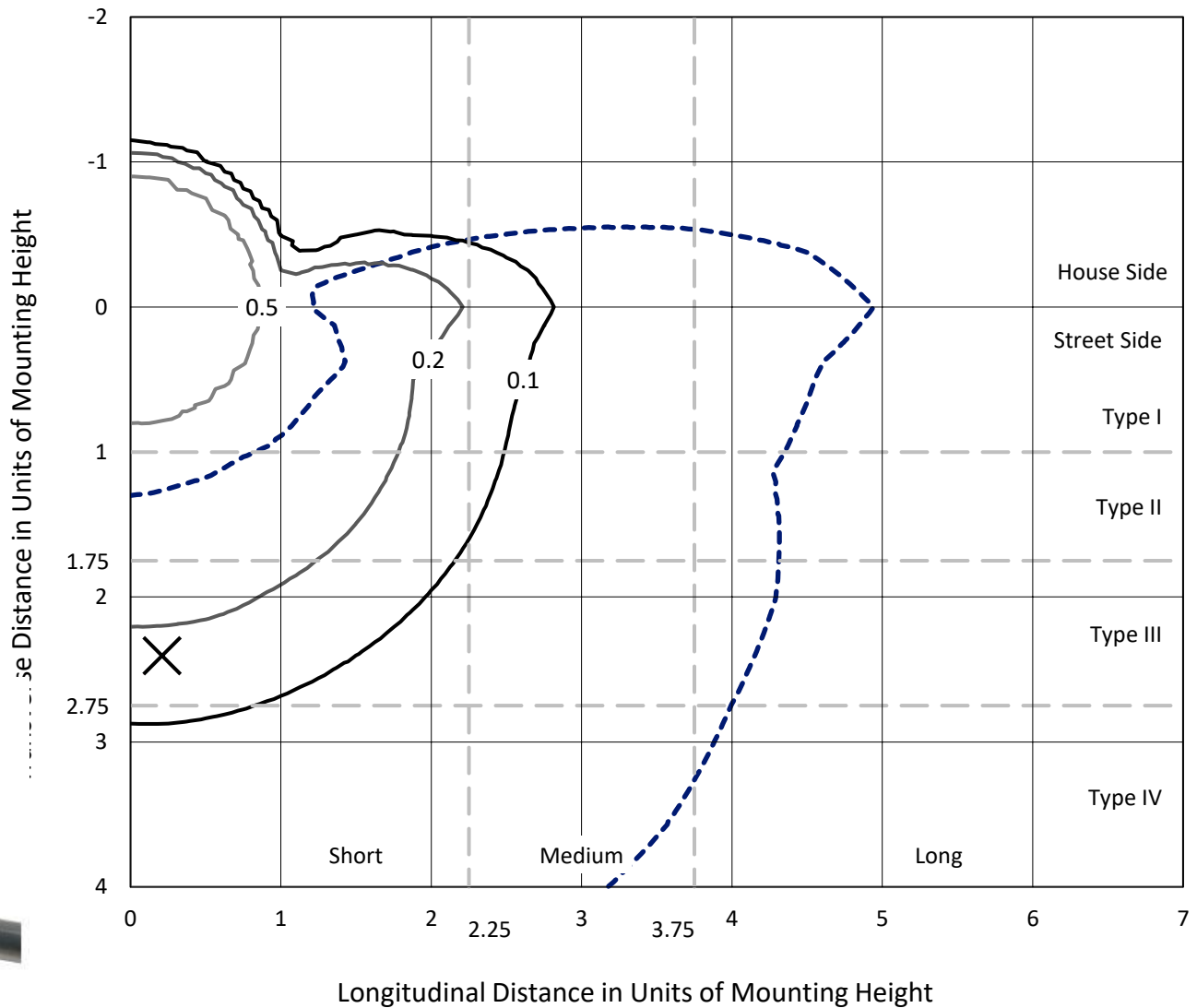


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

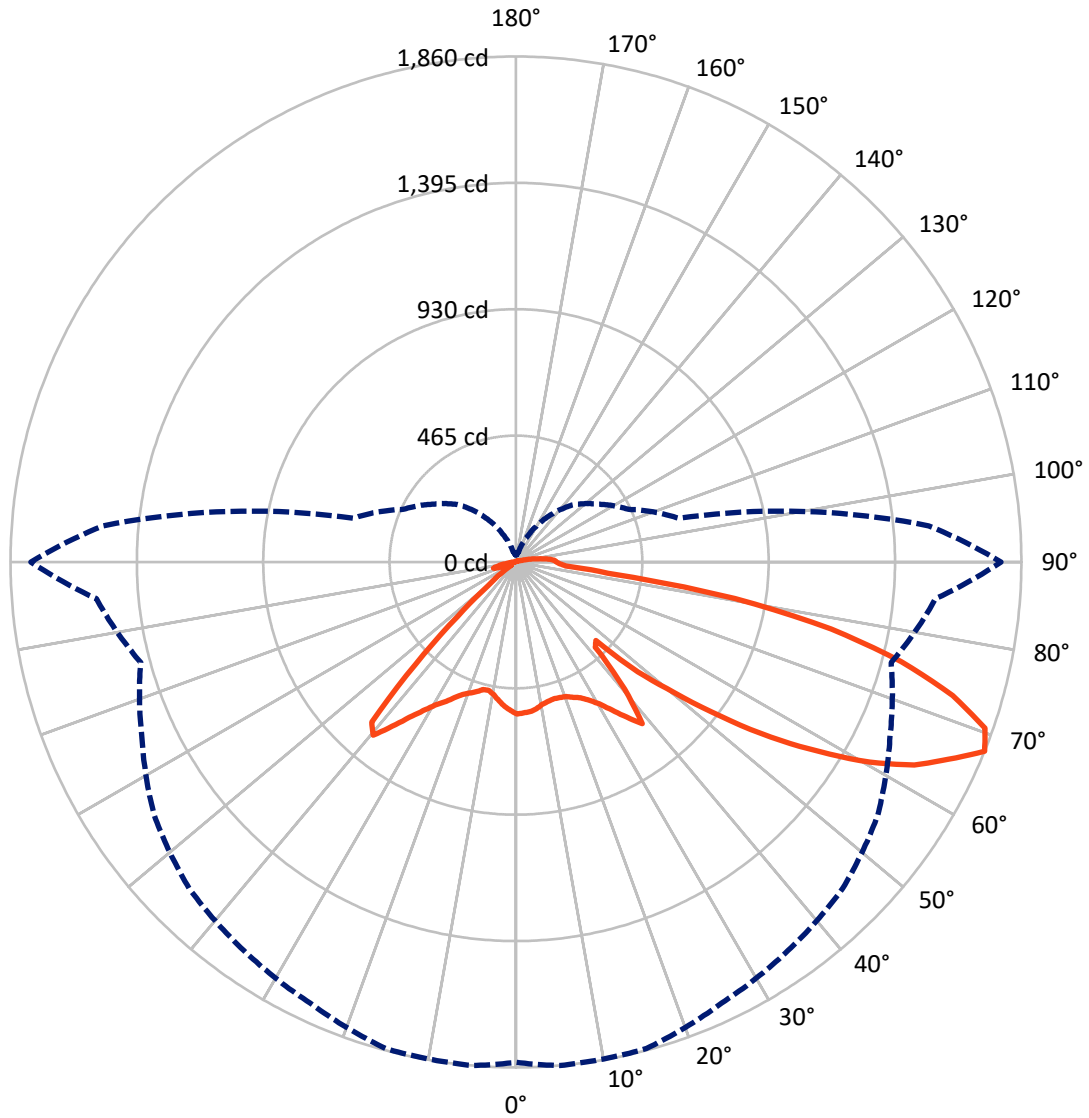


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 5-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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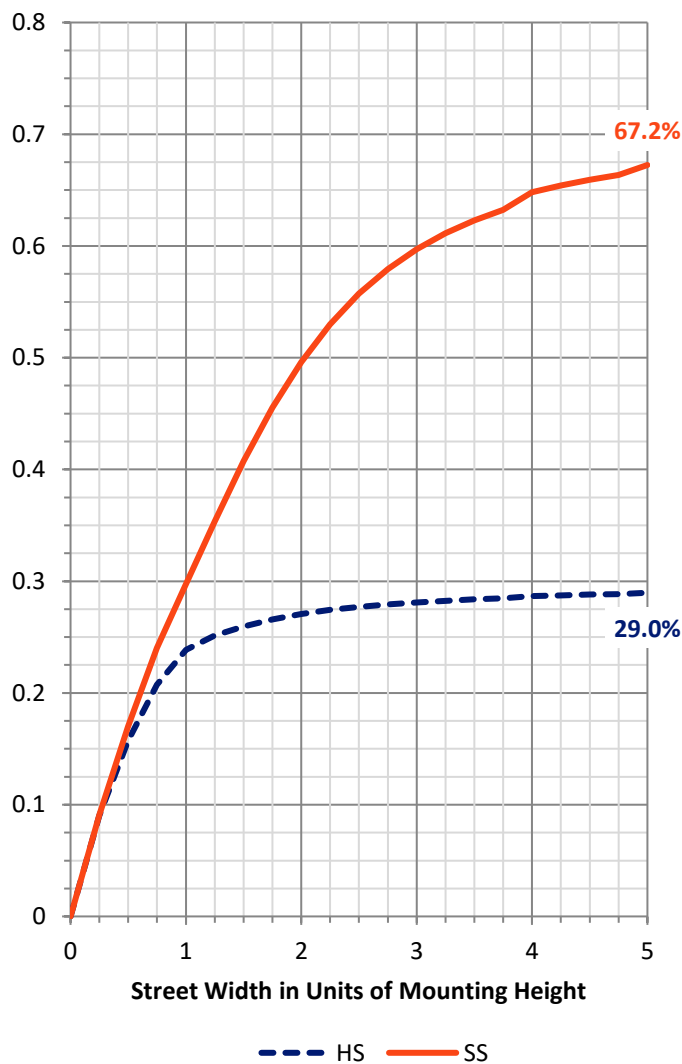
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1178.7	17.7	1196.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	2756.3	69.2	2825.5
	% Fixture	68.5	1.7	70.3
Total	Lumens	3935.0	87.0	4022.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.3
10°-20°	149.2	3.7
20°-30°	265.1	6.6
30°-40°	443.4	11.0
40°-50°	404.9	10.1
50°-60°	601.0	14.9
60°-70°	985.9	24.5
70°-80°	846.2	21.0
80°-90°	187.7	4.7
90°-100°	63.3	1.6
100°-110°	15.6	0.4
110°-120°	5.0	0.1
120°-130°	2.8	0.1
130°-140°	0.2	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°	3935.0	97.8
0°-180°	4022.0	100.0

Coefficient of Utilization



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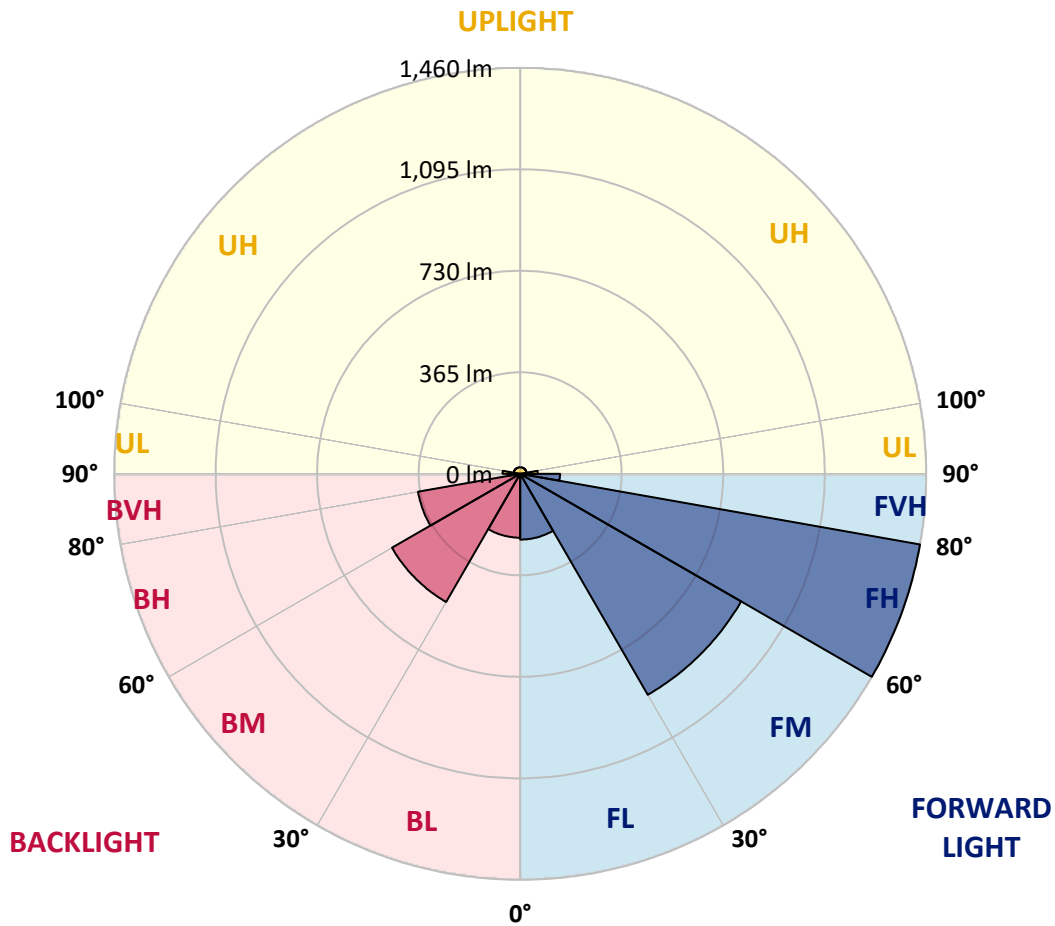
CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	236.4	5.9			
FM (30°-60°)	917.3	22.8			
FH (60°-80°)	1459.5	36.3			G1/1800
FVH (80°-90°)	143.1	3.6			G2/225
BL (0°-30°)	229.6	5.7	B1/500		
BM (30°-60°)	531.9	13.2	B1/1000		
BH (60°-80°)	372.6	9.3	B1/500		G1/500
BVH (80°-90°)	44.6	1.1			G1/100
UL (90°-100°)	63.3	1.6		U3/500	
UH (100°-180°)	23.6	0.6		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°	90°
0°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	555.4	555.4	555.4	557.5	559.6	557.5	555.4	553.3	551.3	553.3	553.3
5°	553.3	553.3	555.4	555.4	557.5	559.6	557.5	555.4	553.3	553.3	553.3
7.5°	542.9	545.0	545.0	547.1	549.2	553.3	553.3	549.2	549.2	549.2	549.2
10°	532.5	532.5	534.6	536.7	538.8	542.9	542.9	538.8	540.9	542.9	542.9
12.5°	526.3	526.3	528.4	532.5	534.6	536.7	538.8	538.8	540.9	538.8	540.9
15°	522.1	522.1	522.1	528.4	534.6	536.7	540.9	542.9	545.0	545.0	545.0
17.5°	524.2	524.2	524.2	532.5	536.7	542.9	547.1	549.2	549.2	551.3	551.3
20°	528.4	528.4	530.5	536.7	545.0	551.3	555.4	557.5	557.5	561.7	561.7
22.5°	536.7	540.9	538.8	545.0	551.3	559.6	565.8	570.0	570.0	574.1	574.1
25°	555.4	553.3	555.4	561.7	567.9	574.1	578.3	584.5	586.6	590.8	590.8
27.5°	576.2	576.2	576.2	582.5	586.6	592.9	597.0	601.2	605.3	611.6	613.7
30°	607.4	605.3	603.3	609.5	613.7	619.9	624.1	626.2	626.2	630.3	634.5
32.5°	649.0	649.0	649.0	653.2	655.3	661.5	663.6	665.7	663.6	669.8	671.9
35°	701.0	701.0	703.1	707.3	713.5	717.7	719.8	717.7	719.8	723.9	728.1
37.5°	753.0	755.1	761.4	767.6	771.8	780.1	786.3	786.3	788.4	800.9	800.9
40°	609.5	615.8	622.0	636.6	655.3	680.2	721.8	738.5	786.3	811.3	817.5
42.5°	414.0	428.5	445.2	463.9	478.5	480.5	520.1	542.9	590.8	636.6	649.0
45°	395.2	411.9	428.5	416.0	426.4	393.2	432.7	436.8	459.7	495.1	588.7
47.5°	580.4	603.3	626.2	594.9	601.2	528.4	542.9	526.3	474.3	532.5	688.6
50°	757.2	755.1	788.4	773.8	790.5	711.4	717.7	684.4	603.3	684.4	907.0
52.5°	927.8	944.4	979.8	975.6	988.1	886.2	867.5	838.3	711.4	836.3	1098.4
55°	1125.4	1137.9	1171.2	1160.8	1154.5	1052.6	1019.3	990.2	867.5	1029.7	1302.2
57.5°	1310.5	1316.8	1356.3	1321.0	1300.1	1223.2	1177.4	1129.6	1008.9	1206.5	1443.7
60°	1487.4	1495.7	1518.6	1470.7	1437.4	1377.1	1321.0	1268.9	1156.6	1364.6	1574.7
62.5°	1653.8	1645.5	1655.9	1595.5	1572.7	1518.6	1458.2	1393.8	1296.0	1489.4	1701.6
65°	1749.5	1749.5	1762.0	1685.0	1649.6	1616.3	1549.8	1474.9	1385.4	1549.8	1780.7
67.5°	1841.0	1859.7	1853.5	1791.1	1745.3	1699.6	1624.7	1518.6	1429.1	1549.8	1784.8
70°	1807.7	1830.6	1805.6	1755.7	1710.0	1655.9	1587.2	1483.2	1383.4	1474.9	1689.2
72.5°	1664.2	1680.8	1670.4	1626.7	1570.6	1535.2	1462.4	1383.4	1266.9	1345.9	1533.1
75°	1468.6	1464.5	1483.2	1433.3	1385.4	1352.2	1281.4	1231.5	1123.3	1181.6	1360.5
77.5°	1183.7	1185.7	1225.3	1169.1	1131.6	1108.8	1044.3	1002.7	904.9	956.9	1094.2
80°	794.7	817.5	855.0	794.7	788.4	757.2	703.1	676.1	601.2	626.2	699.0
82.5°	330.8	341.2	353.6	334.9	328.7	318.3	295.4	287.1	257.9	270.4	270.4
85°	185.1	183.1	189.3	189.3	185.1	176.8	168.5	153.9	141.5	139.4	129.0
87.5°	156.0	158.1	162.3	162.3	153.9	147.7	137.3	126.9	116.5	110.3	99.9
90°	145.6	147.7	149.8	143.5	135.2	129.0	120.7	112.3	104.0	99.9	89.5
92.5°	139.4	139.4	139.4	131.1	122.7	116.5	110.3	101.9	95.7	91.5	83.2
95°	116.5	114.4	112.3	108.2	99.9	93.6	89.5	81.1	77.0	72.8	68.6
97.5°	87.4	85.3	83.2	81.1	72.8	68.6	66.6	62.4	58.2	52.0	49.9
100°	62.4	60.3	60.3	58.2	54.1	49.9	47.8	43.7	39.5	35.4	33.3
102.5°	41.6	39.5	39.5	37.4	35.4	33.3	29.1	27.0	22.9	20.8	18.7
105°	22.9	22.9	22.9	20.8	20.8	18.7	16.6	14.6	12.5	12.5	10.4
107.5°	16.6	16.6	16.6	16.6	14.6	14.6	12.5	10.4	10.4	8.3	8.3
110°	12.5	12.5	12.5	12.5	12.5	10.4	10.4	8.3	8.3	6.2	6.2



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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	10.4	10.4	10.4	10.4	10.4	10.4	8.3	8.3	6.2	6.2	6.2
115°	10.4	10.4	10.4	10.4	8.3	8.3	6.2	6.2	6.2	6.2	4.2
117.5°	8.3	8.3	8.3	8.3	8.3	6.2	6.2	6.2	6.2	4.2	6.2
120°	8.3	8.3	8.3	8.3	6.2	6.2	6.2	4.2	4.2	4.2	4.2
122.5°	6.2	6.2	6.2	6.2	6.2	6.2	6.2	4.2	4.2	4.2	4.2
125°	6.2	6.2	6.2	6.2	6.2	4.2	4.2	4.2	4.2	4.2	4.2
127.5°	6.2	6.2	4.2	6.2	4.2	4.2	4.2	4.2	4.2	2.1	4.2
130°	6.2	6.2	4.2	4.2	4.2	4.2	4.2	4.2	2.1	2.1	2.1
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6	559.6
2.5°	555.4	555.4	557.5	555.4	555.4	551.3	549.2	547.1	547.1	547.1
5°	553.3	553.3	551.3	547.1	545.0	540.9	536.7	534.6	532.5	534.6
7.5°	549.2	545.0	540.9	532.5	526.3	524.2	515.9	513.8	513.8	513.8
10°	540.9	536.7	526.3	515.9	511.7	505.5	499.3	493.0	495.1	497.2
12.5°	538.8	528.4	520.1	509.7	503.4	493.0	490.9	484.7	482.6	482.6
15°	540.9	532.5	522.1	513.8	505.5	501.3	493.0	490.9	484.7	488.9
17.5°	549.2	536.7	528.4	520.1	511.7	507.6	501.3	497.2	499.3	499.3
20°	557.5	545.0	536.7	530.5	522.1	515.9	513.8	509.7	511.7	507.6
22.5°	570.0	557.5	551.3	542.9	536.7	532.5	528.4	530.5	526.3	528.4
25°	586.6	576.2	567.9	561.7	555.4	551.3	551.3	551.3	549.2	551.3
27.5°	609.5	599.1	592.9	588.7	582.5	578.3	574.1	576.2	578.3	576.2
30°	630.3	617.8	615.8	611.6	607.4	605.3	605.3	605.3	605.3	609.5
32.5°	663.6	651.1	647.0	647.0	642.8	640.7	638.6	642.8	644.9	642.8
35°	715.6	699.0	694.8	692.7	690.6	690.6	692.7	692.7	692.7	692.7
37.5°	780.1	757.2	753.0	751.0	751.0	751.0	748.9	751.0	757.2	759.3
40°	809.2	794.7	800.9	811.3	817.5	817.5	815.5	819.6	825.9	825.9
42.5°	655.3	624.1	647.0	688.6	715.6	748.9	755.1	775.9	792.6	792.6
45°	532.5	403.6	411.9	438.9	451.4	480.5	497.2	515.9	526.3	511.7
47.5°	599.1	260.0	214.3	222.6	191.4	230.9	257.9	287.1	293.3	299.6
50°	940.3	268.4	181.0	131.1	87.4	116.5	122.7	139.4	135.2	137.3
52.5°	1142.1	307.9	181.0	116.5	72.8	77.0	70.7	79.0	83.2	91.5
55°	1281.4	370.3	235.1	147.7	85.3	52.0	35.4	27.0	25.0	25.0
57.5°	1348.0	453.5	305.8	210.1	133.1	72.8	31.2	22.9	20.8	18.7
60°	1410.4	542.9	386.9	287.1	210.1	129.0	58.2	22.9	18.7	18.7
62.5°	1466.6	632.4	468.1	372.4	295.4	201.8	108.2	39.5	20.8	20.8
65°	1512.3	651.1	474.3	403.6	318.3	237.1	141.5	47.8	22.9	22.9
67.5°	1524.8	619.9	457.7	370.3	297.5	201.8	110.3	39.5	27.0	25.0
70°	1441.6	588.7	459.7	351.6	268.4	178.9	72.8	45.8	35.4	33.3
72.5°	1304.3	545.0	436.8	341.2	257.9	181.0	85.3	74.9	66.6	62.4
75°	1148.3	493.0	403.6	326.6	249.6	174.7	99.9	93.6	85.3	83.2
77.5°	921.5	409.8	339.1	276.7	210.1	139.4	83.2	79.0	68.6	68.6
80°	605.3	305.8	255.9	212.2	160.2	97.8	62.4	56.2	49.9	47.8
82.5°	247.5	178.9	153.9	133.1	104.0	62.4	41.6	35.4	29.1	27.0
85°	120.7	89.5	77.0	62.4	52.0	35.4	27.0	22.9	16.6	16.6
87.5°	97.8	70.7	58.2	47.8	35.4	25.0	18.7	14.6	10.4	8.3
90°	89.5	62.4	49.9	39.5	29.1	20.8	12.5	10.4	6.2	4.2
92.5°	81.1	54.1	43.7	31.2	22.9	16.6	8.3	6.2	4.2	4.2
95°	66.6	41.6	33.3	25.0	18.7	12.5	8.3	4.2	2.1	2.1
97.5°	47.8	31.2	25.0	18.7	14.6	8.3	6.2	4.2	2.1	2.1
100°	33.3	20.8	18.7	14.6	10.4	6.2	4.2	2.1	2.1	2.1
102.5°	16.6	12.5	12.5	10.4	8.3	6.2	2.1	2.1	0.0	0.0
105°	10.4	8.3	8.3	6.2	4.2	4.2	2.1	2.1	0.0	0.0
107.5°	6.2	6.2	6.2	4.2	4.2	2.1	2.1	0.0	0.0	0.0
110°	6.2	4.2	4.2	4.2	2.1	2.1	2.1	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C016-5TLD-U-T5R-7050-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.2	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0
115°	4.2	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0
117.5°	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
120°	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
122.5°	4.2	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
125°	2.1	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0
127.5°	2.1	2.1	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.1	2.1	2.1	0.0	0.0	0.0	0.0	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
135°	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
140°	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
145°	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
150°	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
155°	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
160°	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
165°	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
170°	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
175°	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
180°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)