

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: P691651

Luminaire Tested: **CRTK2-C018-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691651
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-C018-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K 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: 4478 lumens
Efficiency: N/A
Efficacy: 83.4 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): 53.7
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



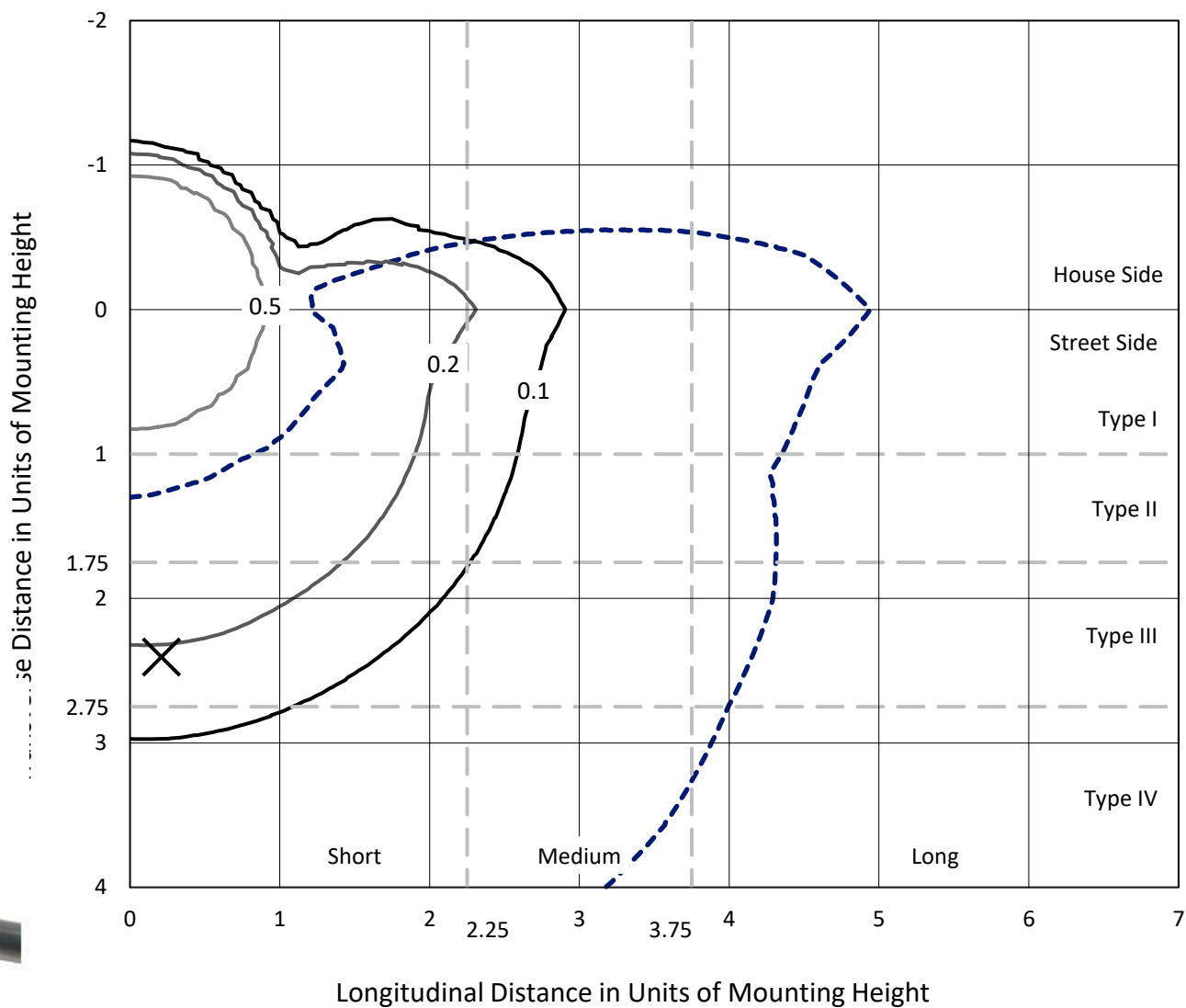
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

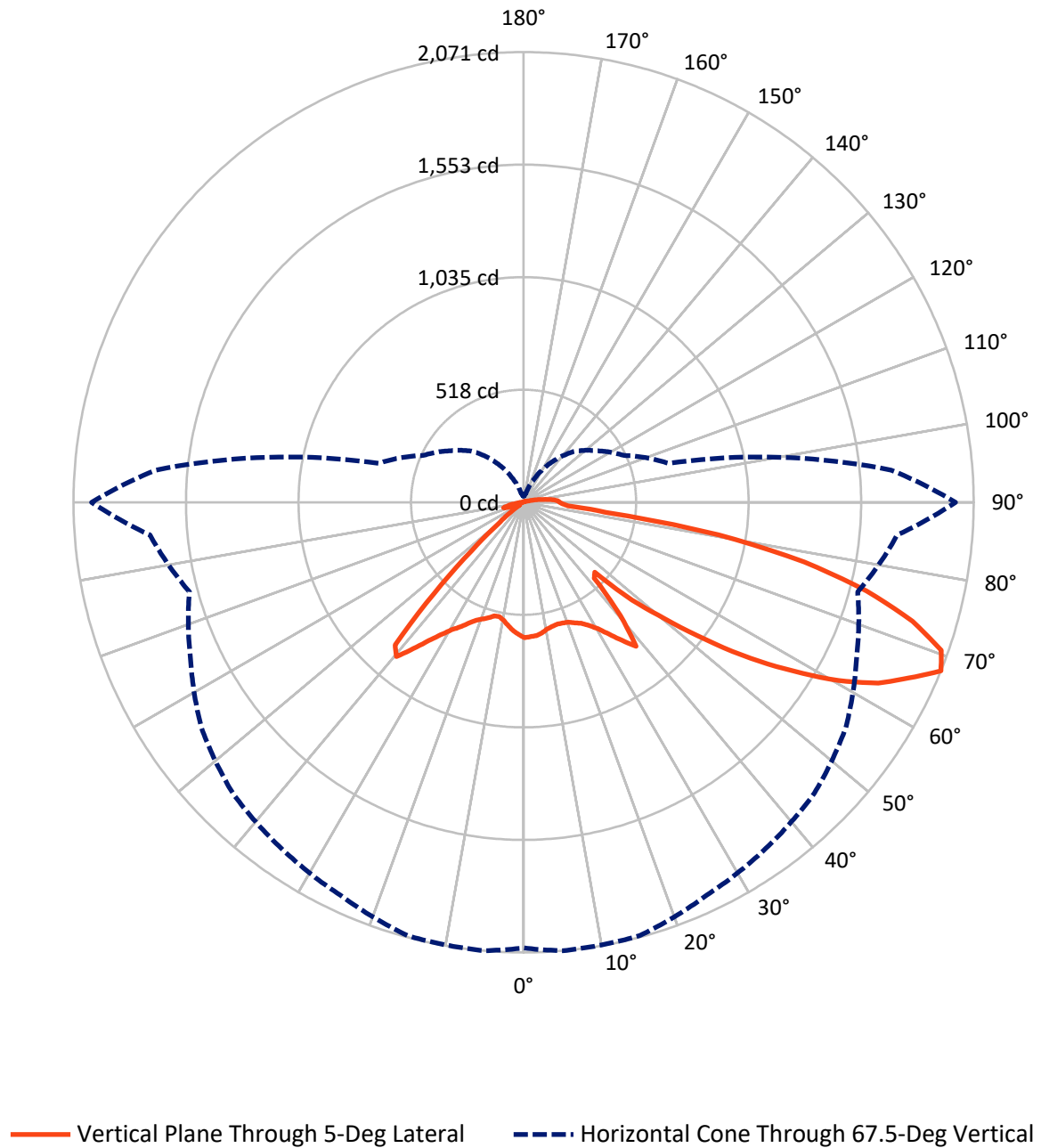


Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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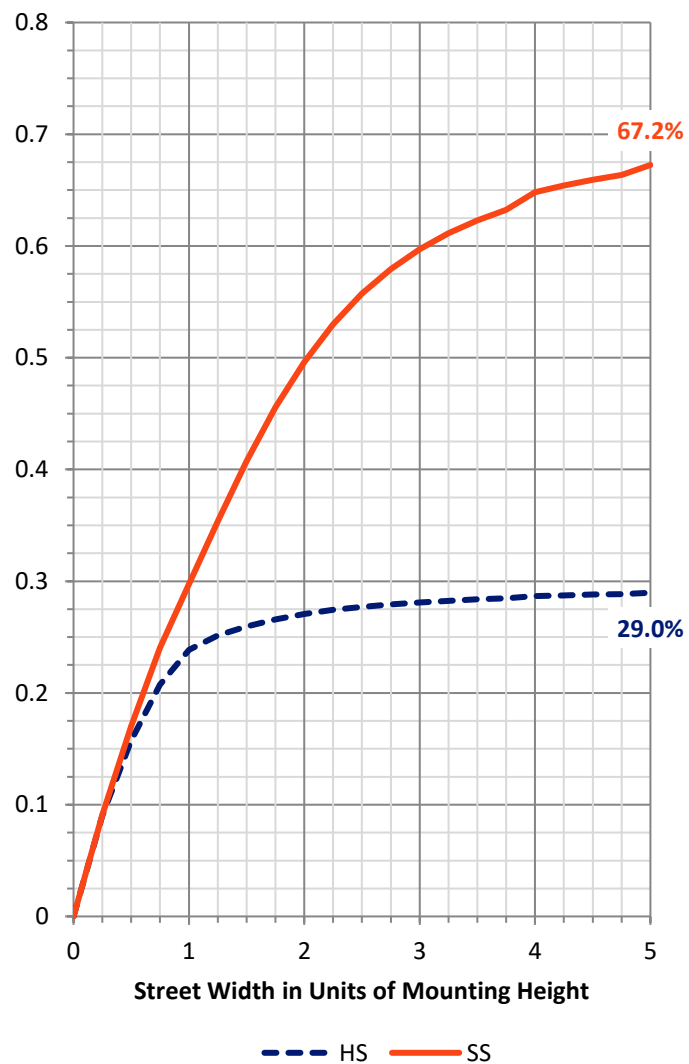
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1312.4	19.7	1332.1
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3068.8	77.1	3145.9
	% Fixture	68.5	1.7	70.3
Total	Lumens	4381.2	96.8	4478.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.5	1.3
10°-20°	166.1	3.7
20°-30°	295.2	6.6
30°-40°	493.6	11.0
40°-50°	450.8	10.1
50°-60°	669.1	14.9
60°-70°	1097.7	24.5
70°-80°	942.1	21.0
80°-90°	209.0	4.7
90°-100°	70.5	1.6
100°-110°	17.4	0.4
110°-120°	5.6	0.1
120°-130°	3.1	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°	4381.2	97.8
0°-180°	4478.0	100.0

Coefficient of Utilization



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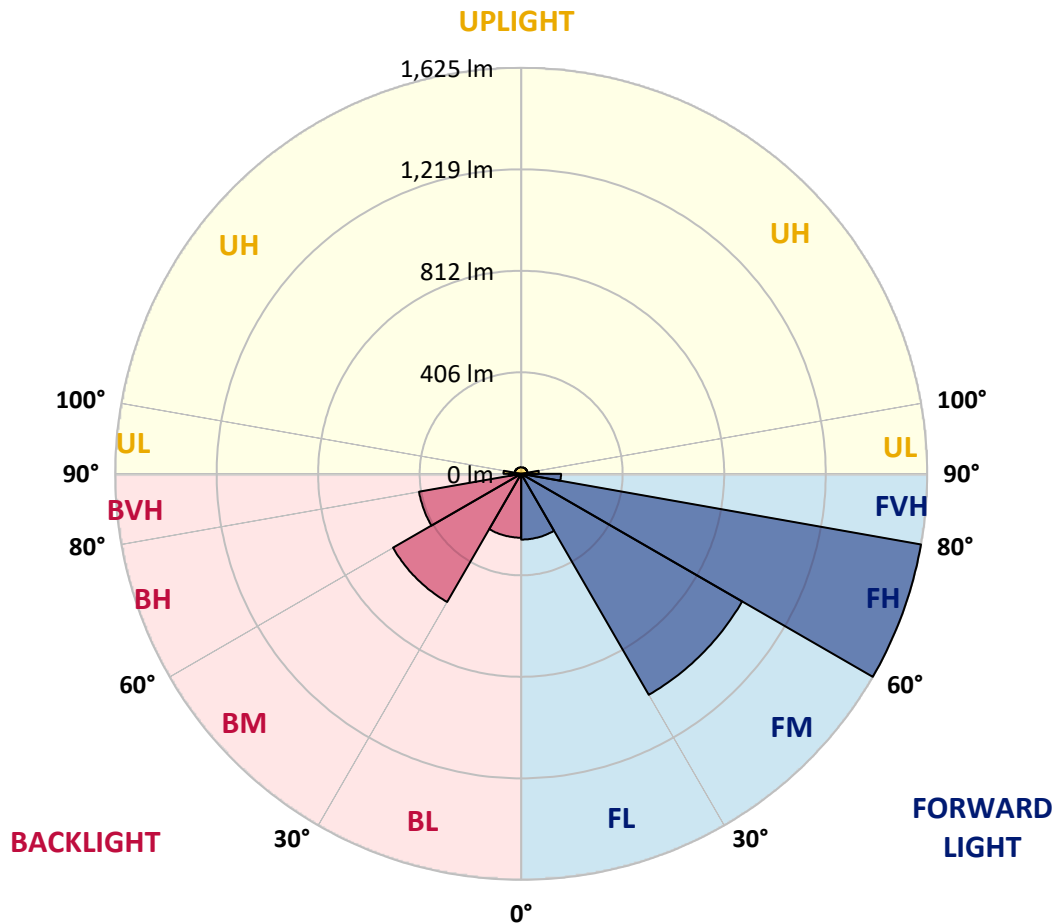
CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.2	5.9			
FM	(30°-60°)	1021.3	22.8			
FH	(60°-80°)	1625.0	36.3			G1/1800
FVH	(80°-90°)	159.3	3.6			G2/225
BL	(0°-30°)	255.7	5.7	B1/500		
BM	(30°-60°)	592.2	13.2	B1/1000		
BH	(60°-80°)	414.8	9.3	B1/500		G1/500
BVH	(80°-90°)	49.6	1.1			G1/100
UL	(90°-100°)	70.5	1.6		U3/500	
UH	(100°-180°)	26.3	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°	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0
2.5°	618.4	618.4	618.4	620.7	623.0	620.7	618.4	616.1	613.8	616.1	616.1
5°	616.1	616.1	618.4	618.4	620.7	623.0	620.7	618.4	616.1	616.1	616.1
7.5°	604.5	606.8	606.8	609.1	611.4	616.1	616.1	611.4	611.4	611.4	611.4
10°	592.9	592.9	595.2	597.6	599.9	604.5	604.5	599.9	602.2	604.5	604.5
12.5°	586.0	586.0	588.3	592.9	595.2	597.6	599.9	599.9	602.2	599.9	602.2
15°	581.3	581.3	581.3	588.3	595.2	597.6	602.2	604.5	606.8	606.8	606.8
17.5°	583.7	583.7	583.7	592.9	597.6	604.5	609.1	611.4	611.4	613.8	613.8
20°	588.3	588.3	590.6	597.6	606.8	613.8	618.4	620.7	620.7	625.3	625.3
22.5°	597.6	602.2	599.9	606.8	613.8	623.0	630.0	634.6	634.6	639.2	639.2
25°	618.4	616.1	618.4	625.3	632.3	639.2	643.9	650.8	653.1	657.8	657.8
27.5°	641.6	641.6	641.6	648.5	653.1	660.1	664.7	669.3	674.0	680.9	683.2
30°	676.3	674.0	671.7	678.6	683.2	690.2	694.8	697.1	697.1	701.8	706.4
32.5°	722.6	722.6	722.6	727.3	729.6	736.5	738.8	741.1	738.8	745.8	748.1
35°	780.5	780.5	782.8	787.5	794.4	799.1	801.4	799.1	801.4	806.0	810.6
37.5°	838.4	840.7	847.7	854.6	859.3	868.5	875.5	875.5	877.8	891.7	891.7
40°	678.6	685.6	692.5	708.7	729.6	757.4	803.7	822.2	875.5	903.3	910.2
42.5°	460.9	477.1	495.6	516.5	532.7	535.0	579.0	604.5	657.8	708.7	722.6
45°	440.1	458.6	477.1	463.2	474.8	437.7	481.7	486.4	511.9	551.2	655.5
47.5°	646.2	671.7	697.1	662.4	669.3	588.3	604.5	586.0	528.1	592.9	766.6
50°	843.1	840.7	877.8	861.6	880.1	792.1	799.1	762.0	671.7	762.0	1009.8
52.5°	1033.0	1051.5	1090.9	1086.2	1100.1	986.7	965.8	933.4	792.1	931.1	1222.9
55°	1253.0	1266.9	1304.0	1292.4	1285.4	1171.9	1134.9	1102.5	965.8	1146.5	1449.9
57.5°	1459.1	1466.1	1510.1	1470.7	1447.6	1361.9	1310.9	1257.6	1123.3	1343.3	1607.4
60°	1656.0	1665.3	1690.7	1637.5	1600.4	1533.2	1470.7	1412.8	1287.7	1519.4	1753.3
62.5°	1841.3	1832.0	1843.6	1776.4	1751.0	1690.7	1623.6	1551.8	1442.9	1658.3	1894.6
65°	1947.8	1947.8	1961.7	1876.0	1836.7	1799.6	1725.5	1642.1	1542.5	1725.5	1982.6
67.5°	2049.7	2070.6	2063.6	1994.2	1943.2	1892.2	1808.9	1690.7	1591.2	1725.5	1987.2
70°	2012.7	2038.2	2010.4	1954.8	1903.8	1843.6	1767.2	1651.4	1540.2	1642.1	1880.7
72.5°	1852.9	1871.4	1859.8	1811.2	1748.6	1709.3	1628.2	1540.2	1410.5	1498.5	1707.0
75°	1635.2	1630.5	1651.4	1595.8	1542.5	1505.5	1426.7	1371.1	1250.7	1315.5	1514.7
77.5°	1317.9	1320.2	1364.2	1301.6	1260.0	1234.5	1162.7	1116.4	1007.5	1065.4	1218.3
80°	884.7	910.2	951.9	884.7	877.8	843.1	782.8	752.7	669.3	697.1	778.2
82.5°	368.3	379.8	393.7	372.9	365.9	354.4	328.9	319.6	287.2	301.1	301.1
85°	206.1	203.8	210.8	210.8	206.1	196.9	187.6	171.4	157.5	155.2	143.6
87.5°	173.7	176.0	180.7	180.7	171.4	164.4	152.9	141.3	129.7	122.8	111.2
90°	162.1	164.4	166.8	159.8	150.5	143.6	134.3	125.1	115.8	111.2	99.6
92.5°	155.2	155.2	155.2	145.9	136.6	129.7	122.8	113.5	106.5	101.9	92.6
95°	129.7	127.4	125.1	120.4	111.2	104.2	99.6	90.3	85.7	81.1	76.4
97.5°	97.3	95.0	92.6	90.3	81.1	76.4	74.1	69.5	64.9	57.9	55.6
100°	69.5	67.2	67.2	64.9	60.2	55.6	53.3	48.6	44.0	39.4	37.1
102.5°	46.3	44.0	44.0	41.7	39.4	37.1	32.4	30.1	25.5	23.2	20.8
105°	25.5	25.5	25.5	23.2	23.2	20.8	18.5	16.2	13.9	13.9	11.6
107.5°	18.5	18.5	18.5	18.5	16.2	16.2	13.9	11.6	11.6	9.3	9.3
110°	13.9	13.9	13.9	13.9	13.9	11.6	11.6	9.3	9.3	6.9	6.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	11.6	11.6	11.6	11.6	11.6	11.6	9.3	9.3	6.9	6.9	6.9
115°	11.6	11.6	11.6	11.6	9.3	9.3	6.9	6.9	6.9	6.9	4.6
117.5°	9.3	9.3	9.3	9.3	9.3	6.9	6.9	6.9	6.9	4.6	6.9
120°	9.3	9.3	9.3	9.3	6.9	6.9	6.9	4.6	4.6	4.6	4.6
122.5°	6.9	6.9	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6
125°	6.9	6.9	6.9	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6
127.5°	6.9	6.9	4.6	6.9	4.6	4.6	4.6	4.6	4.6	2.3	4.6
130°	6.9	6.9	4.6	4.6	4.6	4.6	4.6	4.6	2.3	2.3	2.3
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):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0	623.0
2.5°	618.4	618.4	620.7	618.4	618.4	613.8	611.4	609.1	609.1	609.1
5°	616.1	616.1	613.8	609.1	606.8	602.2	597.6	595.2	592.9	595.2
7.5°	611.4	606.8	602.2	592.9	586.0	583.7	574.4	572.1	572.1	572.1
10°	602.2	597.6	586.0	574.4	569.8	562.8	555.9	548.9	551.2	553.5
12.5°	599.9	588.3	579.0	567.4	560.5	548.9	546.6	539.6	537.3	537.3
15°	602.2	592.9	581.3	572.1	562.8	558.2	548.9	546.6	539.6	544.3
17.5°	611.4	597.6	588.3	579.0	569.8	565.1	558.2	553.5	555.9	555.9
20°	620.7	606.8	597.6	590.6	581.3	574.4	572.1	567.4	569.8	565.1
22.5°	634.6	620.7	613.8	604.5	597.6	592.9	588.3	590.6	586.0	588.3
25°	653.1	641.6	632.3	625.3	618.4	613.8	613.8	613.8	611.4	613.8
27.5°	678.6	667.0	660.1	655.5	648.5	643.9	639.2	641.6	643.9	641.6
30°	701.8	687.9	685.6	680.9	676.3	674.0	674.0	674.0	674.0	678.6
32.5°	738.8	724.9	720.3	720.3	715.7	713.4	711.0	715.7	718.0	715.7
35°	796.7	778.2	773.6	771.3	768.9	768.9	771.3	771.3	771.3	771.3
37.5°	868.5	843.1	838.4	836.1	836.1	836.1	833.8	836.1	843.1	845.4
40°	901.0	884.7	891.7	903.3	910.2	910.2	907.9	912.5	919.5	919.5
42.5°	729.6	694.8	720.3	766.6	796.7	833.8	840.7	863.9	882.4	882.4
45°	592.9	449.3	458.6	488.7	502.6	535.0	553.5	574.4	586.0	569.8
47.5°	667.0	289.5	238.6	247.8	213.1	257.1	287.2	319.6	326.6	333.5
50°	1046.9	298.8	201.5	145.9	97.3	129.7	136.6	155.2	150.5	152.9
52.5°	1271.5	342.8	201.5	129.7	81.1	85.7	78.7	88.0	92.6	101.9
55°	1426.7	412.3	261.7	164.4	95.0	57.9	39.4	30.1	27.8	27.8
57.5°	1500.8	504.9	340.5	233.9	148.2	81.1	34.7	25.5	23.2	20.8
60°	1570.3	604.5	430.8	319.6	233.9	143.6	64.9	25.5	20.8	20.8
62.5°	1632.8	704.1	521.1	414.6	328.9	224.7	120.4	44.0	23.2	23.2
65°	1683.8	724.9	528.1	449.3	354.4	264.0	157.5	53.3	25.5	25.5
67.5°	1697.7	690.2	509.5	412.3	331.2	224.7	122.8	44.0	30.1	27.8
70°	1605.0	655.5	511.9	391.4	298.8	199.2	81.1	51.0	39.4	37.1
72.5°	1452.2	606.8	486.4	379.8	287.2	201.5	95.0	83.4	74.1	69.5
75°	1278.5	548.9	449.3	363.6	277.9	194.6	111.2	104.2	95.0	92.6
77.5°	1026.0	456.3	377.5	308.0	233.9	155.2	92.6	88.0	76.4	76.4
80°	674.0	340.5	284.9	236.2	178.3	108.9	69.5	62.5	55.6	53.3
82.5°	275.6	199.2	171.4	148.2	115.8	69.5	46.3	39.4	32.4	30.1
85°	134.3	99.6	85.7	69.5	57.9	39.4	30.1	25.5	18.5	18.5
87.5°	108.9	78.7	64.9	53.3	39.4	27.8	20.8	16.2	11.6	9.3
90°	99.6	69.5	55.6	44.0	32.4	23.2	13.9	11.6	6.9	4.6
92.5°	90.3	60.2	48.6	34.7	25.5	18.5	9.3	6.9	4.6	4.6
95°	74.1	46.3	37.1	27.8	20.8	13.9	9.3	4.6	2.3	2.3
97.5°	53.3	34.7	27.8	20.8	16.2	9.3	6.9	4.6	2.3	2.3
100°	37.1	23.2	20.8	16.2	11.6	6.9	4.6	2.3	2.3	2.3
102.5°	18.5	13.9	13.9	11.6	9.3	6.9	2.3	2.3	0.0	0.0
105°	11.6	9.3	9.3	6.9	4.6	4.6	2.3	2.3	0.0	0.0
107.5°	6.9	6.9	6.9	4.6	4.6	2.3	2.3	0.0	0.0	0.0
110°	6.9	4.6	4.6	4.6	2.3	2.3	2.3	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C018-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	4.6	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0
115°	4.6	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0
117.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
120°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
122.5°	4.6	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
125°	2.3	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0
127.5°	2.3	2.3	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.3	2.3	2.3	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)