

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: P691835

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691835
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-C01H-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: 5676 lumens
Efficiency: N/A
Efficacy: 75.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type IV - Short
BUG Rating: B2 - U3 - G2

Input Watts (W): 74.9
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

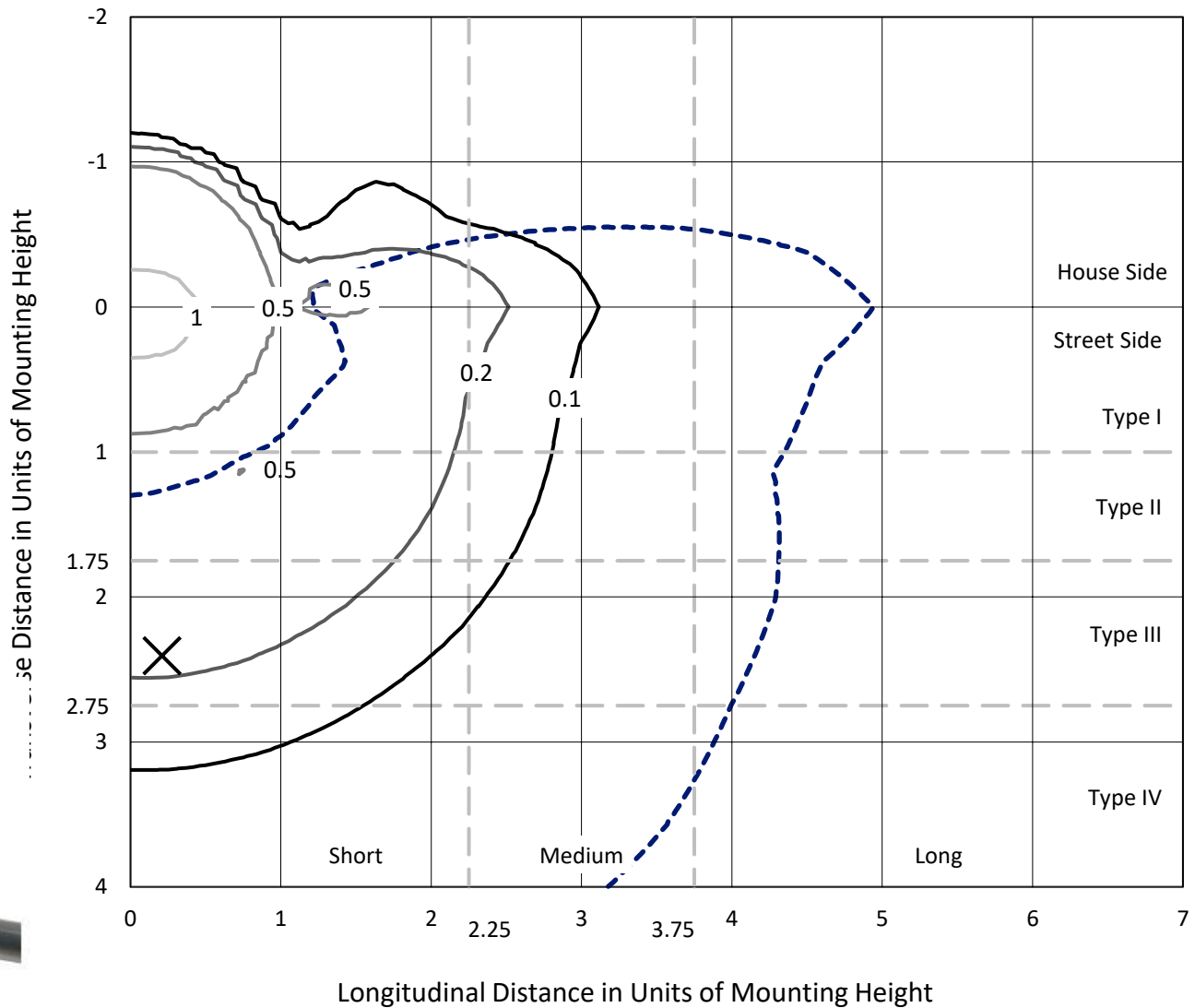


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

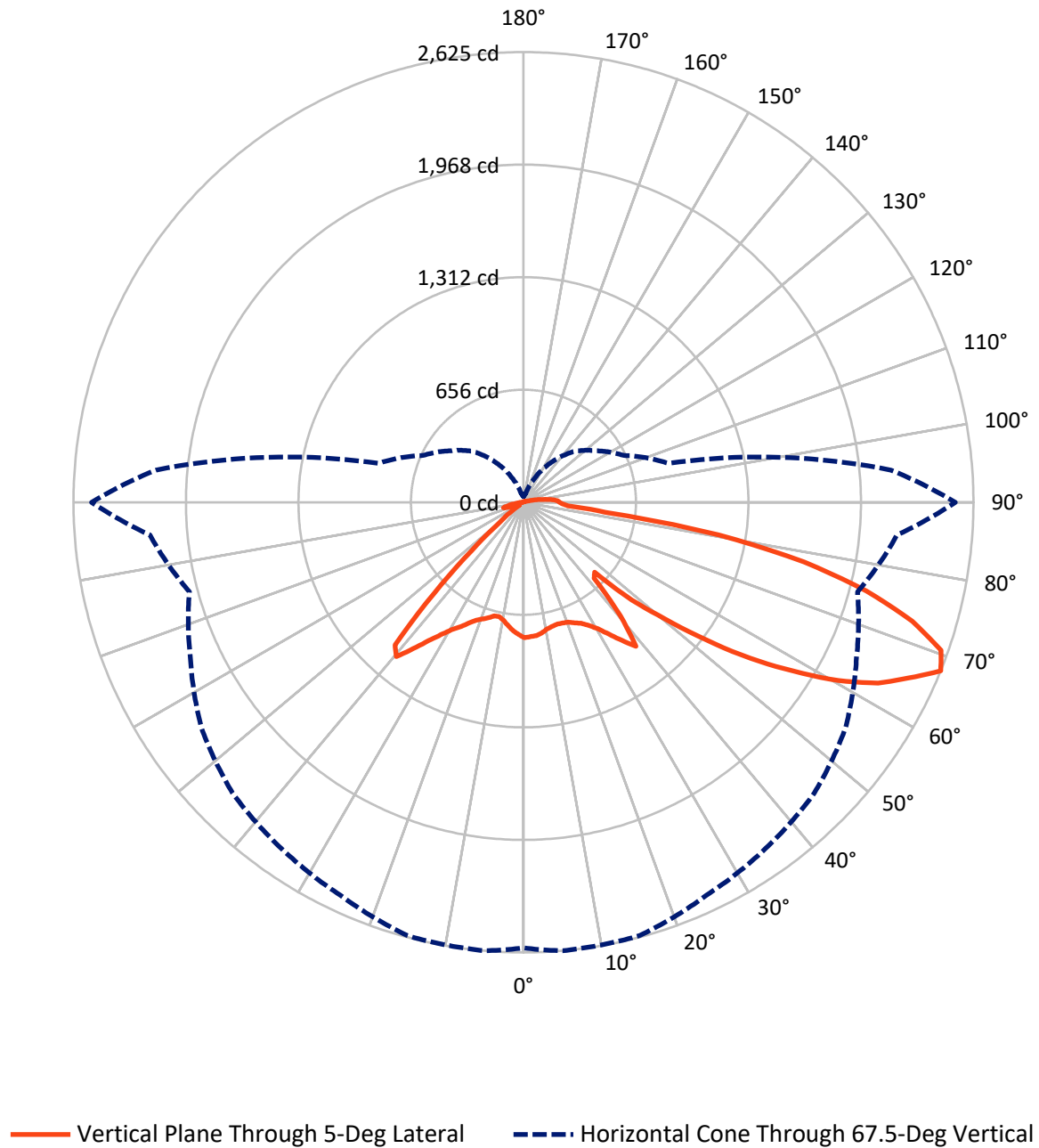


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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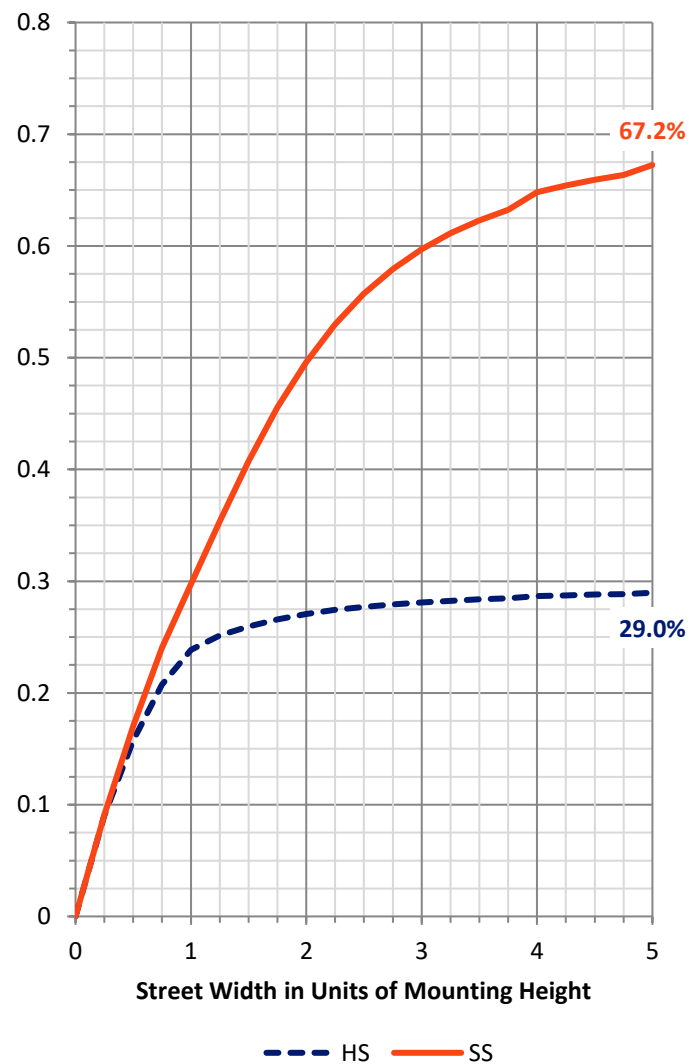
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1663.5	25.0	1688.5
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	3889.8	97.7	3987.5
	% Fixture	68.5	1.7	70.3
Total	Lumens	5553.2	122.7	5676.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.9	1.3
10°-20°	210.6	3.7
20°-30°	374.1	6.6
30°-40°	625.7	11.0
40°-50°	571.4	10.1
50°-60°	848.1	14.9
60°-70°	1391.4	24.5
70°-80°	1194.1	21.0
80°-90°	264.9	4.7
90°-100°	89.4	1.6
100°-110°	22.0	0.4
110°-120°	7.0	0.1
120°-130°	3.9	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°	5553.2	97.8
0°-180°	5676.0	100.0

Coefficient of Utilization



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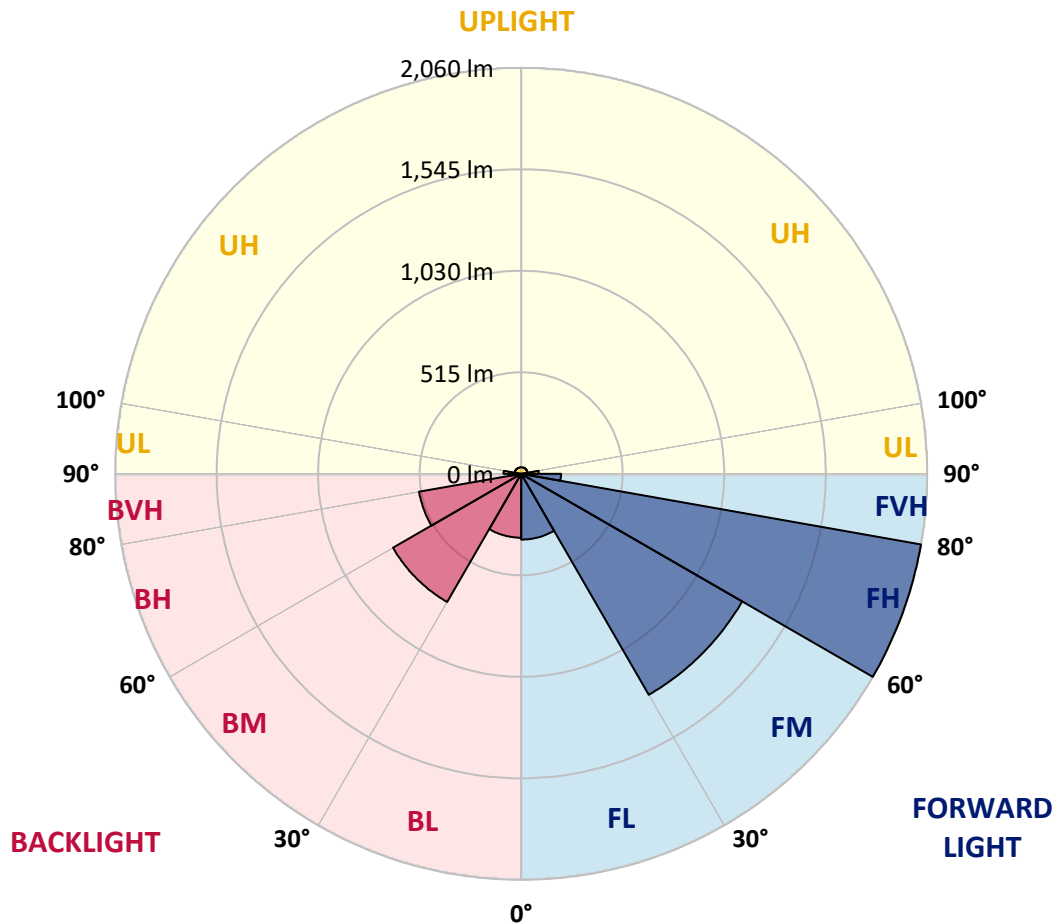
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	333.6	5.9			
FM	(30°-60°)	1294.5	22.8			
FH	(60°-80°)	2059.7	36.3			G2/5000
FVH	(80°-90°)	201.9	3.6			G2/225
BL	(0°-30°)	324.1	5.7	B1/500		
BM	(30°-60°)	750.7	13.2	B1/1000		
BH	(60°-80°)	525.8	9.3	B2/1000		G2/1000
BVH	(80°-90°)	62.9	1.1			G1/100
UL	(90°-100°)	89.4	1.6		U3/500	
UH	(100°-180°)	33.3	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7
2.5°	783.8	783.8	783.8	786.8	789.7	786.8	783.8	780.9	778.0	780.9	780.9
5°	780.9	780.9	783.8	783.8	786.8	789.7	786.8	783.8	780.9	780.9	780.9
7.5°	766.2	769.2	769.2	772.1	775.0	780.9	780.9	775.0	775.0	775.0	775.0
10°	751.5	751.5	754.5	757.4	760.3	766.2	766.2	760.3	763.3	766.2	766.2
12.5°	742.7	742.7	745.7	751.5	754.5	757.4	760.3	760.3	763.3	760.3	763.3
15°	736.9	736.9	736.9	745.7	754.5	757.4	763.3	766.2	769.2	769.2	769.2
17.5°	739.8	739.8	739.8	751.5	757.4	766.2	772.1	775.0	775.0	778.0	778.0
20°	745.7	745.7	748.6	757.4	769.2	778.0	783.8	786.8	786.8	792.6	792.6
22.5°	757.4	763.3	760.3	769.2	778.0	789.7	798.5	804.4	804.4	810.3	810.3
25°	783.8	780.9	783.8	792.6	801.4	810.3	816.1	824.9	827.9	833.7	833.7
27.5°	813.2	813.2	813.2	822.0	827.9	836.7	842.5	848.4	854.3	863.1	866.0
30°	857.2	854.3	851.4	860.2	866.0	874.8	880.7	883.6	883.6	889.5	895.4
32.5°	915.9	915.9	915.9	921.8	924.7	933.6	936.5	939.4	936.5	945.3	948.2
35°	989.3	989.3	992.3	998.1	1006.9	1012.8	1015.8	1012.8	1015.8	1021.6	1027.5
37.5°	1062.7	1065.7	1074.5	1083.3	1089.1	1100.9	1109.7	1109.7	1112.6	1130.2	1130.2
40°	860.2	869.0	877.8	898.3	924.7	960.0	1018.7	1042.2	1109.7	1144.9	1153.7
42.5°	584.2	604.8	628.2	654.7	675.2	678.1	733.9	766.2	833.7	898.3	915.9
45°	557.8	581.3	604.8	587.1	601.8	554.8	610.6	616.5	648.8	698.7	830.8
47.5°	819.1	851.4	883.6	839.6	848.4	745.7	766.2	742.7	669.3	751.5	971.7
50°	1068.6	1065.7	1112.6	1092.1	1115.6	1004.0	1012.8	965.8	851.4	965.8	1280.0
52.5°	1309.3	1332.8	1382.7	1376.8	1394.5	1250.6	1224.2	1183.1	1004.0	1180.2	1550.1
55°	1588.2	1605.8	1652.8	1638.1	1629.3	1485.5	1438.5	1397.4	1224.2	1453.2	1837.8
57.5°	1849.5	1858.3	1914.1	1864.2	1834.8	1726.2	1661.6	1594.1	1423.8	1702.7	2037.4
60°	2099.0	2110.8	2143.1	2075.5	2028.6	1943.4	1864.2	1790.8	1632.3	1925.8	2222.3
62.5°	2333.9	2322.1	2336.8	2251.7	2219.4	2143.1	2057.9	1966.9	1828.9	2102.0	2401.4
65°	2468.9	2468.9	2486.5	2377.9	2328.0	2281.0	2187.1	2081.4	1955.2	2187.1	2513.0
67.5°	2598.1	2624.5	2615.7	2527.6	2463.1	2398.5	2292.8	2143.1	2016.8	2187.1	2518.8
70°	2551.1	2583.4	2548.2	2477.7	2413.2	2336.8	2239.9	2093.2	1952.2	2081.4	2383.8
72.5°	2348.6	2372.1	2357.4	2295.7	2216.5	2166.6	2063.8	1952.2	1787.8	1899.4	2163.6
75°	2072.6	2066.7	2093.2	2022.7	1955.2	1908.2	1808.4	1737.9	1585.3	1667.5	1920.0
77.5°	1670.4	1673.4	1729.1	1649.9	1597.0	1564.7	1473.7	1415.0	1277.0	1350.4	1544.2
80°	1121.4	1153.7	1206.6	1121.4	1112.6	1068.6	992.3	954.1	848.4	883.6	986.4
82.5°	466.8	481.5	499.1	472.6	463.8	449.2	416.9	405.1	364.0	381.6	381.6
85°	261.3	258.3	267.1	267.1	261.3	249.5	237.8	217.2	199.6	196.7	182.0
87.5°	220.2	223.1	229.0	229.0	217.2	208.4	193.8	179.1	164.4	155.6	140.9
90°	205.5	208.4	211.4	202.6	190.8	182.0	170.3	158.5	146.8	140.9	126.2
92.5°	196.7	196.7	196.7	184.9	173.2	164.4	155.6	143.8	135.0	129.2	117.4
95°	164.4	161.5	158.5	152.7	140.9	132.1	126.2	114.5	108.6	102.7	96.9
97.5°	123.3	120.4	117.4	114.5	102.7	96.9	93.9	88.1	82.2	73.4	70.5
100°	88.1	85.1	85.1	82.2	76.3	70.5	67.5	61.6	55.8	49.9	47.0
102.5°	58.7	55.8	55.8	52.8	49.9	47.0	41.1	38.2	32.3	29.4	26.4
105°	32.3	32.3	32.3	29.4	29.4	26.4	23.5	20.5	17.6	17.6	14.7
107.5°	23.5	23.5	23.5	23.5	20.5	20.5	17.6	14.7	14.7	11.7	11.7
110°	17.6	17.6	17.6	17.6	17.6	14.7	14.7	11.7	11.7	8.8	8.8

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	14.7	14.7	14.7	14.7	14.7	14.7	11.7	11.7	8.8	8.8	8.8
115°	14.7	14.7	14.7	14.7	11.7	11.7	8.8	8.8	8.8	8.8	5.9
117.5°	11.7	11.7	11.7	11.7	11.7	8.8	8.8	8.8	8.8	5.9	8.8
120°	11.7	11.7	11.7	11.7	8.8	8.8	8.8	5.9	5.9	5.9	5.9
122.5°	8.8	8.8	8.8	8.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9
125°	8.8	8.8	8.8	8.8	8.8	5.9	5.9	5.9	5.9	5.9	5.9
127.5°	8.8	8.8	5.9	8.8	5.9	5.9	5.9	5.9	5.9	2.9	5.9
130°	8.8	8.8	5.9	5.9	5.9	5.9	5.9	5.9	2.9	2.9	2.9
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°	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7	789.7
2.5°	783.8	783.8	786.8	783.8	783.8	778.0	775.0	772.1	772.1	772.1
5°	780.9	780.9	778.0	772.1	769.2	763.3	757.4	754.5	751.5	754.5
7.5°	775.0	769.2	763.3	751.5	742.7	739.8	728.1	725.1	725.1	725.1
10°	763.3	757.4	742.7	728.1	722.2	713.4	704.6	695.8	698.7	701.6
12.5°	760.3	745.7	733.9	719.2	710.4	695.8	692.8	684.0	681.1	681.1
15°	763.3	751.5	736.9	725.1	713.4	707.5	695.8	692.8	684.0	689.9
17.5°	775.0	757.4	745.7	733.9	722.2	716.3	707.5	701.6	704.6	704.6
20°	786.8	769.2	757.4	748.6	736.9	728.1	725.1	719.2	722.2	716.3
22.5°	804.4	786.8	778.0	766.2	757.4	751.5	745.7	748.6	742.7	745.7
25°	827.9	813.2	801.4	792.6	783.8	778.0	778.0	778.0	775.0	778.0
27.5°	860.2	845.5	836.7	830.8	822.0	816.1	810.3	813.2	816.1	813.2
30°	889.5	871.9	869.0	863.1	857.2	854.3	854.3	854.3	854.3	860.2
32.5°	936.5	918.9	913.0	913.0	907.1	904.2	901.3	907.1	910.1	907.1
35°	1009.9	986.4	980.5	977.6	974.7	974.7	977.6	977.6	977.6	977.6
37.5°	1100.9	1068.6	1062.7	1059.8	1059.8	1059.8	1056.9	1059.8	1068.6	1071.5
40°	1142.0	1121.4	1130.2	1144.9	1153.7	1153.7	1150.8	1156.7	1165.5	1165.5
42.5°	924.7	880.7	913.0	971.7	1009.9	1056.9	1065.7	1095.0	1118.5	1118.5
45°	751.5	569.5	581.3	619.4	637.0	678.1	701.6	728.1	742.7	722.2
47.5°	845.5	367.0	302.4	314.1	270.1	325.9	364.0	405.1	413.9	422.7
50°	1326.9	378.7	255.4	184.9	123.3	164.4	173.2	196.7	190.8	193.8
52.5°	1611.7	434.5	255.4	164.4	102.7	108.6	99.8	111.6	117.4	129.2
55°	1808.4	522.6	331.7	208.4	120.4	73.4	49.9	38.2	35.2	35.2
57.5°	1902.3	640.0	431.5	296.5	187.9	102.7	44.0	32.3	29.4	26.4
60°	1990.4	766.2	546.0	405.1	296.5	182.0	82.2	32.3	26.4	26.4
62.5°	2069.7	892.5	660.5	525.5	416.9	284.8	152.7	55.8	29.4	29.4
65°	2134.3	918.9	669.3	569.5	449.2	334.7	199.6	67.5	32.3	32.3
67.5°	2151.9	874.8	645.9	522.6	419.8	284.8	155.6	55.8	38.2	35.2
70°	2034.4	830.8	648.8	496.1	378.7	252.5	102.7	64.6	49.9	47.0
72.5°	1840.7	769.2	616.5	481.5	364.0	255.4	120.4	105.7	93.9	88.1
75°	1620.5	695.8	569.5	460.9	352.3	246.6	140.9	132.1	120.4	117.4
77.5°	1300.5	578.3	478.5	390.4	296.5	196.7	117.4	111.6	96.9	96.9
80°	854.3	431.5	361.1	299.4	226.0	138.0	88.1	79.3	70.5	67.5
82.5°	349.3	252.5	217.2	187.9	146.8	88.1	58.7	49.9	41.1	38.2
85°	170.3	126.2	108.6	88.1	73.4	49.9	38.2	32.3	23.5	23.5
87.5°	138.0	99.8	82.2	67.5	49.9	35.2	26.4	20.5	14.7	11.7
90°	126.2	88.1	70.5	55.8	41.1	29.4	17.6	14.7	8.8	5.9
92.5°	114.5	76.3	61.6	44.0	32.3	23.5	11.7	8.8	5.9	5.9
95°	93.9	58.7	47.0	35.2	26.4	17.6	11.7	5.9	2.9	2.9
97.5°	67.5	44.0	35.2	26.4	20.5	11.7	8.8	5.9	2.9	2.9
100°	47.0	29.4	26.4	20.5	14.7	8.8	5.9	2.9	2.9	2.9
102.5°	23.5	17.6	17.6	14.7	11.7	8.8	2.9	2.9	0.0	0.0
105°	14.7	11.7	11.7	8.8	5.9	5.9	2.9	2.9	0.0	0.0
107.5°	8.8	8.8	8.8	5.9	5.9	2.9	2.9	0.0	0.0	0.0
110°	8.8	5.9	5.9	5.9	2.9	2.9	2.9	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-8027-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	5.9	5.9	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0
115°	5.9	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0
117.5°	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
120°	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	5.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
125°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	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)