

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: P691814

Luminaire Tested: **CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691814
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-7030-SR-CARETAKER-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K 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: 6277 lumens
Efficiency: N/A
Efficacy: 83.8 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



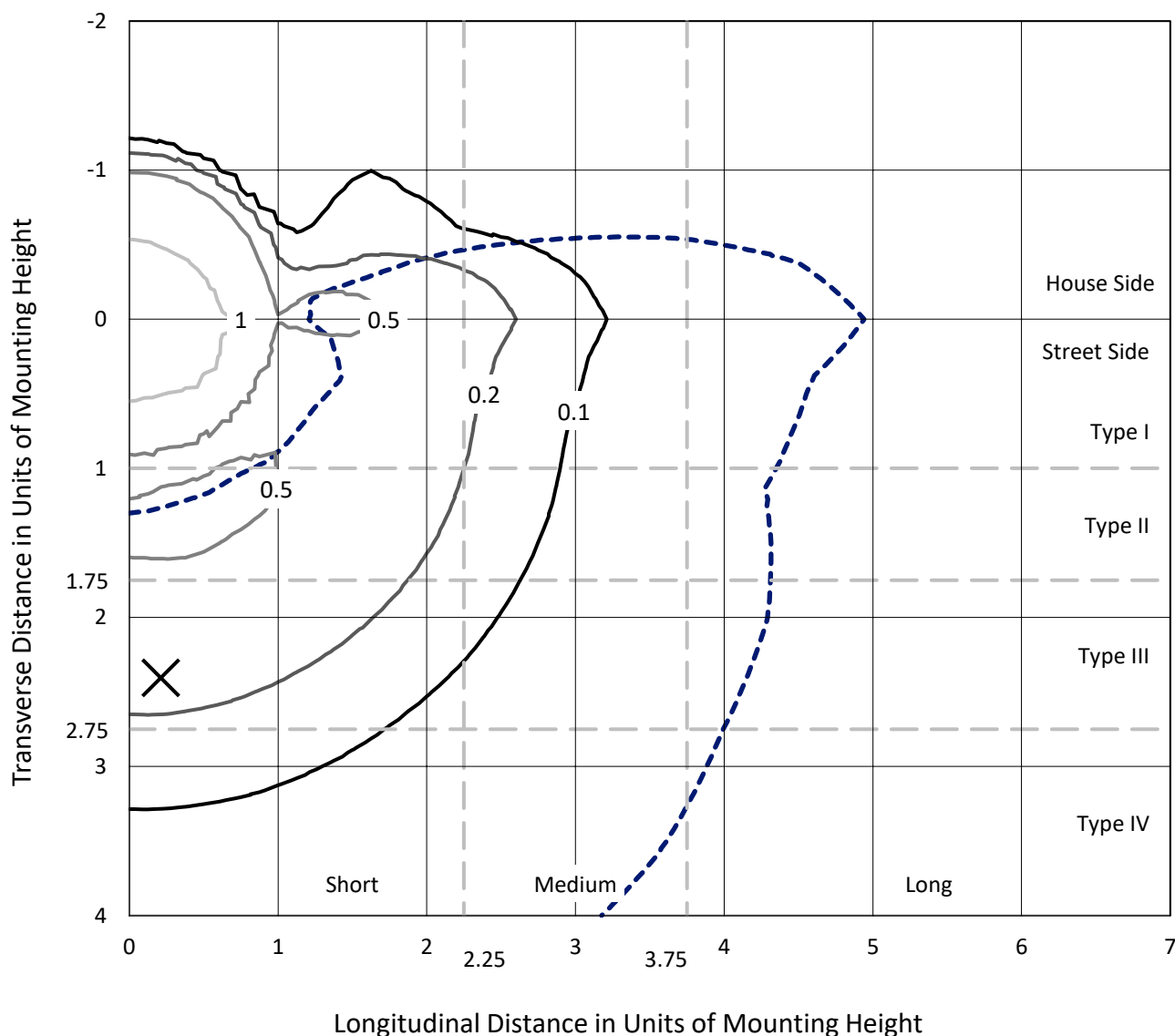
REPORT NUMBER: P691814

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



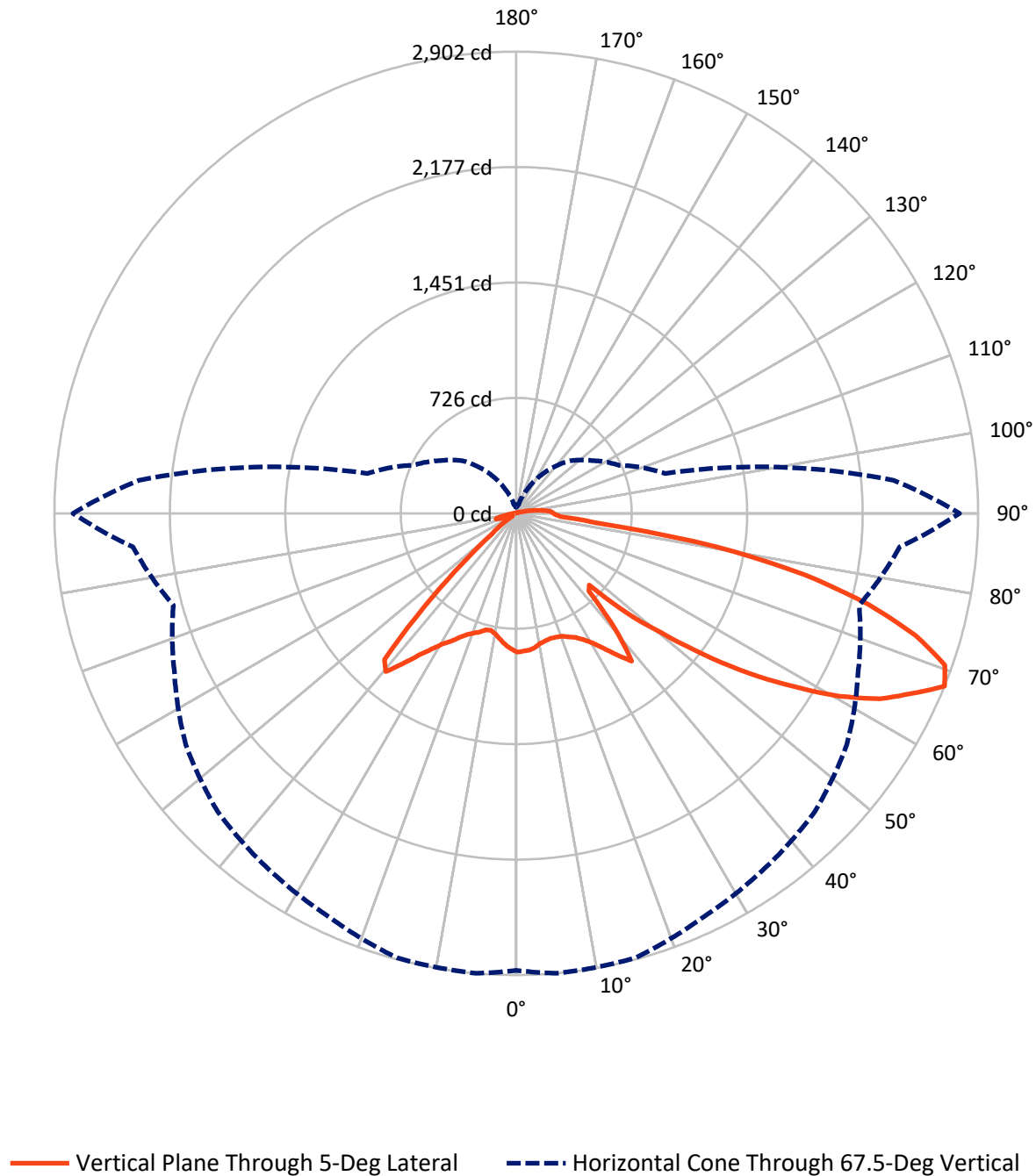
Based on 25 foot mounting height. Maximum calculated value = 1.4 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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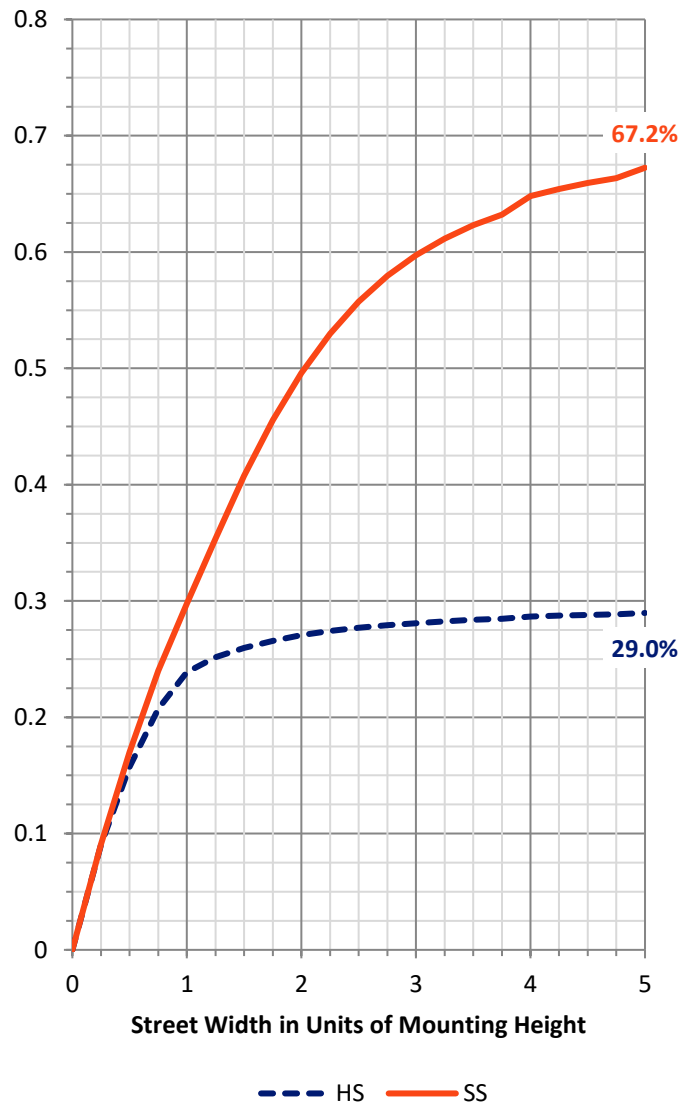
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1839.6	27.6	1867.2
	% Fixture	29.3	0.4	29.7
Street Side	Lumens	4301.7	108.1	4409.7
	% Fixture	68.5	1.7	70.3
Total	Lumens	6141.3	135.7	6277.0
	% Fixture	97.8	2.2	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.7	1.3
10°-20°	232.9	3.7
20°-30°	413.8	6.6
30°-40°	691.9	11.0
40°-50°	631.9	10.1
50°-60°	937.9	14.9
60°-70°	1538.7	24.5
70°-80°	1320.6	21.0
80°-90°	292.9	4.7
90°-100°	98.8	1.6
100°-110°	24.4	0.4
110°-120°	7.8	0.1
120°-130°	4.3	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°	6141.3	97.8
0°-180°	6277.0	100.0

Coefficient of Utilization



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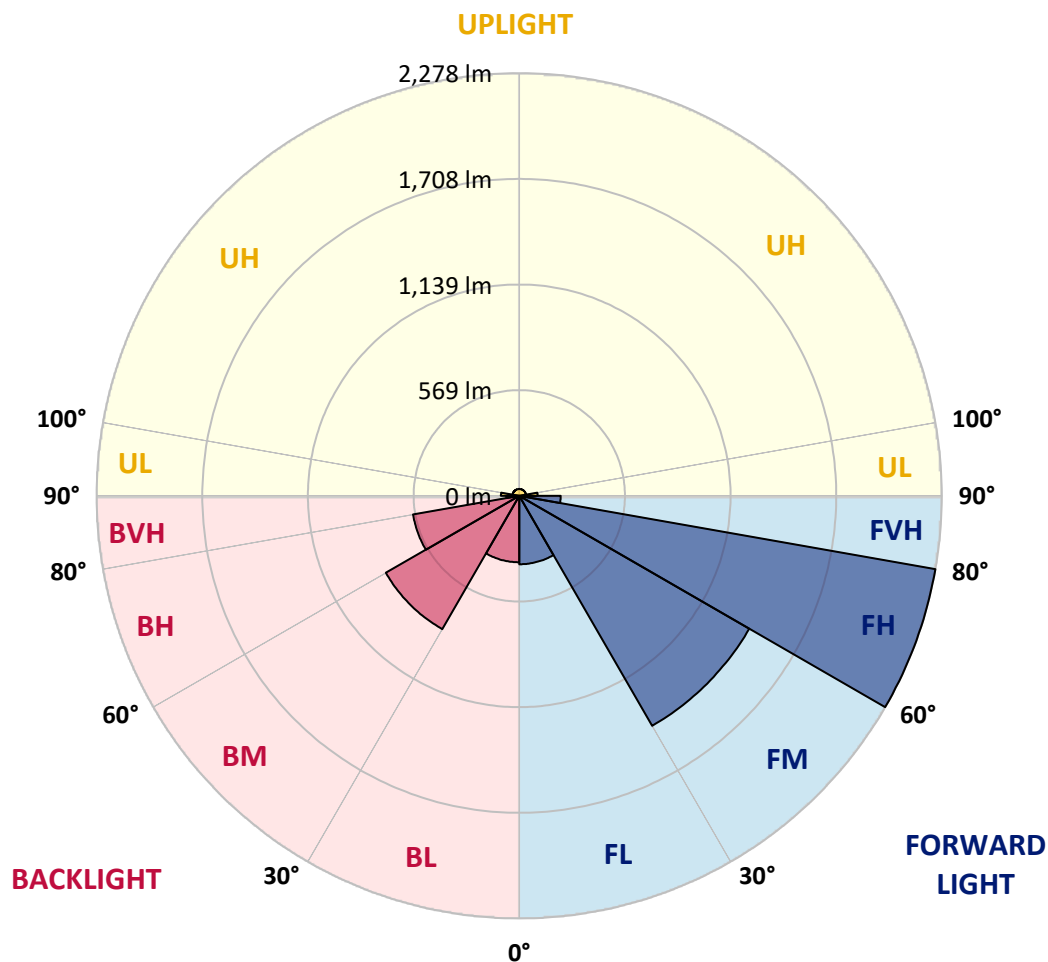
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.9	5.9			
FM	(30°-60°)	1431.6	22.8			
FH	(60°-80°)	2277.8	36.3			G2/5000
FVH	(80°-90°)	223.3	3.6			G2/225
BL	(0°-30°)	358.4	5.7	B1/500		
BM	(30°-60°)	830.2	13.2	B1/1000		
BH	(60°-80°)	581.5	9.3	B2/1000		G2/1000
BVH	(80°-90°)	69.6	1.1			G1/100
UL	(90°-100°)	98.8	1.6		U3/500	
UH	(100°-180°)	36.8	0.6		U2/50	

BUG Rating: B2-U3-G2

Type IV Short



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	866.8	866.8	866.8	870.1	873.3	870.1	866.8	863.6	860.3	863.6	863.6
5°	863.6	863.6	866.8	866.8	870.1	873.3	870.1	866.8	863.6	863.6	863.6
7.5°	847.4	850.6	850.6	853.8	857.1	863.6	863.6	857.1	857.1	857.1	857.1
10°	831.1	831.1	834.4	837.6	840.9	847.4	847.4	840.9	844.1	847.4	847.4
12.5°	821.4	821.4	824.6	831.1	834.4	837.6	840.9	840.9	844.1	840.9	844.1
15°	814.9	814.9	814.9	824.6	834.4	837.6	844.1	847.4	850.6	850.6	850.6
17.5°	818.1	818.1	818.1	831.1	837.6	847.4	853.8	857.1	857.1	860.3	860.3
20°	824.6	824.6	827.9	837.6	850.6	860.3	866.8	870.1	870.1	876.6	876.6
22.5°	837.6	844.1	840.9	850.6	860.3	873.3	883.1	889.6	889.6	896.0	896.0
25°	866.8	863.6	866.8	876.6	886.3	896.0	902.5	912.3	915.5	922.0	922.0
27.5°	899.3	899.3	899.3	909.0	915.5	925.3	931.8	938.3	944.7	954.5	957.7
30°	948.0	944.7	941.5	951.2	957.7	967.5	974.0	977.2	977.2	983.7	990.2
32.5°	1012.9	1012.9	1012.9	1019.4	1022.7	1032.4	1035.7	1038.9	1035.7	1045.4	1048.6
35°	1094.1	1094.1	1097.3	1103.8	1113.6	1120.1	1123.3	1120.1	1123.3	1129.8	1136.3
37.5°	1175.3	1178.5	1188.2	1198.0	1204.5	1217.5	1227.2	1227.2	1230.4	1249.9	1249.9
40°	951.2	961.0	970.7	993.4	1022.7	1061.6	1126.6	1152.5	1227.2	1266.2	1275.9
42.5°	646.1	668.8	694.8	724.0	746.7	750.0	811.6	847.4	922.0	993.4	1012.9
45°	616.8	642.8	668.8	649.3	665.5	613.6	675.3	681.8	717.5	772.7	918.8
47.5°	905.8	941.5	977.2	928.5	938.3	824.6	847.4	821.4	740.2	831.1	1074.6
50°	1181.7	1178.5	1230.4	1207.7	1233.7	1110.3	1120.1	1068.1	941.5	1068.1	1415.5
52.5°	1448.0	1473.9	1529.1	1522.6	1542.1	1383.0	1353.8	1308.4	1110.3	1305.1	1714.2
55°	1756.4	1775.9	1827.8	1811.6	1801.8	1642.8	1590.8	1545.4	1353.8	1607.0	2032.3
57.5°	2045.3	2055.1	2116.8	2061.6	2029.1	1909.0	1837.6	1762.9	1574.6	1883.0	2253.1
60°	2321.3	2334.3	2370.0	2295.3	2243.4	2149.2	2061.6	1980.4	1805.1	2129.7	2457.6
62.5°	2581.0	2568.0	2584.3	2490.1	2454.4	2370.0	2275.8	2175.2	2022.6	2324.5	2655.7
65°	2730.4	2730.4	2749.8	2629.7	2574.5	2522.6	2418.7	2301.8	2162.2	2418.7	2779.1
67.5°	2873.2	2902.4	2892.7	2795.3	2723.9	2652.4	2535.6	2370.0	2230.4	2418.7	2785.5
70°	2821.3	2857.0	2818.0	2740.1	2668.7	2584.3	2477.1	2314.8	2159.0	2301.8	2636.2
72.5°	2597.2	2623.2	2607.0	2538.8	2451.1	2396.0	2282.3	2159.0	1977.2	2100.5	2392.7
75°	2292.1	2285.6	2314.8	2236.9	2162.2	2110.3	1999.9	1922.0	1753.1	1844.0	2123.2
77.5°	1847.3	1850.5	1912.2	1824.6	1766.1	1730.4	1629.8	1564.8	1412.3	1493.4	1707.7
80°	1240.2	1275.9	1334.3	1240.2	1230.4	1181.7	1097.3	1055.1	938.3	977.2	1090.8
82.5°	516.2	532.4	551.9	522.7	513.0	496.7	461.0	448.0	402.6	422.1	422.1
85°	288.9	285.7	295.4	295.4	288.9	276.0	263.0	240.2	220.8	217.5	201.3
87.5°	243.5	246.7	253.2	253.2	240.2	230.5	214.3	198.0	181.8	172.1	155.8
90°	227.3	230.5	233.8	224.0	211.0	201.3	188.3	175.3	162.3	155.8	139.6
92.5°	217.5	217.5	217.5	204.5	191.5	181.8	172.1	159.1	149.3	142.8	129.9
95°	181.8	178.6	175.3	168.8	155.8	146.1	139.6	126.6	120.1	113.6	107.1
97.5°	136.4	133.1	129.9	126.6	113.6	107.1	103.9	97.4	90.9	81.2	77.9
100°	97.4	94.2	94.2	90.9	84.4	77.9	74.7	68.2	61.7	55.2	51.9
102.5°	64.9	61.7	61.7	58.4	55.2	51.9	45.5	42.2	35.7	32.5	29.2
105°	35.7	35.7	35.7	32.5	32.5	29.2	26.0	22.7	19.5	19.5	16.2
107.5°	26.0	26.0	26.0	26.0	22.7	22.7	19.5	16.2	16.2	13.0	13.0
110°	19.5	19.5	19.5	19.5	19.5	16.2	16.2	13.0	13.0	9.7	9.7



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	16.2	16.2	16.2	16.2	16.2	16.2	13.0	13.0	9.7	9.7	9.7
115°	16.2	16.2	16.2	16.2	13.0	13.0	9.7	9.7	9.7	9.7	6.5
117.5°	13.0	13.0	13.0	13.0	13.0	9.7	9.7	9.7	9.7	6.5	9.7
120°	13.0	13.0	13.0	13.0	9.7	9.7	9.7	6.5	6.5	6.5	6.5
122.5°	9.7	9.7	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5
125°	9.7	9.7	9.7	9.7	9.7	6.5	6.5	6.5	6.5	6.5	6.5
127.5°	9.7	9.7	6.5	9.7	6.5	6.5	6.5	6.5	6.5	3.2	6.5
130°	9.7	9.7	6.5	6.5	6.5	6.5	6.5	6.5	3.2	3.2	3.2
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°	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3	873.3
2.5°	866.8	866.8	870.1	866.8	866.8	860.3	857.1	853.8	853.8	853.8
5°	863.6	863.6	860.3	853.8	850.6	844.1	837.6	834.4	831.1	834.4
7.5°	857.1	850.6	844.1	831.1	821.4	818.1	805.1	801.9	801.9	801.9
10°	844.1	837.6	821.4	805.1	798.7	788.9	779.2	769.4	772.7	775.9
12.5°	840.9	824.6	811.6	795.4	785.7	769.4	766.2	756.4	753.2	753.2
15°	844.1	831.1	814.9	801.9	788.9	782.4	769.4	766.2	756.4	762.9
17.5°	857.1	837.6	824.6	811.6	798.7	792.2	782.4	775.9	779.2	779.2
20°	870.1	850.6	837.6	827.9	814.9	805.1	801.9	795.4	798.7	792.2
22.5°	889.6	870.1	860.3	847.4	837.6	831.1	824.6	827.9	821.4	824.6
25°	915.5	899.3	886.3	876.6	866.8	860.3	860.3	860.3	857.1	860.3
27.5°	951.2	935.0	925.3	918.8	909.0	902.5	896.0	899.3	902.5	899.3
30°	983.7	964.2	961.0	954.5	948.0	944.7	944.7	944.7	944.7	951.2
32.5°	1035.7	1016.2	1009.7	1009.7	1003.2	999.9	996.7	1003.2	1006.4	1003.2
35°	1116.8	1090.8	1084.3	1081.1	1077.9	1077.9	1081.1	1081.1	1081.1	1081.1
37.5°	1217.5	1181.7	1175.3	1172.0	1172.0	1172.0	1168.8	1172.0	1181.7	1185.0
40°	1262.9	1240.2	1249.9	1266.2	1275.9	1275.9	1272.7	1279.1	1288.9	1288.9
42.5°	1022.7	974.0	1009.7	1074.6	1116.8	1168.8	1178.5	1211.0	1236.9	1236.9
45°	831.1	629.8	642.8	685.0	704.5	750.0	775.9	805.1	821.4	798.7
47.5°	935.0	405.8	334.4	347.4	298.7	360.4	402.6	448.0	457.8	467.5
50°	1467.4	418.8	282.5	204.5	136.4	181.8	191.5	217.5	211.0	214.3
52.5°	1782.4	480.5	282.5	181.8	113.6	120.1	110.4	123.4	129.9	142.8
55°	1999.9	577.9	366.9	230.5	133.1	81.2	55.2	42.2	39.0	39.0
57.5°	2103.8	707.7	477.2	327.9	207.8	113.6	48.7	35.7	32.5	29.2
60°	2201.2	847.4	603.9	448.0	327.9	201.3	90.9	35.7	29.2	29.2
62.5°	2288.8	987.0	730.5	581.1	461.0	314.9	168.8	61.7	32.5	32.5
65°	2360.2	1016.2	740.2	629.8	496.7	370.1	220.8	74.7	35.7	35.7
67.5°	2379.7	967.5	714.2	577.9	464.3	314.9	172.1	61.7	42.2	39.0
70°	2249.9	918.8	717.5	548.7	418.8	279.2	113.6	71.4	55.2	51.9
72.5°	2035.6	850.6	681.8	532.4	402.6	282.5	133.1	116.9	103.9	97.4
75°	1792.1	769.4	629.8	509.7	389.6	272.7	155.8	146.1	133.1	129.9
77.5°	1438.2	639.6	529.2	431.8	327.9	217.5	129.9	123.4	107.1	107.1
80°	944.7	477.2	399.3	331.1	250.0	152.6	97.4	87.7	77.9	74.7
82.5°	386.3	279.2	240.2	207.8	162.3	97.4	64.9	55.2	45.5	42.2
85°	188.3	139.6	120.1	97.4	81.2	55.2	42.2	35.7	26.0	26.0
87.5°	152.6	110.4	90.9	74.7	55.2	39.0	29.2	22.7	16.2	13.0
90°	139.6	97.4	77.9	61.7	45.5	32.5	19.5	16.2	9.7	6.5
92.5°	126.6	84.4	68.2	48.7	35.7	26.0	13.0	9.7	6.5	6.5
95°	103.9	64.9	51.9	39.0	29.2	19.5	13.0	6.5	3.2	3.2
97.5°	74.7	48.7	39.0	29.2	22.7	13.0	9.7	6.5	3.2	3.2
100°	51.9	32.5	29.2	22.7	16.2	9.7	6.5	3.2	3.2	3.2
102.5°	26.0	19.5	19.5	16.2	13.0	9.7	3.2	3.2	0.0	0.0
105°	16.2	13.0	13.0	9.7	6.5	6.5	3.2	3.2	0.0	0.0
107.5°	9.7	9.7	9.7	6.5	6.5	3.2	3.2	0.0	0.0	0.0
110°	9.7	6.5	6.5	6.5	3.2	3.2	3.2	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01H-5TLD-U-T5R-7030-SR-CARETAKER-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	6.5	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0
115°	6.5	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0
117.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
120°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
122.5°	6.5	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
125°	3.2	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0
127.5°	3.2	3.2	3.2	3.2	0.0	0.0	0.0	0.0	0.0	0.0
130°	3.2	3.2	3.2	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)