

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: P692000

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-7030-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692000
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-30)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T5R-7030-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE V ROUND OPTIC AND U0 SHIELD WITH HOUSE
SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7462 lumens
Efficiency: N/A
Efficacy: 94.5 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 79
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



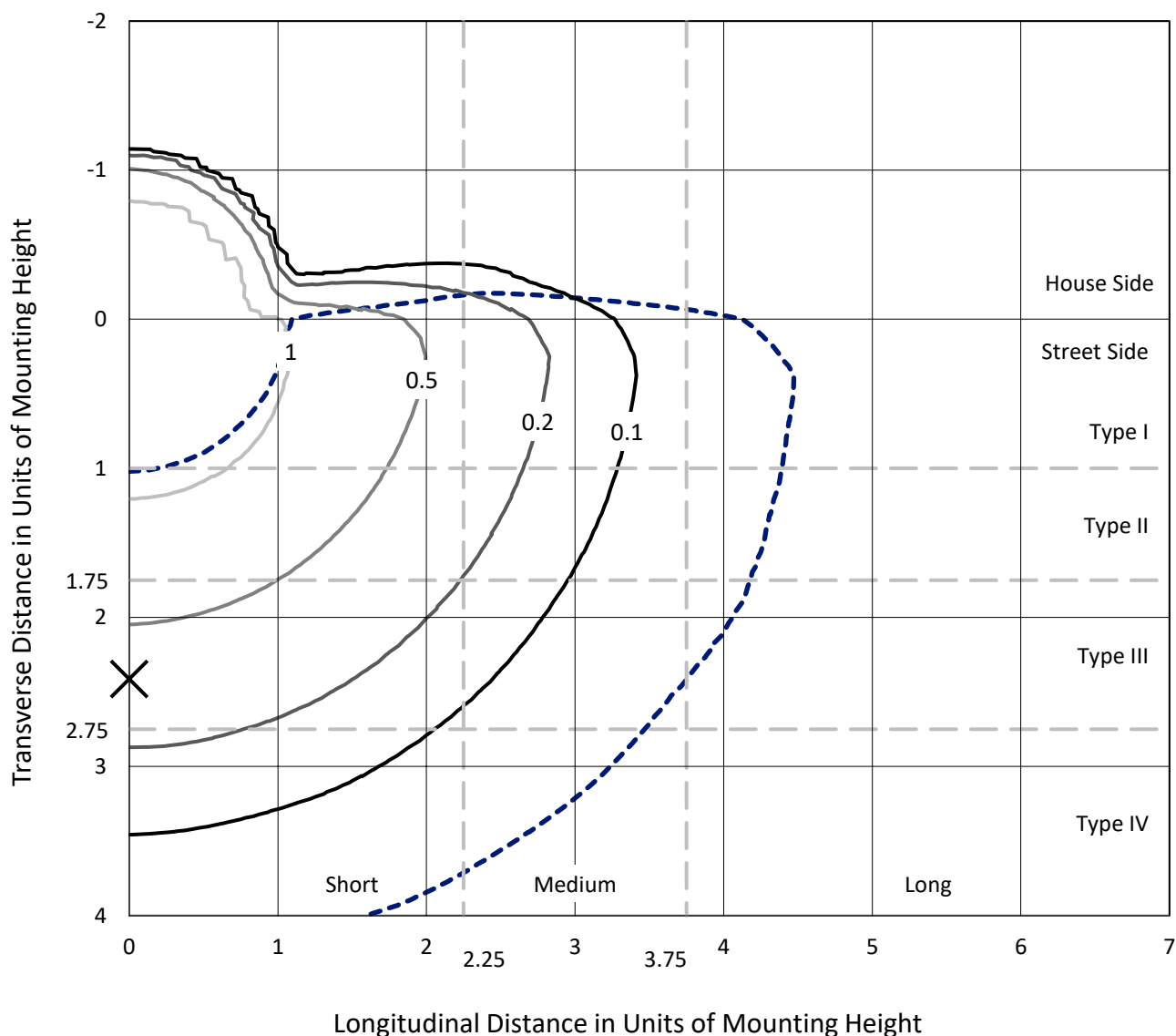
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd



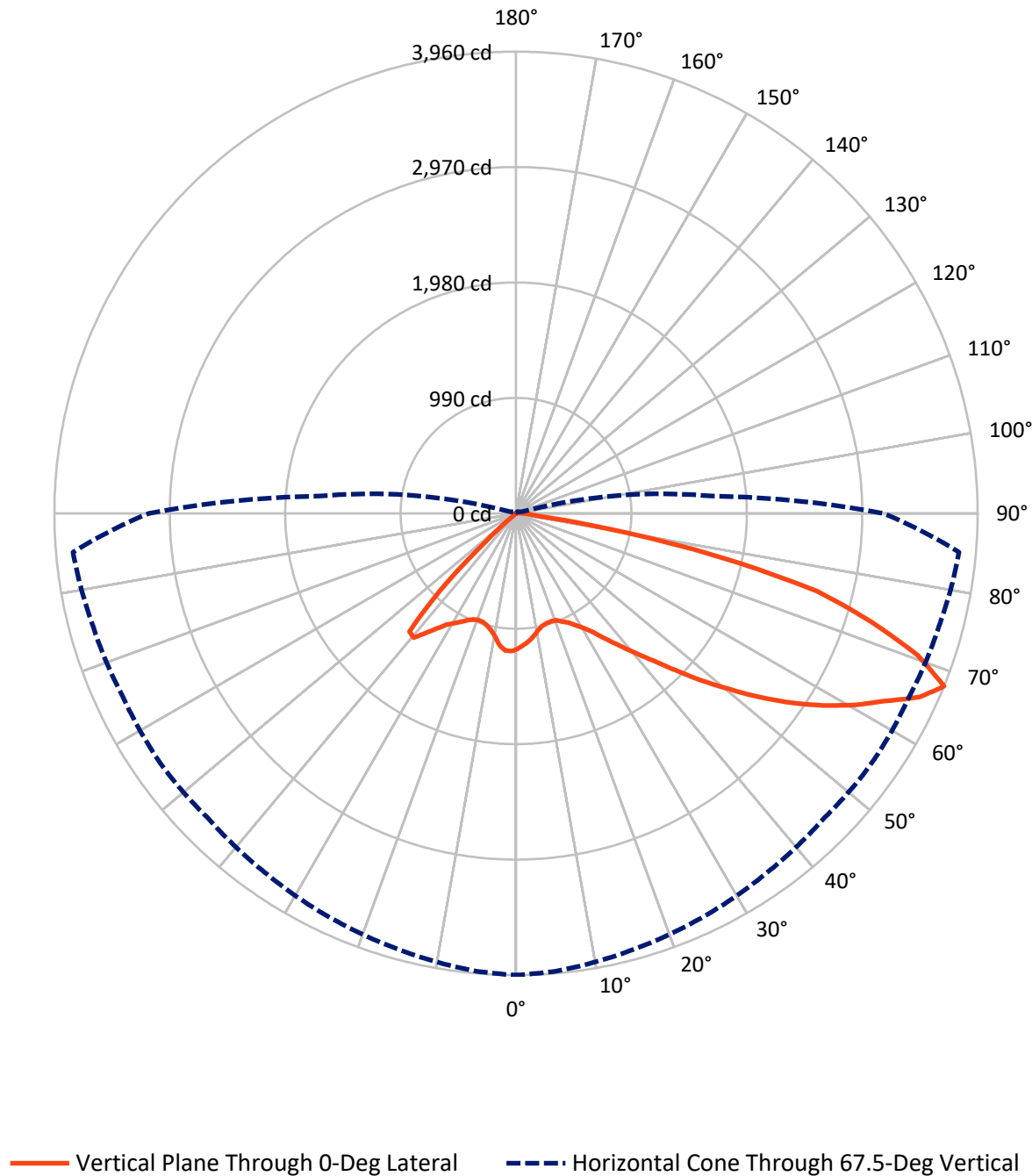
Based on 25 foot mounting height. Maximum calculated value = 1.9 fc

Type IV - Short - N/A

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Luminous Intensity Polar Plot



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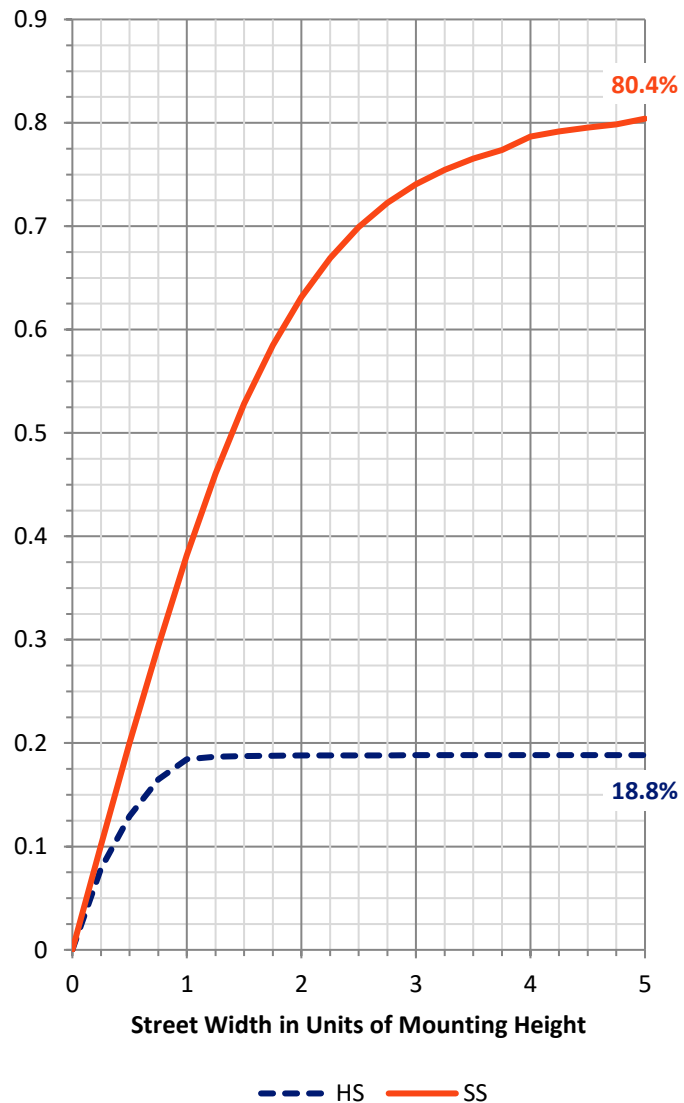
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1413.2	2.6	1415.8
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	6029.2	16.9	6046.2
	% Fixture	80.8	0.2	81.0
Total	Lumens	7442.4	19.6	7462.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.1	1.4
10°-20°	273.9	3.7
20°-30°	469.8	6.3
30°-40°	794.3	10.6
40°-50°	1059.9	14.2
50°-60°	1345.7	18.0
60°-70°	1884.5	25.3
70°-80°	1364.9	18.3
80°-90°	145.4	1.9
90°-100°	16.3	0.2
100°-110°	1.6	0.0
110°-120°	0.6	0.0
120°-130°	0.4	0.0
130°-140°	0.1	0.0
140°-150°	0.1	0.0
150°-160°	0.1	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7442.4	99.7
0°-180°	7462.0	100.0

Coefficient of Utilization



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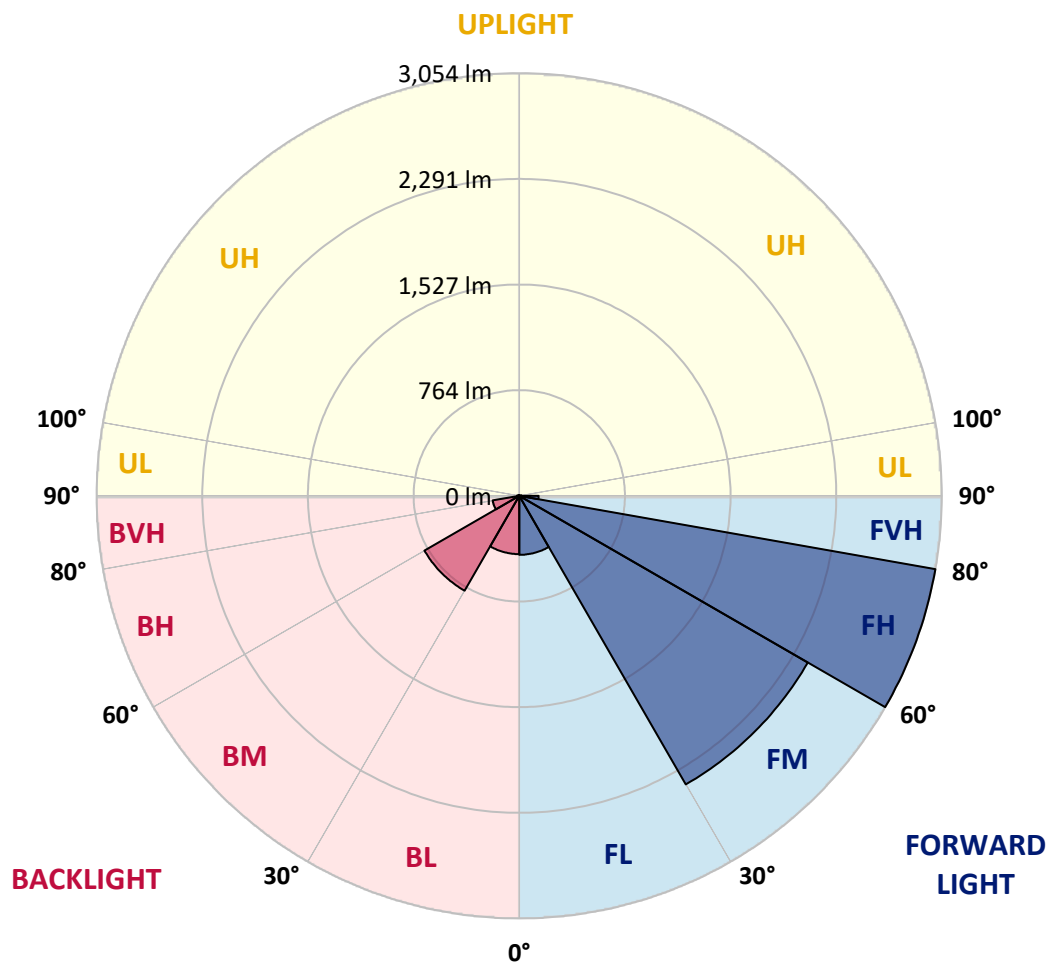
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	426.5	5.7			
FM	(30°-60°)	2408.5	32.3			
FH	(60°-80°)	3054.2	40.9			G2/5000
FVH	(80°-90°)	140.0	1.9			G2/225
BL	(0°-30°)	421.3	5.6	B1/500		
BM	(30°-60°)	791.3	10.6	B1/1000		
BH	(60°-80°)	195.1	2.6	B1/500		G1/500
BVH	(80°-90°)	5.4	0.1			G0/10
UL	(90°-100°)	16.3	0.2		U2/50	
UH	(100°-180°)	3.3	0.0		U1/10	

BUG Rating: B1-U2-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3
2.5°	1134.5	1138.2	1138.2	1138.2	1141.9	1138.2	1138.2	1138.2	1138.2	1141.9	1141.9
5°	1104.6	1104.6	1104.6	1108.4	1108.4	1104.6	1100.9	1104.6	1104.6	1108.4	1108.4
7.5°	1067.3	1067.3	1067.3	1071.0	1067.3	1059.8	1052.4	1056.1	1052.4	1056.1	1059.8
10°	1022.5	1026.3	1026.3	1022.5	1018.8	1007.6	996.4	1000.1	996.4	1000.1	1000.1
12.5°	992.7	996.4	996.4	992.7	981.5	974.0	966.5	959.1	955.4	962.8	959.1
15°	977.7	981.5	981.5	977.7	970.3	962.8	947.9	944.2	936.7	933.0	936.7
17.5°	974.0	974.0	974.0	970.3	962.8	951.6	944.2	936.7	933.0	933.0	929.2
20°	977.7	985.2	981.5	977.7	970.3	962.8	951.6	940.4	940.4	940.4	936.7
22.5°	1007.6	1007.6	1003.9	1003.9	996.4	985.2	974.0	966.5	959.1	959.1	959.1
25°	1037.5	1041.2	1041.2	1037.5	1026.3	1011.3	1007.6	996.4	992.7	988.9	985.2
27.5°	1086.0	1082.2	1086.0	1086.0	1071.0	1063.6	1052.4	1044.9	1041.2	1033.7	1030.0
30°	1141.9	1141.9	1141.9	1141.9	1130.7	1115.8	1108.4	1097.2	1086.0	1086.0	1078.5
32.5°	1216.6	1220.3	1220.3	1216.6	1205.4	1190.5	1183.0	1168.1	1164.3	1156.9	1149.4
35°	1321.1	1321.1	1321.1	1313.6	1298.7	1287.5	1280.0	1268.8	1265.1	1253.9	1235.2
37.5°	1436.8	1436.8	1444.2	1436.8	1421.8	1406.9	1395.7	1388.2	1377.1	1369.6	1358.4
40°	1571.1	1571.1	1574.8	1563.6	1548.7	1541.3	1530.1	1515.1	1507.7	1503.9	1481.5
42.5°	1727.8	1735.3	1735.3	1724.1	1712.9	1701.7	1686.8	1675.6	1668.1	1653.2	1623.4
45°	1918.2	1914.4	1921.9	1910.7	1903.2	1899.5	1877.1	1851.0	1854.7	1821.1	1787.6
47.5°	2142.1	2145.8	2142.1	2130.9	2123.4	2119.7	2097.3	2063.7	2048.8	2022.7	1959.2
50°	2369.7	2373.5	2369.7	2362.3	2369.7	2347.3	2321.2	2291.4	2287.6	2254.0	2157.0
52.5°	2619.8	2608.6	2604.8	2601.1	2593.6	2582.4	2556.3	2522.7	2526.5	2489.1	2336.1
55°	2869.8	2858.6	2839.9	2832.5	2825.0	2806.3	2784.0	2772.8	2769.0	2731.7	2526.5
57.5°	3108.6	3090.0	3063.8	3060.1	3048.9	3022.8	3011.6	2992.9	2992.9	2951.9	2664.5
60°	3336.3	3313.9	3284.0	3269.1	3250.4	3228.0	3224.3	3213.1	3216.9	3194.5	2813.8
62.5°	3545.3	3526.6	3489.3	3466.9	3437.0	3418.4	3422.1	3414.6	3429.6	3414.6	2944.4
65°	3799.0	3776.6	3731.8	3683.3	3642.3	3612.4	3601.2	3623.6	3687.1	3702.0	3119.8
67.5°	3959.5	3940.8	3873.7	3813.9	3758.0	3716.9	3728.1	3720.6	3754.2	3813.9	3149.7
70°	3657.2	3649.7	3582.6	3545.3	3504.2	3463.2	3466.9	3455.7	3481.8	3496.7	2888.4
72.5°	3190.7	3228.0	3142.2	3138.5	3112.4	3116.1	3075.0	3104.9	3086.2	3086.2	2556.3
75°	2668.3	2589.9	2563.8	2627.2	2589.9	2593.6	2586.2	2619.8	2616.0	2619.8	2224.2
77.5°	1750.2	1765.2	1731.6	1798.7	1832.3	1888.3	1914.4	2004.0	1970.4	1963.0	1761.4
80°	783.7	802.3	806.1	869.5	910.6	966.5	947.9	1011.3	970.3	903.1	862.1
82.5°	175.4	175.4	197.8	253.8	268.7	279.9	279.9	291.1	231.4	141.8	115.7
85°	119.4	115.7	156.7	212.7	223.9	216.4	209.0	194.1	134.3	41.1	33.6
87.5°	78.4	82.1	126.9	175.4	182.9	171.7	160.5	145.5	97.0	11.2	7.5
90°	52.2	59.7	97.0	134.3	134.3	126.9	115.7	97.0	59.7	3.7	3.7
92.5°	26.1	29.9	48.5	59.7	56.0	48.5	44.8	37.3	22.4	3.7	3.7
95°	14.9	14.9	22.4	22.4	22.4	18.7	18.7	14.9	7.5	3.7	3.7
97.5°	11.2	11.2	14.9	14.9	11.2	11.2	11.2	7.5	3.7	3.7	3.7
100°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	3.7	3.7	3.7	3.7
102.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
105°	0.0	0.0	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	3.7
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	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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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
130°	0.0	0.0	0.0	0.0	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	0.0
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7
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	3.7	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	3.7
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7
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	3.7	0.0	3.7	3.7
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.7	3.7	0.0	3.7	3.7
175°	0.0	0.0	0.0	0.0	0.0	3.7	3.7	3.7	3.7	3.7	3.7
177.5°	0.0	0.0	0.0	0.0	0.0	3.7	0.0	3.7	3.7	3.7	3.7
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°	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3	1164.3
2.5°	1145.7	1149.4	1153.1	1160.6	1160.6	1171.8	1175.5	1179.3	1183.0	1183.0
5°	1115.8	1119.6	1130.7	1138.2	1149.4	1156.9	1168.1	1171.8	1175.5	1179.3
7.5°	1059.8	1067.3	1078.5	1082.2	1097.2	1108.4	1119.6	1130.7	1134.5	1141.9
10°	1003.9	1007.6	1011.3	1022.5	1030.0	1044.9	1059.8	1067.3	1074.8	1074.8
12.5°	962.8	966.5	970.3	974.0	985.2	992.7	1007.6	1015.1	1018.8	1026.3
15°	936.7	936.7	944.2	944.2	951.6	962.8	970.3	981.5	985.2	992.7
17.5°	929.2	929.2	933.0	936.7	944.2	947.9	955.4	966.5	970.3	974.0
20°	933.0	936.7	936.7	940.4	947.9	951.6	959.1	962.8	966.5	970.3
22.5°	951.6	947.9	951.6	951.6	955.4	962.8	970.3	977.7	981.5	981.5
25°	977.7	974.0	974.0	981.5	985.2	988.9	1000.1	1003.9	1007.6	1007.6
27.5°	1022.5	1018.8	1022.5	1022.5	1026.3	1026.3	1037.5	1037.5	1041.2	1044.9
30°	1067.3	1056.1	1056.1	1056.1	1059.8	1067.3	1071.0	1078.5	1082.2	1082.2
32.5°	1134.5	1112.1	1108.4	1112.1	1112.1	1115.8	1127.0	1123.3	1130.7	1127.0
35°	1220.3	1197.9	1190.5	1190.5	1190.5	1190.5	1201.7	1194.2	1201.7	1197.9
37.5°	1324.8	1295.0	1291.2	1291.2	1283.8	1287.5	1291.2	1283.8	1280.0	1283.8
40°	1436.8	1384.5	1380.8	1384.5	1384.5	1384.5	1384.5	1380.8	1377.1	1380.8
42.5°	1384.5	1175.5	1201.7	1239.0	1276.3	1321.1	1332.3	1362.1	1365.9	1365.9
45°	1209.1	679.2	716.5	772.5	794.9	809.8	850.9	914.3	933.0	936.7
47.5°	1067.3	227.6	242.6	265.0	302.3	320.9	324.7	369.5	388.1	350.8
50°	1056.1	52.2	37.3	37.3	41.1	33.6	33.6	37.3	37.3	37.3
52.5°	1153.1	48.5	33.6	29.9	29.9	29.9	26.1	29.9	29.9	29.9
55°	1253.9	48.5	33.6	29.9	29.9	29.9	26.1	26.1	26.1	26.1
57.5°	1336.0	48.5	33.6	29.9	29.9	26.1	22.4	22.4	22.4	22.4
60°	1433.0	48.5	33.6	29.9	29.9	22.4	18.7	18.7	18.7	18.7
62.5°	1515.1	52.2	33.6	29.9	26.1	18.7	18.7	18.7	18.7	18.7
65°	1634.5	52.2	33.6	26.1	18.7	14.9	14.9	14.9	14.9	14.9
67.5°	1690.5	52.2	29.9	22.4	14.9	11.2	11.2	11.2	11.2	11.2
70°	1522.6	41.1	22.4	14.9	11.2	11.2	11.2	11.2	11.2	11.2
72.5°	1302.4	29.9	14.9	11.2	7.5	7.5	7.5	7.5	7.5	3.7
75°	1037.5	18.7	7.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0
77.5°	727.7	14.9	7.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0
80°	302.3	11.2	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	44.8	7.5	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
85°	14.9	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.7	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-7030-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.7	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.7	3.7	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°	3.7	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	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.7	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°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.7	3.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.7	3.7	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)