

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: P692021

Luminaire Tested: **CRTK2-C01HO-D-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P692021
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-8027-U0-DS-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K 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: 6575 lumens
Efficiency: N/A
Efficacy: 83.2 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

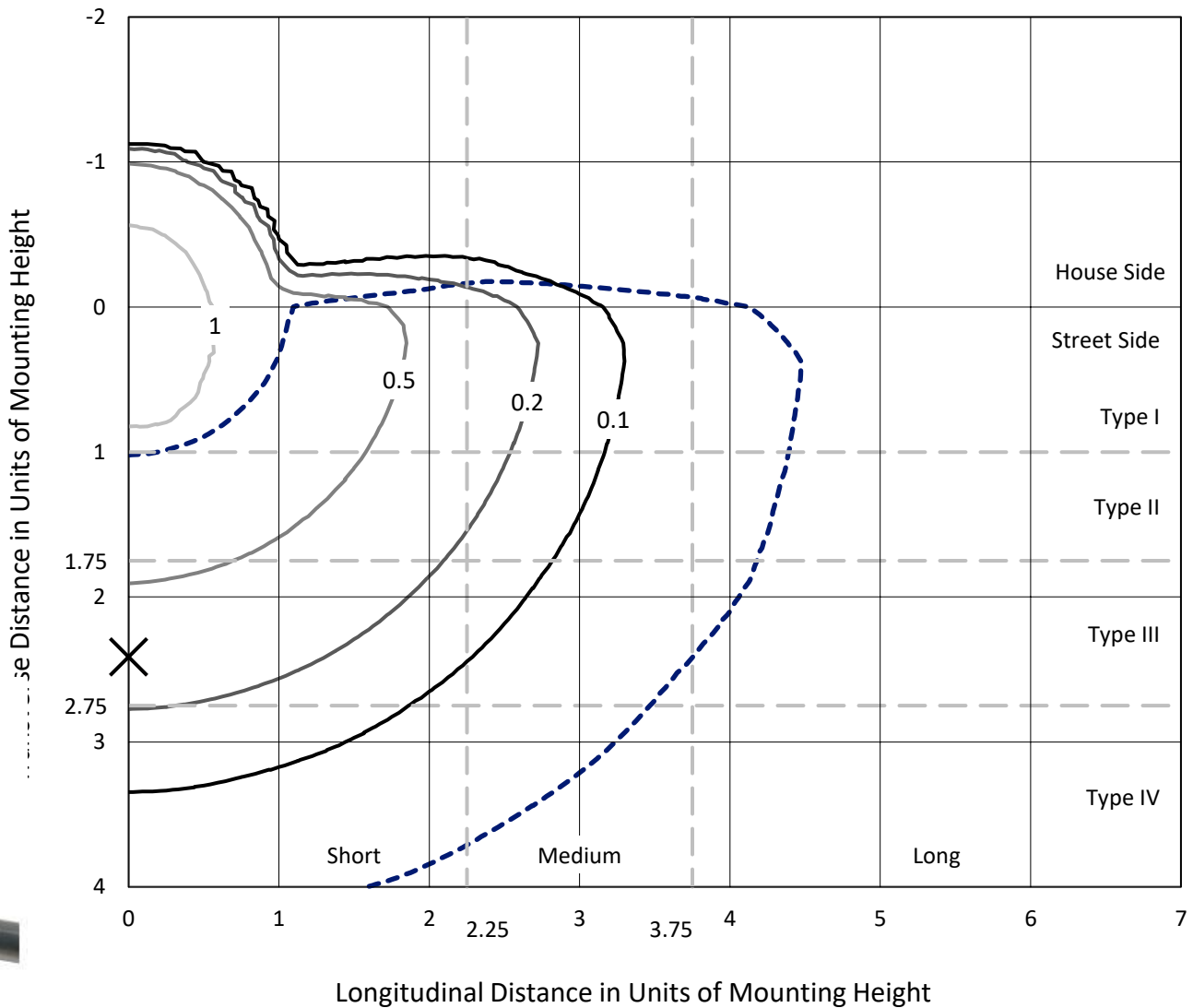


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

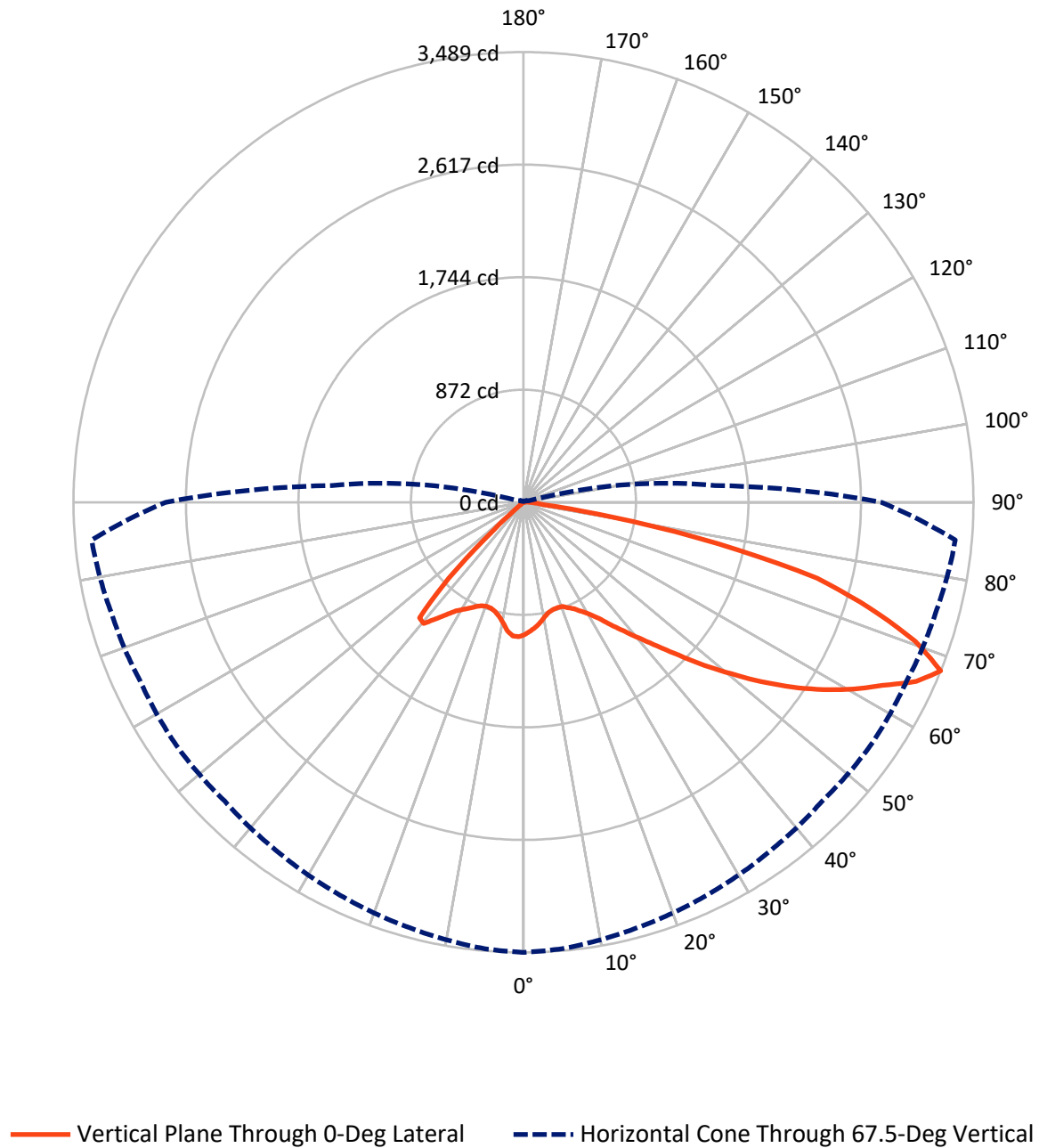


Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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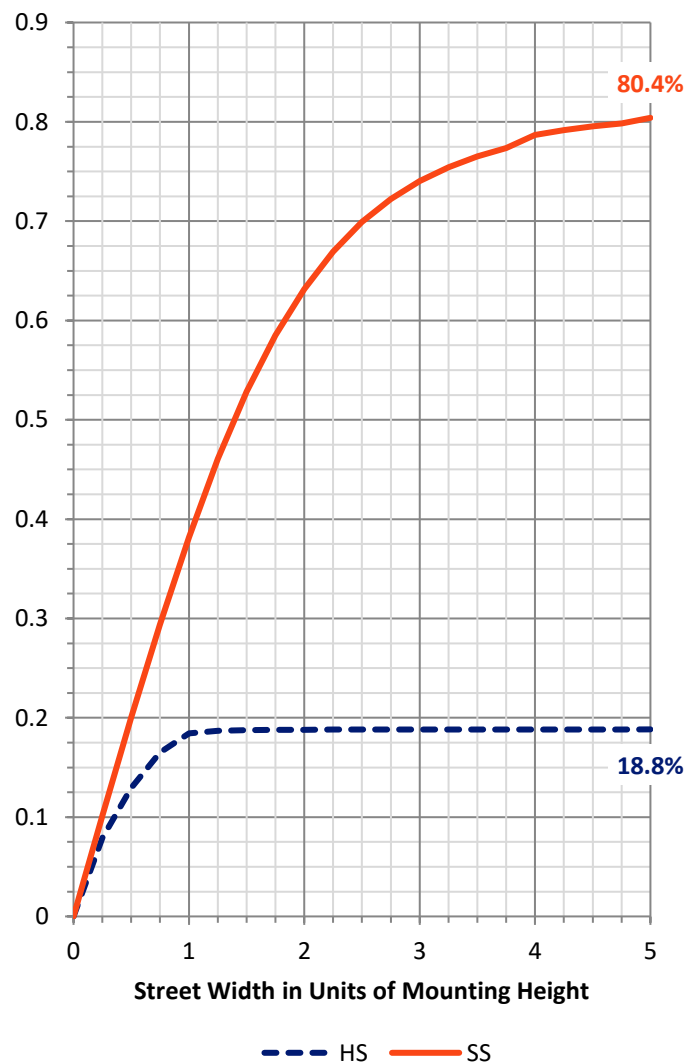
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1245.2	2.3	1247.5
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	5312.5	14.9	5327.5
	% Fixture	80.8	0.2	81.0
Total	Lumens	6557.7	17.3	6575.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	91.7	1.4
10°-20°	241.3	3.7
20°-30°	413.9	6.3
30°-40°	699.9	10.6
40°-50°	933.9	14.2
50°-60°	1185.7	18.0
60°-70°	1660.5	25.3
70°-80°	1202.6	18.3
80°-90°	128.2	1.9
90°-100°	14.4	0.2
100°-110°	1.5	0.0
110°-120°	0.6	0.0
120°-130°	0.3	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°	6557.7	99.7
0°-180°	6575.0	100.0

Coefficient of Utilization



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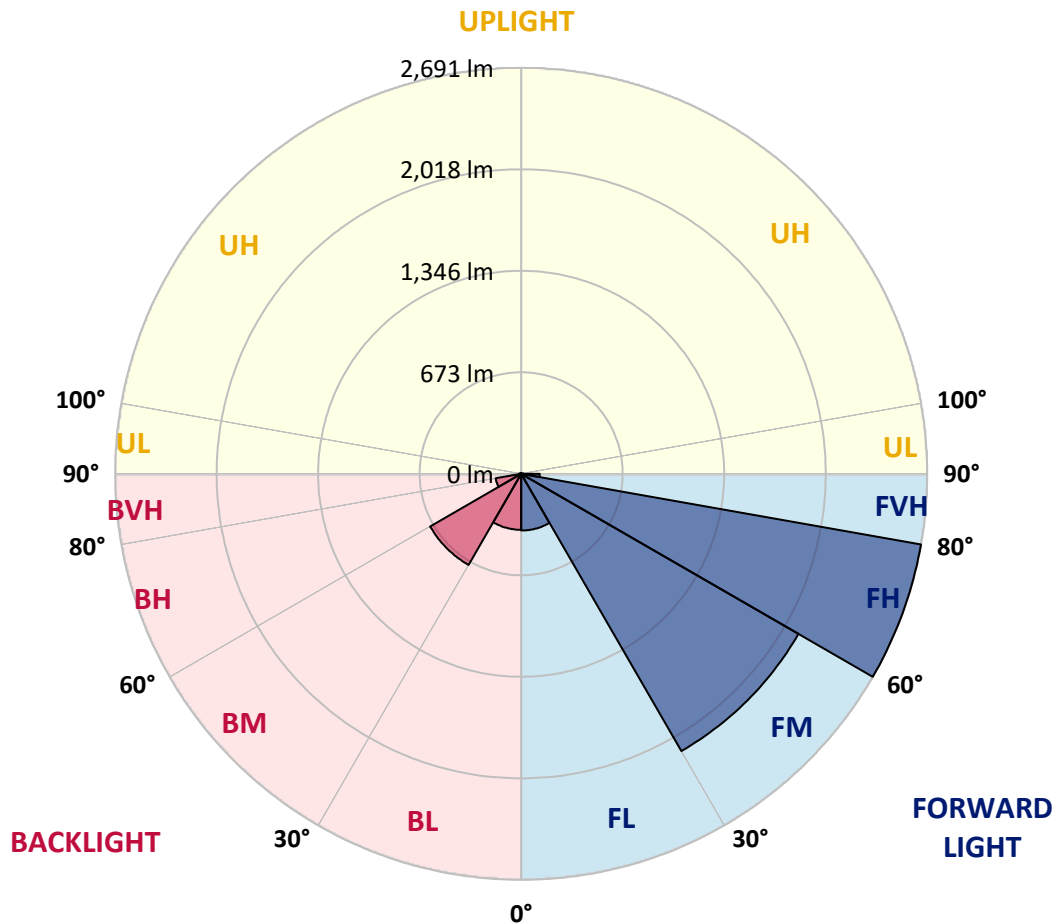
CATALOG NUMBER: CRTK2-C01HO-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	375.8	5.7			
FM	(30°-60°)	2122.2	32.3			
FH	(60°-80°)	2691.2	40.9			G2/5000
FVH	(80°-90°)	123.4	1.9			G2/225
BL	(0°-30°)	371.2	5.6	B1/500		
BM	(30°-60°)	697.3	10.6	B1/1000		
BH	(60°-80°)	172.0	2.6	B1/500		G1/500
BVH	(80°-90°)	4.8	0.1			G0/10
UL	(90°-100°)	14.4	0.2		U2/50	
UH	(100°-180°)	2.9	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°	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9
2.5°	999.6	1002.9	1002.9	1002.9	1006.2	1002.9	1002.9	1002.9	1002.9	1006.2	1006.2
5°	973.3	973.3	973.3	976.6	976.6	973.3	970.0	973.3	973.3	976.6	976.6
7.5°	940.4	940.4	940.4	943.7	940.4	933.9	927.3	930.6	927.3	930.6	933.9
10°	901.0	904.3	904.3	901.0	897.7	887.8	878.0	881.2	878.0	881.2	881.2
12.5°	874.7	878.0	878.0	874.7	864.8	858.2	851.7	845.1	841.8	848.4	845.1
15°	861.5	864.8	864.8	861.5	854.9	848.4	835.2	831.9	825.3	822.1	825.3
17.5°	858.2	858.2	858.2	854.9	848.4	838.5	831.9	825.3	822.1	822.1	818.8
20°	861.5	868.1	864.8	861.5	854.9	848.4	838.5	828.6	828.6	828.6	825.3
22.5°	887.8	887.8	884.5	884.5	878.0	868.1	858.2	851.7	845.1	845.1	845.1
25°	914.1	917.4	917.4	914.1	904.3	891.1	887.8	878.0	874.7	871.4	868.1
27.5°	956.9	953.6	956.9	956.9	943.7	937.1	927.3	920.7	917.4	910.8	907.6
30°	1006.2	1006.2	1006.2	1006.2	996.3	983.2	976.6	966.7	956.9	956.9	950.3
32.5°	1072.0	1075.3	1075.3	1072.0	1062.1	1048.9	1042.4	1029.2	1025.9	1019.4	1012.8
35°	1164.0	1164.0	1164.0	1157.5	1144.3	1134.4	1127.9	1118.0	1114.7	1104.9	1088.4
37.5°	1266.0	1266.0	1272.6	1266.0	1252.8	1239.7	1229.8	1223.2	1213.4	1206.8	1196.9
40°	1384.4	1384.4	1387.6	1377.8	1364.6	1358.0	1348.2	1335.0	1328.5	1325.2	1305.4
42.5°	1522.5	1529.0	1529.0	1519.2	1509.3	1499.4	1486.3	1476.4	1469.8	1456.7	1430.4
45°	1690.2	1686.9	1693.4	1683.6	1677.0	1673.7	1654.0	1631.0	1634.3	1604.7	1575.1
47.5°	1887.5	1890.7	1887.5	1877.6	1871.0	1867.7	1848.0	1818.4	1805.2	1782.2	1726.3
50°	2088.0	2091.3	2088.0	2081.5	2088.0	2068.3	2045.3	2019.0	2015.7	1986.1	1900.6
52.5°	2308.3	2298.5	2295.2	2291.9	2285.3	2275.5	2252.4	2222.9	2226.1	2193.3	2058.4
55°	2528.7	2518.8	2502.4	2495.8	2489.2	2472.8	2453.0	2443.2	2439.9	2407.0	2226.1
57.5°	2739.1	2722.7	2699.6	2696.4	2686.5	2663.5	2653.6	2637.2	2637.2	2601.0	2347.8
60°	2939.7	2920.0	2893.7	2880.5	2864.1	2844.3	2841.0	2831.2	2834.5	2814.7	2479.3
62.5°	3123.8	3107.4	3074.5	3054.8	3028.5	3012.0	3015.3	3008.7	3021.9	3008.7	2594.4
65°	3347.4	3327.7	3288.2	3245.5	3209.3	3183.0	3173.2	3192.9	3248.8	3261.9	2749.0
67.5°	3488.8	3472.4	3413.2	3360.6	3311.3	3275.1	3285.0	3278.4	3308.0	3360.6	2775.3
70°	3222.5	3215.9	3156.7	3123.8	3087.7	3051.5	3054.8	3044.9	3067.9	3081.1	2545.1
72.5°	2811.4	2844.3	2768.7	2765.4	2742.4	2745.7	2709.5	2735.8	2719.4	2719.4	2252.4
75°	2351.1	2282.0	2259.0	2314.9	2282.0	2285.3	2278.8	2308.3	2305.1	2308.3	1959.8
77.5°	1542.2	1555.3	1525.7	1584.9	1614.5	1663.9	1686.9	1765.8	1736.2	1729.6	1552.1
80°	690.5	707.0	710.3	766.2	802.3	851.7	835.2	891.1	854.9	795.8	759.6
82.5°	154.5	154.5	174.3	223.6	236.8	246.6	246.6	256.5	203.9	125.0	101.9
85°	105.2	101.9	138.1	187.4	197.3	190.7	184.1	171.0	118.4	36.2	29.6
87.5°	69.1	72.3	111.8	154.5	161.1	151.3	141.4	128.2	85.5	9.9	6.6
90°	46.0	52.6	85.5	118.4	118.4	111.8	101.9	85.5	52.6	3.3	3.3
92.5°	23.0	26.3	42.7	52.6	49.3	42.7	39.5	32.9	19.7	3.3	3.3
95°	13.2	13.2	19.7	19.7	19.7	16.4	16.4	13.2	6.6	3.3	3.3
97.5°	9.9	9.9	13.2	13.2	9.9	9.9	9.9	6.6	3.3	3.3	3.3
100°	6.6	6.6	6.6	6.6	6.6	6.6	6.6	3.3	3.3	3.3	3.3
102.5°	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3	3.3
105°	0.0	0.0	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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-8027-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	3.3
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3
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	3.3
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	3.3
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	3.3	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	3.3
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3
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	3.3	0.0	3.3	3.3
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	3.3	3.3	0.0	3.3	3.3
175°	0.0	0.0	0.0	0.0	0.0	3.3	3.3	3.3	3.3	3.3	3.3
177.5°	0.0	0.0	0.0	0.0	0.0	3.3	0.0	3.3	3.3	3.3	3.3
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°	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9	1025.9
2.5°	1009.5	1012.8	1016.1	1022.6	1022.6	1032.5	1035.8	1039.1	1042.4	1042.4
5°	983.2	986.5	996.3	1002.9	1012.8	1019.4	1029.2	1032.5	1035.8	1039.1
7.5°	933.9	940.4	950.3	953.6	966.7	976.6	986.5	996.3	999.6	1006.2
10°	884.5	887.8	891.1	901.0	907.6	920.7	933.9	940.4	947.0	947.0
12.5°	848.4	851.7	854.9	858.2	868.1	874.7	887.8	894.4	897.7	904.3
15°	825.3	825.3	831.9	831.9	838.5	848.4	854.9	864.8	868.1	874.7
17.5°	818.8	818.8	822.1	825.3	831.9	835.2	841.8	851.7	854.9	858.2
20°	822.1	825.3	825.3	828.6	835.2	838.5	845.1	848.4	851.7	854.9
22.5°	838.5	835.2	838.5	838.5	841.8	848.4	854.9	861.5	864.8	864.8
25°	861.5	858.2	858.2	864.8	868.1	871.4	881.2	884.5	887.8	887.8
27.5°	901.0	897.7	901.0	901.0	904.3	904.3	914.1	914.1	917.4	920.7
30°	940.4	930.6	930.6	930.6	933.9	940.4	943.7	950.3	953.6	953.6
32.5°	999.6	979.9	976.6	979.9	979.9	983.2	993.0	989.8	996.3	993.0
35°	1075.3	1055.5	1048.9	1048.9	1048.9	1048.9	1058.8	1052.2	1058.8	1055.5
37.5°	1167.3	1141.0	1137.7	1137.7	1131.2	1134.4	1137.7	1131.2	1127.9	1131.2
40°	1266.0	1219.9	1216.7	1219.9	1219.9	1219.9	1219.9	1216.7	1213.4	1216.7
42.5°	1219.9	1035.8	1058.8	1091.7	1124.6	1164.0	1173.9	1200.2	1203.5	1203.5
45°	1065.4	598.5	631.3	680.7	700.4	713.5	749.7	805.6	822.1	825.3
47.5°	940.4	200.6	213.7	233.5	266.3	282.8	286.1	325.5	342.0	309.1
50°	930.6	46.0	32.9	32.9	36.2	29.6	29.6	32.9	32.9	32.9
52.5°	1016.1	42.7	29.6	26.3	26.3	26.3	23.0	26.3	26.3	26.3
55°	1104.9	42.7	29.6	26.3	26.3	26.3	23.0	23.0	23.0	23.0
57.5°	1177.2	42.7	29.6	26.3	26.3	23.0	19.7	19.7	19.7	19.7
60°	1262.7	42.7	29.6	26.3	26.3	19.7	16.4	16.4	16.4	16.4
62.5°	1335.0	46.0	29.6	26.3	23.0	16.4	16.4	16.4	16.4	16.4
65°	1440.3	46.0	29.6	23.0	16.4	13.2	13.2	13.2	13.2	13.2
67.5°	1489.6	46.0	26.3	19.7	13.2	9.9	9.9	9.9	9.9	9.9
70°	1341.6	36.2	19.7	13.2	9.9	9.9	9.9	9.9	9.9	9.9
72.5°	1147.6	26.3	13.2	9.9	6.6	6.6	6.6	6.6	6.6	3.3
75°	914.1	16.4	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0
77.5°	641.2	13.2	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0
80°	266.3	9.9	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	39.5	6.6	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
85°	13.2	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
90°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	3.3	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	3.3	3.3	3.3	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-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	3.3	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	3.3	3.3	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°	3.3	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	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	3.3	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°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	3.3	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	3.3	3.3	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)