

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: P691009

Luminaire Tested: **CRTK2-C01-D-U-T5R-8027-U0-DS-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691009
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-C01-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: 5063 lumens
Efficiency: N/A
Efficacy: 83.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U2 - G2

Input Watts (W): 61
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

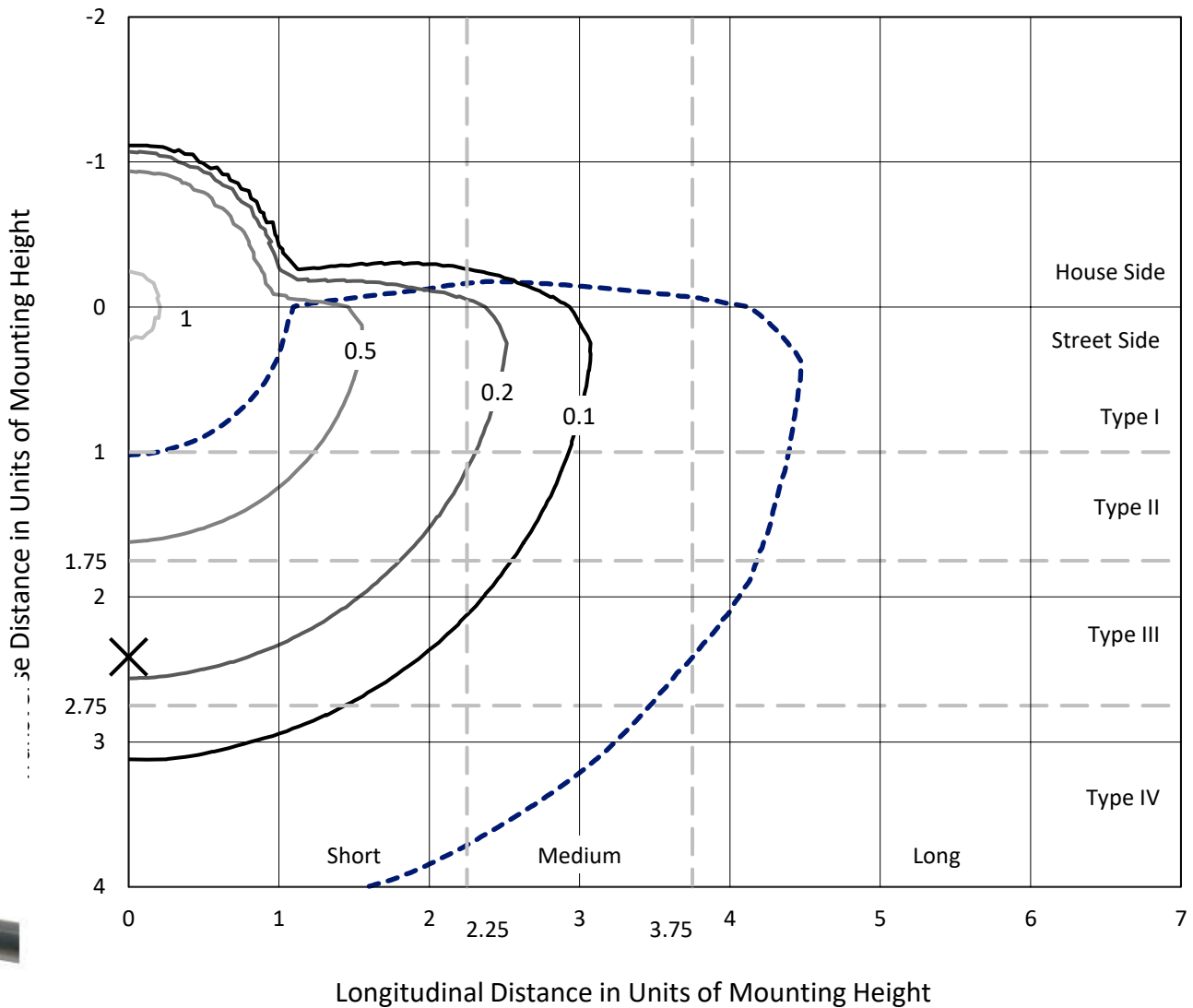


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

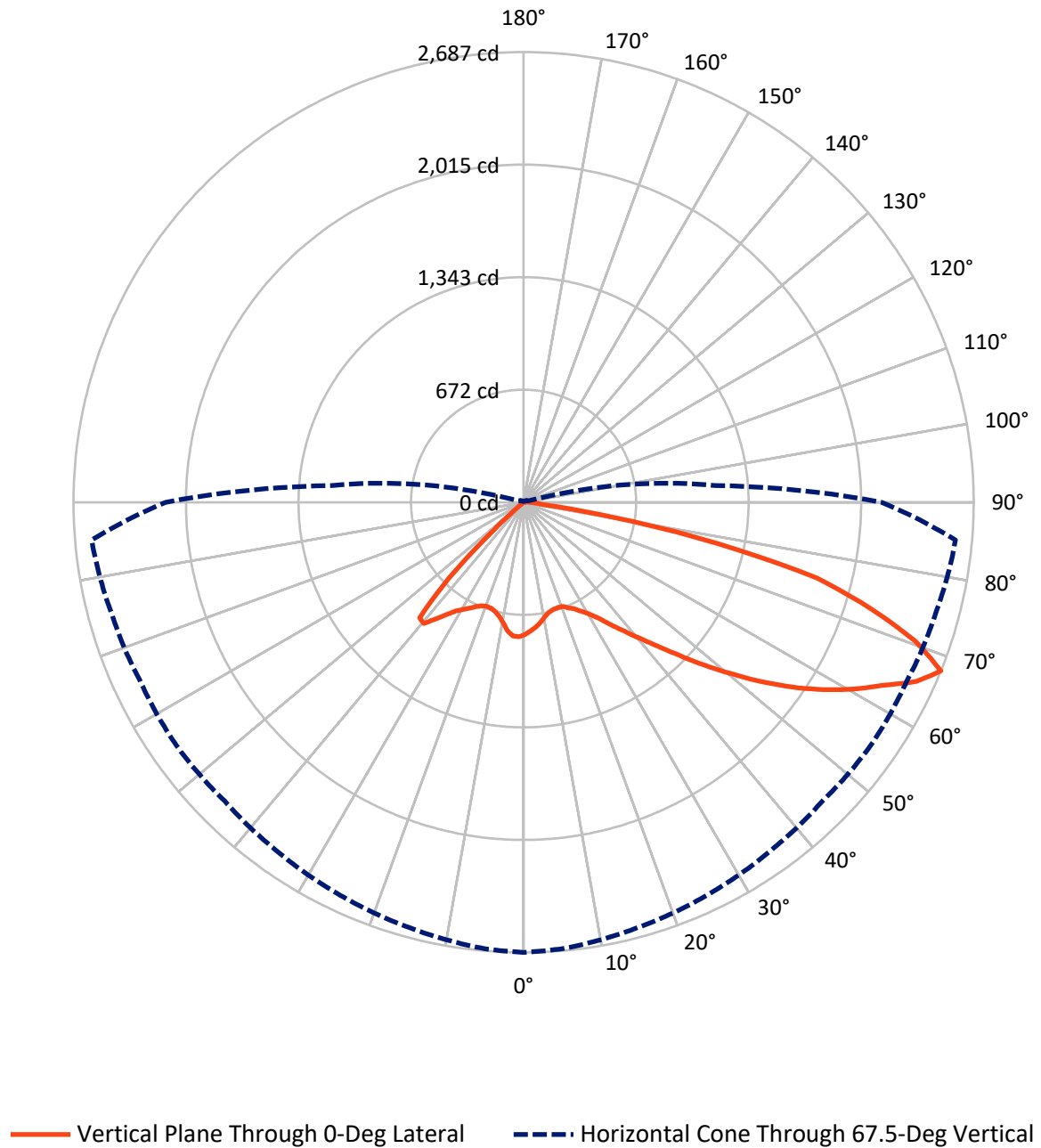


Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



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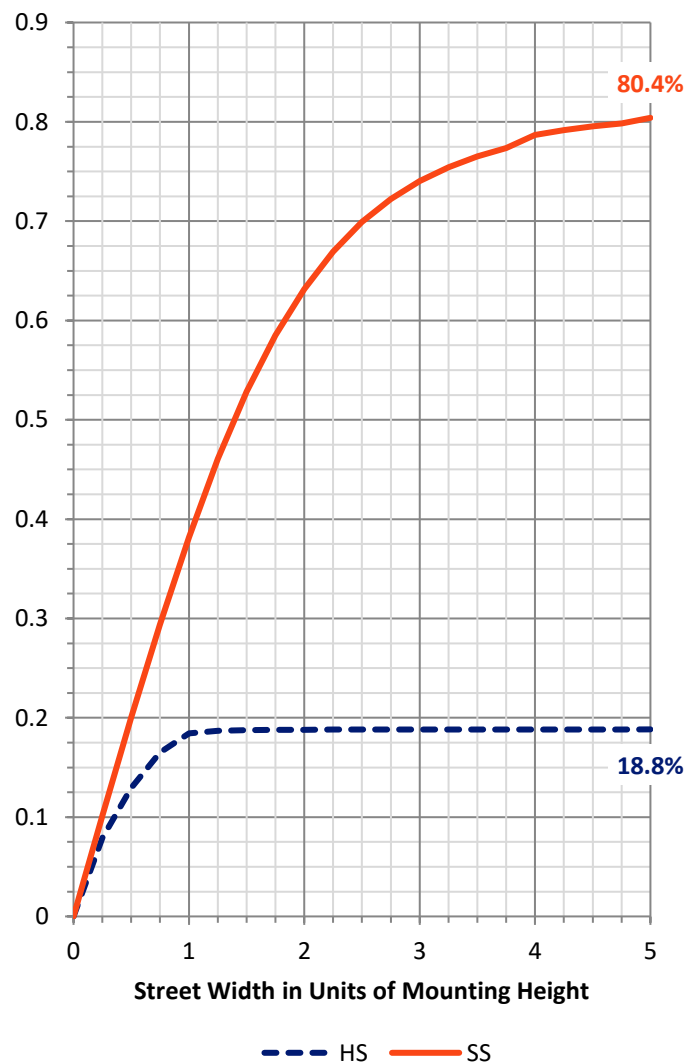
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	958.8	1.8	960.6
	% Fixture	18.9	0.0	19.0
Street Side	Lumens	4090.9	11.5	4102.4
	% Fixture	80.8	0.2	81.0
Total	Lumens	5049.7	13.3	5063.0
	% Fixture	99.7	0.3	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.6	1.4
10°-20°	185.8	3.7
20°-30°	318.7	6.3
30°-40°	538.9	10.6
40°-50°	719.1	14.2
50°-60°	913.1	18.0
60°-70°	1278.6	25.3
70°-80°	926.1	18.3
80°-90°	98.7	1.9
90°-100°	11.1	0.2
100°-110°	1.1	0.0
110°-120°	0.4	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°	0.1	0.0
170°-180°	0.1	0.0
0°-90°	5049.7	99.7
0°-180°	5063.0	100.0

Coefficient of Utilization



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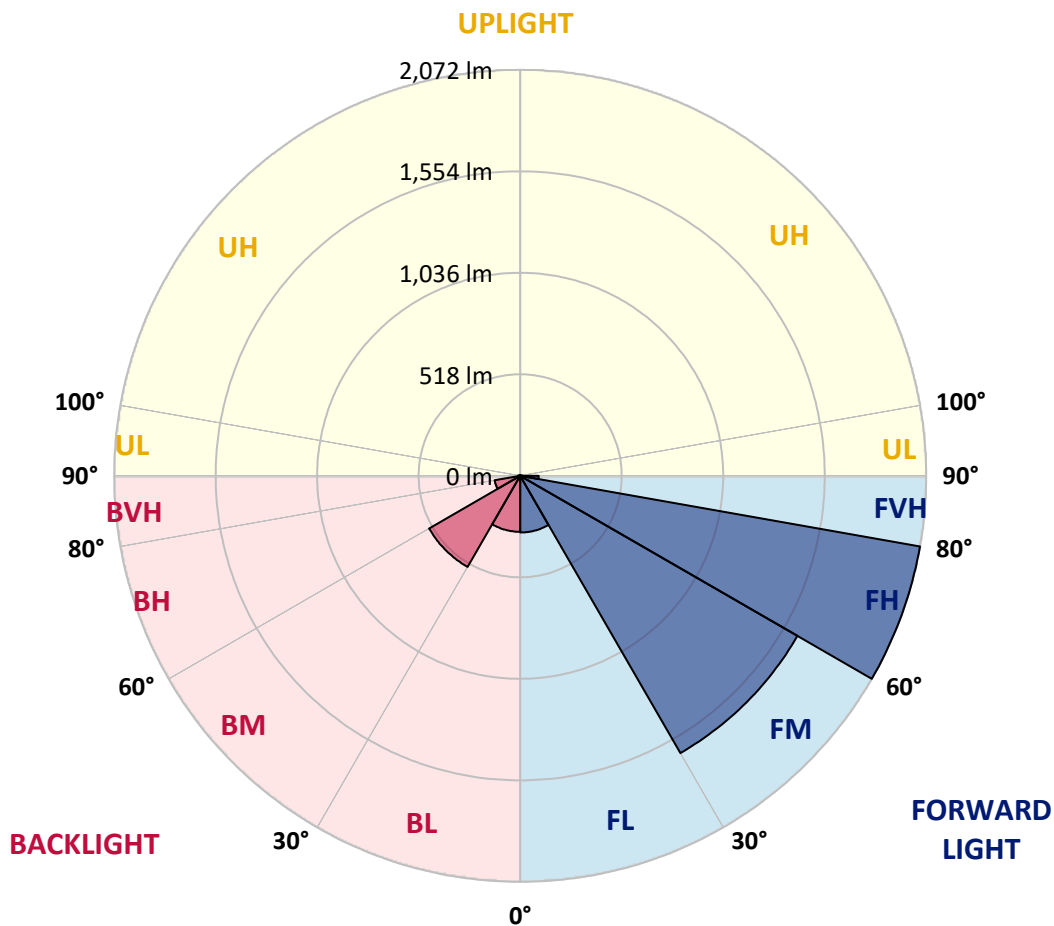
CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-U0-DS-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	289.4	5.7			
FM	(30°-60°)	1634.2	32.3			
FH	(60°-80°)	2072.3	40.9			G2/5000
FVH	(80°-90°)	95.0	1.9			G1/100
BL	(0°-30°)	285.8	5.6	B1/500		
BM	(30°-60°)	536.9	10.6	B1/1000		
BH	(60°-80°)	132.4	2.6	B1/500		G1/500
BVH	(80°-90°)	3.7	0.1			G0/10
UL	(90°-100°)	11.1	0.2		U2/50	
UH	(100°-180°)	2.2	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°	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0
2.5°	769.8	772.3	772.3	772.3	774.8	772.3	772.3	772.3	772.3	774.8	774.8
5°	749.5	749.5	749.5	752.0	752.0	749.5	747.0	749.5	749.5	752.0	752.0
7.5°	724.2	724.2	724.2	726.7	724.2	719.1	714.0	716.6	714.0	716.6	719.1
10°	693.8	696.3	696.3	693.8	691.3	683.7	676.1	678.6	676.1	678.6	678.6
12.5°	673.5	676.1	676.1	673.5	665.9	660.9	655.8	650.7	648.2	653.3	650.7
15°	663.4	665.9	665.9	663.4	658.3	653.3	643.1	640.6	635.6	633.0	635.6
17.5°	660.9	660.9	660.9	658.3	653.3	645.7	640.6	635.6	633.0	633.0	630.5
20°	663.4	668.5	665.9	663.4	658.3	653.3	645.7	638.1	638.1	638.1	635.6
22.5°	683.7	683.7	681.1	681.1	676.1	668.5	660.9	655.8	650.7	650.7	650.7
25°	703.9	706.4	706.4	703.9	696.3	686.2	683.7	676.1	673.5	671.0	668.5
27.5°	736.8	734.3	736.8	736.8	726.7	721.6	714.0	709.0	706.4	701.4	698.9
30°	774.8	774.8	774.8	774.8	767.2	757.1	752.0	744.4	736.8	736.8	731.8
32.5°	825.5	828.0	828.0	825.5	817.9	807.7	802.7	792.5	790.0	784.9	779.9
35°	896.4	896.4	896.4	891.3	881.2	873.6	868.5	860.9	858.4	850.8	838.1
37.5°	974.8	974.8	979.9	974.8	964.7	954.6	947.0	941.9	934.3	929.3	921.7
40°	1066.0	1066.0	1068.5	1060.9	1050.8	1045.7	1038.1	1028.0	1023.0	1020.4	1005.2
42.5°	1172.3	1177.4	1177.4	1169.8	1162.2	1154.6	1144.5	1136.9	1131.8	1121.7	1101.5
45°	1301.5	1299.0	1304.0	1296.4	1291.4	1288.8	1273.6	1255.9	1258.4	1235.7	1212.9
47.5°	1453.4	1455.9	1453.4	1445.8	1440.7	1438.2	1423.0	1400.2	1390.1	1372.4	1329.3
50°	1607.9	1610.4	1607.9	1602.8	1607.9	1592.7	1574.9	1554.7	1552.2	1529.4	1463.5
52.5°	1777.5	1769.9	1767.4	1764.9	1759.8	1752.2	1734.5	1711.7	1714.2	1688.9	1585.1
55°	1947.2	1939.6	1926.9	1921.8	1916.8	1904.1	1888.9	1881.3	1878.8	1853.5	1714.2
57.5°	2109.2	2096.6	2078.8	2076.3	2068.7	2051.0	2043.4	2030.7	2030.7	2002.9	1807.9
60°	2263.7	2248.5	2228.2	2218.1	2205.4	2190.2	2187.7	2180.1	2182.6	2167.5	1909.2
62.5°	2405.5	2392.8	2367.5	2352.3	2332.0	2319.4	2321.9	2316.8	2327.0	2316.8	1997.8
65°	2577.7	2562.5	2532.1	2499.2	2471.3	2451.0	2443.5	2458.6	2501.7	2511.8	2116.8
67.5°	2686.5	2673.9	2628.3	2587.8	2549.8	2521.9	2529.5	2524.5	2547.3	2587.8	2137.1
70°	2481.4	2476.4	2430.8	2405.5	2377.6	2349.8	2352.3	2344.7	2362.4	2372.6	1959.8
72.5°	2164.9	2190.2	2132.0	2129.5	2111.7	2114.3	2086.4	2106.7	2094.0	2094.0	1734.5
75°	1810.4	1757.3	1739.5	1782.6	1757.3	1759.8	1754.7	1777.5	1775.0	1777.5	1509.1
77.5°	1187.5	1197.7	1174.9	1220.5	1243.2	1281.2	1299.0	1359.7	1336.9	1331.9	1195.1
80°	531.7	544.4	546.9	590.0	617.8	655.8	643.1	686.2	658.3	612.8	584.9
82.5°	119.0	119.0	134.2	172.2	182.3	189.9	189.9	197.5	157.0	96.2	78.5
85°	81.0	78.5	106.3	144.3	151.9	146.9	141.8	131.7	91.2	27.9	22.8
87.5°	53.2	55.7	86.1	119.0	124.1	116.5	108.9	98.8	65.8	7.6	5.1
90°	35.4	40.5	65.8	91.2	91.2	86.1	78.5	65.8	40.5	2.5	2.5
92.5°	17.7	20.3	32.9	40.5	38.0	32.9	30.4	25.3	15.2	2.5	2.5
95°	10.1	10.1	15.2	15.2	15.2	12.7	12.7	10.1	5.1	2.5	2.5
97.5°	7.6	7.6	10.1	10.1	7.6	7.6	7.6	5.1	2.5	2.5	2.5
100°	5.1	5.1	5.1	5.1	5.1	5.1	5.1	2.5	2.5	2.5	2.5
102.5°	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
105°	0.0	0.0	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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-C01-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	2.5
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5
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	2.5
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	2.5
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	2.5	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	2.5
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5
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	2.5	0.0	2.5	2.5
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	2.5	2.5	0.0	2.5	2.5
175°	0.0	0.0	0.0	0.0	0.0	2.5	2.5	2.5	2.5	2.5	2.5
177.5°	0.0	0.0	0.0	0.0	0.0	2.5	0.0	2.5	2.5	2.5	2.5
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°	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0	790.0
2.5°	777.3	779.9	782.4	787.5	787.5	795.1	797.6	800.1	802.7	802.7
5°	757.1	759.6	767.2	772.3	779.9	784.9	792.5	795.1	797.6	800.1
7.5°	719.1	724.2	731.8	734.3	744.4	752.0	759.6	767.2	769.8	774.8
10°	681.1	683.7	686.2	693.8	698.9	709.0	719.1	724.2	729.2	729.2
12.5°	653.3	655.8	658.3	660.9	668.5	673.5	683.7	688.7	691.3	696.3
15°	635.6	635.6	640.6	640.6	645.7	653.3	658.3	665.9	668.5	673.5
17.5°	630.5	630.5	633.0	635.6	640.6	643.1	648.2	655.8	658.3	660.9
20°	633.0	635.6	635.6	638.1	643.1	645.7	650.7	653.3	655.8	658.3
22.5°	645.7	643.1	645.7	645.7	648.2	653.3	658.3	663.4	665.9	665.9
25°	663.4	660.9	660.9	665.9	668.5	671.0	678.6	681.1	683.7	683.7
27.5°	693.8	691.3	693.8	693.8	696.3	696.3	703.9	703.9	706.4	709.0
30°	724.2	716.6	716.6	716.6	719.1	724.2	726.7	731.8	734.3	734.3
32.5°	769.8	754.6	752.0	754.6	754.6	757.1	764.7	762.2	767.2	764.7
35°	828.0	812.8	807.7	807.7	807.7	807.7	815.3	810.3	815.3	812.8
37.5°	898.9	878.6	876.1	876.1	871.0	873.6	876.1	871.0	868.5	871.0
40°	974.8	939.4	936.9	939.4	939.4	939.4	939.4	936.9	934.3	936.9
42.5°	939.4	797.6	815.3	840.6	866.0	896.4	904.0	924.2	926.7	926.7
45°	820.4	460.8	486.2	524.1	539.3	549.5	577.3	620.4	633.0	635.6
47.5°	724.2	154.5	164.6	179.8	205.1	217.8	220.3	250.7	263.3	238.0
50°	716.6	35.4	25.3	25.3	27.9	22.8	22.8	25.3	25.3	25.3
52.5°	782.4	32.9	22.8	20.3	20.3	20.3	17.7	20.3	20.3	20.3
55°	850.8	32.9	22.8	20.3	20.3	20.3	17.7	17.7	17.7	17.7
57.5°	906.5	32.9	22.8	20.3	20.3	17.7	15.2	15.2	15.2	15.2
60°	972.3	32.9	22.8	20.3	20.3	15.2	12.7	12.7	12.7	12.7
62.5°	1028.0	35.4	22.8	20.3	17.7	12.7	12.7	12.7	12.7	12.7
65°	1109.0	35.4	22.8	17.7	12.7	10.1	10.1	10.1	10.1	10.1
67.5°	1147.0	35.4	20.3	15.2	10.1	7.6	7.6	7.6	7.6	7.6
70°	1033.1	27.9	15.2	10.1	7.6	7.6	7.6	7.6	7.6	7.6
72.5°	883.7	20.3	10.1	7.6	5.1	5.1	5.1	5.1	5.1	2.5
75°	703.9	12.7	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
77.5°	493.8	10.1	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0
80°	205.1	7.6	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	30.4	5.1	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
85°	10.1	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
90°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
92.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
95°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
97.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100°	2.5	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0
102.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
105°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01-D-U-T5R-8027-U0-DS-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
115°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
120°	0.0	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
122.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
125°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
127.5°	2.5	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0
130°	0.0	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
132.5°	2.5	2.5	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°	2.5	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	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.5	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°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.5	2.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.5	2.5	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)