

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: P690868

Luminaire Tested: **CRTK2-C01-5TLD-U-T3-7040-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P690868
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-10)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01-5TLD-U-T3-7040-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8052 lumens
Efficiency: N/A
Efficacy: 134.2 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.08')
IES Classification: Type III - Medium
BUG Rating: B1 - U3 - G2

Input Watts (W): 60
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



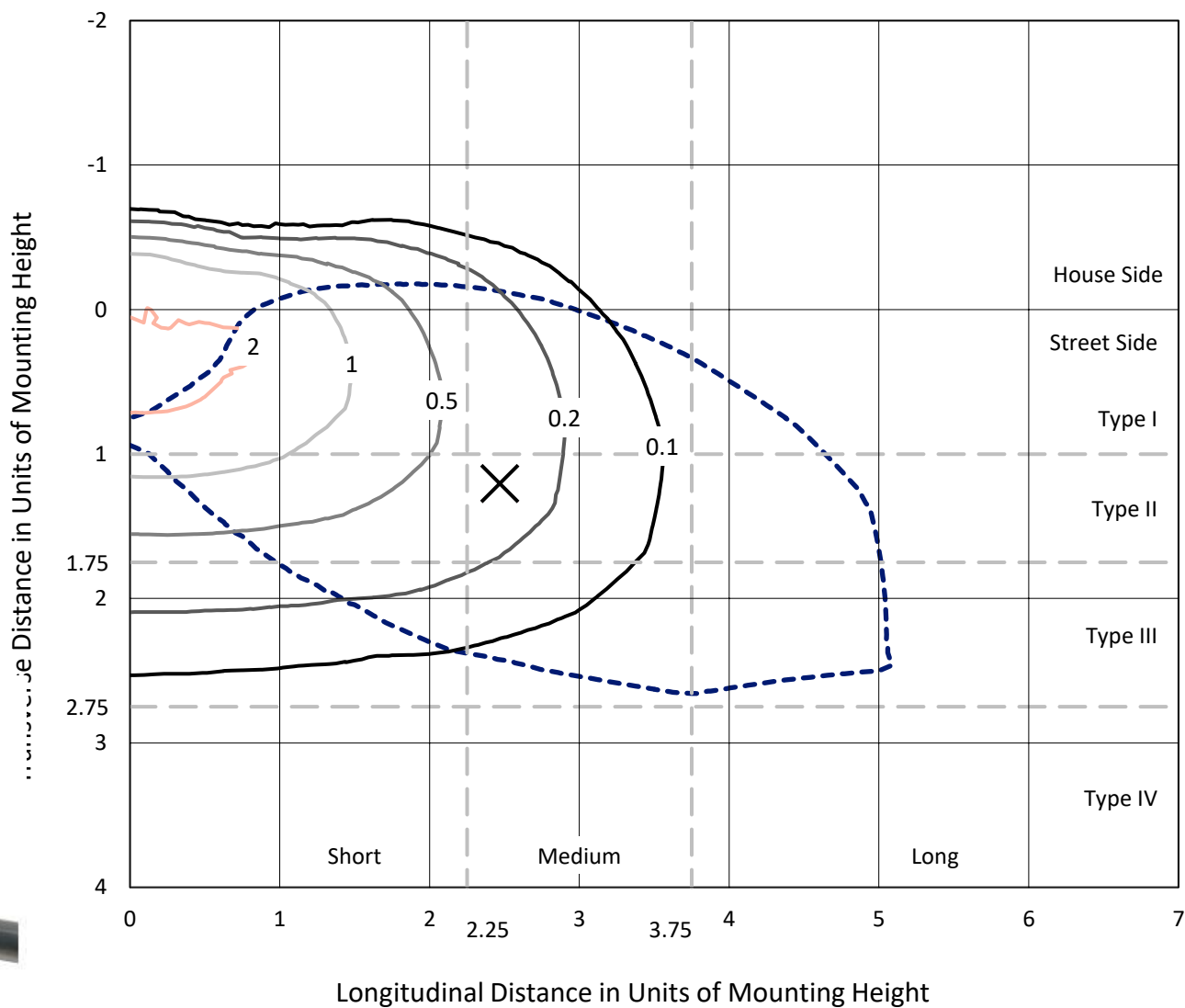
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

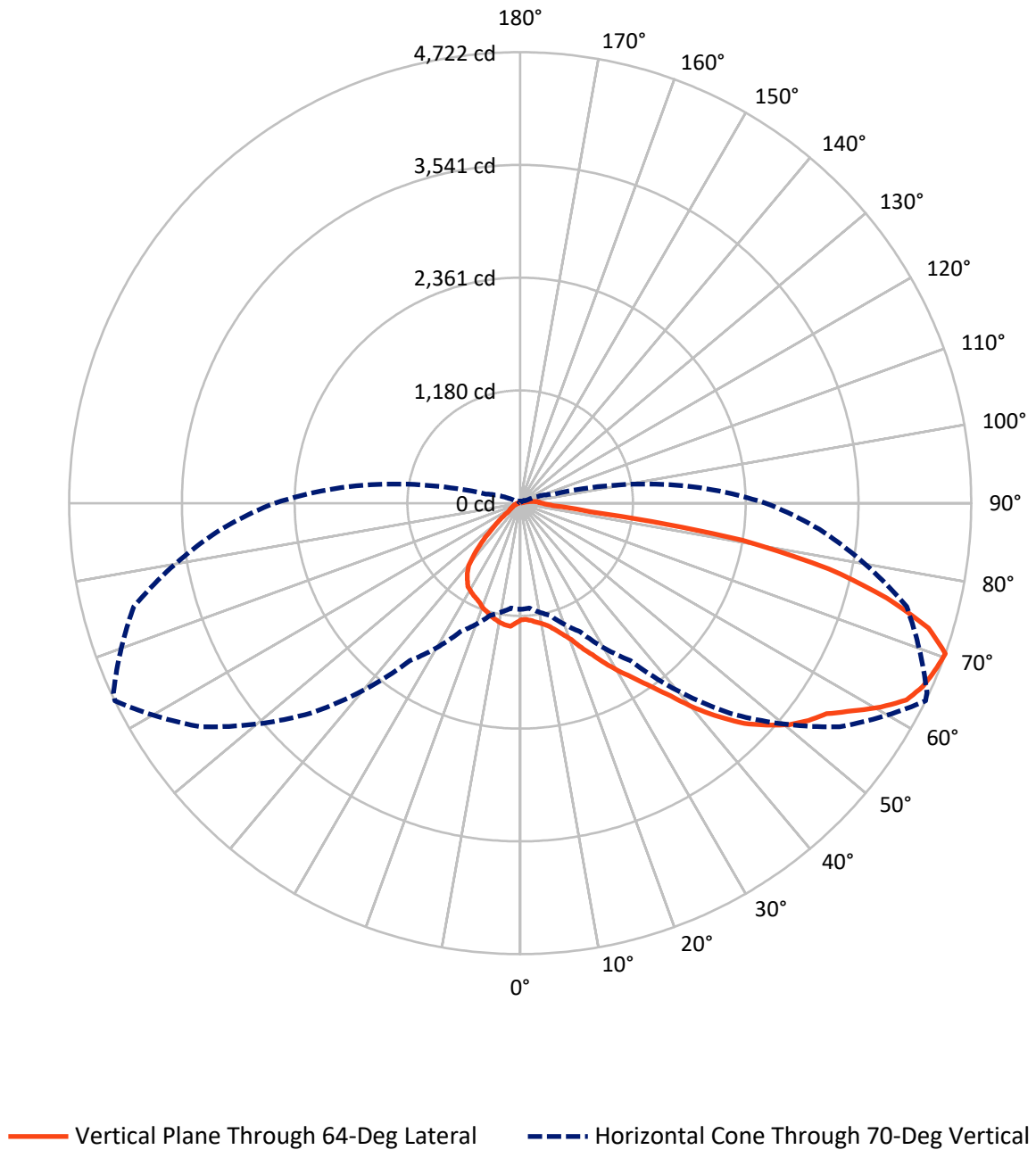


Based on 25 foot mounting height. Maximum calculated value = 2.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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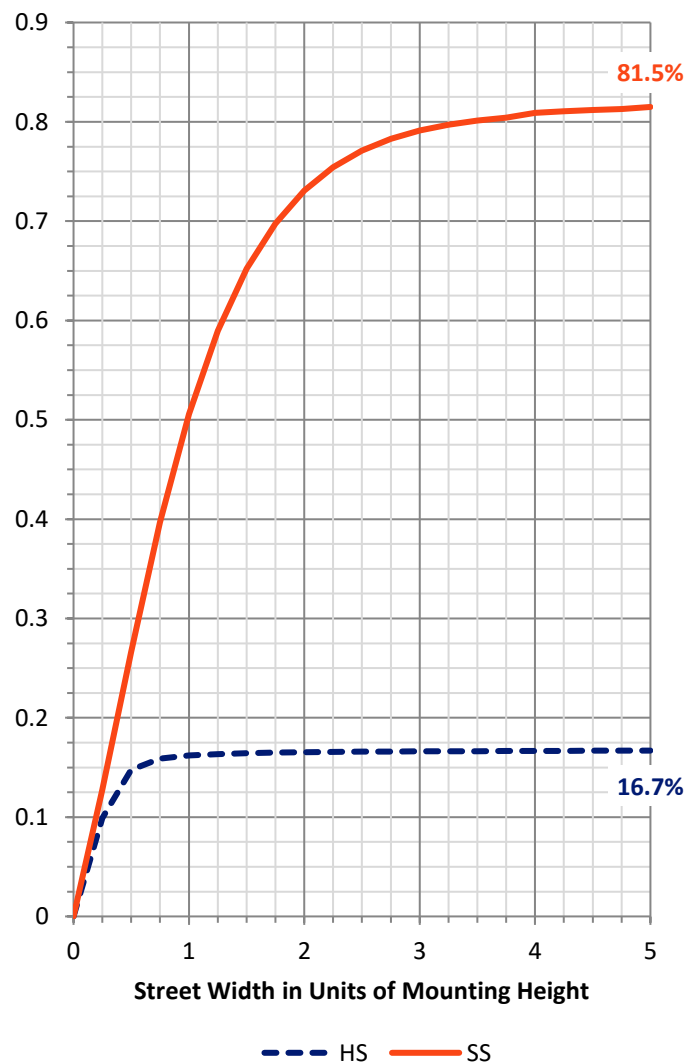
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1365.6	16.6	1382.2
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6601.9	67.9	6669.8
	% Fixture	82.0	0.8	82.8
Total	Lumens	7967.5	84.5	8052.0
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.1	1.5
10°-20°	371.1	4.6
20°-30°	641.5	8.0
30°-40°	951.9	11.8
40°-50°	1307.6	16.2
50°-60°	1588.0	19.7
60°-70°	1687.1	21.0
70°-80°	1114.6	13.8
80°-90°	184.6	2.3
90°-100°	68.8	0.9
100°-110°	11.6	0.1
110°-120°	0.9	0.0
120°-130°	0.9	0.0
130°-140°	0.9	0.0
140°-150°	0.7	0.0
150°-160°	0.4	0.0
160°-170°	0.2	0.0
170°-180°	0.1	0.0
0°-90°	7967.5	99.0
0°-180°	8052.0	100.0

Coefficient of Utilization



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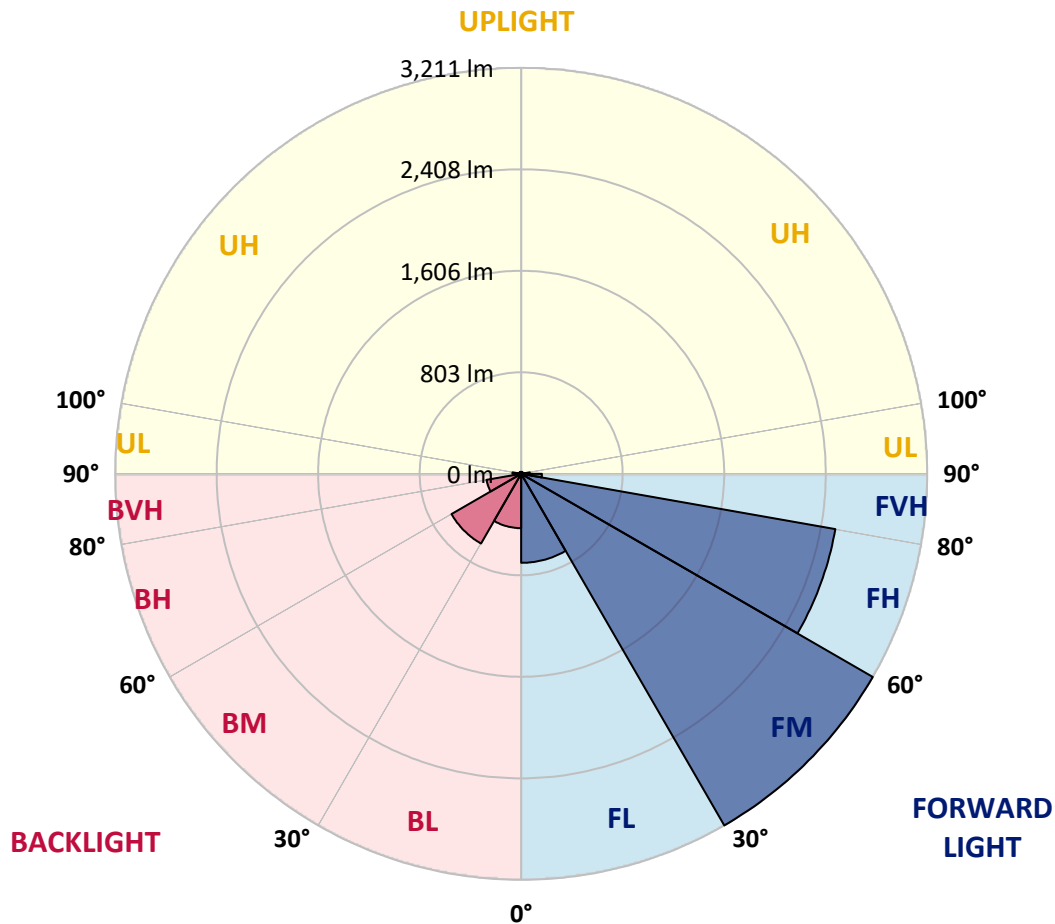
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	703.8	8.7			
FM	(30°-60°)	3211.0	39.9			
FH	(60°-80°)	2523.2	31.3			G2/5000
FVH	(80°-90°)	163.8	2.0			G2/225
BL	(0°-30°)	429.9	5.3	B1/500		
BM	(30°-60°)	636.5	7.9	B1/1000		
BH	(60°-80°)	278.5	3.5	B1/500		G1/500
BVH	(80°-90°)	20.7	0.3			G1/100
UL	(90°-100°)	68.8	0.9		U3/500	
UH	(100°-180°)	15.7	0.2		U2/50	

BUG Rating: B1-U3-G2

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4
2.5°	1230.1	1227.2	1230.1	1227.2	1224.3	1221.4	1218.6	1218.6	1215.7	1218.6	1221.4
5°	1284.8	1287.7	1281.9	1270.4	1256.0	1244.5	1238.7	1235.9	1235.9	1238.7	1250.3
7.5°	1325.2	1322.3	1319.4	1316.5	1305.0	1279.1	1264.7	1258.9	1258.9	1253.1	1273.3
10°	1397.2	1391.4	1377.0	1359.7	1348.2	1319.4	1293.5	1284.8	1281.9	1284.8	1302.1
12.5°	1475.0	1469.2	1466.3	1449.0	1408.7	1382.8	1339.6	1319.4	1319.4	1319.4	1328.0
15°	1587.3	1578.7	1549.9	1529.7	1495.1	1451.9	1402.9	1374.1	1374.1	1379.9	1356.8
17.5°	1668.0	1662.2	1659.3	1624.8	1595.9	1529.7	1492.2	1443.3	1443.3	1454.8	1405.8
20°	1751.5	1745.7	1748.6	1742.9	1699.7	1647.8	1581.5	1523.9	1523.9	1526.8	1457.7
22.5°	1863.9	1855.2	1855.2	1852.3	1829.3	1768.8	1691.0	1642.0	1633.4	1610.4	1523.9
25°	1976.2	1973.3	1967.6	1970.4	1964.7	1895.5	1812.0	1757.3	1757.3	1725.6	1613.2
27.5°	2088.6	2088.6	2085.7	2088.6	2085.7	2042.5	1958.9	1901.3	1904.2	1863.9	1711.2
30°	2169.2	2166.3	2186.5	2195.1	2200.9	2183.6	2103.0	2039.6	2045.3	2005.0	1826.4
32.5°	2244.1	2241.2	2275.8	2296.0	2301.7	2298.9	2232.6	2180.7	2195.1	2157.7	1964.7
35°	2313.3	2310.4	2356.5	2408.3	2431.4	2425.6	2382.4	2353.6	2368.0	2365.1	2151.9
37.5°	2365.1	2373.8	2434.3	2506.3	2546.6	2549.5	2529.3	2561.0	2578.3	2635.9	2385.3
40°	2425.6	2425.6	2483.2	2561.0	2633.0	2661.8	2679.1	2823.2	2840.4	2852.0	2540.8
42.5°	2362.2	2379.5	2503.4	2618.6	2710.8	2777.1	2872.1	3059.4	3096.8	3010.4	2731.0
45°	2313.3	2327.7	2454.4	2647.4	2779.9	2903.8	3082.4	3289.8	3318.6	3168.8	2831.8
47.5°	2261.4	2284.5	2414.1	2627.3	2846.2	3059.4	3258.2	3471.3	3497.3	3304.2	2973.0
50°	2200.9	2226.8	2365.1	2598.5	2880.8	3206.3	3416.6	3647.1	3649.9	3422.4	3050.7
52.5°	2143.3	2160.6	2304.6	2561.0	2909.6	3318.6	3566.4	3779.6	3762.3	3572.2	3134.3
55°	2045.3	2079.9	2232.6	2509.2	2924.0	3382.0	3670.1	3891.9	3903.4	3733.5	3246.6
57.5°	1956.0	1979.1	2140.4	2434.3	2912.5	3419.5	3770.9	4102.2	4125.3	3877.5	3327.3
60°	1843.7	1858.1	2013.7	2330.5	2837.6	3482.9	3995.6	4335.6	4361.5	4015.8	3359.0
62.5°	1702.5	1702.5	1858.1	2192.3	2742.5	3528.9	4151.2	4537.2	4537.2	4125.3	3370.5
65°	1521.0	1529.7	1668.0	2005.0	2584.1	3503.0	4197.3	4632.3	4640.9	4203.0	3364.7
67.5°	1345.3	1342.4	1463.4	1760.2	2344.9	3367.6	4162.7	4681.3	4715.8	4249.1	3289.8
70°	1112.0	1103.3	1215.7	1483.6	2010.8	3111.2	4082.1	4721.6	4698.5	4188.6	3142.9
72.5°	855.6	846.9	930.5	1135.0	1584.4	2670.5	3845.8	4468.1	4427.7	3860.2	2840.4
75°	607.8	596.3	662.6	798.0	1042.8	1953.2	3298.5	3963.9	3917.8	3471.3	2370.9
77.5°	345.7	334.2	394.7	504.1	630.9	1106.2	2497.6	3304.2	3367.6	2863.5	1812.0
80°	152.7	146.9	172.8	242.0	354.3	527.2	1359.7	2362.2	2275.8	1953.2	1031.3
82.5°	129.6	129.6	132.5	138.3	144.0	242.0	509.9	743.2	711.6	573.3	328.4
85°	112.4	109.5	115.2	121.0	123.9	158.4	296.7	357.2	351.5	316.9	227.6
87.5°	92.2	86.4	95.1	100.8	100.8	129.6	221.8	262.2	262.2	265.0	201.7
90°	80.7	80.7	74.9	74.9	77.8	92.2	170.0	216.1	221.8	273.7	233.3
92.5°	69.1	69.1	69.1	69.1	57.6	66.3	121.0	193.0	207.4	267.9	210.3
95°	66.3	63.4	66.3	60.5	57.6	60.5	92.2	170.0	187.3	236.2	184.4
97.5°	46.1	43.2	49.0	49.0	51.9	54.7	77.8	126.8	132.5	175.7	138.3
100°	31.7	28.8	28.8	28.8	37.5	37.5	63.4	77.8	80.7	112.4	92.2
102.5°	17.3	14.4	14.4	14.4	20.2	23.0	31.7	43.2	43.2	60.5	51.9
105°	5.8	5.8	8.6	8.6	8.6	11.5	11.5	14.4	14.4	17.3	23.0
107.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
110°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9

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CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
112.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
115°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
117.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
120°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
122.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
125°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
127.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
130°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
132.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
135°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
137.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
140°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
142.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
145°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
147.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
152.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
155°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
157.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
160°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9	2.9
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
177.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.9
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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4	1221.4
2.5°	1224.3	1230.1	1244.5	1253.1	1264.7	1276.2	1284.8	1284.8	1293.5	1287.7	1284.8
5°	1261.8	1264.7	1281.9	1293.5	1290.6	1279.1	1270.4	1264.7	1267.5	1273.3	1273.3
7.5°	1287.7	1299.2	1284.8	1284.8	1281.9	1267.5	1250.3	1233.0	1224.3	1221.4	1221.4
10°	1302.1	1290.6	1284.8	1270.4	1238.7	1230.1	1215.7	1184.0	1175.4	1175.4	1163.8
12.5°	1310.8	1305.0	1273.3	1247.4	1218.6	1172.5	1140.8	1135.0	1109.1	1106.2	1109.1
15°	1345.3	1316.5	1276.2	1227.2	1172.5	1132.1	1088.9	1042.8	1022.7	1025.6	1028.4
17.5°	1368.4	1342.4	1270.4	1192.6	1143.7	1068.8	1019.8	993.9	962.2	962.2	962.2
20°	1405.8	1362.6	1261.8	1178.2	1063.0	1008.3	950.7	921.8	890.2	835.4	829.7
22.5°	1454.8	1400.1	1258.9	1135.0	1031.3	942.0	858.5	769.2	723.1	691.4	682.7
25°	1515.3	1451.9	1279.1	1114.9	970.8	861.4	754.8	633.8	547.3	530.1	530.1
27.5°	1619.0	1518.2	1305.0	1094.7	936.3	772.0	605.0	498.4	423.5	400.4	397.5
30°	1719.8	1601.7	1313.6	1074.5	870.0	651.1	466.7	354.3	288.1	259.3	253.5
32.5°	1878.3	1716.9	1388.5	1057.2	795.1	524.3	331.3	224.7	170.0	152.7	149.8
35°	2039.6	1872.5	1414.5	1011.2	659.7	383.1	190.1	121.0	92.2	77.8	74.9
37.5°	2247.0	2068.4	1492.2	962.2	524.3	218.9	106.6	66.3	57.6	57.6	57.6
40°	2368.0	2154.8	1561.4	898.8	360.1	112.4	63.4	51.9	51.9	49.0	49.0
42.5°	2523.6	2261.4	1621.9	774.9	190.1	69.1	54.7	49.0	43.2	43.2	43.2
45°	2612.9	2330.5	1601.7	622.2	89.3	63.4	51.9	43.2	40.3	40.3	40.3
47.5°	2722.3	2417.0	1558.5	460.9	77.8	57.6	49.0	40.3	37.5	40.3	40.3
50°	2831.8	2503.4	1449.0	354.3	72.0	54.7	43.2	34.6	34.6	37.5	37.5
52.5°	2886.5	2563.9	1319.4	244.9	72.0	51.9	40.3	34.6	31.7	31.7	31.7
55°	2949.9	2578.3	1209.9	161.3	69.1	49.0	37.5	28.8	28.8	25.9	25.9
57.5°	2984.5	2540.8	1129.3	135.4	66.3	46.1	34.6	25.9	23.0	20.2	20.2
60°	2970.1	2486.1	1060.1	118.1	60.5	43.2	31.7	23.0	17.3	14.4	14.4
62.5°	2941.3	2440.0	933.4	103.7	57.6	37.5	25.9	20.2	14.4	11.5	11.5
65°	2909.6	2316.1	786.5	89.3	51.9	34.6	23.0	17.3	11.5	8.6	8.6
67.5°	2762.7	2151.9	576.2	80.7	49.0	31.7	20.2	14.4	11.5	8.6	8.6
70°	2569.6	1878.3	371.6	69.1	43.2	28.8	20.2	11.5	8.6	5.8	5.8
72.5°	2186.5	1532.6	187.3	60.5	40.3	28.8	17.3	11.5	8.6	5.8	2.9
75°	1786.1	1143.7	121.0	51.9	37.5	28.8	17.3	11.5	5.8	2.9	2.9
77.5°	1279.1	619.4	92.2	46.1	31.7	28.8	14.4	8.6	5.8	5.8	2.9
80°	532.9	224.7	74.9	37.5	28.8	25.9	14.4	8.6	5.8	5.8	2.9
82.5°	224.7	155.6	66.3	31.7	25.9	25.9	11.5	8.6	5.8	5.8	5.8
85°	175.7	129.6	57.6	28.8	23.0	28.8	11.5	8.6	8.6	8.6	8.6
87.5°	164.2	132.5	51.9	25.9	23.0	20.2	11.5	8.6	14.4	14.4	17.3
90°	184.4	138.3	40.3	23.0	20.2	17.3	8.6	5.8	5.8	0.0	0.0
92.5°	170.0	126.8	28.8	17.3	25.9	11.5	5.8	0.0	0.0	0.0	0.0
95°	146.9	106.6	17.3	11.5	28.8	14.4	2.9	0.0	0.0	0.0	0.0
97.5°	109.5	77.8	11.5	5.8	23.0	17.3	2.9	0.0	0.0	0.0	0.0
100°	77.8	49.0	8.6	5.8	14.4	17.3	2.9	0.0	0.0	0.0	0.0
102.5°	43.2	25.9	5.8	2.9	5.8	5.8	0.0	0.0	0.0	0.0	0.0
105°	20.2	8.6	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
107.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
110°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0

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CATALOG NUMBER: CRTK2-C01-5TLD-U-T3-7040-HSS-CRTK2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
112.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
115°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
117.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
120°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
122.5°	2.9	2.9	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	2.9	0.0	0.0	0.0	0.0	0.0
127.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
130°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
132.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
135°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
137.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
140°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
142.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
145°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
147.5°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
150°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
152.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
155°	2.9	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0
157.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
160°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
162.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
165°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
170°	2.9	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	2.9	2.9	2.9	2.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	2.9	2.9	2.9	2.9	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

(END OF REPORT)