

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: P691804

Luminaire Tested: **CRTK2-C01H-5TLD-U-T3-8027-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691804
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-C01H-5TLD-U-T3-8027-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K LED WITH TYPE III OPTIC AND HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8207.9 lumens
Efficiency: N/A
Efficacy: 109.6 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): 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

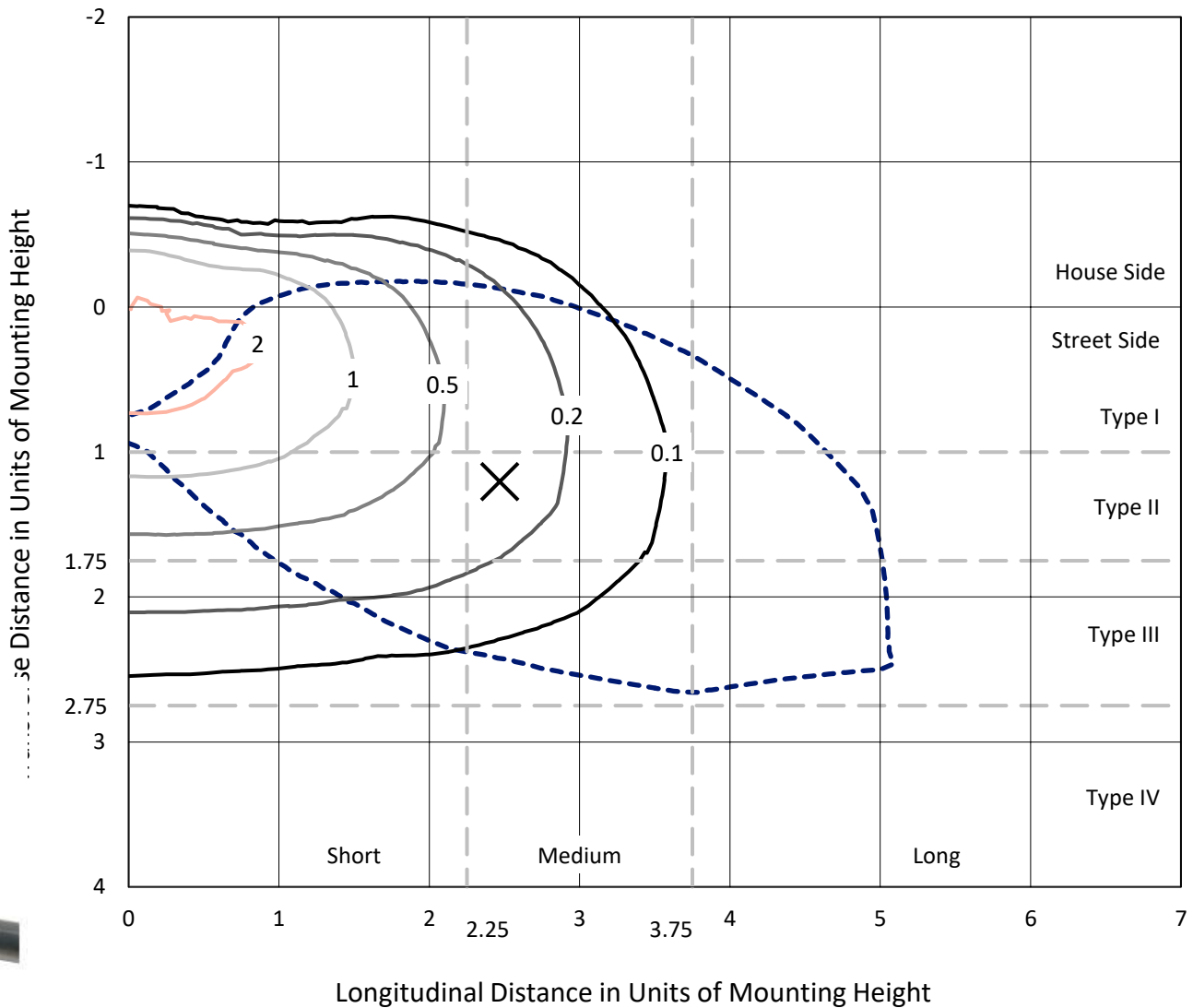


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

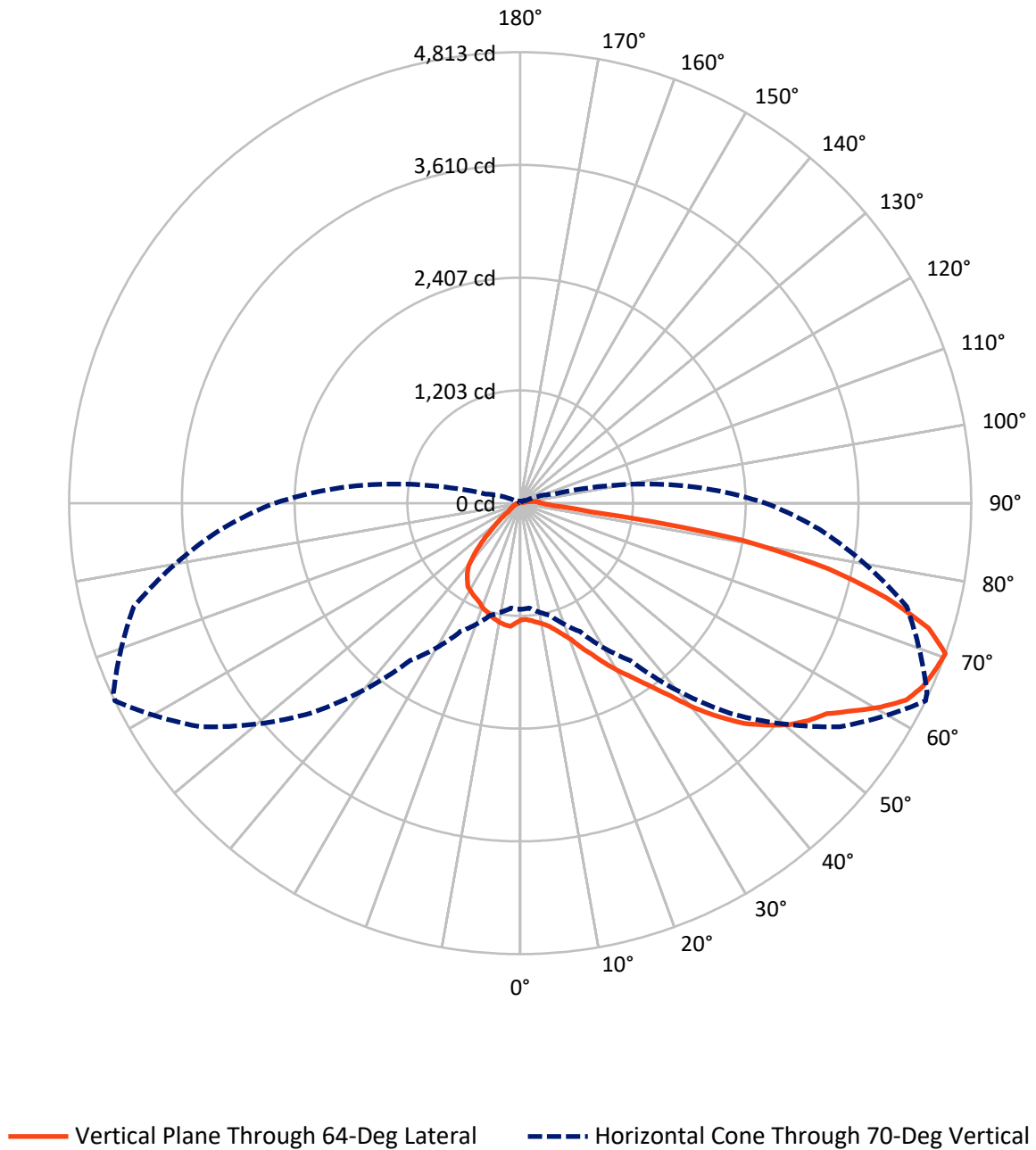


Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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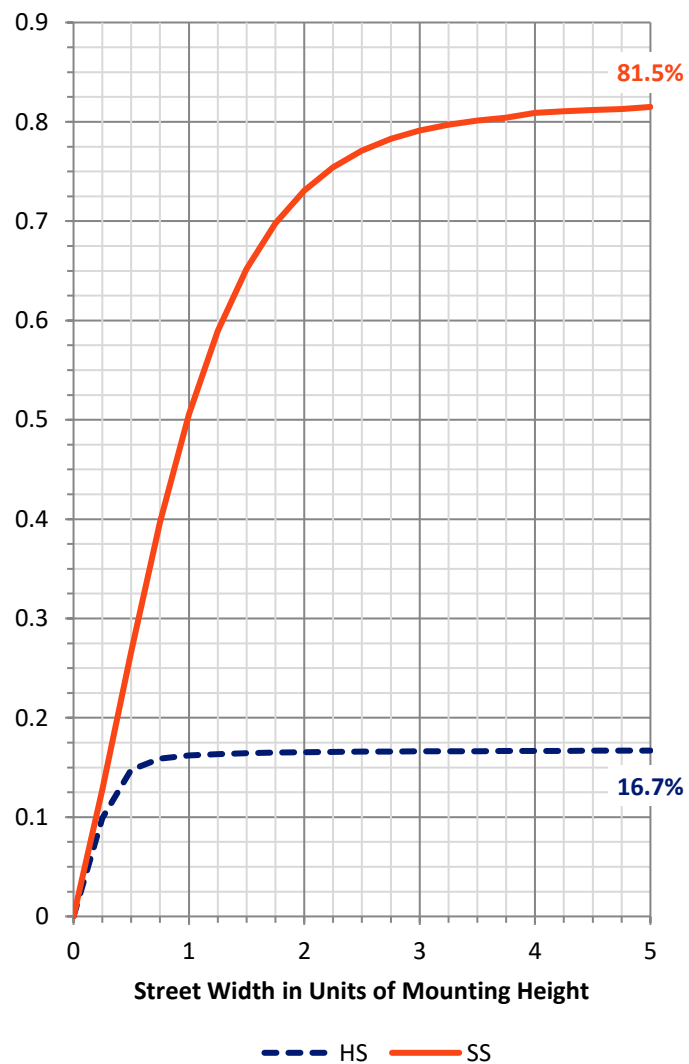
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1392.0	16.9	1408.9
	% Fixture	17.0	0.2	17.2
Street Side	Lumens	6729.8	69.2	6799.0
	% Fixture	82.0	0.8	82.8
Total	Lumens	8121.9	86.1	8207.9
	% Fixture	99.0	1.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	123.4	1.5
10°-20°	378.3	4.6
20°-30°	653.9	8.0
30°-40°	970.4	11.8
40°-50°	1333.0	16.2
50°-60°	1618.8	19.7
60°-70°	1719.8	21.0
70°-80°	1136.2	13.8
80°-90°	188.1	2.3
90°-100°	70.1	0.9
100°-110°	11.8	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°	8121.9	99.0
0°-180°	8207.9	100.0

Coefficient of Utilization



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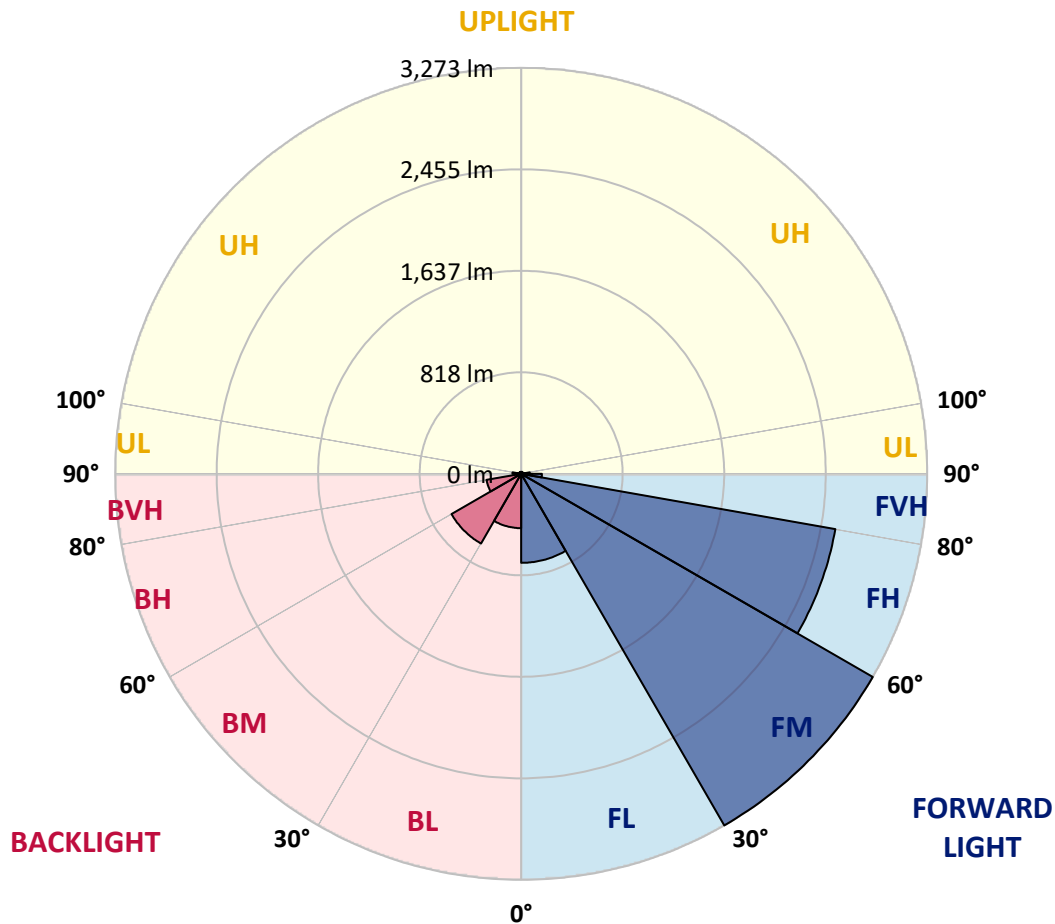
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	717.5	8.7			
FM	(30°-60°)	3273.2	39.9			
FH	(60°-80°)	2572.1	31.3			G2/5000
FVH	(80°-90°)	167.0	2.0			G2/225
BL	(0°-30°)	438.2	5.3	B1/500		
BM	(30°-60°)	648.9	7.9	B1/1000		
BH	(60°-80°)	283.8	3.5	B1/500		G1/500
BVH	(80°-90°)	21.1	0.3			G1/100
UL	(90°-100°)	70.1	0.9		U3/500	
UH	(100°-180°)	16.0	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°	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1
2.5°	1253.9	1251.0	1253.9	1251.0	1248.0	1245.1	1242.2	1242.2	1239.2	1242.2	1245.1
5°	1309.7	1312.7	1306.8	1295.0	1280.4	1268.6	1262.7	1259.8	1259.8	1262.7	1274.5
7.5°	1350.8	1347.9	1345.0	1342.0	1330.3	1303.8	1289.2	1283.3	1283.3	1277.4	1298.0
10°	1424.2	1418.4	1403.7	1386.1	1374.3	1345.0	1318.5	1309.7	1306.8	1309.7	1327.3
12.5°	1503.5	1497.7	1494.7	1477.1	1436.0	1409.6	1365.5	1345.0	1345.0	1345.0	1353.8
15°	1618.1	1609.2	1579.9	1559.3	1524.1	1480.0	1430.1	1400.8	1400.8	1406.6	1383.1
17.5°	1700.3	1694.4	1691.5	1656.2	1626.9	1559.3	1521.1	1471.2	1471.2	1483.0	1433.1
20°	1785.4	1779.6	1782.5	1776.6	1732.6	1679.7	1612.2	1553.5	1553.5	1556.4	1485.9
22.5°	1900.0	1891.2	1891.2	1888.2	1864.7	1803.1	1723.8	1673.9	1665.0	1641.5	1553.5
25°	2014.5	2011.6	2005.7	2008.6	2002.7	1932.3	1847.1	1791.3	1791.3	1759.0	1644.5
27.5°	2129.0	2129.0	2126.1	2129.0	2126.1	2082.0	1996.9	1938.1	1941.1	1900.0	1744.3
30°	2211.2	2208.3	2228.9	2237.7	2243.5	2225.9	2143.7	2079.1	2085.0	2043.9	1861.8
32.5°	2287.6	2284.7	2319.9	2340.5	2346.3	2343.4	2275.9	2223.0	2237.7	2199.5	2002.7
35°	2358.1	2355.1	2402.1	2455.0	2478.5	2472.6	2428.6	2399.2	2413.9	2410.9	2193.6
37.5°	2410.9	2419.7	2481.4	2554.8	2595.9	2598.9	2578.3	2610.6	2628.2	2687.0	2431.5
40°	2472.6	2472.6	2531.3	2610.6	2684.0	2713.4	2731.0	2877.9	2895.5	2907.2	2590.1
42.5°	2408.0	2425.6	2551.9	2669.4	2763.3	2830.9	2927.8	3118.7	3156.8	3068.7	2783.9
45°	2358.1	2372.8	2502.0	2698.7	2833.8	2960.1	3142.1	3353.6	3382.9	3230.2	2886.7
47.5°	2305.2	2328.7	2460.9	2678.2	2901.3	3118.7	3321.3	3538.6	3565.0	3368.3	3030.6
50°	2243.5	2270.0	2410.9	2648.8	2936.6	3268.4	3482.8	3717.7	3720.7	3488.7	3109.8
52.5°	2184.8	2202.4	2349.3	2610.6	2965.9	3382.9	3635.5	3852.8	3835.2	3641.4	3195.0
55°	2085.0	2120.2	2275.9	2557.8	2980.6	3447.5	3741.2	3967.3	3979.1	3805.8	3309.5
57.5°	1993.9	2017.4	2181.9	2481.4	2968.9	3485.7	3844.0	4181.7	4205.2	3952.6	3391.8
60°	1879.4	1894.1	2052.7	2375.7	2892.5	3550.3	4073.0	4419.6	4446.0	4093.6	3424.1
62.5°	1735.5	1735.5	1894.1	2234.7	2795.6	3597.3	4231.6	4625.1	4625.1	4205.2	3435.8
65°	1550.5	1559.3	1700.3	2043.9	2634.1	3570.9	4278.6	4722.0	4730.8	4284.5	3429.9
67.5°	1371.4	1368.4	1491.8	1794.3	2390.4	3432.9	4243.4	4771.9	4807.2	4331.5	3353.6
70°	1133.5	1124.7	1239.2	1512.3	2049.7	3171.5	4161.1	4813.1	4789.6	4269.8	3203.8
72.5°	872.2	863.4	948.5	1157.0	1615.1	2722.2	3920.3	4554.6	4513.5	3935.0	2895.5
75°	619.6	607.9	675.4	813.4	1063.0	1991.0	3362.4	4040.7	3993.8	3538.6	2416.8
77.5°	352.4	340.6	402.3	513.9	643.1	1127.6	2546.0	3368.3	3432.9	2919.0	1847.1
80°	155.6	149.8	176.2	246.7	361.2	537.4	1386.1	2408.0	2319.9	1991.0	1051.3
82.5°	132.1	132.1	135.1	141.0	146.8	246.7	519.8	757.6	725.3	584.4	334.8
85°	114.5	111.6	117.5	123.3	126.3	161.5	302.5	364.1	358.3	323.0	232.0
87.5°	94.0	88.1	96.9	102.8	102.8	132.1	226.1	267.2	267.2	270.2	205.6
90°	82.2	82.2	76.4	76.4	79.3	94.0	173.3	220.2	226.1	279.0	237.9
92.5°	70.5	70.5	70.5	70.5	58.7	67.5	123.3	196.8	211.4	273.1	214.4
95°	67.5	64.6	67.5	61.7	58.7	61.7	94.0	173.3	190.9	240.8	187.9
97.5°	47.0	44.0	49.9	49.9	52.9	55.8	79.3	129.2	135.1	179.1	141.0
100°	32.3	29.4	29.4	29.4	38.2	38.2	64.6	79.3	82.2	114.5	94.0
102.5°	17.6	14.7	14.7	14.7	20.6	23.5	32.3	44.0	44.0	61.7	52.9
105°	5.9	5.9	8.8	8.8	8.8	11.7	11.7	14.7	14.7	17.6	23.5
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°	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1	1245.1
2.5°	1248.0	1253.9	1268.6	1277.4	1289.2	1300.9	1309.7	1309.7	1318.5	1312.7	1309.7
5°	1286.2	1289.2	1306.8	1318.5	1315.6	1303.8	1295.0	1289.2	1292.1	1298.0	1298.0
7.5°	1312.7	1324.4	1309.7	1309.7	1306.8	1292.1	1274.5	1256.9	1248.0	1245.1	1245.1
10°	1327.3	1315.6	1309.7	1295.0	1262.7	1253.9	1239.2	1206.9	1198.1	1198.1	1186.4
12.5°	1336.1	1330.3	1298.0	1271.5	1242.2	1195.2	1162.9	1157.0	1130.6	1127.6	1130.6
15°	1371.4	1342.0	1300.9	1251.0	1195.2	1154.1	1110.0	1063.0	1042.5	1045.4	1048.4
17.5°	1394.9	1368.4	1295.0	1215.7	1165.8	1089.5	1039.6	1013.1	980.8	980.8	980.8
20°	1433.1	1389.0	1286.2	1201.1	1083.6	1027.8	969.1	939.7	907.4	851.6	845.7
22.5°	1483.0	1427.2	1283.3	1157.0	1051.3	960.3	875.1	784.1	737.1	704.8	696.0
25°	1544.6	1480.0	1303.8	1136.5	989.6	878.0	769.4	646.0	558.0	540.3	540.3
27.5°	1650.4	1547.6	1330.3	1115.9	954.4	787.0	616.7	508.0	431.7	408.2	405.2
30°	1753.1	1632.7	1339.1	1095.3	886.8	663.7	475.7	361.2	293.7	264.3	258.4
32.5°	1914.7	1750.2	1415.4	1077.7	810.5	534.5	337.7	229.1	173.3	155.6	152.7
35°	2079.1	1908.8	1441.9	1030.7	672.5	390.6	193.8	123.3	94.0	79.3	76.4
37.5°	2290.5	2108.5	1521.1	980.8	534.5	223.2	108.7	67.5	58.7	58.7	58.7
40°	2413.9	2196.6	1591.6	916.2	367.1	114.5	64.6	52.9	52.9	49.9	49.9
42.5°	2572.4	2305.2	1653.3	789.9	193.8	70.5	55.8	49.9	44.0	44.0	44.0
45°	2663.5	2375.7	1632.7	634.3	91.0	64.6	52.9	44.0	41.1	41.1	41.1
47.5°	2775.1	2463.8	1588.7	469.9	79.3	58.7	49.9	41.1	38.2	41.1	41.1
50°	2886.7	2551.9	1477.1	361.2	73.4	55.8	44.0	35.2	35.2	38.2	38.2
52.5°	2942.5	2613.6	1345.0	249.6	73.4	52.9	41.1	35.2	32.3	32.3	32.3
55°	3007.1	2628.2	1233.4	164.4	70.5	49.9	38.2	29.4	29.4	26.4	26.4
57.5°	3042.3	2590.1	1151.1	138.0	67.5	47.0	35.2	26.4	23.5	20.6	20.6
60°	3027.6	2534.3	1080.7	120.4	61.7	44.0	32.3	23.5	17.6	14.7	14.7
62.5°	2998.3	2487.3	951.5	105.7	58.7	38.2	26.4	20.6	14.7	11.7	11.7
65°	2965.9	2361.0	801.7	91.0	52.9	35.2	23.5	17.6	11.7	8.8	8.8
67.5°	2816.2	2193.6	587.3	82.2	49.9	32.3	20.6	14.7	11.7	8.8	8.8
70°	2619.4	1914.7	378.8	70.5	44.0	29.4	20.6	11.7	8.8	5.9	5.9
72.5°	2228.9	1562.3	190.9	61.7	41.1	29.4	17.6	11.7	8.8	5.9	2.9
75°	1820.7	1165.8	123.3	52.9	38.2	29.4	17.6	11.7	5.9	2.9	2.9
77.5°	1303.8	631.4	94.0	47.0	32.3	29.4	14.7	8.8	5.9	5.9	2.9
80°	543.3	229.1	76.4	38.2	29.4	26.4	14.7	8.8	5.9	5.9	2.9
82.5°	229.1	158.6	67.5	32.3	26.4	26.4	11.7	8.8	5.9	5.9	5.9
85°	179.1	132.1	58.7	29.4	23.5	29.4	11.7	8.8	8.8	8.8	8.8
87.5°	167.4	135.1	52.9	26.4	23.5	20.6	11.7	8.8	14.7	14.7	17.6
90°	187.9	141.0	41.1	23.5	20.6	17.6	8.8	5.9	5.9	0.0	0.0
92.5°	173.3	129.2	29.4	17.6	26.4	11.7	5.9	0.0	0.0	0.0	0.0
95°	149.8	108.7	17.6	11.7	29.4	14.7	2.9	0.0	0.0	0.0	0.0
97.5°	111.6	79.3	11.7	5.9	23.5	17.6	2.9	0.0	0.0	0.0	0.0
100°	79.3	49.9	8.8	5.9	14.7	17.6	2.9	0.0	0.0	0.0	0.0
102.5°	44.0	26.4	5.9	2.9	5.9	5.9	0.0	0.0	0.0	0.0	0.0
105°	20.6	8.8	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



REPORT NUMBER: P691804

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T3-8027-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)