

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: P691754

Luminaire Tested: **CRTK2-C01H-5TLD-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691754
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-3)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01H-5TLD-U-T2-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9441 lumens
Efficiency: N/A
Efficacy: 126.0 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - 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

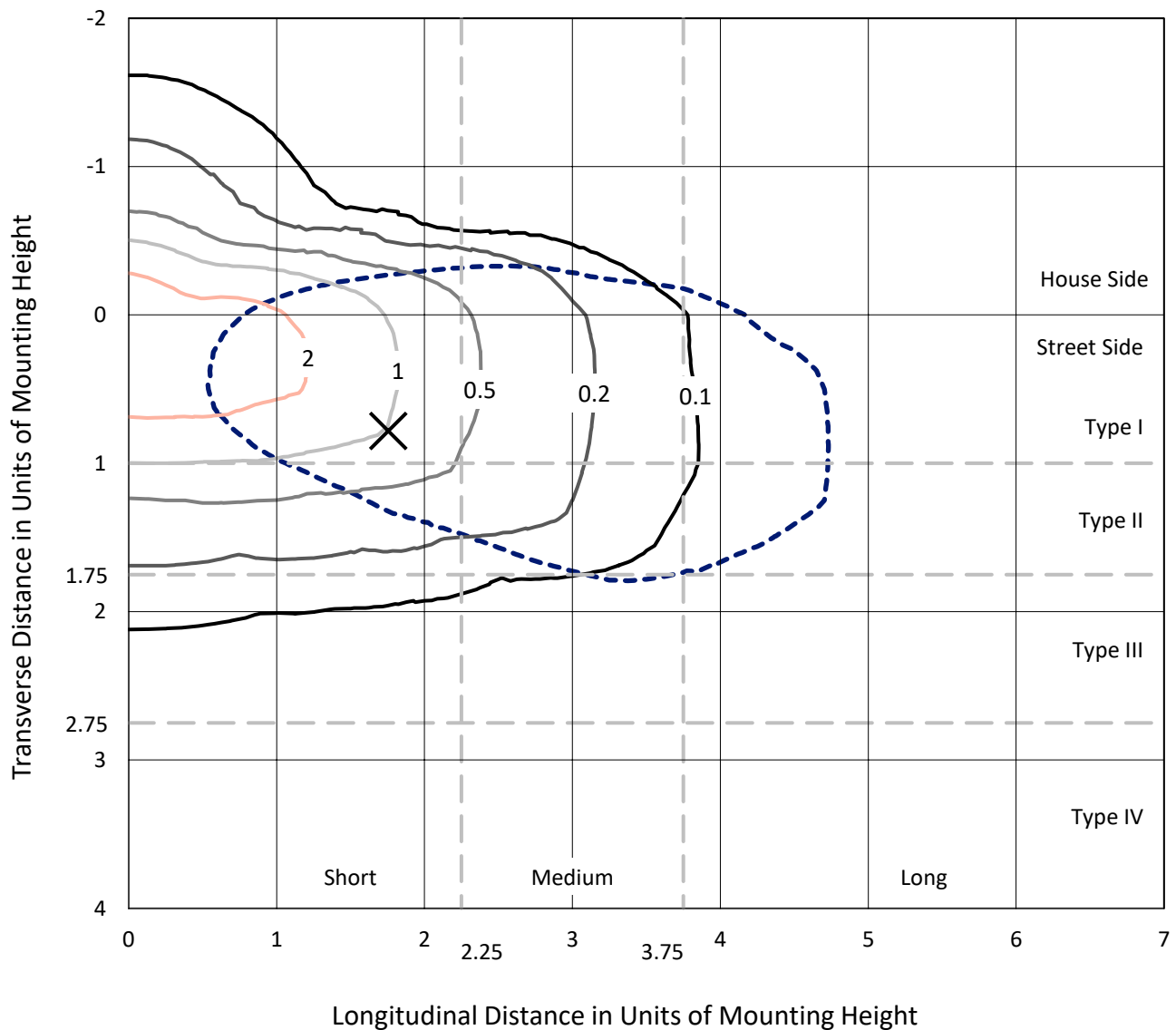


REPORT NUMBER: P691754

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

Iso-Footcandle Lines of Horizontal Illumination

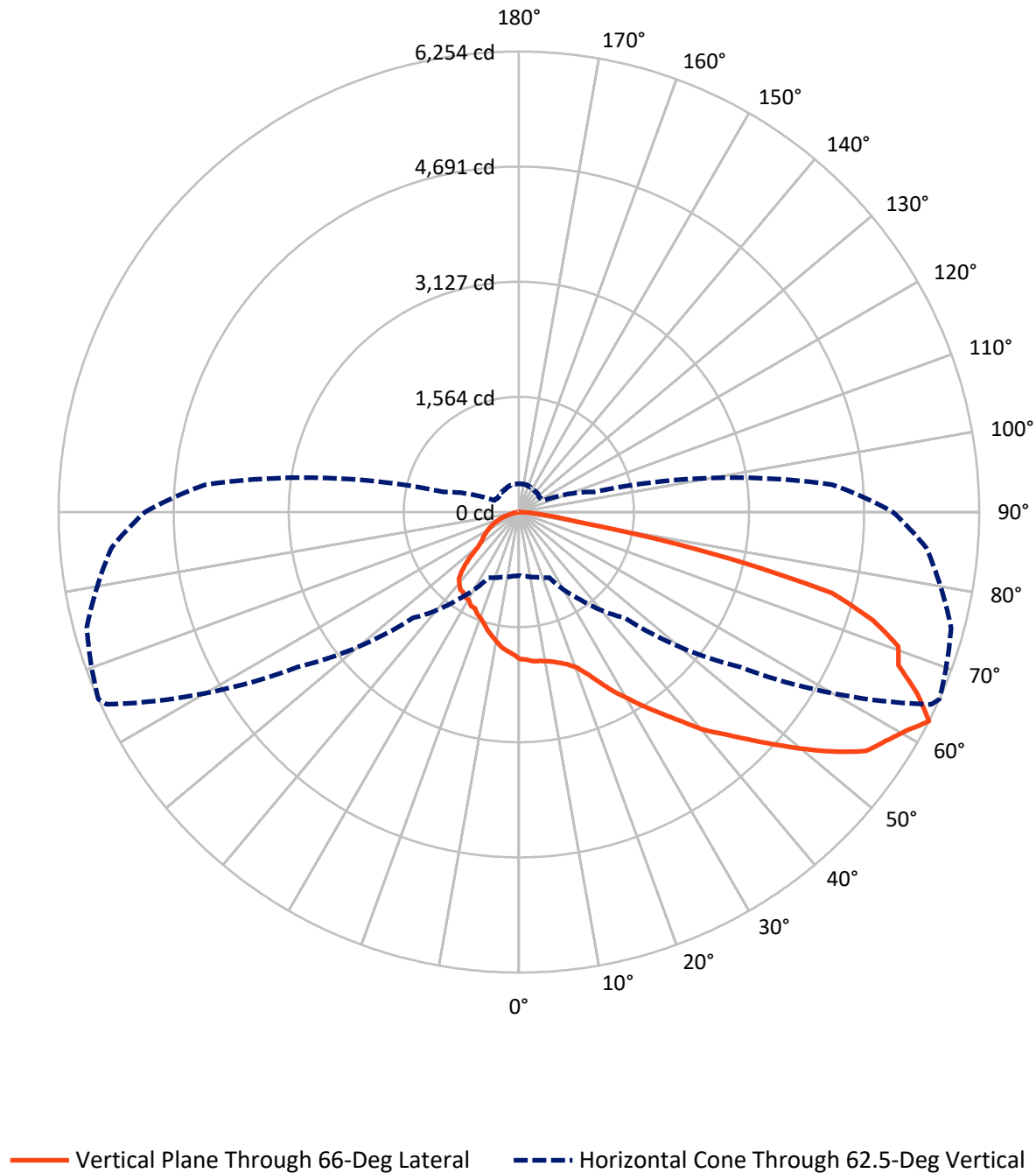
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.4 fc
 Type II - Short - N/A

REPORT NUMBER: P691754
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691754

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

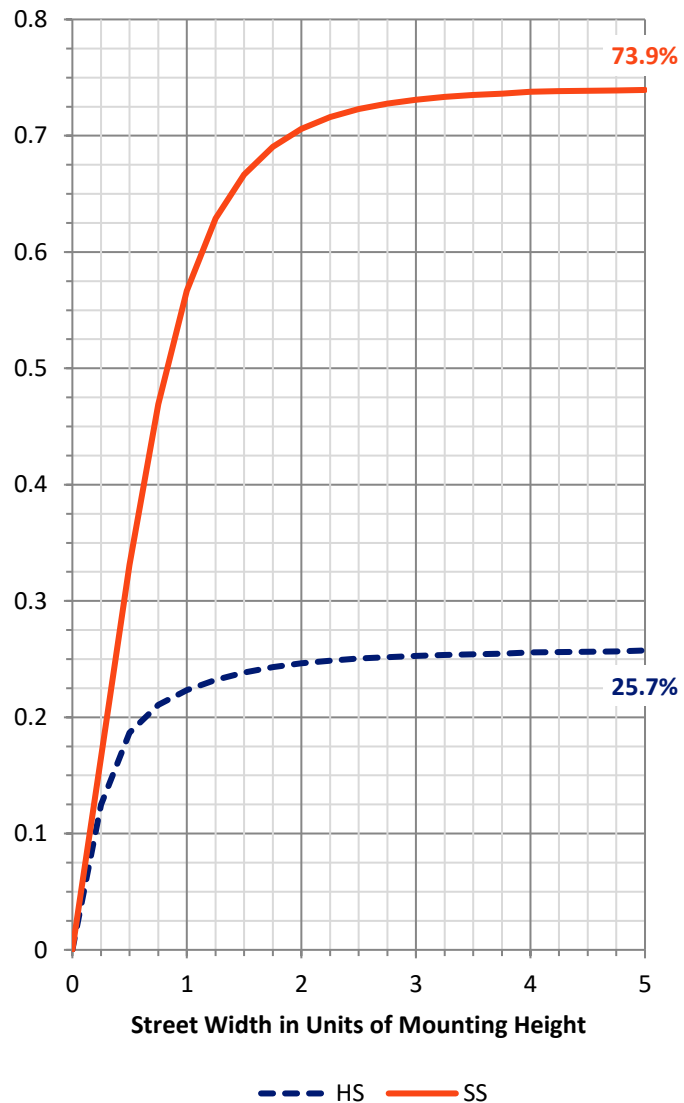
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2466.9	0.0	2466.9
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	6974.1	0.0	6974.1
	% Fixture	73.9	0.0	73.9
Total	Lumens	9441.0	0.0	9441.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	186.8	2.0
10°-20°	530.2	5.6
20°-30°	860.9	9.1
30°-40°	1241.7	13.2
40°-50°	1615.1	17.1
50°-60°	1875.9	19.9
60°-70°	1856.0	19.7
70°-80°	1149.6	12.2
80°-90°	124.8	1.3
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-90°	9441.0	100.0
0°-180°	9441.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691754

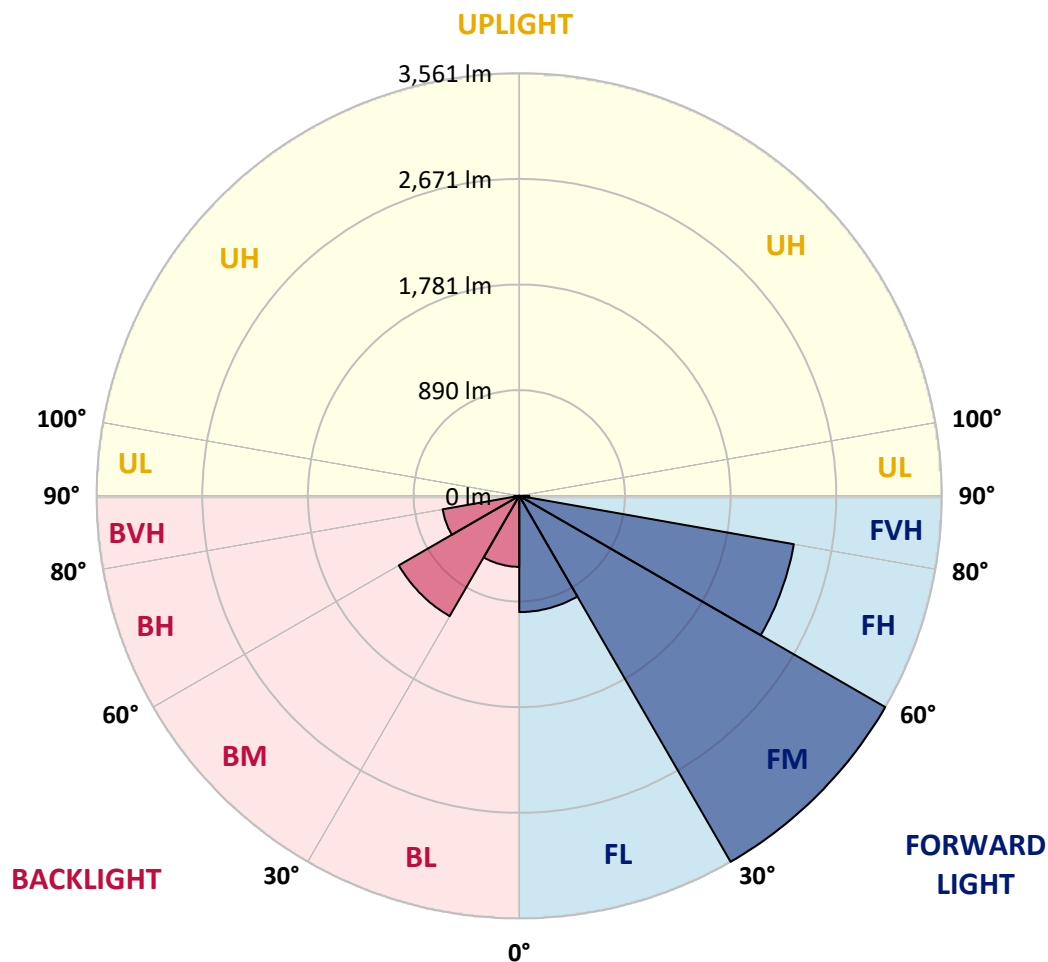
CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	979.5	10.4			
FM	(30°-60°)	3561.3	37.7			
FH	(60°-80°)	2349.6	24.9			G2/5000
FVH	(80°-90°)	83.7	0.9			G1/100
BL	(0°-30°)	598.4	6.3	B2/1000		
BM	(30°-60°)	1171.3	12.4	B2/2500		
BH	(60°-80°)	656.0	6.9	B2/1000		G2/1000
BVH	(80°-90°)	41.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type II Short





REPORT NUMBER: P691754

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0
2.5°	2068.4	2068.4	2074.9	2052.2	2039.2	2029.5	2019.7	2010.0	2006.7	1997.0	1984.0
5°	2159.4	2159.4	2162.6	2139.9	2113.9	2084.7	2055.5	2036.0	2036.0	2013.2	1980.8
7.5°	2208.1	2208.1	2208.1	2182.1	2165.9	2146.4	2100.9	2045.7	2042.5	2019.7	1974.3
10°	2208.1	2208.1	2221.1	2182.1	2169.1	2149.6	2123.6	2065.2	2058.7	2006.7	1945.0
12.5°	2247.0	2253.5	2247.0	2204.8	2191.8	2175.6	2139.9	2091.2	2087.9	2019.7	1932.1
15°	2302.2	2305.5	2295.7	2266.5	2253.5	2227.5	2185.3	2133.4	2126.9	2045.7	1941.8
17.5°	2315.2	2318.5	2325.0	2289.2	2289.2	2279.5	2256.8	2195.1	2178.8	2107.4	1971.0
20°	2308.7	2312.0	2321.7	2315.2	2318.5	2312.0	2328.2	2276.3	2256.8	2178.8	2016.5
22.5°	2338.0	2344.4	2363.9	2367.2	2380.2	2393.2	2399.6	2402.9	2389.9	2299.0	2110.7
25°	2347.7	2367.2	2393.2	2428.9	2474.3	2500.3	2536.0	2571.7	2568.5	2477.6	2266.5
27.5°	2302.2	2325.0	2406.1	2461.3	2562.0	2633.4	2714.6	2763.3	2763.3	2688.6	2445.1
30°	2344.4	2354.2	2396.4	2474.3	2591.2	2753.6	2880.2	2941.9	2948.4	2899.7	2620.5
32.5°	2256.8	2279.5	2383.4	2532.8	2711.4	2890.0	3016.6	3149.7	3156.2	3140.0	2877.0
35°	2247.0	2260.0	2318.5	2477.6	2708.1	3016.6	3185.5	3354.3	3370.5	3390.0	3127.0
37.5°	2146.4	2172.3	2286.0	2484.1	2799.0	3101.0	3328.3	3588.1	3614.1	3675.8	3341.3
40°	2039.2	2058.7	2152.9	2367.2	2769.8	3208.2	3468.0	3864.1	3896.6	3948.5	3636.8
42.5°	1893.1	1932.1	2094.4	2318.5	2756.8	3240.7	3623.8	4117.4	4130.4	4221.3	3870.6
45°	1756.7	1769.7	1893.1	2149.6	2643.2	3289.4	3740.7	4403.1	4412.9	4471.3	4065.4
47.5°	1646.3	1662.5	1789.2	2006.7	2539.3	3276.4	3857.6	4679.2	4724.6	4789.6	4302.5
50°	1305.4	1341.1	1675.5	1883.4	2360.7	3253.7	3951.8	5010.4	5062.3	5124.0	4555.8
52.5°	1126.8	1143.0	1311.9	1760.0	2185.3	3156.2	4039.5	5348.1	5409.8	5377.3	4877.2
55°	1048.8	1058.6	1136.5	1516.4	2029.5	2971.1	4104.4	5663.0	5728.0	5572.1	5130.5
57.5°	993.6	1006.6	1052.1	1240.4	1854.1	2646.4	4110.9	5848.1	5870.9	5734.5	5234.4
60°	918.9	928.7	993.6	1084.6	1649.6	2305.5	3994.0	5929.3	6036.5	5906.6	5468.2
62.5°	863.7	873.5	915.7	983.9	1451.5	2032.7	3669.3	6182.6	6254.0	6078.7	5555.9
65°	798.8	798.8	841.0	909.2	1324.8	1867.1	3500.4	6101.4	5945.5	6030.0	5663.0
67.5°	704.6	711.1	753.3	808.5	1110.5	1708.0	3084.8	5724.7	5562.4	5796.2	5380.5
70°	626.7	620.2	665.7	707.9	909.2	1506.7	2555.5	5335.1	5468.2	5442.2	5120.8
72.5°	522.8	516.3	555.3	600.7	733.9	1250.2	2019.7	4951.9	5029.8	4867.5	4542.8
75°	405.9	366.9	422.1	480.6	578.0	990.4	1432.0	4101.2	4393.4	4588.2	3873.9
77.5°	64.9	64.9	81.2	113.7	188.3	503.3	639.7	2253.5	2584.7	3906.3	3396.5
80°	52.0	52.0	58.4	77.9	113.7	276.0	214.3	698.1	779.3	1685.3	1954.8
82.5°	29.2	29.2	42.2	52.0	71.4	84.4	94.2	341.0	379.9	597.5	756.6
85°	16.2	16.2	22.7	26.0	29.2	29.2	29.2	155.9	175.3	318.2	344.2
87.5°	9.7	9.7	9.7	9.7	9.7	6.5	3.2	3.2	3.2	3.2	3.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P691754

CATALOG NUMBER: CRTK2-C01H-5TLD-U-T2-7030-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0	1997.0
2.5°	1977.5	1967.8	1951.5	1938.6	1928.8	1919.1	1902.8	1893.1	1893.1	1909.3	1912.6
5°	1961.3	1938.6	1909.3	1896.3	1880.1	1863.9	1837.9	1824.9	1821.7	1831.4	1837.9
7.5°	1948.3	1915.8	1886.6	1854.1	1805.4	1763.2	1740.5	1724.2	1730.7	1747.0	1740.5
10°	1909.3	1880.1	1834.6	1785.9	1727.5	1691.8	1656.1	1636.6	1639.8	1649.6	1639.8
12.5°	1893.1	1854.1	1779.4	1721.0	1669.0	1600.8	1555.4	1526.2	1526.2	1542.4	1542.4
15°	1893.1	1834.6	1734.0	1662.5	1581.4	1513.2	1461.2	1435.2	1451.5	1441.7	1435.2
17.5°	1909.3	1818.4	1704.8	1584.6	1487.2	1419.0	1357.3	1321.6	1331.3	1337.8	1331.3
20°	1928.8	1818.4	1669.0	1522.9	1409.3	1311.9	1243.7	1204.7	1201.4	1204.7	1211.2
22.5°	1993.8	1860.6	1646.3	1484.0	1311.9	1217.7	1149.5	1081.3	1078.1	1074.8	1081.3
25°	2104.2	1938.6	1662.5	1412.5	1256.6	1117.0	1032.6	974.1	954.7	951.4	957.9
27.5°	2286.0	2074.9	1688.5	1402.8	1156.0	1029.3	925.4	860.5	841.0	847.5	844.3
30°	2484.1	2250.3	1763.2	1334.6	1097.5	899.5	802.0	746.8	727.4	714.4	717.6
32.5°	2630.2	2425.6	1857.4	1311.9	983.9	759.8	688.4	655.9	633.2	617.0	613.7
35°	2860.7	2575.0	1941.8	1259.9	883.2	668.9	610.5	574.7	561.8	552.0	552.0
37.5°	3081.6	2756.8	2026.2	1243.7	753.3	607.2	535.8	513.1	506.6	500.1	500.1
40°	3302.4	2941.9	2074.9	1178.7	649.4	532.5	464.3	461.1	470.8	464.3	467.6
42.5°	3575.1	3133.5	2123.6	1117.0	574.7	454.6	415.6	441.6	461.1	464.3	464.3
45°	3763.5	3263.4	2143.1	967.7	496.8	396.2	405.9	435.1	457.8	467.6	464.3
47.5°	3935.6	3438.7	2113.9	785.8	431.9	386.4	402.6	422.1	454.6	467.6	467.6
50°	4104.4	3584.9	2087.9	581.2	409.1	389.7	402.6	412.4	448.1	461.1	461.1
52.5°	4341.4	3701.8	2000.2	487.1	389.7	392.9	412.4	409.1	438.4	457.8	464.3
55°	4669.4	3974.5	1831.4	461.1	386.4	389.7	412.4	412.4	431.9	448.1	457.8
57.5°	4815.5	4091.4	1545.6	435.1	376.7	386.4	402.6	405.9	428.6	438.4	435.1
60°	4981.1	4237.5	1266.4	405.9	360.4	379.9	386.4	399.4	415.6	415.6	412.4
62.5°	5081.8	4273.3	1055.3	373.4	341.0	357.2	357.2	370.2	383.2	383.2	383.2
65°	5130.5	4237.5	789.1	344.2	318.2	331.2	328.0	334.5	344.2	328.0	328.0
67.5°	4938.9	4104.4	545.5	305.2	292.2	305.2	302.0	305.2	302.0	289.0	292.2
70°	4611.0	3731.0	376.7	259.8	256.5	279.3	282.5	276.0	256.5	246.8	246.8
72.5°	4198.6	2993.9	259.8	207.8	217.6	246.8	253.3	240.3	220.8	211.1	211.1
75°	3808.9	2588.0	185.1	142.9	146.1	188.3	201.3	201.3	194.8	259.8	276.0
77.5°	2649.7	1675.5	107.2	74.7	71.4	107.2	123.4	126.6	243.5	263.0	256.5
80°	1571.6	789.1	77.9	45.5	45.5	61.7	84.4	165.6	279.3	188.3	168.9
82.5°	600.7	302.0	48.7	29.2	26.0	32.5	48.7	256.5	162.4	107.2	97.4
85°	217.6	74.7	22.7	16.2	16.2	19.5	29.2	217.6	113.7	81.2	77.9
87.5°	3.2	3.2	6.5	6.5	6.5	3.2	3.2	6.5	6.5	6.5	3.2
90°	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)