

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: P691478

Luminaire Tested: **CRTK2-C016-D-U-T2-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691478
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-C016-D-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: 5528 lumens
Efficiency: N/A
Efficacy: 132.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

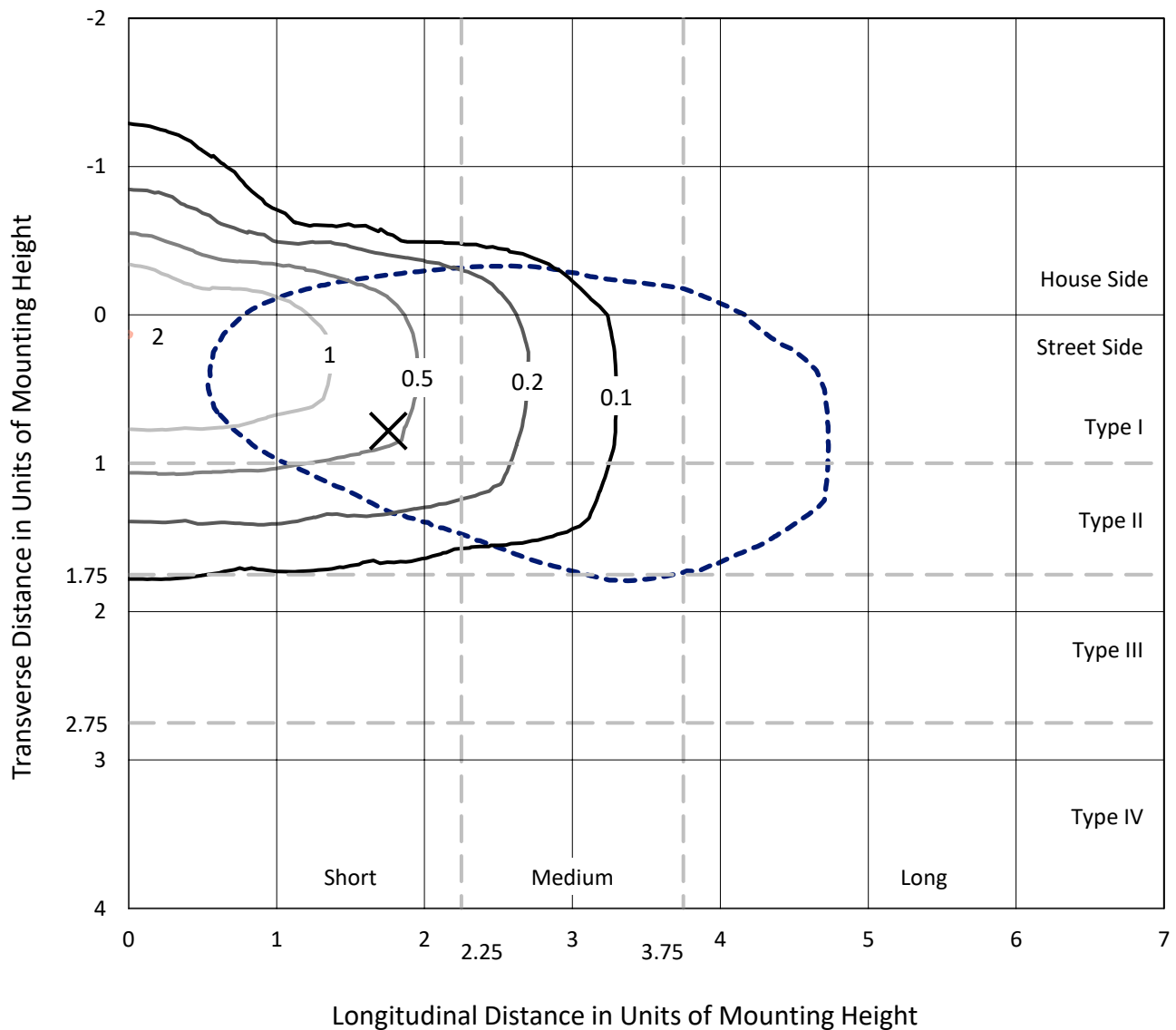
Input Watts (W): 41.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P691478
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

Iso-Footcandle Lines of Horizontal Illumination

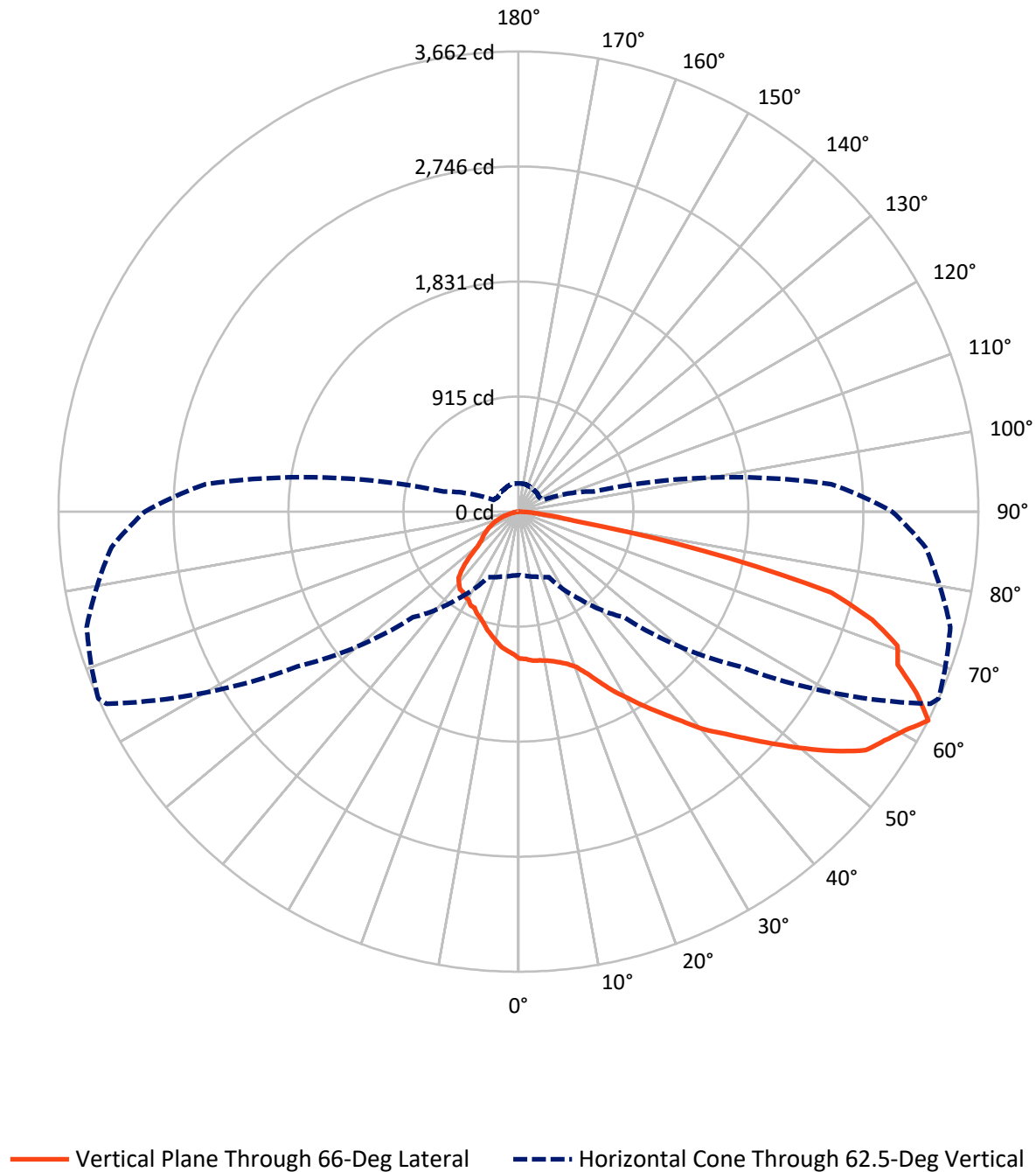
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type II - Short - N/A

REPORT NUMBER: P691478
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

Luminous Intensity Polar Plot



REPORT NUMBER: P691478
 CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

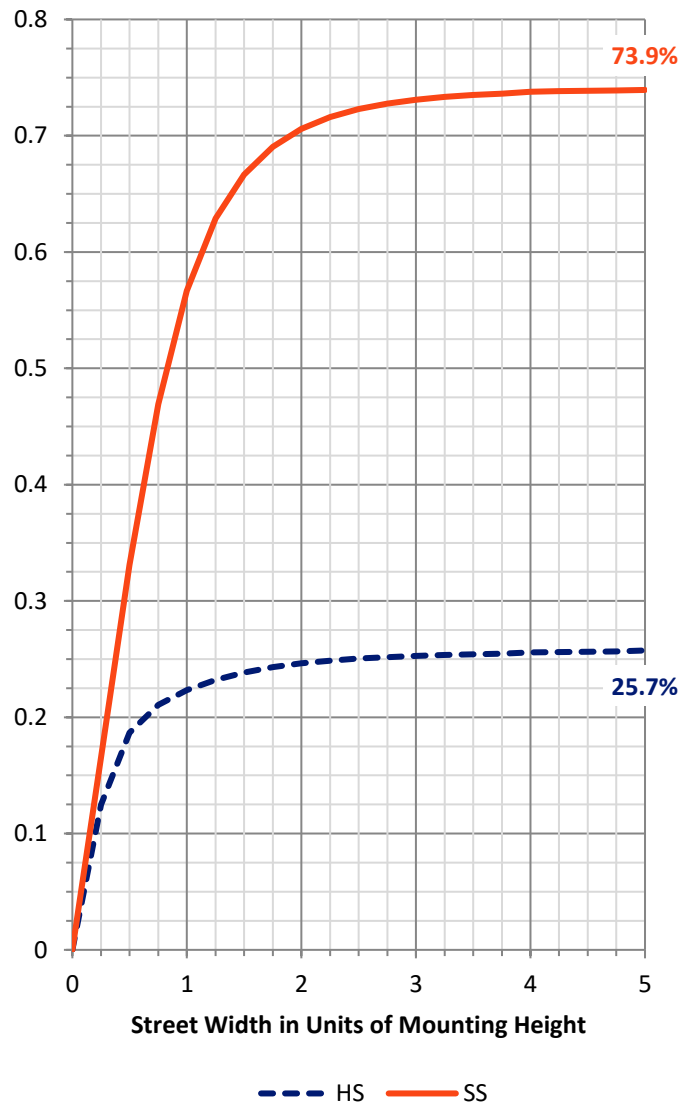
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1444.5	0.0	1444.5
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	4083.5	0.0	4083.5
	% Fixture	73.9	0.0	73.9
Total	Lumens	5528.0	0.0	5528.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.4	2.0
10°-20°	310.4	5.6
20°-30°	504.1	9.1
30°-40°	727.0	13.2
40°-50°	945.7	17.1
50°-60°	1098.4	19.9
60°-70°	1086.7	19.7
70°-80°	673.1	12.2
80°-90°	73.1	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°	5528.0	100.0
0°-180°	5528.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691478

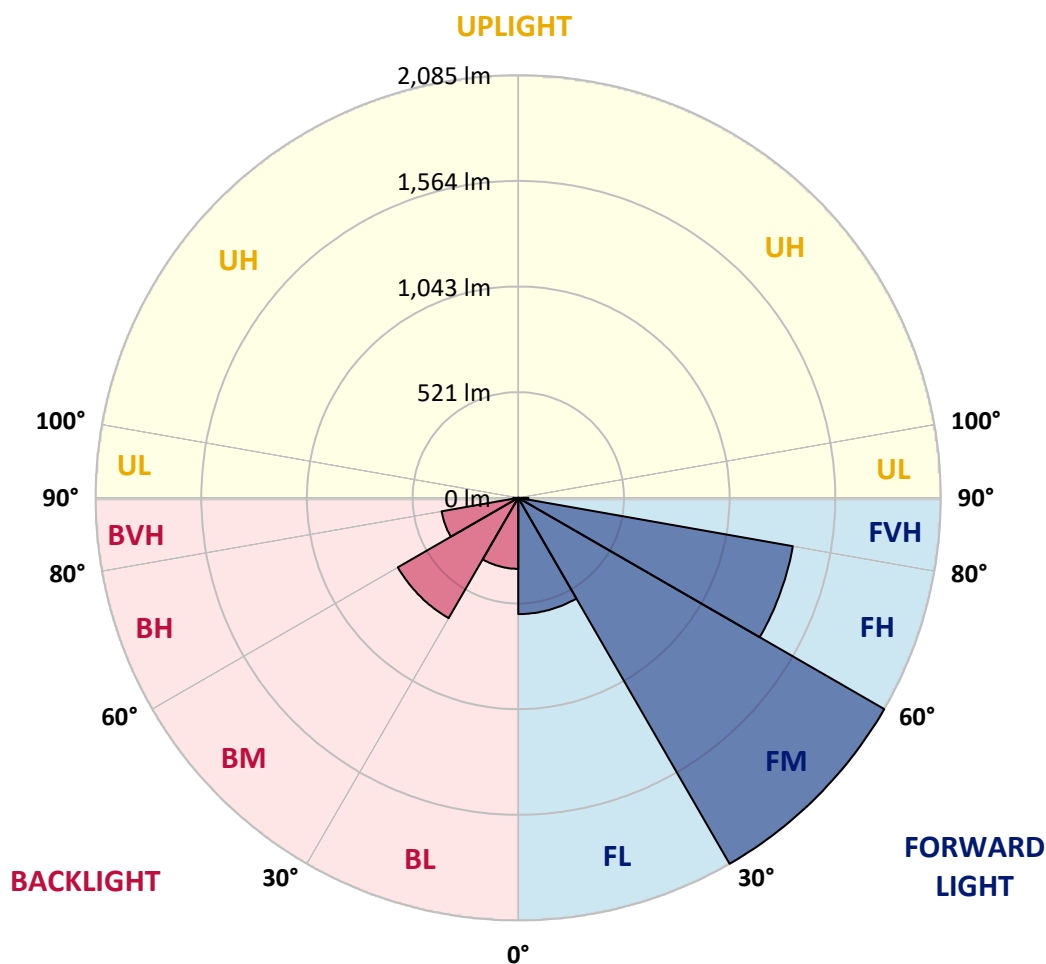
CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	573.5	10.4			
FM	(30°-60°)	2085.3	37.7			
FH	(60°-80°)	1375.8	24.9			G1/1800
FVH	(80°-90°)	49.0	0.9			G1/100
BL	(0°-30°)	350.4	6.3	B1/500		
BM	(30°-60°)	685.9	12.4	B1/1000		
BH	(60°-80°)	384.1	6.9	B1/500		G1/500
BVH	(80°-90°)	24.1	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





REPORT NUMBER: P691478

CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3
2.5°	1211.1	1211.1	1214.9	1201.6	1194.0	1188.3	1182.6	1176.9	1175.0	1169.3	1161.7
5°	1264.4	1264.4	1266.3	1253.0	1237.8	1220.6	1203.5	1192.1	1192.1	1178.8	1159.8
7.5°	1292.9	1292.9	1292.9	1277.7	1268.2	1256.8	1230.1	1197.8	1195.9	1182.6	1156.0
10°	1292.9	1292.9	1300.5	1277.7	1270.1	1258.7	1243.5	1209.2	1205.4	1175.0	1138.9
12.5°	1315.7	1319.5	1315.7	1291.0	1283.4	1273.9	1253.0	1224.4	1222.5	1182.6	1131.3
15°	1348.0	1349.9	1344.2	1327.1	1319.5	1304.3	1279.6	1249.2	1245.4	1197.8	1137.0
17.5°	1355.6	1357.5	1361.3	1340.4	1340.4	1334.7	1321.4	1285.3	1275.8	1234.0	1154.1
20°	1351.8	1353.7	1359.4	1355.6	1357.5	1353.7	1363.2	1332.8	1321.4	1275.8	1180.7
22.5°	1368.9	1372.7	1384.2	1386.1	1393.7	1401.3	1405.1	1407.0	1399.4	1346.1	1235.9
25°	1374.6	1386.1	1401.3	1422.2	1448.8	1464.0	1484.9	1505.8	1503.9	1450.7	1327.1
27.5°	1348.0	1361.3	1408.9	1441.2	1500.1	1542.0	1589.5	1618.0	1618.0	1574.3	1431.7
30°	1372.7	1378.5	1403.2	1448.8	1517.2	1612.3	1686.5	1722.6	1726.4	1697.9	1534.4
32.5°	1321.4	1334.7	1395.6	1483.0	1587.6	1692.2	1766.3	1844.3	1848.1	1838.6	1684.6
35°	1315.7	1323.3	1357.5	1450.7	1585.7	1766.3	1865.2	1964.1	1973.6	1985.0	1831.0
37.5°	1256.8	1272.0	1338.5	1454.5	1638.9	1815.8	1948.8	2100.9	2116.2	2152.3	1956.4
40°	1194.0	1205.4	1260.6	1386.1	1621.8	1878.5	2030.6	2262.6	2281.6	2312.0	2129.5
42.5°	1108.5	1131.3	1226.3	1357.5	1614.2	1897.5	2121.9	2410.9	2418.5	2471.7	2266.4
45°	1028.6	1036.2	1108.5	1258.7	1547.7	1926.0	2190.3	2578.2	2583.9	2618.1	2380.4
47.5°	964.0	973.5	1047.6	1175.0	1486.8	1918.4	2258.8	2739.8	2766.4	2804.4	2519.2
50°	764.3	785.2	981.1	1102.8	1382.3	1905.1	2313.9	2933.7	2964.1	3000.3	2667.5
52.5°	659.8	669.3	768.1	1030.5	1279.6	1848.1	2365.2	3131.5	3167.6	3148.6	2855.8
55°	614.1	619.8	665.5	887.9	1188.3	1739.7	2403.3	3315.9	3353.9	3262.7	3004.1
57.5°	581.8	589.4	616.0	726.3	1085.6	1549.6	2407.1	3424.3	3437.6	3357.7	3064.9
60°	538.1	543.8	581.8	635.0	965.9	1349.9	2338.6	3471.8	3534.5	3458.5	3201.8
62.5°	505.7	511.5	536.2	576.1	849.9	1190.2	2148.5	3620.1	3661.9	3559.3	3253.1
65°	467.7	467.7	492.4	532.4	775.7	1093.3	2049.6	3572.6	3481.3	3530.7	3315.9
67.5°	412.6	416.4	441.1	473.4	650.2	1000.1	1806.2	3352.0	3256.9	3393.8	3150.5
70°	367.0	363.2	389.8	414.5	532.4	882.2	1496.3	3123.9	3201.8	3186.6	2998.4
72.5°	306.1	302.3	325.1	351.7	429.7	732.0	1182.6	2899.5	2945.1	2850.1	2659.9
75°	237.7	214.8	247.2	281.4	338.4	579.9	838.5	2401.4	2572.5	2686.6	2268.3
77.5°	38.0	38.0	47.5	66.5	110.3	294.7	374.6	1319.5	1513.4	2287.3	1988.8
80°	30.4	30.4	34.2	45.6	66.5	161.6	125.5	408.8	456.3	986.8	1144.6
82.5°	17.1	17.1	24.7	30.4	41.8	49.4	55.1	199.6	222.5	349.8	443.0
85°	9.5	9.5	13.3	15.2	17.1	17.1	17.1	91.3	102.7	186.3	201.5
87.5°	5.7	5.7	5.7	5.7	5.7	3.8	1.9	1.9	1.9	1.9	1.9
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: P691478

CATALOG NUMBER: CRTK2-C016-D-U-T2-7030-U0

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3	1169.3
2.5°	1157.9	1152.2	1142.7	1135.1	1129.4	1123.7	1114.2	1108.5	1108.5	1118.0	1119.9
5°	1148.4	1135.1	1118.0	1110.4	1100.9	1091.4	1076.1	1068.5	1066.6	1072.3	1076.1
7.5°	1140.8	1121.8	1104.7	1085.6	1057.1	1032.4	1019.1	1009.6	1013.4	1022.9	1019.1
10°	1118.0	1100.9	1074.2	1045.7	1011.5	990.6	969.7	958.3	960.2	965.9	960.2
12.5°	1108.5	1085.6	1041.9	1007.7	977.3	937.3	910.7	893.6	893.6	903.1	903.1
15°	1108.5	1074.2	1015.3	973.5	925.9	886.0	855.6	840.4	849.9	844.2	840.4
17.5°	1118.0	1064.7	998.2	927.8	870.8	830.9	794.7	773.8	779.5	783.3	779.5
20°	1129.4	1064.7	977.3	891.7	825.2	768.1	728.2	705.4	703.5	705.4	709.2
22.5°	1167.4	1089.5	964.0	868.9	768.1	713.0	673.1	633.1	631.2	629.3	633.1
25°	1232.0	1135.1	973.5	827.1	735.8	654.1	604.6	570.4	559.0	557.1	560.9
27.5°	1338.5	1214.9	988.7	821.4	676.9	602.7	541.9	503.8	492.4	496.2	494.3
30°	1454.5	1317.6	1032.4	781.4	642.6	526.7	469.6	437.3	425.9	418.3	420.2
32.5°	1540.1	1420.3	1087.6	768.1	576.1	444.9	403.1	384.1	370.8	361.2	359.3
35°	1675.1	1507.7	1137.0	737.7	517.2	391.7	357.4	336.5	328.9	323.2	323.2
37.5°	1804.3	1614.2	1186.4	728.2	441.1	355.5	313.7	300.4	296.6	292.8	292.8
40°	1933.6	1722.6	1214.9	690.2	380.3	311.8	271.9	270.0	275.7	271.9	273.8
42.5°	2093.3	1834.8	1243.5	654.1	336.5	266.2	243.4	258.6	270.0	271.9	271.9
45°	2203.6	1910.8	1254.9	566.6	290.9	232.0	237.7	254.8	268.1	273.8	271.9
47.5°	2304.4	2013.5	1237.8	460.1	252.9	226.3	235.8	247.2	266.2	273.8	273.8
50°	2403.3	2099.0	1222.5	340.3	239.6	228.2	235.8	241.5	262.4	270.0	270.0
52.5°	2542.1	2167.5	1171.2	285.2	228.2	230.1	241.5	239.6	256.7	268.1	271.9
55°	2734.1	2327.2	1072.3	270.0	226.3	228.2	241.5	241.5	252.9	262.4	268.1
57.5°	2819.6	2395.7	905.0	254.8	220.6	226.3	235.8	237.7	251.0	256.7	254.8
60°	2916.6	2481.2	741.5	237.7	211.0	222.5	226.3	233.9	243.4	243.4	241.5
62.5°	2975.6	2502.1	617.9	218.7	199.6	209.1	209.1	216.7	224.4	224.4	224.4
65°	3004.1	2481.2	462.0	201.5	186.3	193.9	192.0	195.8	201.5	192.0	192.0
67.5°	2891.9	2403.3	319.4	178.7	171.1	178.7	176.8	178.7	176.8	169.2	171.1
70°	2699.9	2184.6	220.6	152.1	150.2	163.5	165.4	161.6	150.2	144.5	144.5
72.5°	2458.4	1753.0	152.1	121.7	127.4	144.5	148.3	140.7	129.3	123.6	123.6
75°	2230.2	1515.3	108.4	83.7	85.6	110.3	117.9	117.9	114.1	152.1	161.6
77.5°	1551.5	981.1	62.7	43.7	41.8	62.7	72.2	74.2	142.6	154.0	150.2
80°	920.2	462.0	45.6	26.6	26.6	36.1	49.4	97.0	163.5	110.3	98.9
82.5°	351.7	176.8	28.5	17.1	15.2	19.0	28.5	150.2	95.1	62.7	57.0
85°	127.4	43.7	13.3	9.5	9.5	11.4	17.1	127.4	66.5	47.5	45.6
87.5°	1.9	1.9	3.8	3.8	3.8	1.9	1.9	3.8	3.8	3.8	1.9
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)