

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: P691546

Luminaire Tested: **CRTK2-C016-D-U-T5R-7040-SR-CARETAKER**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691546
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-21)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K LED WITH TYPE V ROUND OPTIC AND SR REFRACTOR
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6191 lumens
Efficiency: N/A
Efficacy: 148.8 lumens/watt
Luminous Opening: Vertical Cylinder (Dia: 0.33' x H: 0.29')
IES Classification: Type V - Short
BUG Rating: B3 - U3 - G2

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

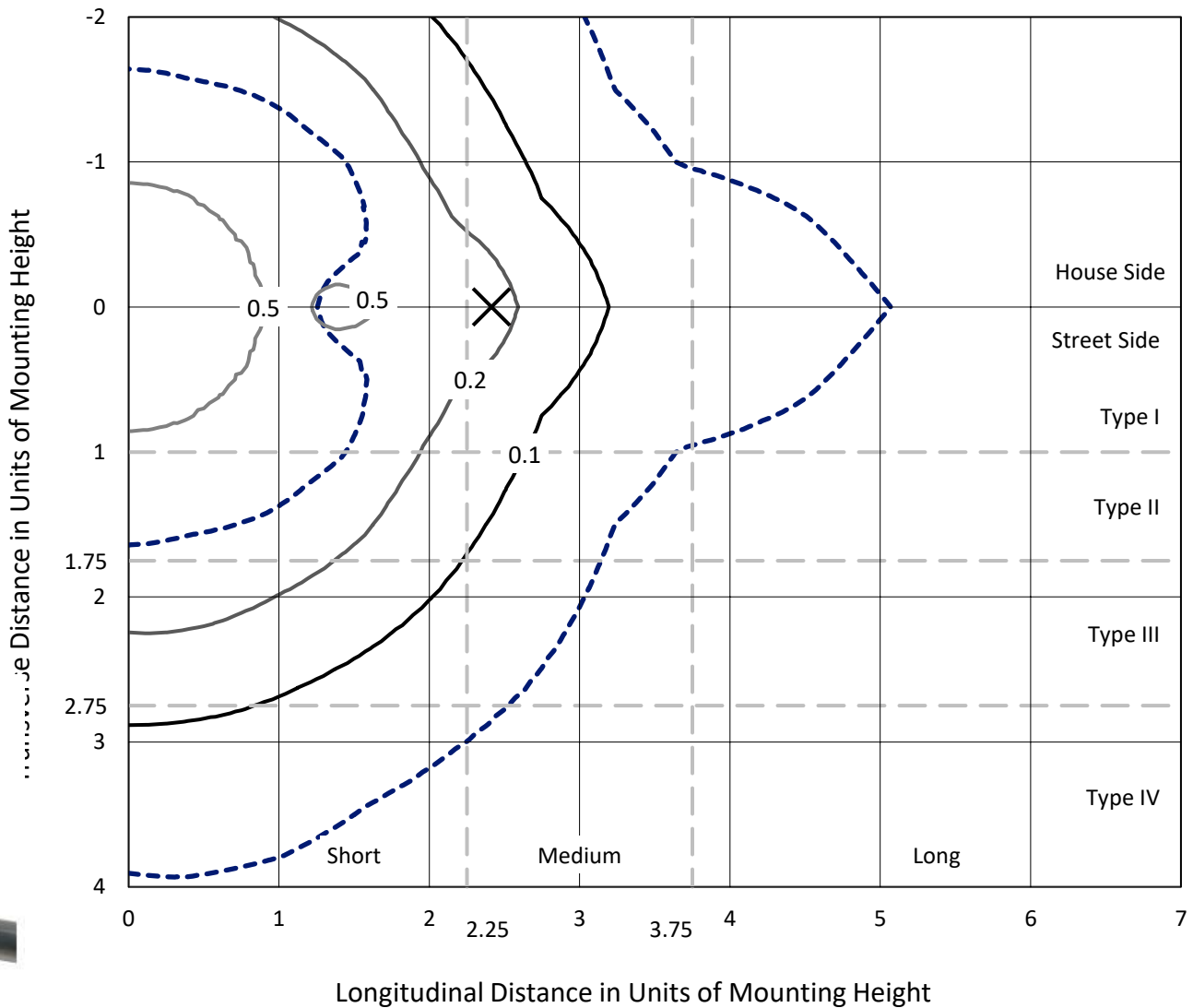


REPORT NUMBER: P691546

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

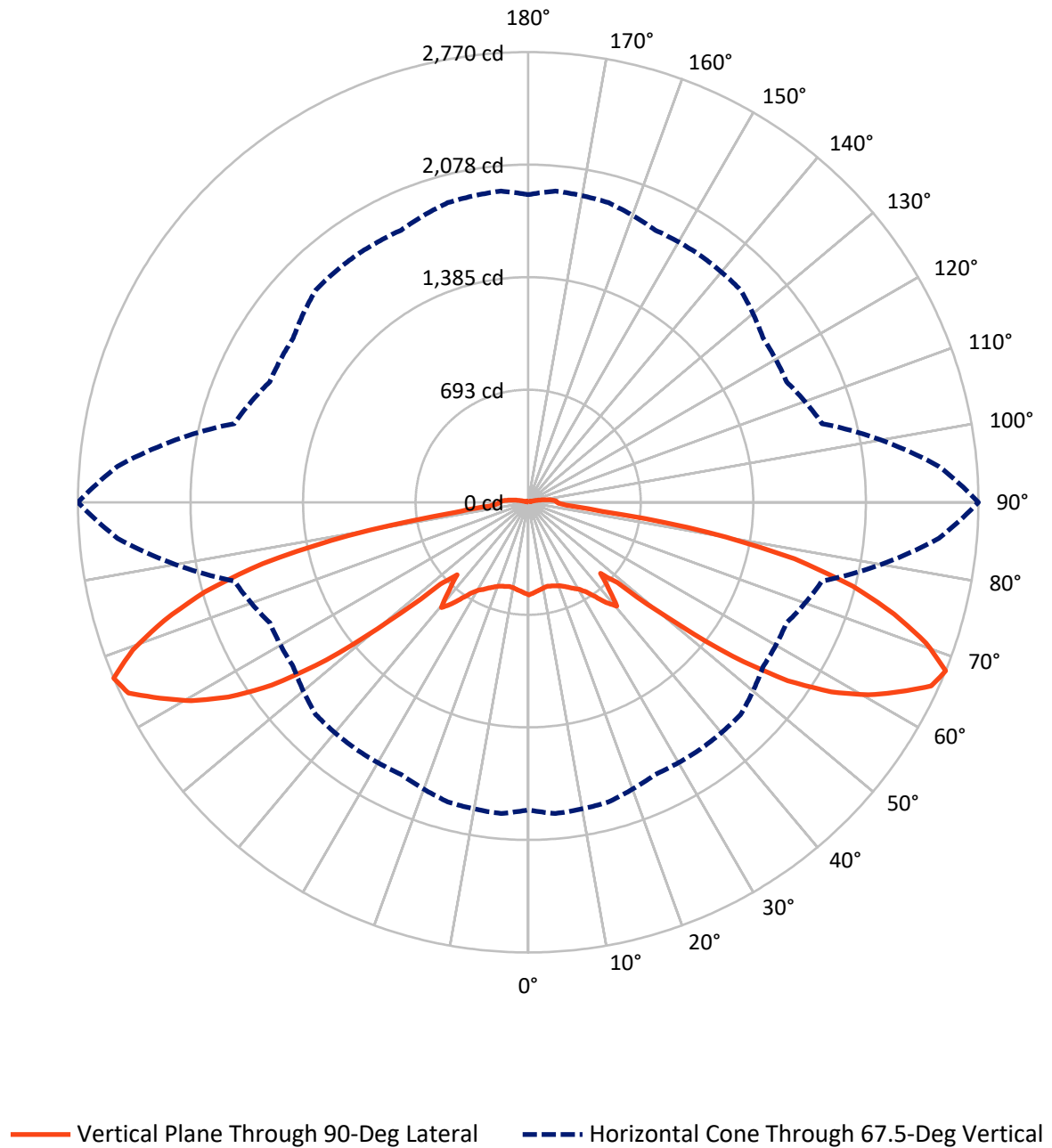


Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

REPORT NUMBER: P691546

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

Luminous Intensity Polar Plot



REPORT NUMBER: P691546

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

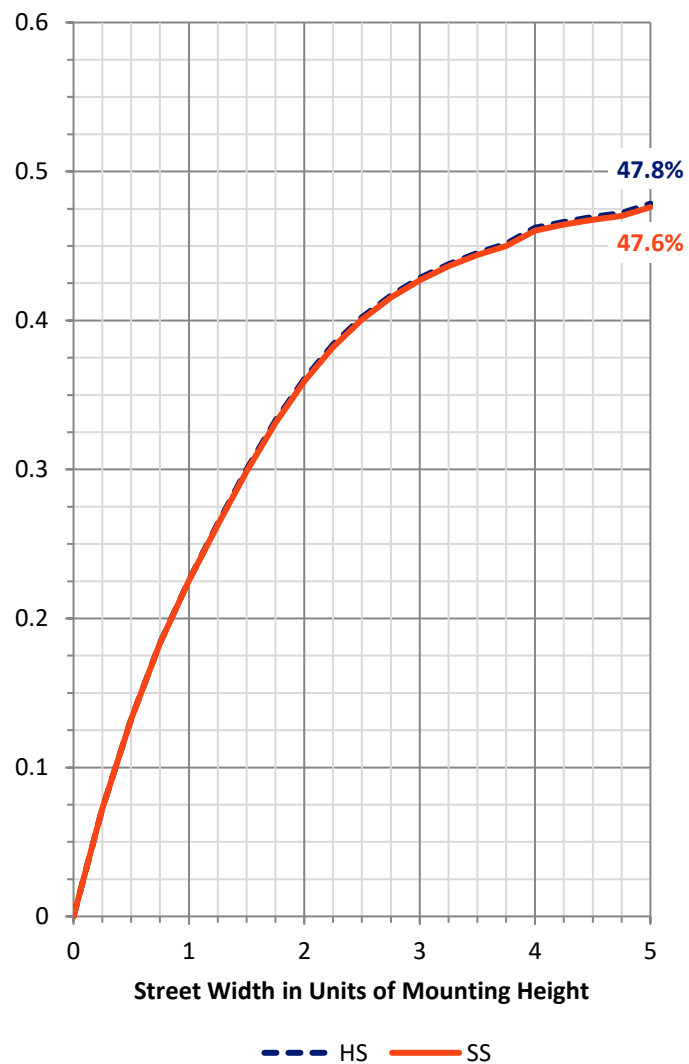
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3005.8	89.7	3095.5
	% Fixture	48.6	1.4	50.0
Street Side	Lumens	3005.8	89.7	3095.5
	% Fixture	48.6	1.4	50.0
Total	Lumens	6011.7	179.3	6191.0
	% Fixture	97.1	2.9	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.5	0.8
10°-20°	146.9	2.4
20°-30°	260.1	4.2
30°-40°	438.7	7.1
40°-50°	491.7	7.9
50°-60°	1018.0	16.4
60°-70°	1791.8	28.9
70°-80°	1480.7	23.9
80°-90°	332.2	5.4
90°-100°	127.0	2.1
100°-110°	35.9	0.6
110°-120°	11.0	0.2
120°-130°	5.0	0.1
130°-140°	0.4	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°	6011.7	97.1
0°-180°	6191.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691546

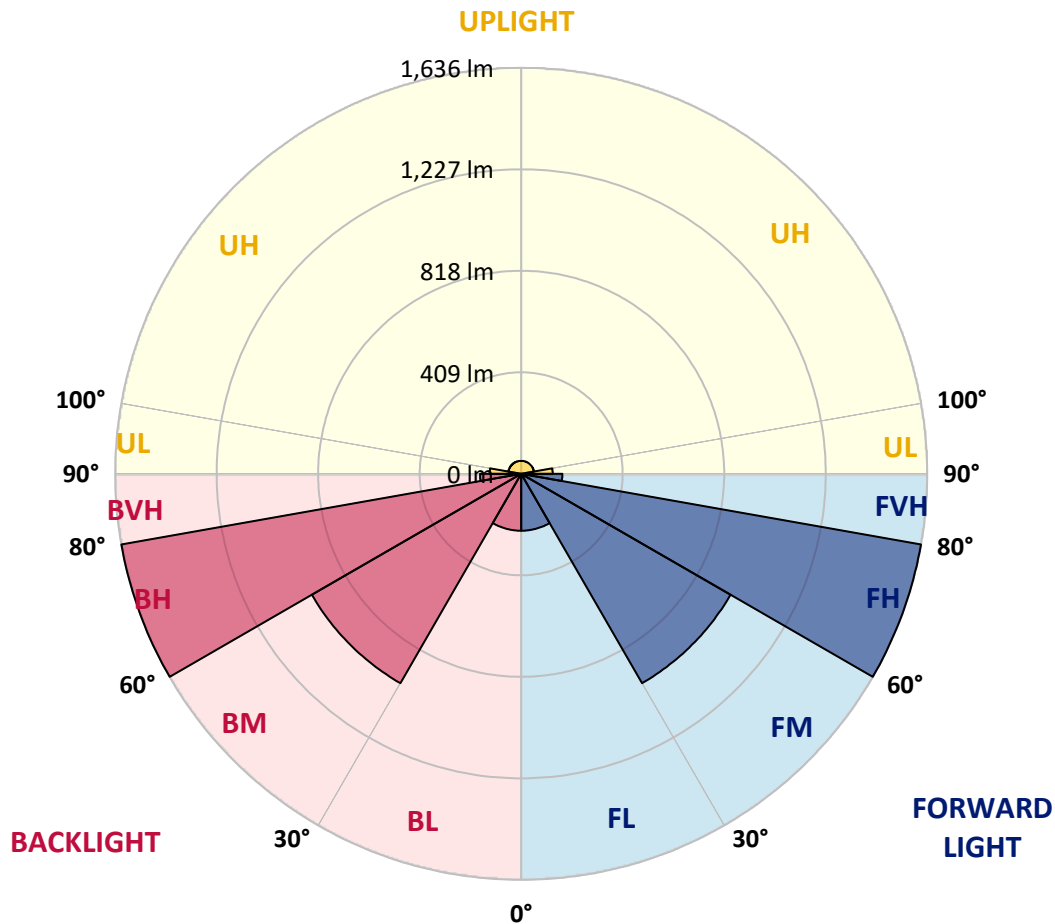
CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	229.3	3.7			
FM	(30°-60°)	974.2	15.7			
FH	(60°-80°)	1636.3	26.4			G1/1800
FVH	(80°-90°)	166.1	2.7			G2/225
BL	(0°-30°)	229.3	3.7	B1/500		
BM	(30°-60°)	974.2	15.7	B1/1000		
BH	(60°-80°)	1636.3	26.4	B3/2500		G1/1800
BVH	(80°-90°)	166.1	2.7			G2/225
UL	(90°-100°)	127.0	2.1		U3/500	
UH	(100°-180°)	52.3	0.8		U3/500	

BUG Rating: B3-U3-G2

Type V Short



REPORT NUMBER: P691546

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7	569.7
2.5°	563.8	563.8	559.9	557.9	559.9	561.9	563.8	563.8	561.9	559.9	559.9
5°	554.0	552.1	550.1	548.2	548.2	552.1	552.1	554.0	552.1	550.1	550.1
7.5°	528.6	528.6	526.6	524.7	528.6	532.5	538.4	540.3	542.3	542.3	542.3
10°	511.0	511.0	509.0	509.0	512.9	518.8	524.7	530.5	532.5	534.5	534.5
12.5°	501.2	501.2	501.2	499.2	505.1	511.0	520.7	524.7	528.6	530.5	530.5
15°	501.2	499.2	499.2	501.2	505.1	512.9	520.7	528.6	532.5	534.5	534.5
17.5°	505.1	503.1	503.1	503.1	509.0	516.8	526.6	532.5	538.4	540.3	540.3
20°	511.0	511.0	511.0	511.0	514.9	524.7	534.5	540.3	546.2	548.2	548.2
22.5°	526.6	526.6	524.7	522.7	526.6	534.5	546.2	552.1	557.9	561.9	561.9
25°	546.2	544.2	544.2	542.3	542.3	550.1	559.9	567.7	575.6	579.5	579.5
27.5°	569.7	567.7	567.7	563.8	563.8	573.6	581.4	589.3	597.1	601.0	601.0
30°	595.1	597.1	593.2	591.2	589.3	597.1	604.9	610.8	616.7	620.6	620.6
32.5°	636.3	636.3	632.3	630.4	628.4	634.3	638.2	642.1	648.0	655.8	657.8
35°	687.2	685.2	685.2	685.2	685.2	689.1	693.0	691.1	702.8	710.6	714.6
37.5°	753.7	755.7	751.8	747.8	745.9	749.8	753.7	759.6	771.3	781.1	783.1
40°	742.0	738.1	742.0	749.8	751.8	769.4	787.0	800.7	820.3	837.9	839.9
42.5°	665.6	671.5	677.4	677.4	675.4	675.4	677.4	679.3	698.9	724.4	724.4
45°	546.2	550.1	557.9	554.0	536.4	528.6	532.5	538.4	559.9	622.6	624.5
47.5°	579.5	587.3	595.1	571.6	550.1	516.8	512.9	509.0	534.5	708.7	738.1
50°	683.2	683.2	693.0	673.5	665.6	646.0	634.3	638.2	693.0	1055.2	1119.8
52.5°	888.8	884.9	908.4	884.9	877.1	835.9	790.9	814.4	871.2	1442.8	1576.0
55°	1078.7	1082.6	1106.1	1082.6	1061.1	1023.9	963.2	1004.3	1080.7	1748.2	1938.1
57.5°	1284.3	1290.1	1317.5	1272.5	1229.4	1209.9	1153.1	1196.2	1280.3	1946.0	2200.5
60°	1497.6	1503.5	1517.2	1460.4	1421.3	1411.5	1346.9	1393.9	1495.7	2120.2	2406.0
62.5°	1701.2	1707.1	1699.3	1644.5	1621.0	1622.9	1560.3	1593.6	1703.2	2323.8	2566.6
65°	1830.5	1855.9	1850.0	1789.3	1781.5	1789.3	1722.8	1726.7	1840.2	2482.4	2725.1
67.5°	1893.1	1922.5	1908.8	1848.1	1852.0	1848.1	1763.9	1754.1	1871.6	2537.2	2770.2
70°	1830.5	1830.5	1820.7	1767.8	1765.8	1750.2	1687.5	1671.9	1763.9	2386.4	2597.9
72.5°	1677.8	1677.8	1669.9	1609.2	1597.5	1585.7	1548.5	1521.1	1601.4	2143.7	2355.1
75°	1456.5	1474.2	1464.4	1403.7	1390.0	1382.1	1356.7	1329.3	1401.7	1885.3	2063.4
77.5°	1164.8	1184.4	1172.7	1127.6	1115.9	1119.8	1102.2	1086.5	1139.4	1511.3	1675.8
80°	781.1	798.7	777.2	755.7	738.1	755.7	747.8	740.0	769.4	963.2	1127.6
82.5°	352.4	356.3	356.3	334.8	321.1	348.5	352.4	358.3	375.9	418.9	460.1
85°	215.3	217.3	213.4	207.5	199.7	205.6	203.6	207.5	215.3	229.1	236.9
87.5°	184.0	184.0	184.0	178.2	172.3	172.3	170.3	172.3	174.2	186.0	189.9
90°	162.5	162.5	162.5	158.6	154.7	154.7	156.6	154.7	158.6	170.3	176.2
92.5°	137.0	139.0	142.9	142.9	142.9	144.9	144.9	144.9	146.8	164.4	170.3
95°	101.8	99.8	107.7	113.5	115.5	119.4	119.4	119.4	123.3	139.0	144.9
97.5°	74.4	74.4	78.3	82.2	86.1	90.1	92.0	92.0	95.9	107.7	109.6
100°	52.9	52.9	56.8	60.7	62.6	68.5	70.5	70.5	70.5	78.3	78.3
102.5°	39.2	37.2	41.1	43.1	45.0	47.0	48.9	48.9	48.9	50.9	50.9
105°	23.5	23.5	25.5	27.4	29.4	29.4	31.3	31.3	29.4	29.4	29.4
107.5°	15.7	15.7	17.6	19.6	19.6	21.5	21.5	21.5	21.5	21.5	21.5
110°	11.7	11.7	13.7	15.7	15.7	17.6	17.6	17.6	17.6	15.7	15.7

REPORT NUMBER: P691546

CATALOG NUMBER: CRTK2-C016-D-U-T5R-7040-SR-CARETAKER

CANDELA DISTRIBUTION (continued):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
112.5°	9.8	9.8	11.7	11.7	13.7	13.7	13.7	13.7	13.7	13.7	13.7
115°	7.8	7.8	9.8	9.8	9.8	11.7	11.7	11.7	11.7	11.7	11.7
117.5°	5.9	5.9	7.8	7.8	9.8	9.8	9.8	9.8	9.8	9.8	9.8
120°	5.9	5.9	5.9	7.8	7.8	7.8	7.8	7.8	7.8	7.8	7.8
122.5°	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	7.8	7.8
125°	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
127.5°	3.9	3.9	3.9	3.9	5.9	5.9	5.9	5.9	5.9	5.9	5.9
130°	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	3.9	5.9	5.9
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	0.0
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	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	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	0.0
150°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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	0.0	0.0	0.0	0.0
162.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
165°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
167.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	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	0.0

(END OF REPORT)