

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: P691661

Luminaire Tested: **CRTK2-C018-D-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-4)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C018-D-U-T2-7030-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE II OPTIC AND U0 SHIELD WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5887 lumens
Efficiency: N/A
Efficacy: 116.8 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 50.4
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

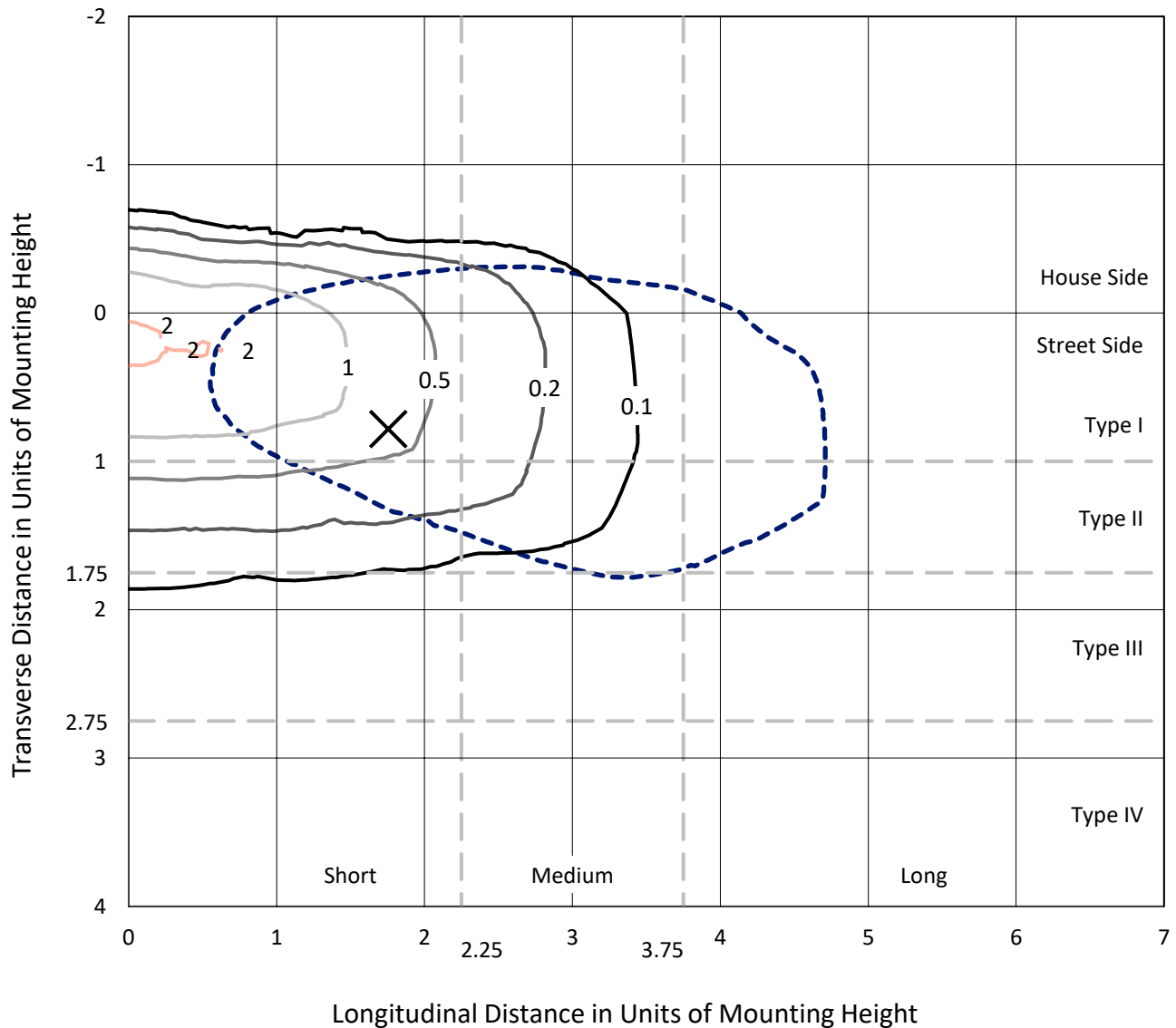


REPORT NUMBER: P691661

CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-U0-HSS-CRTK2

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
- - - 1/2 Max cd

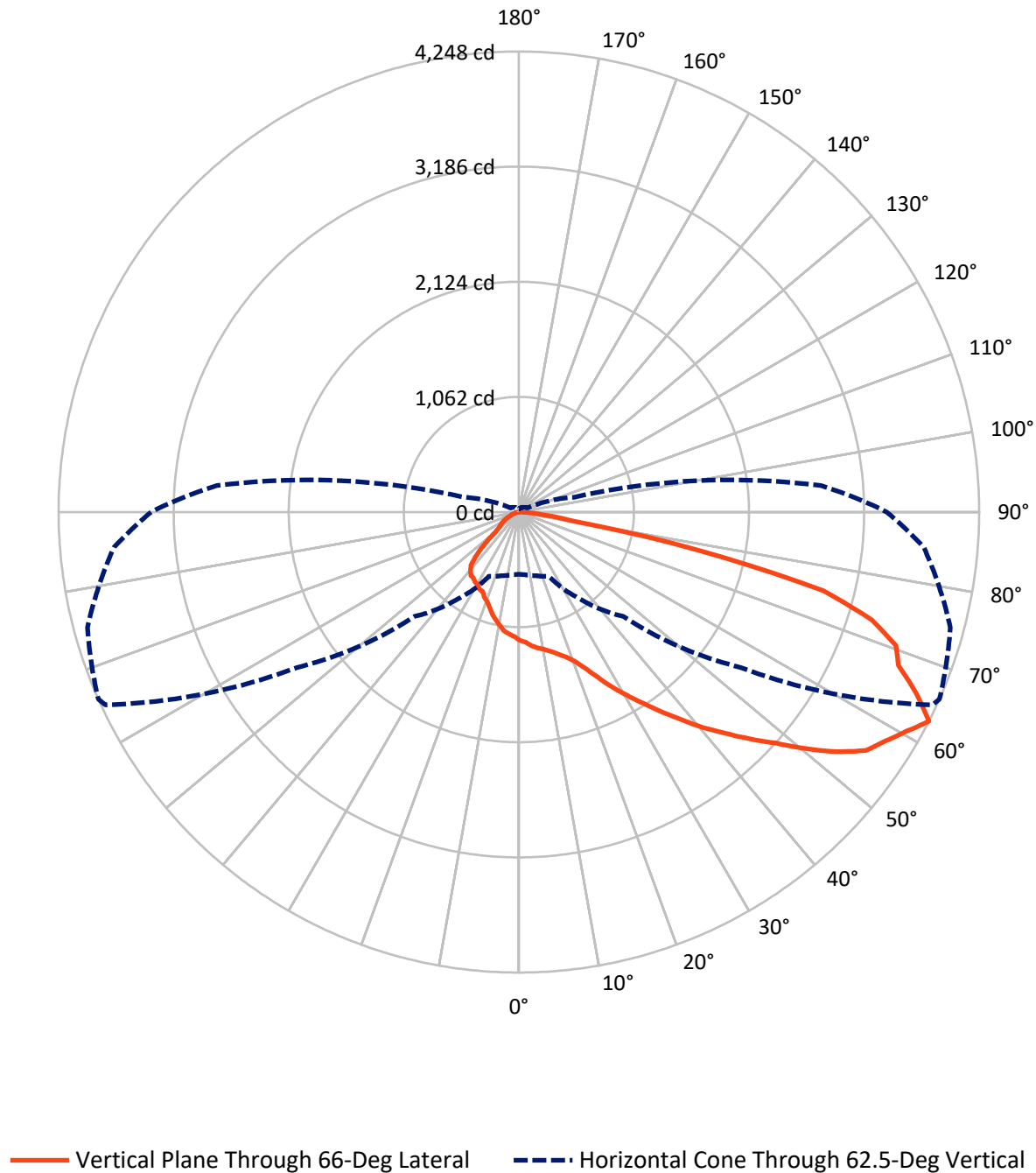


Based on 25 foot mounting height. Maximum calculated value = 2.1 fc
Type II - Short - N/A

REPORT NUMBER: P691661

CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-U0-HSS-CRTK2

Luminous Intensity Polar Plot



REPORT NUMBER: P691661

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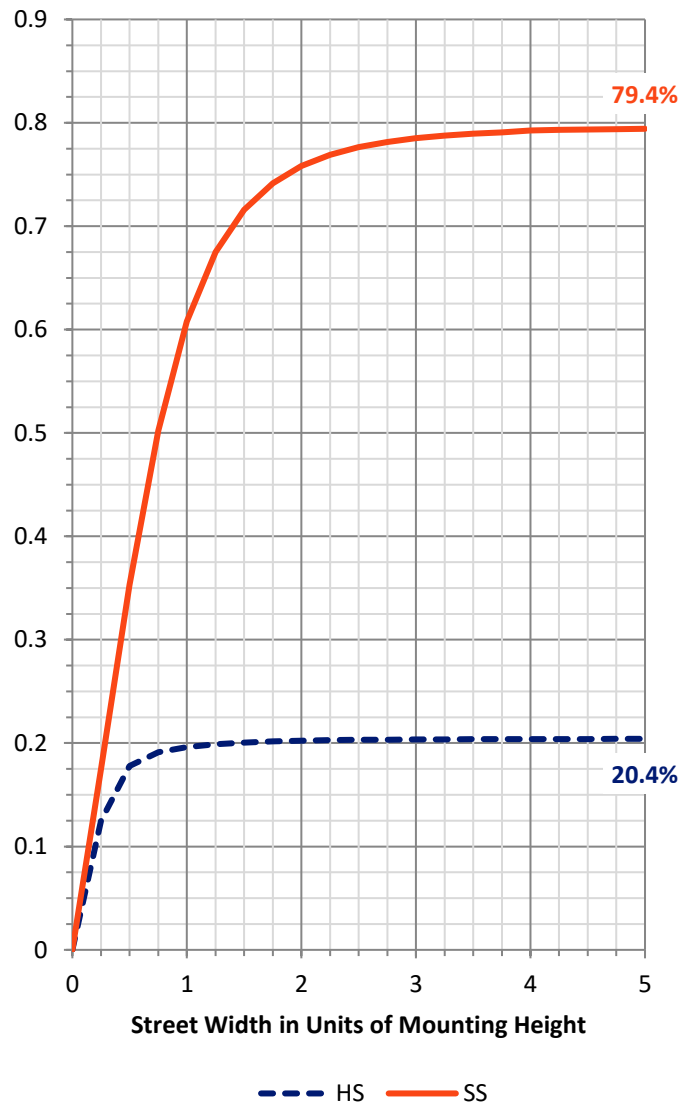
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1216.1	0.0	1216.1
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	4670.9	0.0	4670.9
	% Fixture	79.3	0.0	79.3
Total	Lumens	5887.0	0.0	5887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.9	1.9
10°-20°	318.6	5.4
20°-30°	522.8	8.9
30°-40°	769.3	13.1
40°-50°	1014.5	17.2
50°-60°	1181.0	20.1
60°-70°	1173.6	19.9
70°-80°	726.0	12.3
80°-90°	69.4	1.2
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°	5887.0	100.0
0°-180°	5887.0	100.0

Coefficient of Utilization



REPORT NUMBER: P691661

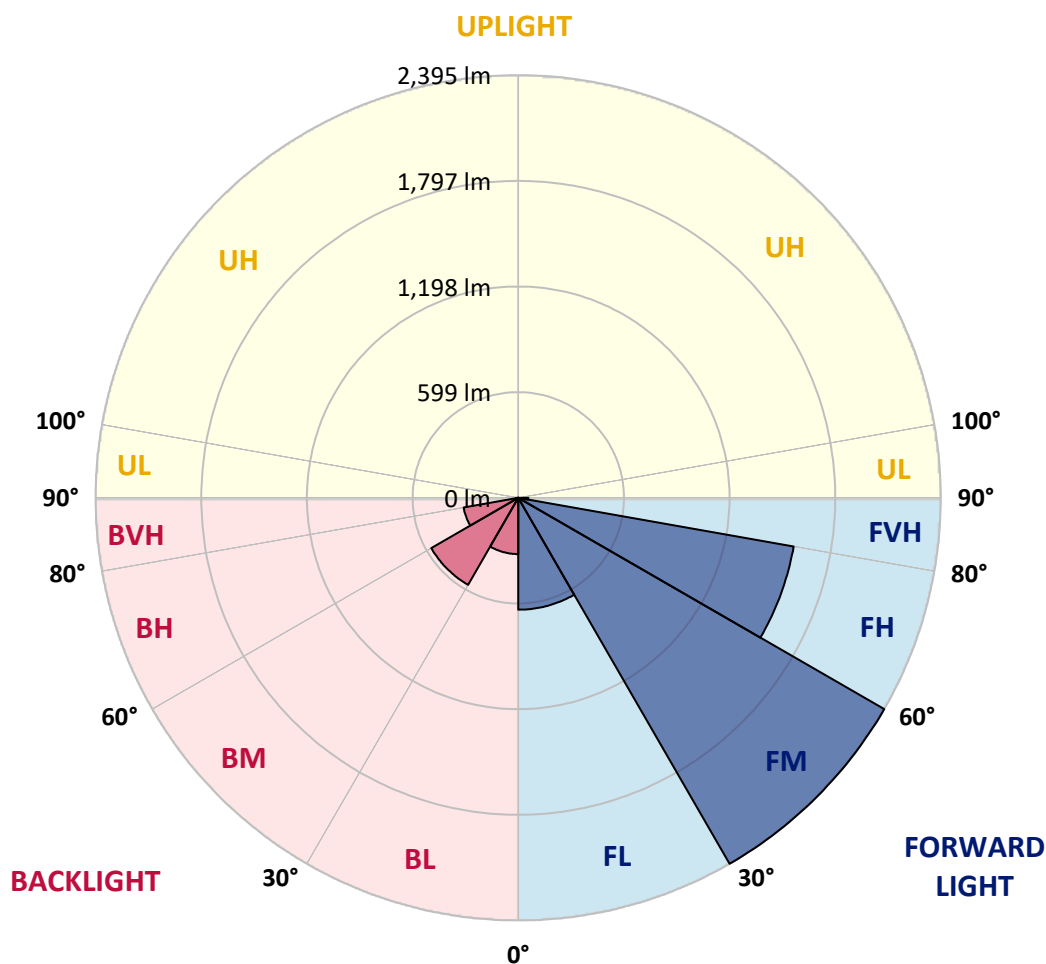
CATALOG NUMBER: CRTK2-C018-D-U-T2-7030-U0-HSS-CRTK2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	634.3	10.8			
FM	(30°-60°)	2395.4	40.7			
FH	(60°-80°)	1585.1	26.9			G1/1800
FVH	(80°-90°)	56.1	1.0			G1/100
BL	(0°-30°)	318.9	5.4	B1/500		
BM	(30°-60°)	569.4	9.7	B1/1000		
BH	(60°-80°)	314.4	5.3	B1/500		G1/500
BVH	(80°-90°)	13.3	0.2			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: P691661

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7
2.5°	1251.2	1251.2	1249.0	1233.5	1226.8	1217.9	1211.3	1204.6	1202.4	1195.8	1184.7
5°	1324.4	1322.2	1322.2	1308.9	1295.6	1277.8	1260.1	1242.4	1240.1	1222.4	1198.0
7.5°	1366.6	1366.6	1362.1	1353.3	1344.4	1333.3	1306.7	1269.0	1266.8	1242.4	1209.1
10°	1377.7	1379.9	1388.8	1366.6	1359.9	1348.8	1335.5	1295.6	1288.9	1253.4	1200.2
12.5°	1417.6	1417.6	1415.4	1395.4	1388.8	1379.9	1357.7	1326.7	1320.0	1275.6	1202.4
15°	1466.4	1468.6	1462.0	1444.2	1435.4	1424.3	1395.4	1362.1	1359.9	1302.2	1220.2
17.5°	1490.8	1490.8	1495.3	1470.9	1473.1	1468.6	1455.3	1408.7	1406.5	1353.3	1251.2
20°	1499.7	1501.9	1504.1	1504.1	1506.3	1501.9	1515.2	1475.3	1468.6	1408.7	1293.4
22.5°	1539.6	1544.1	1555.2	1548.5	1559.6	1566.2	1570.7	1572.9	1564.0	1501.9	1364.4
25°	1557.4	1568.5	1584.0	1608.4	1626.1	1639.5	1672.7	1688.3	1686.0	1632.8	1481.9
27.5°	1530.8	1544.1	1597.3	1639.5	1701.6	1737.1	1799.2	1819.2	1825.8	1777.0	1608.4
30°	1566.2	1570.7	1595.1	1648.3	1726.0	1832.5	1916.8	1961.1	1961.1	1923.4	1732.6
32.5°	1510.8	1524.1	1595.1	1692.7	1812.5	1927.9	2007.7	2103.1	2103.1	2085.4	1910.1
35°	1504.1	1510.8	1552.9	1661.6	1814.7	2025.5	2132.0	2245.1	2260.6	2262.9	2085.4
37.5°	1442.0	1455.3	1530.8	1670.5	1881.3	2085.4	2234.0	2409.3	2427.0	2451.4	2231.8
40°	1373.2	1377.7	1444.2	1590.7	1865.7	2163.0	2331.6	2593.4	2613.4	2646.6	2427.0
42.5°	1271.2	1288.9	1399.9	1559.6	1859.1	2187.4	2440.3	2766.4	2788.6	2835.2	2589.0
45°	1180.2	1186.9	1269.0	1446.5	1785.9	2222.9	2524.6	2970.5	2983.9	3012.7	2724.3
47.5°	1107.0	1111.5	1193.5	1346.6	1717.1	2214.0	2606.7	3154.7	3185.7	3230.1	2884.0
50°	887.4	911.8	1115.9	1264.5	1597.3	2198.5	2671.1	3385.4	3432.0	3449.7	3068.2
52.5°	756.5	760.9	867.4	1182.5	1473.1	2132.0	2733.2	3620.6	3673.8	3625.0	3290.0
55°	701.0	705.5	754.3	1018.3	1368.8	2003.3	2779.8	3846.8	3884.6	3764.8	3456.4
57.5°	665.5	674.4	696.6	827.5	1244.6	1788.1	2788.6	3971.1	3986.6	3875.7	3540.7
60°	616.7	616.7	661.1	723.2	1109.2	1557.4	2715.4	4033.2	4108.6	4002.1	3696.0
62.5°	574.6	579.0	607.9	654.5	976.1	1362.1	2500.2	4210.7	4248.4	4121.9	3751.5
65°	525.8	530.2	556.8	603.4	887.4	1253.4	2384.9	4139.7	4028.8	4090.9	3820.2
67.5°	470.3	472.5	499.2	541.3	745.4	1155.8	2107.6	3869.0	3778.1	3944.5	3629.4
70°	414.9	414.9	437.0	470.3	607.9	1013.8	1741.5	3622.8	3691.6	3700.4	3440.9
72.5°	346.1	348.3	370.5	399.3	488.1	847.5	1377.7	3376.5	3407.6	3290.0	3026.0
75°	248.5	257.3	281.7	310.6	386.0	672.2	978.4	2744.3	2906.2	3114.7	2600.1
77.5°	37.7	37.7	46.6	71.0	126.5	337.2	452.6	1515.2	1681.6	2606.7	2271.7
80°	31.1	31.1	33.3	46.6	73.2	188.6	146.4	474.8	510.3	1198.0	1280.1
82.5°	15.5	15.5	24.4	33.3	44.4	55.5	62.1	228.5	264.0	408.2	510.3
85°	8.9	8.9	11.1	15.5	17.7	17.7	20.0	108.7	113.1	221.8	230.7
87.5°	2.2	2.2	4.4	4.4	4.4	2.2	2.2	2.2	2.2	2.2	2.2
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: P691661

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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7	1184.7
2.5°	1180.2	1173.6	1160.3	1149.2	1142.5	1129.2	1118.1	1109.2	1104.8	1115.9	1118.1
5°	1182.5	1166.9	1142.5	1127.0	1109.2	1087.1	1060.4	1044.9	1038.2	1040.5	1047.1
7.5°	1186.9	1164.7	1135.9	1102.6	1056.0	1011.6	980.6	962.8	953.9	965.0	965.0
10°	1173.6	1149.2	1109.2	1058.2	998.3	953.9	918.5	887.4	876.3	880.7	883.0
12.5°	1173.6	1140.3	1073.7	1011.6	956.2	883.0	829.7	800.9	789.8	792.0	796.4
15°	1180.2	1135.9	1042.7	967.3	885.2	807.5	760.9	725.4	714.4	703.3	707.7
17.5°	1202.4	1129.2	1027.2	907.4	816.4	743.2	678.9	638.9	630.0	630.0	632.3
20°	1224.6	1138.1	1000.5	863.0	754.3	663.3	596.8	567.9	548.0	539.1	548.0
22.5°	1271.2	1169.1	982.8	834.1	689.9	603.4	541.3	477.0	441.5	425.9	430.4
25°	1355.5	1224.6	996.1	783.1	654.5	548.0	461.4	383.8	335.0	319.5	323.9
27.5°	1486.4	1315.6	1011.6	778.7	590.1	492.5	374.9	290.6	252.9	237.4	241.8
30°	1615.1	1439.8	1062.7	734.3	565.7	403.8	284.0	224.1	186.4	170.8	175.3
32.5°	1726.0	1559.6	1127.0	723.2	501.4	303.9	213.0	166.4	137.5	124.2	126.5
35°	1890.1	1661.6	1182.5	689.9	425.9	228.5	155.3	119.8	104.3	99.8	99.8
37.5°	2036.6	1781.4	1235.7	678.9	319.5	170.8	110.9	97.6	95.4	88.7	88.7
40°	2189.6	1907.9	1260.1	638.9	232.9	119.8	91.0	91.0	88.7	82.1	82.1
42.5°	2369.3	2036.6	1282.3	592.3	166.4	91.0	84.3	86.5	84.3	77.6	75.4
45°	2498.0	2116.4	1288.9	474.8	115.4	86.5	79.9	82.1	79.9	75.4	73.2
47.5°	2615.6	2231.8	1260.1	332.8	93.2	82.1	77.6	77.6	77.6	71.0	68.8
50°	2737.6	2327.2	1235.7	179.7	91.0	79.9	73.2	71.0	73.2	68.8	66.6
52.5°	2899.6	2400.4	1171.4	122.0	88.7	77.6	71.0	66.6	68.8	64.3	66.6
55°	3114.7	2593.4	1053.8	115.4	88.7	75.4	68.8	62.1	62.1	59.9	59.9
57.5°	3212.4	2666.6	865.2	110.9	86.5	75.4	64.3	57.7	53.2	51.0	48.8
60°	3332.2	2773.1	667.8	102.1	79.9	71.0	57.7	51.0	44.4	42.2	42.2
62.5°	3394.3	2797.5	528.0	91.0	73.2	62.1	51.0	42.2	35.5	31.1	31.1
65°	3429.8	2784.2	368.3	82.1	64.3	55.5	44.4	35.5	26.6	24.4	22.2
67.5°	3310.0	2704.3	215.2	71.0	55.5	48.8	37.7	28.8	22.2	20.0	17.7
70°	3070.4	2460.3	135.3	62.1	48.8	42.2	33.3	24.4	17.7	15.5	15.5
72.5°	2813.0	1983.3	93.2	48.8	37.7	33.3	24.4	20.0	15.5	11.1	11.1
75°	2531.3	1721.5	68.8	35.5	26.6	24.4	20.0	15.5	13.3	8.9	8.9
77.5°	1794.8	1140.3	55.5	26.6	17.7	15.5	13.3	11.1	8.9	8.9	6.7
80°	1060.4	556.8	42.2	17.7	13.3	11.1	8.9	8.9	6.7	6.7	6.7
82.5°	397.1	213.0	28.8	13.3	8.9	8.9	6.7	6.7	4.4	4.4	4.4
85°	144.2	53.2	13.3	6.7	6.7	4.4	4.4	4.4	4.4	4.4	4.4
87.5°	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2	2.2
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)