

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: P691385

Luminaire Tested: **CRTK2-C016-5TLD-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691385
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-C016-5TLD-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: 5302 lumens
Efficiency: N/A
Efficacy: 123.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 42.8
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

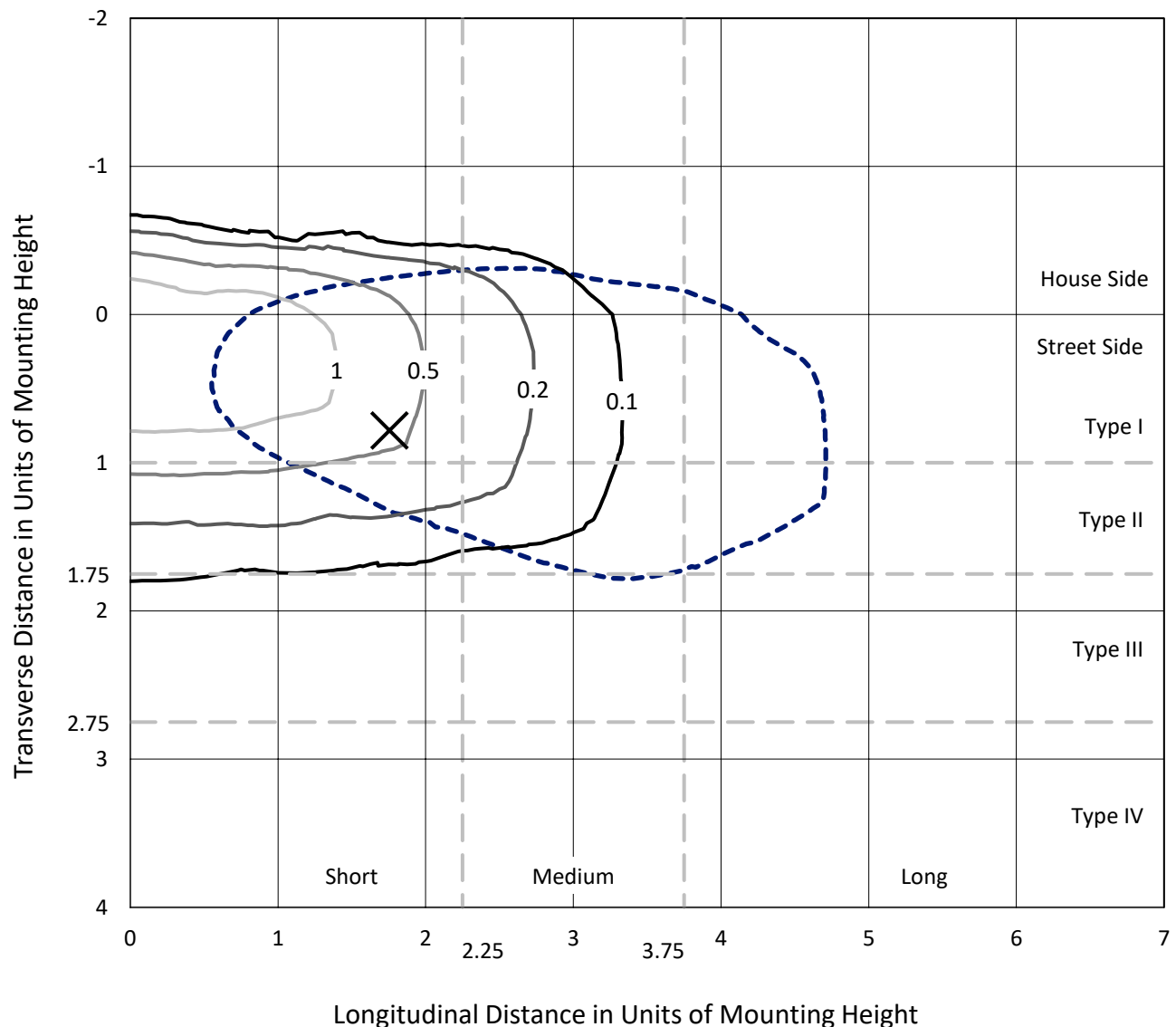


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

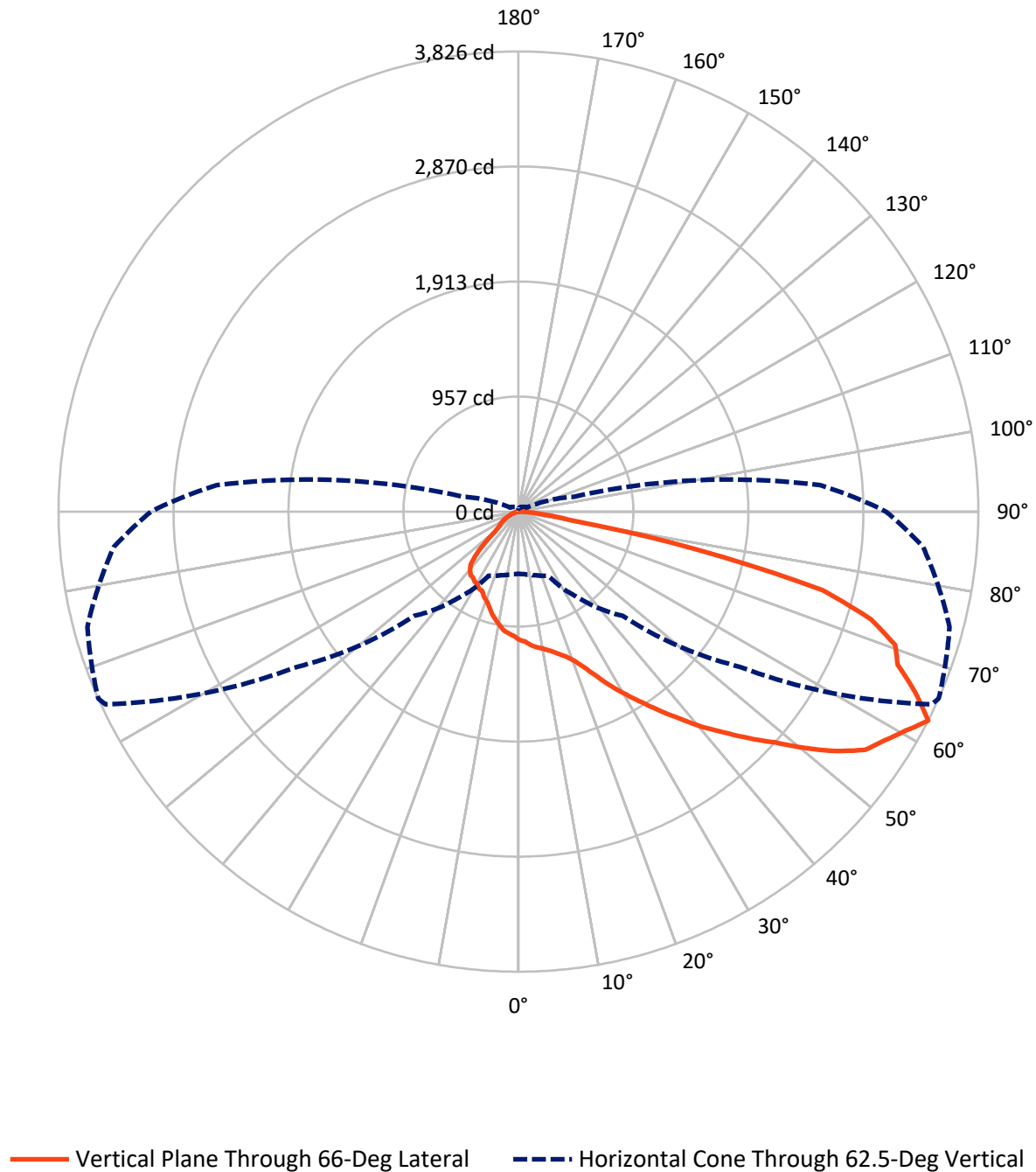


Based on 25 foot mounting height. Maximum calculated value = 1.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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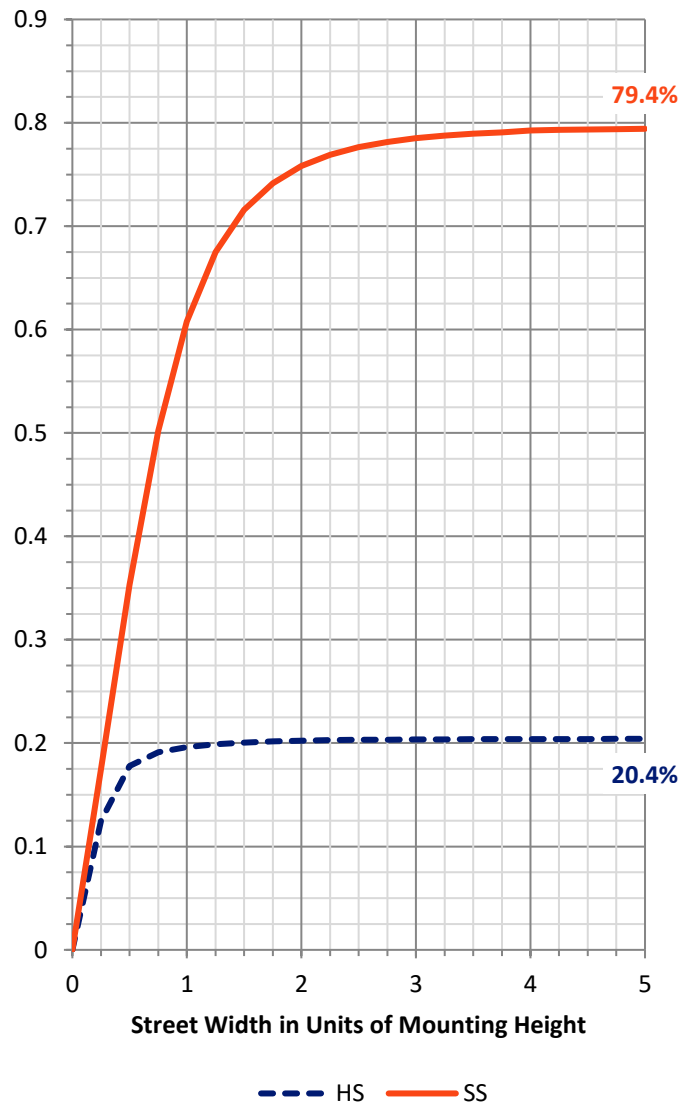
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1095.3	0.0	1095.3
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	4206.7	0.0	4206.7
	% Fixture	79.3	0.0	79.3
Total	Lumens	5302.0	0.0	5302.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	100.7	1.9
10°-20°	287.0	5.4
20°-30°	470.8	8.9
30°-40°	692.8	13.1
40°-50°	913.7	17.2
50°-60°	1063.6	20.1
60°-70°	1056.9	19.9
70°-80°	653.8	12.3
80°-90°	62.5	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°	5302.0	100.0
0°-180°	5302.0	100.0

Coefficient of Utilization



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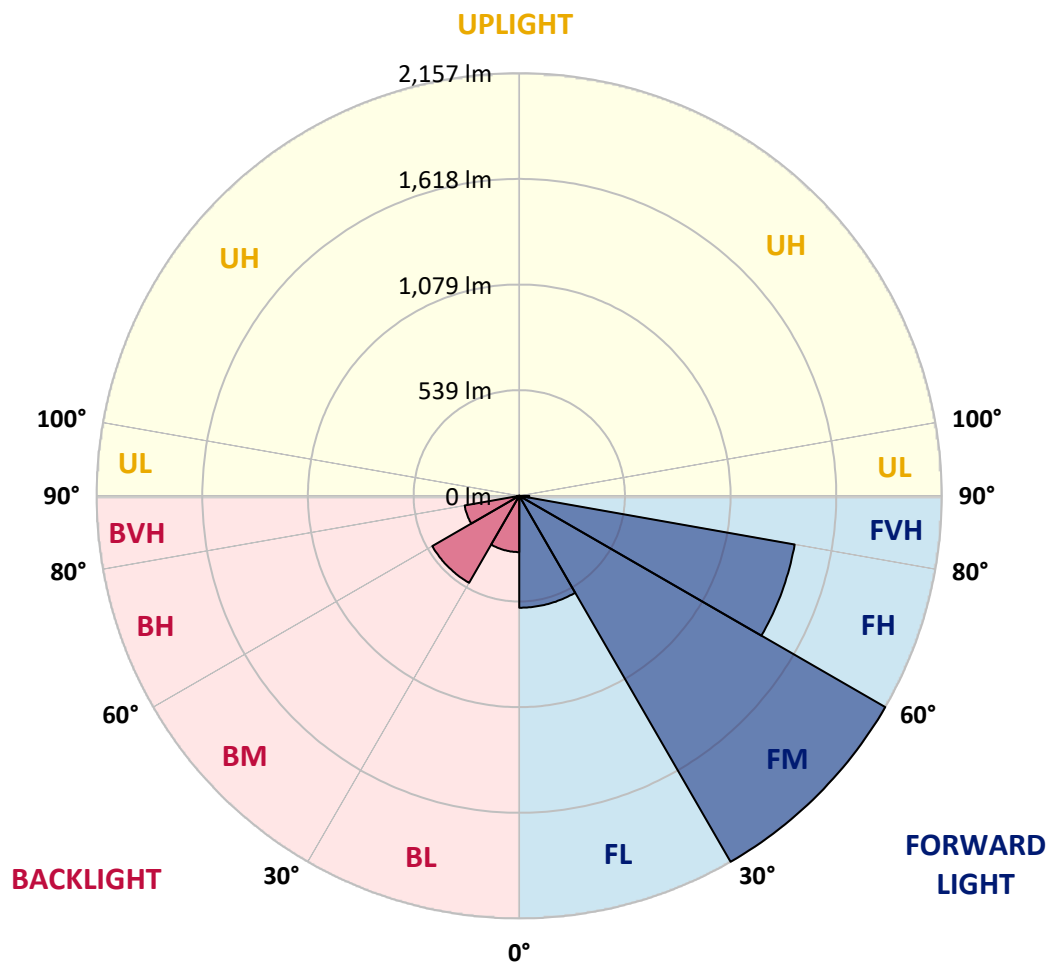
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	571.3	10.8			
FM	(30°-60°)	2157.3	40.7			
FH	(60°-80°)	1427.6	26.9			G1/1800
FVH	(80°-90°)	50.5	1.0			G1/100
BL	(0°-30°)	287.2	5.4	B1/500		
BM	(30°-60°)	512.8	9.7	B1/1000		
BH	(60°-80°)	283.2	5.3	B1/500		G1/500
BVH	(80°-90°)	12.0	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1126.9	1126.9	1124.9	1110.9	1104.9	1096.9	1090.9	1084.9	1082.9	1076.9	1066.9
5°	1192.8	1190.8	1190.8	1178.8	1166.8	1150.9	1134.9	1118.9	1116.9	1100.9	1078.9
7.5°	1230.8	1230.8	1226.8	1218.8	1210.8	1200.8	1176.8	1142.9	1140.9	1118.9	1088.9
10°	1240.8	1242.8	1250.8	1230.8	1224.8	1214.8	1202.8	1166.8	1160.9	1128.9	1080.9
12.5°	1276.7	1276.7	1274.7	1256.8	1250.8	1242.8	1222.8	1194.8	1188.8	1148.9	1082.9
15°	1320.7	1322.7	1316.7	1300.7	1292.7	1282.7	1256.8	1226.8	1224.8	1172.8	1098.9
17.5°	1342.7	1342.7	1346.7	1324.7	1326.7	1322.7	1310.7	1268.7	1266.8	1218.8	1126.9
20°	1350.7	1352.7	1354.7	1354.7	1356.7	1352.7	1364.7	1328.7	1322.7	1268.7	1164.9
22.5°	1386.6	1390.6	1400.6	1394.6	1404.6	1410.6	1414.6	1416.6	1408.6	1352.7	1228.8
25°	1402.6	1412.6	1426.6	1448.6	1464.6	1476.5	1506.5	1520.5	1518.5	1470.5	1334.7
27.5°	1378.6	1390.6	1438.6	1476.5	1532.5	1564.5	1620.4	1638.4	1644.4	1600.4	1448.6
30°	1410.6	1414.6	1436.6	1484.5	1554.5	1650.4	1726.3	1766.3	1766.3	1732.3	1560.5
32.5°	1360.7	1372.6	1436.6	1524.5	1632.4	1736.3	1808.2	1894.1	1894.1	1878.1	1720.3
35°	1354.7	1360.7	1398.6	1496.5	1634.4	1824.2	1920.1	2022.0	2036.0	2038.0	1878.1
37.5°	1298.7	1310.7	1378.6	1504.5	1694.3	1878.1	2012.0	2169.9	2185.8	2207.8	2010.0
40°	1236.8	1240.8	1300.7	1432.6	1680.3	1948.1	2099.9	2335.7	2353.7	2383.6	2185.8
42.5°	1144.9	1160.9	1260.8	1404.6	1674.3	1970.1	2197.8	2491.5	2511.5	2553.5	2331.7
45°	1063.0	1068.9	1142.9	1302.7	1608.4	2002.0	2273.8	2675.4	2687.3	2713.3	2453.6
47.5°	997.0	1001.0	1074.9	1212.8	1546.5	1994.0	2347.7	2841.2	2869.2	2909.1	2597.4
50°	799.2	821.2	1005.0	1138.9	1438.6	1980.0	2405.6	3049.0	3091.0	3106.9	2763.3
52.5°	681.3	685.3	781.2	1064.9	1326.7	1920.1	2461.6	3260.8	3308.7	3264.8	2963.1
55°	631.4	635.4	679.3	917.1	1232.8	1804.2	2503.5	3464.6	3498.5	3390.7	3112.9
57.5°	599.4	607.4	627.4	745.3	1120.9	1610.4	2511.5	3576.5	3590.5	3490.6	3188.9
60°	555.5	555.5	595.4	651.4	999.0	1402.6	2445.6	3632.4	3700.3	3604.4	3328.7
62.5°	517.5	521.5	547.5	589.4	879.1	1226.8	2251.8	3792.3	3826.2	3712.3	3378.7
65°	473.5	477.5	501.5	543.5	799.2	1128.9	2147.9	3728.3	3628.4	3684.4	3440.6
67.5°	423.6	425.6	449.6	487.5	671.3	1041.0	1898.1	3484.6	3402.6	3552.5	3268.8
70°	373.6	373.6	393.6	423.6	547.5	913.1	1568.5	3262.8	3324.7	3332.7	3098.9
72.5°	311.7	313.7	333.7	359.6	439.6	763.2	1240.8	3041.0	3069.0	2963.1	2725.3
75°	223.8	231.8	253.7	279.7	347.7	605.4	881.1	2471.6	2617.4	2805.2	2341.7
77.5°	34.0	34.0	42.0	63.9	113.9	303.7	407.6	1364.7	1514.5	2347.7	2046.0
80°	28.0	28.0	30.0	42.0	65.9	169.8	131.9	427.6	459.5	1078.9	1152.9
82.5°	14.0	14.0	22.0	30.0	40.0	50.0	55.9	205.8	237.8	367.6	459.5
85°	8.0	8.0	10.0	14.0	16.0	16.0	18.0	97.9	101.9	199.8	207.8
87.5°	2.0	2.0	4.0	4.0	4.0	2.0	2.0	2.0	2.0	2.0	2.0
90°	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°	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9	1066.9
2.5°	1063.0	1057.0	1045.0	1035.0	1029.0	1017.0	1007.0	999.0	995.0	1005.0	1007.0
5°	1064.9	1051.0	1029.0	1015.0	999.0	979.0	955.1	941.1	935.1	937.1	943.1
7.5°	1068.9	1049.0	1023.0	993.0	951.1	911.1	883.1	867.1	859.2	869.1	869.1
10°	1057.0	1035.0	999.0	953.1	899.1	859.2	827.2	799.2	789.2	793.2	795.2
12.5°	1057.0	1027.0	967.0	911.1	861.2	795.2	747.3	721.3	711.3	713.3	717.3
15°	1063.0	1023.0	939.1	871.1	797.2	727.3	685.3	653.4	643.4	633.4	637.4
17.5°	1082.9	1017.0	925.1	817.2	735.3	669.3	611.4	575.4	567.4	567.4	569.4
20°	1102.9	1025.0	901.1	777.2	679.3	597.4	537.5	511.5	493.5	485.5	493.5
22.5°	1144.9	1053.0	885.1	751.3	621.4	543.5	487.5	429.6	397.6	383.6	387.6
25°	1220.8	1102.9	897.1	705.3	589.4	493.5	415.6	345.7	301.7	287.7	291.7
27.5°	1338.7	1184.8	911.1	701.3	531.5	443.6	337.7	261.7	227.8	213.8	217.8
30°	1454.6	1296.7	957.1	661.3	509.5	363.6	255.7	201.8	167.8	153.8	157.8
32.5°	1554.5	1404.6	1015.0	651.4	451.6	273.7	191.8	149.9	123.9	111.9	113.9
35°	1702.3	1496.5	1064.9	621.4	383.6	205.8	139.9	107.9	93.9	89.9	89.9
37.5°	1834.2	1604.4	1112.9	611.4	287.7	153.8	99.9	87.9	85.9	79.9	79.9
40°	1972.1	1718.3	1134.9	575.4	209.8	107.9	81.9	81.9	79.9	73.9	73.9
42.5°	2133.9	1834.2	1154.9	533.5	149.9	81.9	75.9	77.9	75.9	69.9	67.9
45°	2249.8	1906.1	1160.9	427.6	103.9	77.9	71.9	73.9	71.9	67.9	65.9
47.5°	2355.7	2010.0	1134.9	299.7	83.9	73.9	69.9	69.9	69.9	63.9	61.9
50°	2465.6	2095.9	1112.9	161.8	81.9	71.9	65.9	63.9	65.9	61.9	59.9
52.5°	2611.4	2161.9	1055.0	109.9	79.9	69.9	63.9	59.9	61.9	57.9	59.9
55°	2805.2	2335.7	949.1	103.9	79.9	67.9	61.9	55.9	55.9	53.9	53.9
57.5°	2893.1	2401.6	779.2	99.9	77.9	67.9	57.9	51.9	48.0	46.0	44.0
60°	3001.0	2497.5	601.4	91.9	71.9	63.9	51.9	46.0	40.0	38.0	38.0
62.5°	3057.0	2519.5	475.5	81.9	65.9	55.9	46.0	38.0	32.0	28.0	28.0
65°	3089.0	2507.5	331.7	73.9	57.9	50.0	40.0	32.0	24.0	22.0	20.0
67.5°	2981.1	2435.6	193.8	63.9	50.0	44.0	34.0	26.0	20.0	18.0	16.0
70°	2765.3	2215.8	121.9	55.9	44.0	38.0	30.0	22.0	16.0	14.0	14.0
72.5°	2533.5	1786.2	83.9	44.0	34.0	30.0	22.0	18.0	14.0	10.0	10.0
75°	2279.8	1550.5	61.9	32.0	24.0	22.0	18.0	14.0	12.0	8.0	8.0
77.5°	1616.4	1027.0	50.0	24.0	16.0	14.0	12.0	10.0	8.0	8.0	6.0
80°	955.1	501.5	38.0	16.0	12.0	10.0	8.0	8.0	6.0	6.0	6.0
82.5°	357.6	191.8	26.0	12.0	8.0	8.0	6.0	6.0	4.0	4.0	4.0
85°	129.9	48.0	12.0	6.0	6.0	4.0	4.0	4.0	4.0	4.0	4.0
87.5°	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0	2.0
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)