

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: P691937

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7030-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691937
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-C01HO-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: 9902 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

Input Watts (W): 79
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

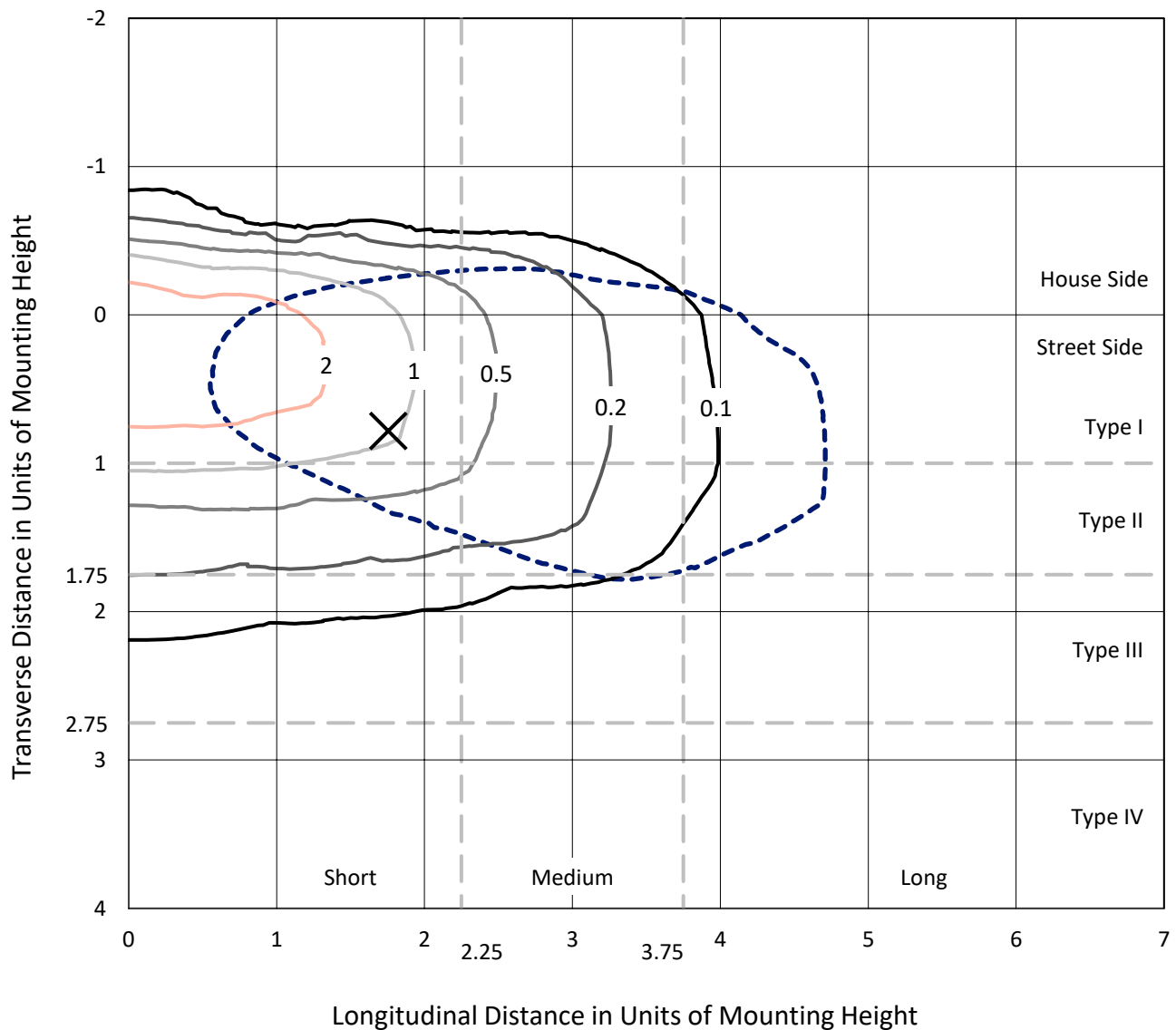


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

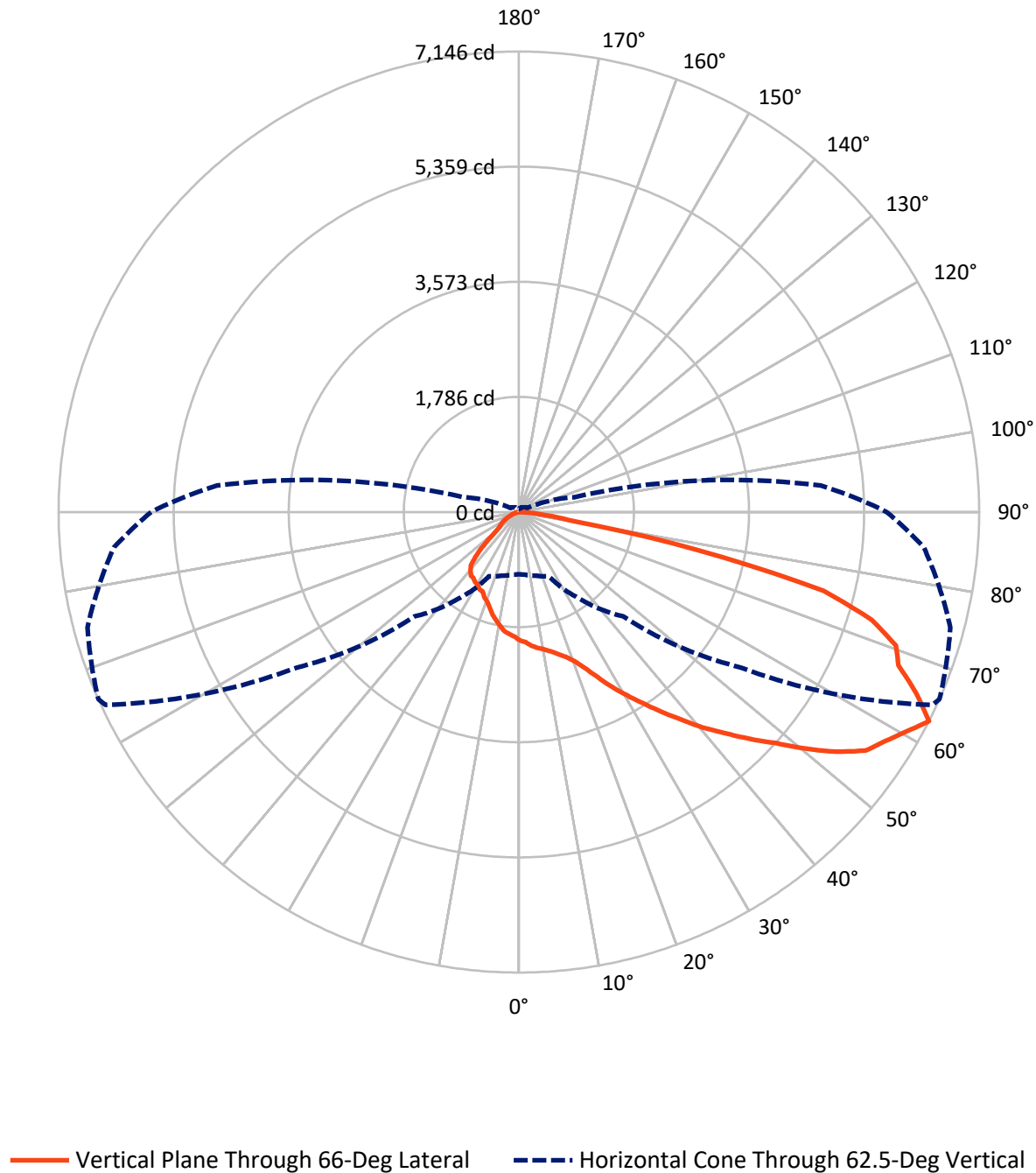


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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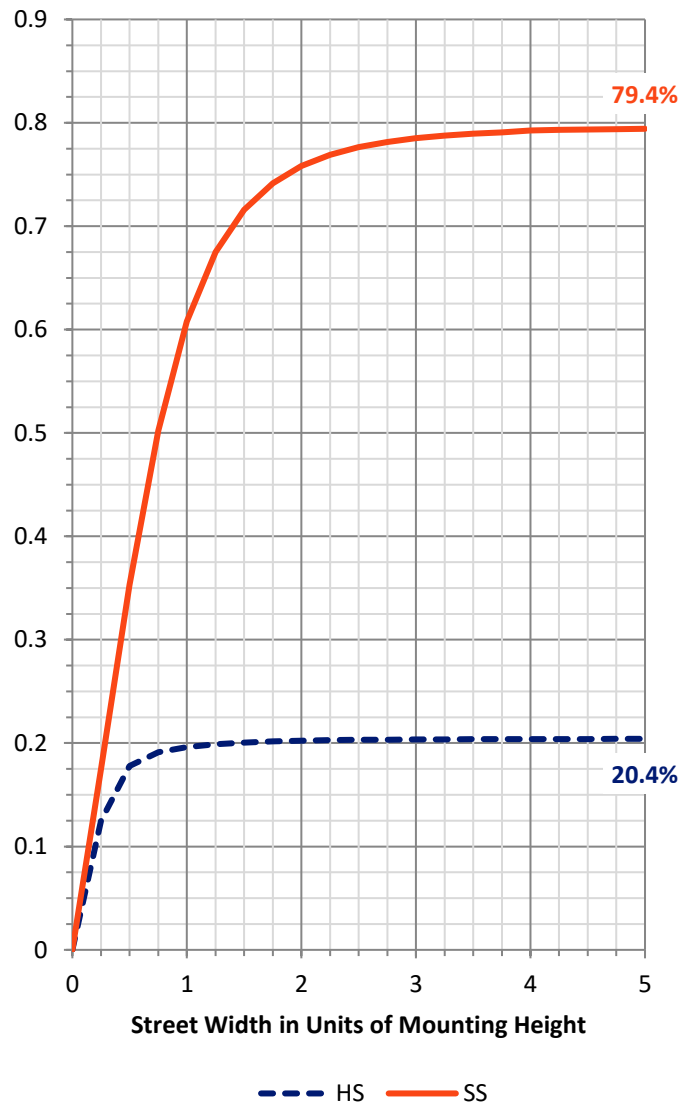
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2045.5	0.0	2045.5
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	7856.5	0.0	7856.5
	% Fixture	79.3	0.0	79.3
Total	Lumens	9902.0	0.0	9902.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	188.1	1.9
10°-20°	536.0	5.4
20°-30°	879.3	8.9
30°-40°	1293.9	13.1
40°-50°	1706.5	17.2
50°-60°	1986.5	20.1
60°-70°	1973.9	19.9
70°-80°	1221.1	12.3
80°-90°	116.8	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°	9902.0	100.0
0°-180°	9902.0	100.0

Coefficient of Utilization



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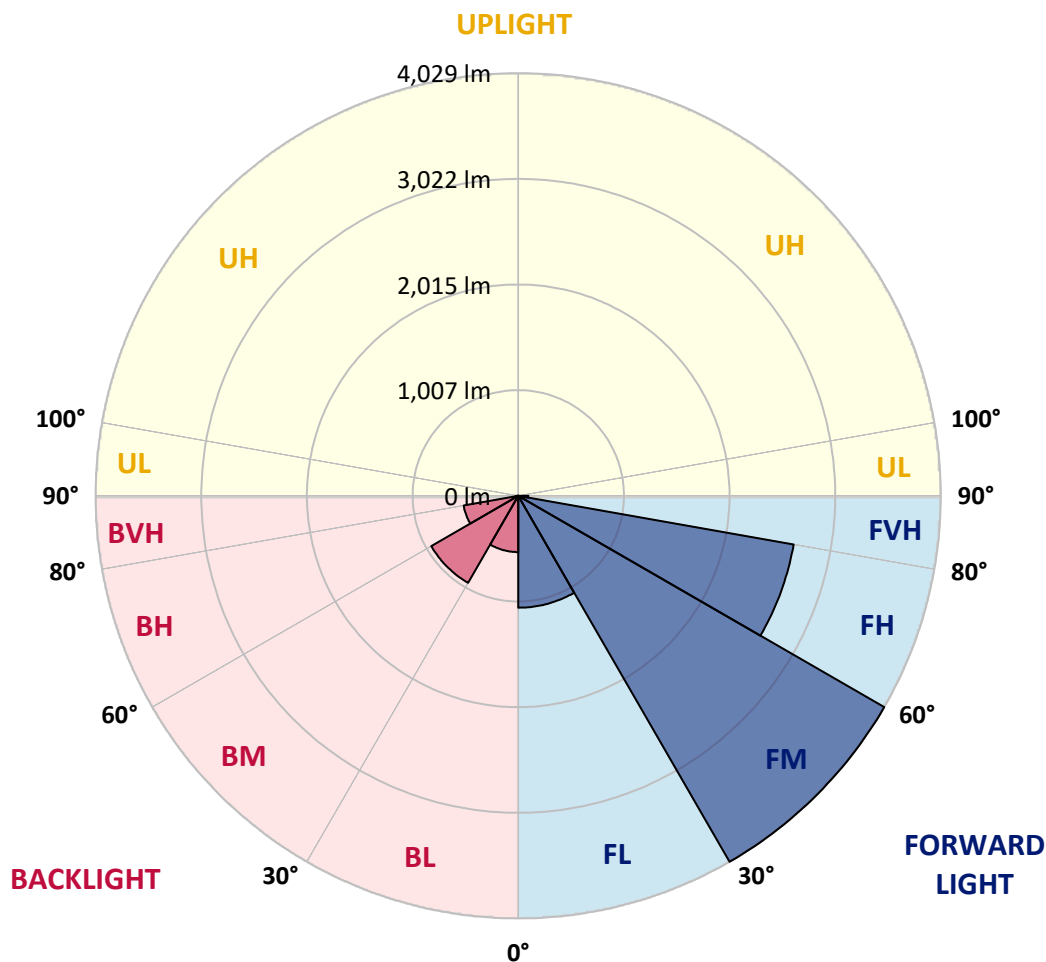
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1067.0	10.8			
FM	(30°-60°)	4029.0	40.7			
FH	(60°-80°)	2666.2	26.9			G2/5000
FVH	(80°-90°)	94.3	1.0			G1/100
BL	(0°-30°)	536.5	5.4	B2/1000		
BM	(30°-60°)	957.8	9.7	B1/1000		
BH	(60°-80°)	528.8	5.3	B2/1000		G2/1000
BVH	(80°-90°)	22.5	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6
2.5°	2104.6	2104.6	2100.8	2074.7	2063.5	2048.6	2037.4	2026.2	2022.5	2011.3	1992.6
5°	2227.7	2224.0	2224.0	2201.6	2179.2	2149.4	2119.5	2089.6	2085.9	2056.1	2015.0
7.5°	2298.6	2298.6	2291.1	2276.2	2261.3	2242.6	2197.9	2134.4	2130.7	2089.6	2033.7
10°	2317.3	2321.0	2335.9	2298.6	2287.4	2268.8	2246.4	2179.2	2168.0	2108.3	2018.7
12.5°	2384.4	2384.4	2380.7	2347.1	2335.9	2321.0	2283.7	2231.4	2220.2	2145.6	2022.5
15°	2466.5	2470.3	2459.1	2429.2	2414.3	2395.6	2347.1	2291.1	2287.4	2190.4	2052.3
17.5°	2507.6	2507.6	2515.0	2474.0	2477.7	2470.3	2447.9	2369.5	2365.8	2276.2	2104.6
20°	2522.5	2526.2	2530.0	2530.0	2533.7	2526.2	2548.6	2481.5	2470.3	2369.5	2175.5
22.5°	2589.7	2597.1	2615.8	2604.6	2623.3	2634.4	2641.9	2645.6	2630.7	2526.2	2294.9
25°	2619.5	2638.2	2664.3	2705.3	2735.2	2757.6	2813.6	2839.7	2835.9	2746.4	2492.7
27.5°	2574.7	2597.1	2686.7	2757.6	2862.1	2921.8	3026.3	3059.8	3071.0	2988.9	2705.3
30°	2634.4	2641.9	2683.0	2772.5	2903.1	3082.2	3224.0	3298.7	3298.7	3235.2	2914.3
32.5°	2541.2	2563.5	2683.0	2847.1	3048.6	3242.7	3377.0	3537.5	3537.5	3507.6	3212.8
35°	2530.0	2541.2	2612.1	2794.9	3052.4	3406.9	3586.0	3776.3	3802.4	3806.1	3507.6
37.5°	2425.5	2447.9	2574.7	2809.8	3164.3	3507.6	3757.6	4052.4	4082.3	4123.3	3753.9
40°	2309.8	2317.3	2429.2	2675.5	3138.2	3638.2	3921.8	4362.1	4395.7	4451.7	4082.3
42.5°	2138.2	2168.0	2354.6	2623.3	3127.0	3679.3	4104.7	4653.2	4690.5	4768.9	4354.7
45°	1985.2	1996.4	2134.4	2432.9	3003.9	3739.0	4246.5	4996.5	5018.9	5067.4	4582.3
47.5°	1862.0	1869.5	2007.6	2265.0	2888.2	3724.0	4384.5	5306.2	5358.5	5433.1	4851.0
50°	1492.6	1533.7	1877.0	2127.0	2686.7	3697.9	4492.7	5694.3	5772.6	5802.5	5160.7
52.5°	1272.4	1279.9	1459.0	1988.9	2477.7	3586.0	4597.2	6089.8	6179.4	6097.3	5533.8
55°	1179.2	1186.6	1268.7	1712.8	2302.3	3369.6	4675.6	6470.4	6533.9	6332.4	5813.7
57.5°	1119.5	1134.4	1171.7	1391.9	2093.4	3007.6	4690.5	6679.4	6705.5	6519.0	5955.5
60°	1037.4	1037.4	1112.0	1216.5	1865.8	2619.5	4567.4	6783.9	6910.8	6731.6	6216.7
62.5°	966.5	973.9	1022.4	1100.8	1641.9	2291.1	4205.4	7082.4	7145.8	6933.2	6310.0
65°	884.4	891.8	936.6	1015.0	1492.6	2108.3	4011.4	6963.0	6776.4	6880.9	6425.7
67.5°	791.1	794.8	839.6	910.5	1253.8	1944.1	3544.9	6507.8	6354.8	6634.6	6104.8
70°	697.8	697.8	735.1	791.1	1022.4	1705.3	2929.2	6093.6	6209.2	6224.2	5787.6
72.5°	582.1	585.8	623.2	671.7	820.9	1425.4	2317.3	5679.4	5731.6	5533.8	5089.8
75°	417.9	432.9	473.9	522.4	649.3	1130.6	1645.6	4615.9	4888.3	5239.0	4373.3
77.5°	63.4	63.4	78.4	119.4	212.7	567.2	761.2	2548.6	2828.5	4384.5	3821.1
80°	52.2	52.2	56.0	78.4	123.1	317.2	246.3	798.5	858.2	2015.0	2153.1
82.5°	26.1	26.1	41.0	56.0	74.6	93.3	104.5	384.3	444.0	686.6	858.2
85°	14.9	14.9	18.7	26.1	29.9	29.9	33.6	182.8	190.3	373.2	388.1
87.5°	3.7	3.7	7.5	7.5	7.5	3.7	3.7	3.7	3.7	3.7	3.7
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°	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6	1992.6
2.5°	1985.2	1974.0	1951.6	1932.9	1921.7	1899.3	1880.7	1865.8	1858.3	1877.0	1880.7
5°	1988.9	1962.8	1921.7	1895.6	1865.8	1828.4	1783.7	1757.5	1746.3	1750.1	1761.3
7.5°	1996.4	1959.0	1910.5	1854.6	1776.2	1701.6	1649.3	1619.5	1604.6	1623.2	1623.2
10°	1974.0	1932.9	1865.8	1779.9	1679.2	1604.6	1544.8	1492.6	1473.9	1481.4	1485.1
12.5°	1974.0	1918.0	1806.1	1701.6	1608.3	1485.1	1395.6	1347.1	1328.4	1332.1	1339.6
15°	1985.2	1910.5	1753.8	1626.9	1488.9	1358.3	1279.9	1220.2	1201.5	1182.9	1190.4
17.5°	2022.5	1899.3	1727.7	1526.2	1373.2	1250.1	1141.8	1074.7	1059.7	1059.7	1063.5
20°	2059.8	1914.3	1682.9	1451.6	1268.7	1115.7	1003.8	955.3	921.7	906.8	921.7
22.5°	2138.2	1966.5	1653.1	1403.0	1160.5	1015.0	910.5	802.3	742.6	716.5	723.9
25°	2280.0	2059.8	1675.4	1317.2	1100.8	921.7	776.2	645.6	563.5	537.3	544.8
27.5°	2500.1	2212.8	1701.6	1309.8	992.6	828.4	630.6	488.8	425.4	399.3	406.7
30°	2716.5	2421.8	1787.4	1235.1	951.5	679.1	477.6	376.9	313.4	287.3	294.8
32.5°	2903.1	2623.3	1895.6	1216.5	843.3	511.2	358.2	279.9	231.4	209.0	212.7
35°	3179.2	2794.9	1988.9	1160.5	716.5	384.3	261.2	201.5	175.4	167.9	167.9
37.5°	3425.5	2996.4	2078.5	1141.8	537.3	287.3	186.6	164.2	160.5	149.3	149.3
40°	3683.0	3209.1	2119.5	1074.7	391.8	201.5	153.0	153.0	149.3	138.1	138.1
42.5°	3985.3	3425.5	2156.8	996.3	279.9	153.0	141.8	145.5	141.8	130.6	126.9
45°	4201.7	3559.9	2168.0	798.5	194.0	145.5	134.3	138.1	134.3	126.9	123.1
47.5°	4399.5	3753.9	2119.5	559.7	156.7	138.1	130.6	130.6	130.6	119.4	115.7
50°	4604.7	3914.4	2078.5	302.3	153.0	134.3	123.1	119.4	123.1	115.7	111.9
52.5°	4877.1	4037.5	1970.2	205.2	149.3	130.6	119.4	111.9	115.7	108.2	111.9
55°	5239.0	4362.1	1772.5	194.0	149.3	126.9	115.7	104.5	104.5	100.8	100.8
57.5°	5403.2	4485.3	1455.3	186.6	145.5	126.9	108.2	97.0	89.6	85.8	82.1
60°	5604.7	4664.4	1123.2	171.6	134.3	119.4	97.0	85.8	74.6	70.9	70.9
62.5°	5709.2	4705.4	888.1	153.0	123.1	104.5	85.8	70.9	59.7	52.2	52.2
65°	5768.9	4683.0	619.4	138.1	108.2	93.3	74.6	59.7	44.8	41.0	37.3
67.5°	5567.4	4548.7	362.0	119.4	93.3	82.1	63.4	48.5	37.3	33.6	29.9
70°	5164.4	4138.2	227.6	104.5	82.1	70.9	56.0	41.0	29.9	26.1	26.1
72.5°	4731.6	3336.0	156.7	82.1	63.4	56.0	41.0	33.6	26.1	18.7	18.7
75°	4257.7	2895.7	115.7	59.7	44.8	41.0	33.6	26.1	22.4	14.9	14.9
77.5°	3018.8	1918.0	93.3	44.8	29.9	26.1	22.4	18.7	14.9	14.9	11.2
80°	1783.7	936.6	70.9	29.9	22.4	18.7	14.9	14.9	11.2	11.2	11.2
82.5°	667.9	358.2	48.5	22.4	14.9	14.9	11.2	11.2	7.5	7.5	7.5
85°	242.5	89.6	22.4	11.2	11.2	7.5	7.5	7.5	7.5	7.5	7.5
87.5°	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7	3.7
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)