

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: P691938

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

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691938
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-C01HO-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: 10846 lumens
Efficiency: N/A
Efficacy: 137.3 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G2

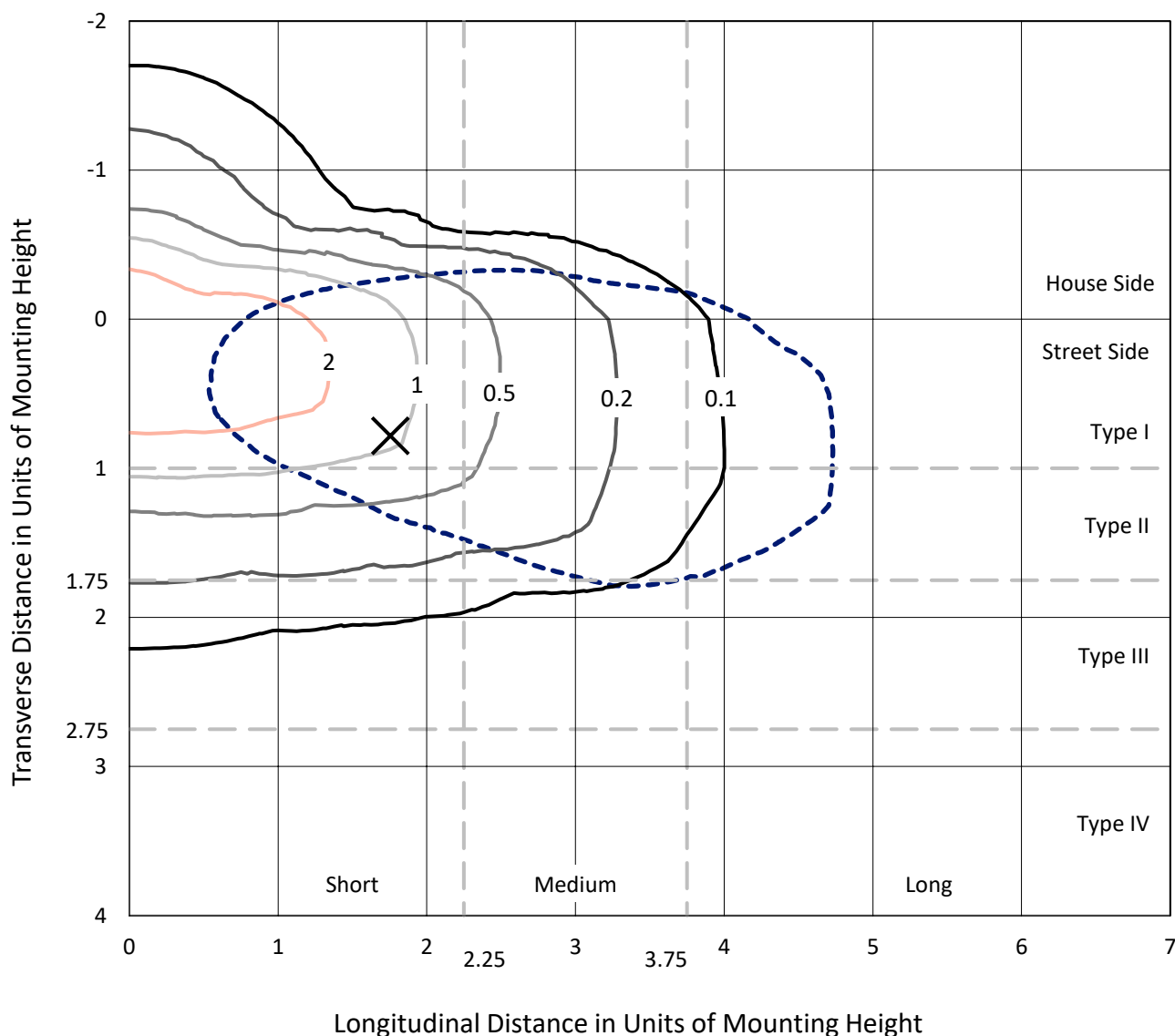
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

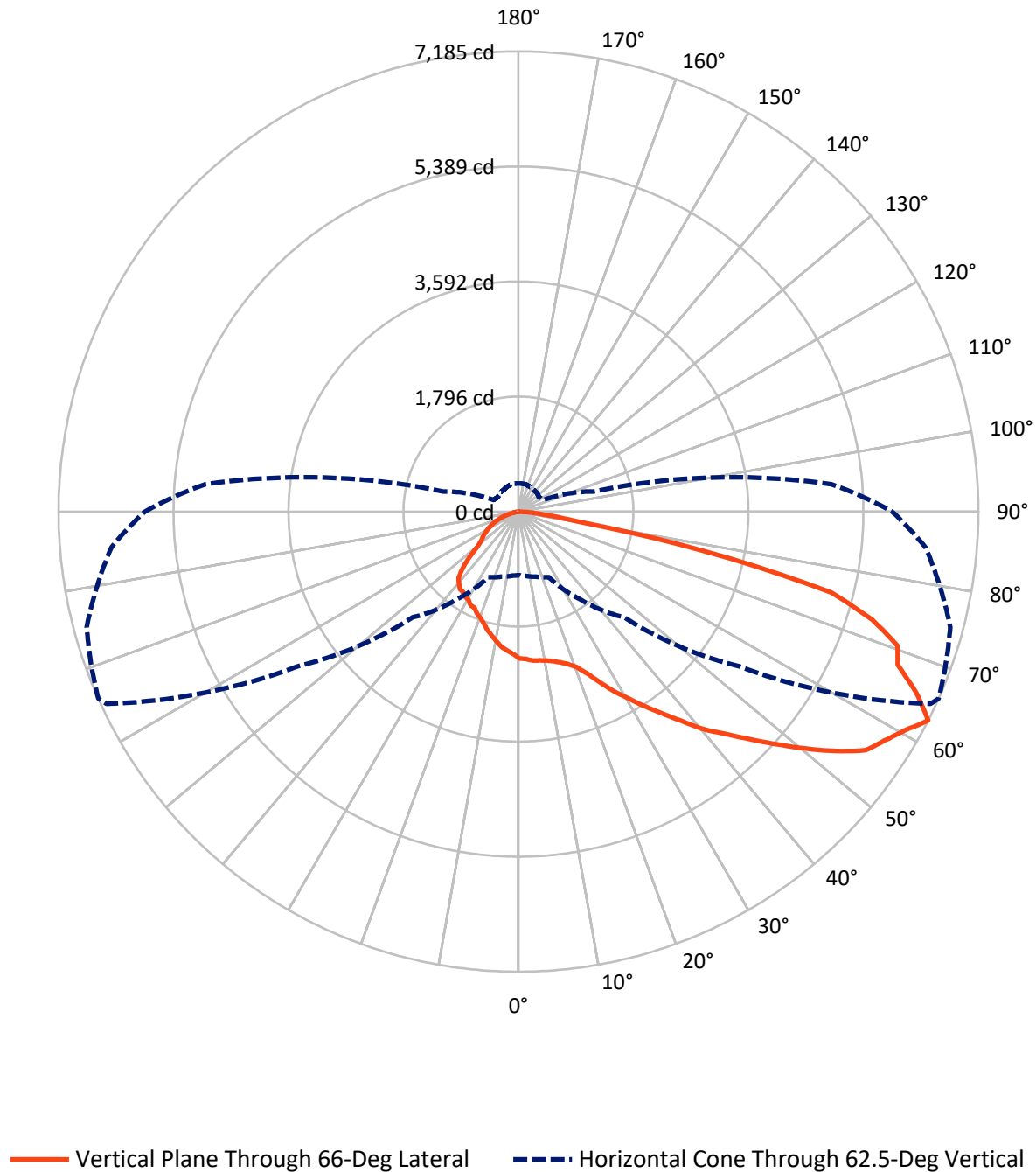
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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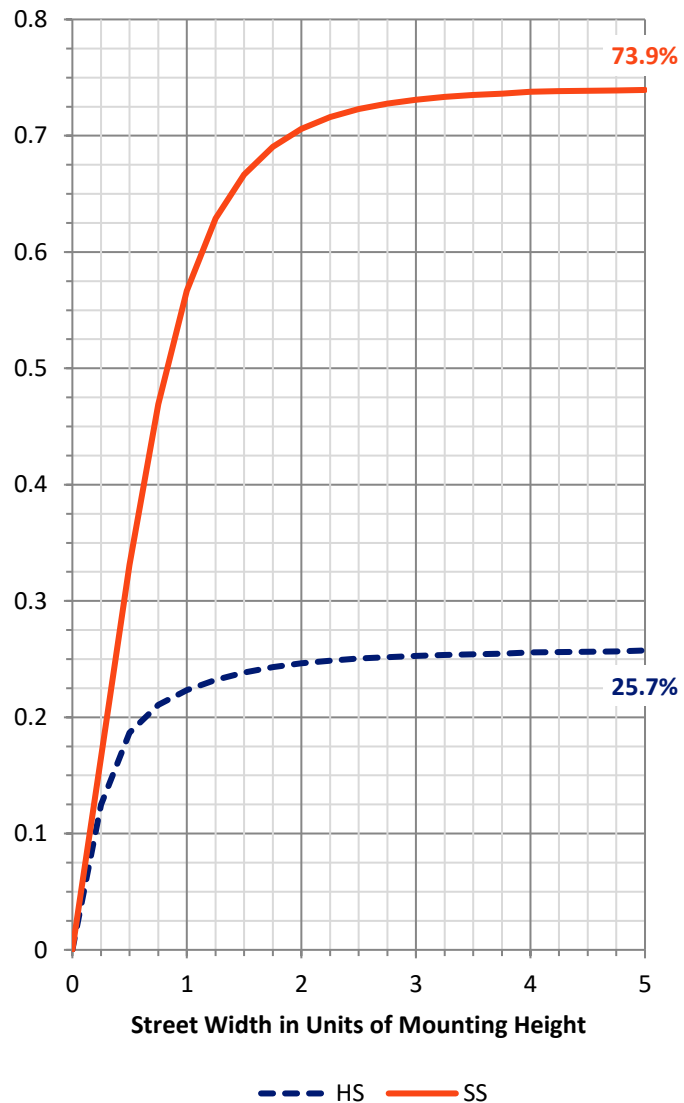
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2834.0	0.0	2834.0
	% Fixture	26.1	0.0	26.1
Street Side	Lumens	8012.0	0.0	8012.0
	% Fixture	73.9	0.0	73.9
Total	Lumens	10846.0	0.0	10846.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	214.6	2.0
10°-20°	609.1	5.6
20°-30°	989.0	9.1
30°-40°	1426.4	13.2
40°-50°	1855.4	17.1
50°-60°	2155.1	19.9
60°-70°	2132.2	19.7
70°-80°	1320.7	12.2
80°-90°	143.4	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°	10846.0	100.0
0°-180°	10846.0	100.0

Coefficient of Utilization



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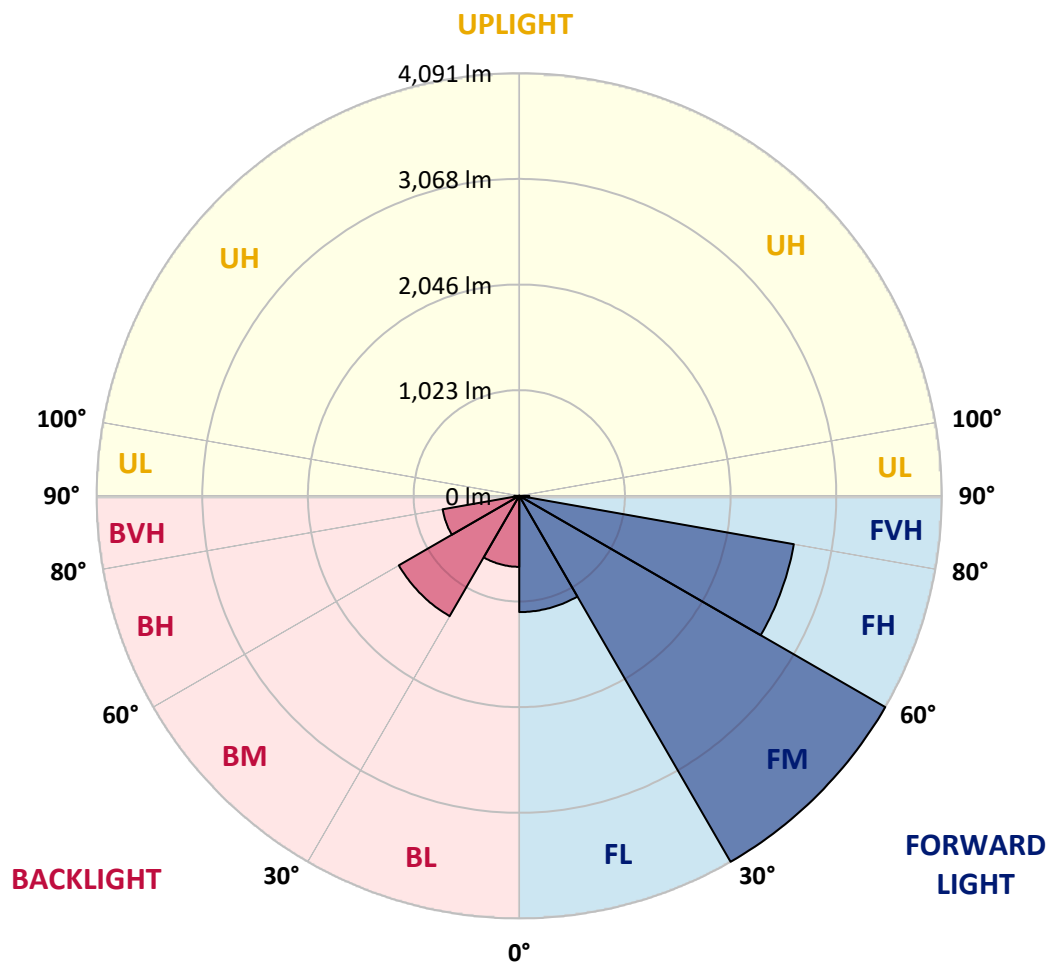
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1125.2	10.4			
FM	(30°-60°)	4091.3	37.7			
FH	(60°-80°)	2699.3	24.9			G2/5000
FVH	(80°-90°)	96.2	0.9			G1/100
BL	(0°-30°)	687.5	6.3	B2/1000		
BM	(30°-60°)	1345.7	12.4	B2/2500		
BH	(60°-80°)	753.7	6.9	B2/1000		G2/1000
BVH	(80°-90°)	47.2	0.4			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°	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2
2.5°	2376.3	2376.3	2383.7	2357.6	2342.7	2331.5	2320.3	2309.1	2305.4	2294.2	2279.3
5°	2480.7	2480.7	2484.4	2458.3	2428.5	2394.9	2361.3	2339.0	2339.0	2312.8	2275.5
7.5°	2536.7	2536.7	2536.7	2506.8	2488.2	2465.8	2413.6	2350.1	2346.4	2320.3	2268.1
10°	2536.7	2536.7	2551.6	2506.8	2491.9	2469.5	2439.7	2372.5	2365.1	2305.4	2234.5
12.5°	2581.4	2588.9	2581.4	2532.9	2518.0	2499.4	2458.3	2402.4	2398.6	2320.3	2219.6
15°	2644.9	2648.6	2637.4	2603.8	2588.9	2559.1	2510.6	2450.9	2443.4	2350.1	2230.8
17.5°	2659.8	2663.5	2671.0	2629.9	2629.9	2618.7	2592.6	2521.7	2503.1	2421.0	2264.4
20°	2652.3	2656.0	2667.2	2659.8	2663.5	2656.0	2674.7	2615.0	2592.6	2503.1	2316.6
22.5°	2685.9	2693.3	2715.7	2719.5	2734.4	2749.3	2756.8	2760.5	2745.6	2641.1	2424.8
25°	2697.1	2719.5	2749.3	2790.3	2842.6	2872.4	2913.4	2954.5	2950.7	2846.3	2603.8
27.5°	2644.9	2671.0	2764.2	2827.6	2943.3	3025.4	3118.6	3174.6	3174.6	3088.8	2809.0
30°	2693.3	2704.5	2753.0	2842.6	2976.9	3163.4	3308.9	3379.7	3387.2	3331.2	3010.4
32.5°	2592.6	2618.7	2738.1	2909.7	3114.9	3320.1	3465.5	3618.5	3625.9	3607.3	3305.1
35°	2581.4	2596.4	2663.5	2846.3	3111.1	3465.5	3659.5	3853.5	3872.2	3894.5	3592.4
37.5°	2465.8	2495.6	2626.2	2853.8	3215.6	3562.5	3823.7	4122.1	4151.9	4222.8	3838.6
40°	2342.7	2365.1	2473.3	2719.5	3182.0	3685.6	3984.1	4439.2	4476.5	4536.2	4178.0
42.5°	2174.8	2219.6	2406.1	2663.5	3167.1	3722.9	4163.1	4730.1	4745.1	4849.5	4446.6
45°	2018.1	2033.1	2174.8	2469.5	3036.5	3778.9	4297.4	5058.4	5069.6	5136.8	4670.5
47.5°	1891.3	1910.0	2055.4	2305.4	2917.2	3764.0	4431.7	5375.5	5427.7	5502.3	4942.8
50°	1499.6	1540.7	1924.9	2163.6	2712.0	3737.9	4539.9	5756.0	5815.7	5886.6	5233.7
52.5°	1294.4	1313.1	1507.1	2021.9	2510.6	3625.9	4640.6	6144.0	6214.8	6177.5	5603.1
55°	1204.9	1216.1	1305.6	1742.1	2331.5	3413.3	4715.2	6505.8	6580.4	6401.4	5894.0
57.5°	1141.5	1156.4	1208.6	1425.0	2130.1	3040.3	4722.7	6718.4	6744.6	6587.9	6013.4
60°	1055.7	1066.9	1141.5	1246.0	1895.0	2648.6	4588.4	6811.7	6934.8	6785.6	6282.0
62.5°	992.3	1003.5	1052.0	1130.3	1667.5	2335.2	4215.3	7102.7	7184.7	6983.3	6382.7
65°	917.7	917.7	966.2	1044.5	1522.0	2145.0	4021.4	7009.4	6830.4	6927.3	6505.8
67.5°	809.5	817.0	865.5	928.9	1275.8	1962.2	3543.9	6576.7	6390.2	6658.8	6181.3
70°	720.0	712.5	764.7	813.2	1044.5	1730.9	2935.8	6129.0	6282.0	6252.1	5882.8
72.5°	600.6	593.1	637.9	690.1	843.1	1436.2	2320.3	5688.9	5778.4	5591.9	5218.8
75°	466.3	421.5	485.0	552.1	664.0	1137.8	1645.1	4711.5	5047.2	5271.0	4450.4
77.5°	74.6	74.6	93.3	130.6	216.4	578.2	734.9	2588.9	2969.4	4487.7	3902.0
80°	59.7	59.7	67.1	89.5	130.6	317.1	246.2	802.0	895.3	1936.1	2245.7
82.5°	33.6	33.6	48.5	59.7	82.1	97.0	108.2	391.7	436.5	686.4	869.2
85°	18.7	18.7	26.1	29.8	33.6	33.6	33.6	179.1	201.4	365.6	395.4
87.5°	11.2	11.2	11.2	11.2	11.2	7.5	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°	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2	2294.2
2.5°	2271.8	2260.6	2242.0	2227.0	2215.9	2204.7	2186.0	2174.8	2174.8	2193.5	2197.2
5°	2253.2	2227.0	2193.5	2178.6	2159.9	2141.2	2111.4	2096.5	2092.8	2103.9	2111.4
7.5°	2238.2	2200.9	2167.4	2130.1	2074.1	2025.6	1999.5	1980.8	1988.3	2007.0	1999.5
10°	2193.5	2159.9	2107.7	2051.7	1984.6	1943.5	1902.5	1880.1	1883.8	1895.0	1883.8
12.5°	2174.8	2130.1	2044.3	1977.1	1917.4	1839.1	1786.9	1753.3	1753.3	1771.9	1771.9
15°	2174.8	2107.7	1992.0	1910.0	1816.7	1738.4	1678.7	1648.8	1667.5	1656.3	1648.8
17.5°	2193.5	2089.0	1958.5	1820.4	1708.5	1630.2	1559.3	1518.3	1529.5	1536.9	1529.5
20°	2215.9	2089.0	1917.4	1749.6	1619.0	1507.1	1428.7	1384.0	1380.2	1384.0	1391.4
22.5°	2290.5	2137.5	1891.3	1704.8	1507.1	1398.9	1320.6	1242.2	1238.5	1234.8	1242.2
25°	2417.3	2227.0	1910.0	1622.7	1443.7	1283.3	1186.3	1119.1	1096.7	1093.0	1100.5
27.5°	2626.2	2383.7	1939.8	1611.5	1328.0	1182.5	1063.2	988.6	966.2	973.6	969.9
30°	2853.8	2585.2	2025.6	1533.2	1260.9	1033.3	921.4	858.0	835.6	820.7	824.4
32.5°	3021.6	2786.6	2133.8	1507.1	1130.3	872.9	790.8	753.5	727.4	708.8	705.0
35°	3286.5	2958.2	2230.8	1447.4	1014.7	768.5	701.3	660.3	645.4	634.2	634.2
37.5°	3540.1	3167.1	2327.8	1428.7	865.5	697.6	615.5	589.4	581.9	574.5	574.5
40°	3793.8	3379.7	2383.7	1354.1	746.1	611.8	533.4	529.7	540.9	533.4	537.2
42.5°	4107.2	3599.8	2439.7	1283.3	660.3	522.3	477.5	507.3	529.7	533.4	533.4
45°	4323.5	3749.0	2462.1	1111.7	570.8	455.1	466.3	499.9	526.0	537.2	533.4
47.5°	4521.2	3950.5	2428.5	902.8	496.1	443.9	462.6	485.0	522.3	537.2	537.2
50°	4715.2	4118.4	2398.6	667.7	470.0	447.6	462.6	473.8	514.8	529.7	529.7
52.5°	4987.5	4252.7	2297.9	559.6	447.6	451.4	473.8	470.0	503.6	526.0	533.4
55°	5364.3	4566.0	2103.9	529.7	443.9	447.6	473.8	473.8	496.1	514.8	526.0
57.5°	5532.2	4700.3	1775.7	499.9	432.7	443.9	462.6	466.3	492.4	503.6	499.9
60°	5722.4	4868.2	1454.9	466.3	414.1	436.5	443.9	458.8	477.5	477.5	473.8
62.5°	5838.1	4909.2	1212.4	429.0	391.7	410.3	410.3	425.3	440.2	440.2	440.2
65°	5894.0	4868.2	906.5	395.4	365.6	380.5	376.8	384.2	395.4	376.8	376.8
67.5°	5673.9	4715.2	626.7	350.7	335.7	350.7	346.9	350.7	346.9	332.0	335.7
70°	5297.2	4286.2	432.7	298.4	294.7	320.8	324.5	317.1	294.7	283.5	283.5
72.5°	4823.4	3439.4	298.4	238.7	249.9	283.5	291.0	276.0	253.7	242.5	242.5
75°	4375.8	2973.1	212.6	164.1	167.9	216.4	231.3	231.3	223.8	298.4	317.1
77.5°	3044.0	1924.9	123.1	85.8	82.1	123.1	141.8	145.5	279.8	302.2	294.7
80°	1805.5	906.5	89.5	52.2	52.2	70.9	97.0	190.3	320.8	216.4	194.0
82.5°	690.1	346.9	56.0	33.6	29.8	37.3	56.0	294.7	186.5	123.1	111.9
85°	249.9	85.8	26.1	18.7	18.7	22.4	33.6	249.9	130.6	93.3	89.5
87.5°	3.7	3.7	7.5	7.5	7.5	3.7	3.7	7.5	7.5	7.5	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)