

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: P691970

Luminaire Tested: **CRTK2-C01HO-D-U-T3-7030-U0**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691970
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2301-903-11)
Test Lab: INNOVATION CENTER
Issue Date: 6/13/2023
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: CRTK2-C01HO-D-U-T3-7030-U0
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K LED WITH TYPE III OPTIC AND U0 SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10973 lumens
Efficiency: N/A
Efficacy: 138.9 lumens/watt
Luminous Opening: Circular (Dia: 0.33' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G2

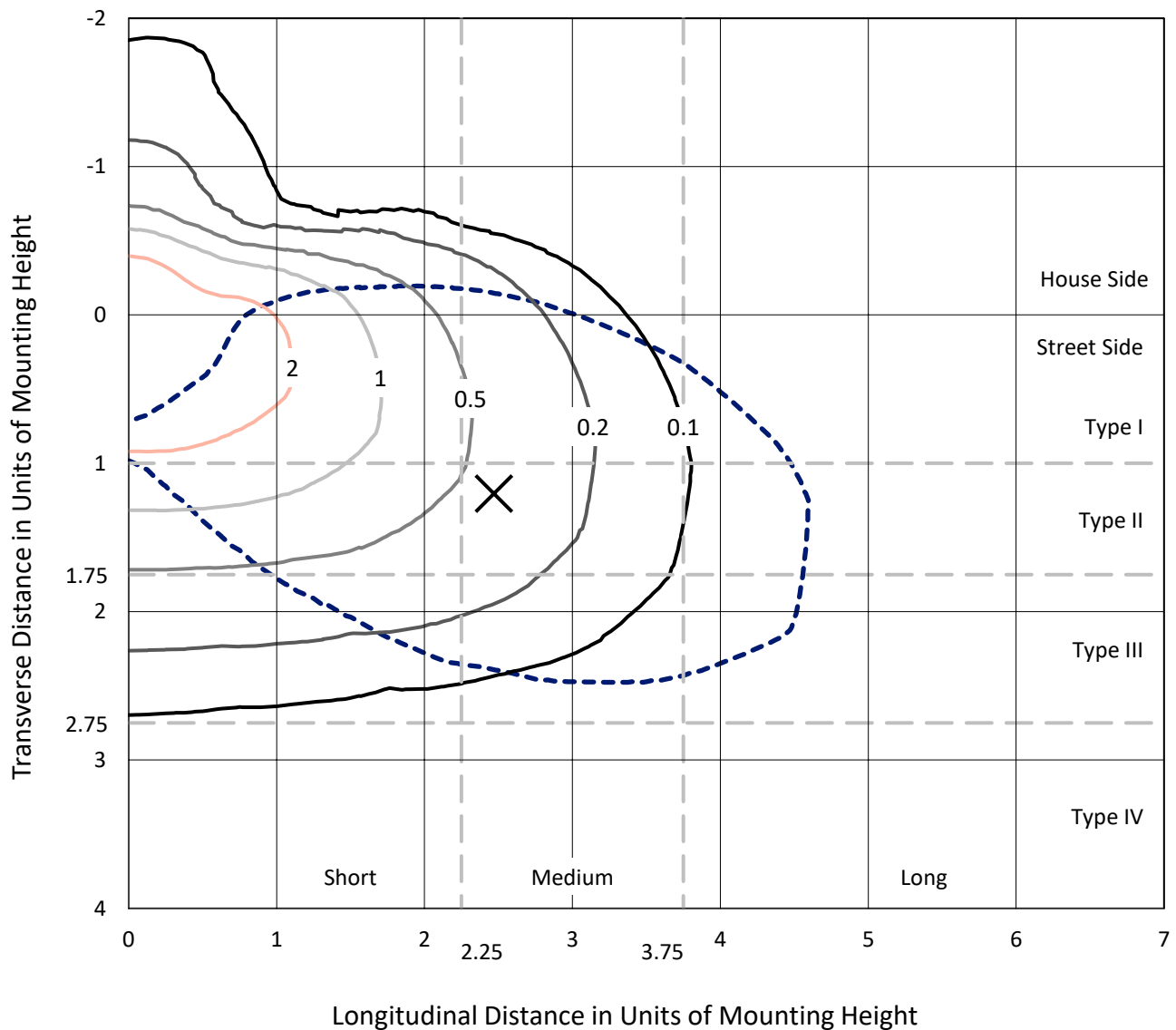
Input Watts (W): 79
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

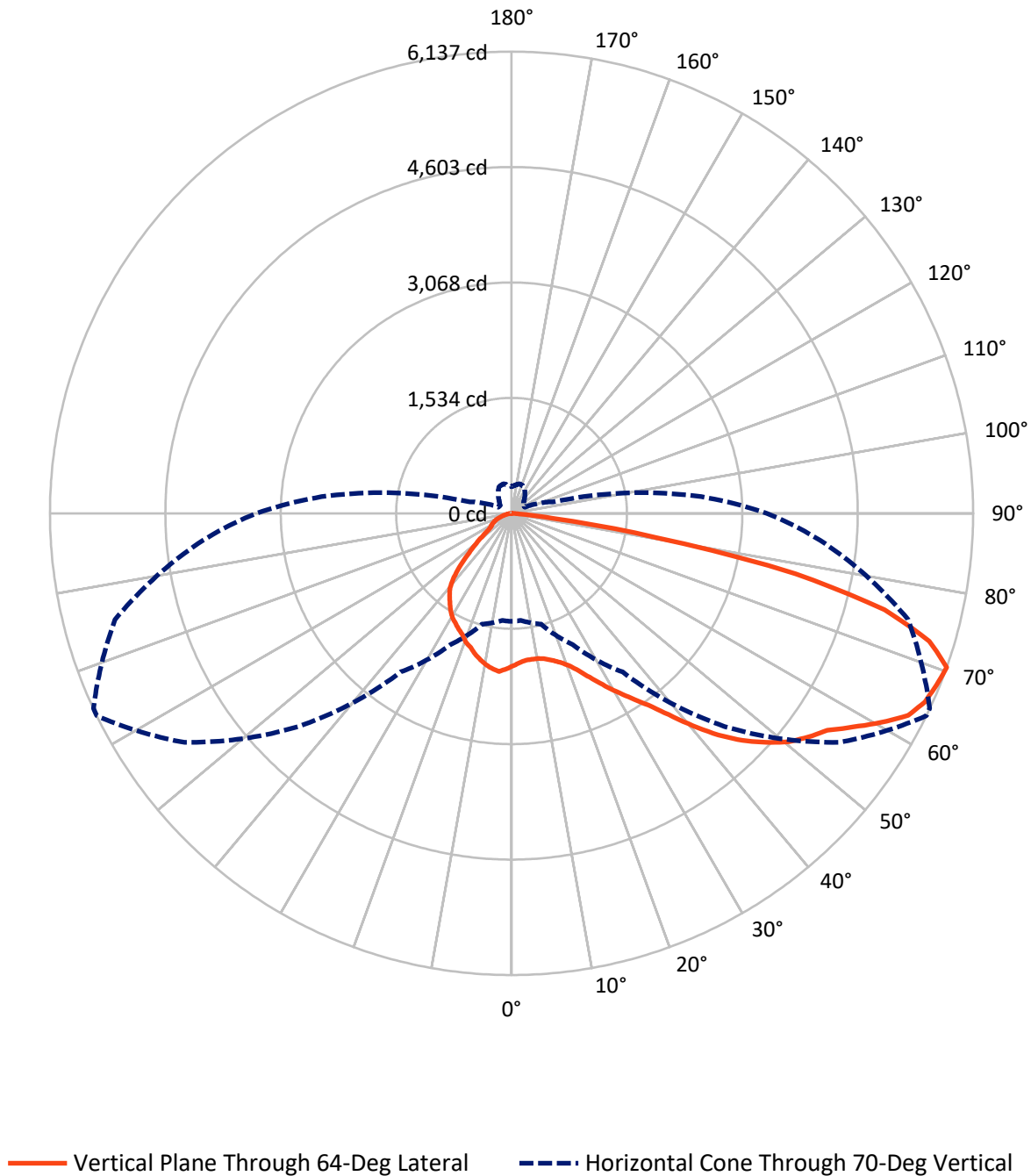
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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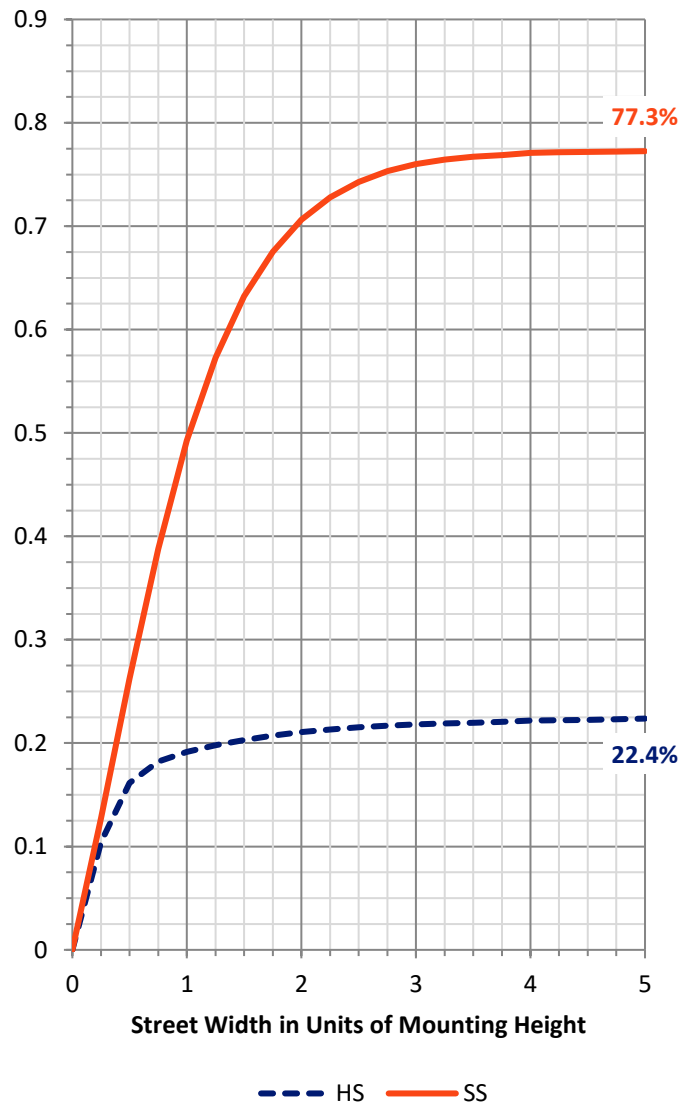
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2492.7	0.0	2492.7
	% Fixture	22.7	0.0	22.7
Street Side	Lumens	8480.3	0.0	8480.3
	% Fixture	77.3	0.0	77.3
Total	Lumens	10973.0	0.0	10973.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	195.2	1.8
10°-20°	572.2	5.2
20°-30°	949.9	8.7
30°-40°	1358.7	12.4
40°-50°	1814.4	16.5
50°-60°	2192.7	20.0
60°-70°	2333.6	21.3
70°-80°	1433.6	13.1
80°-90°	122.8	1.1
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°	10973.0	100.0
0°-180°	10973.0	100.0

Coefficient of Utilization



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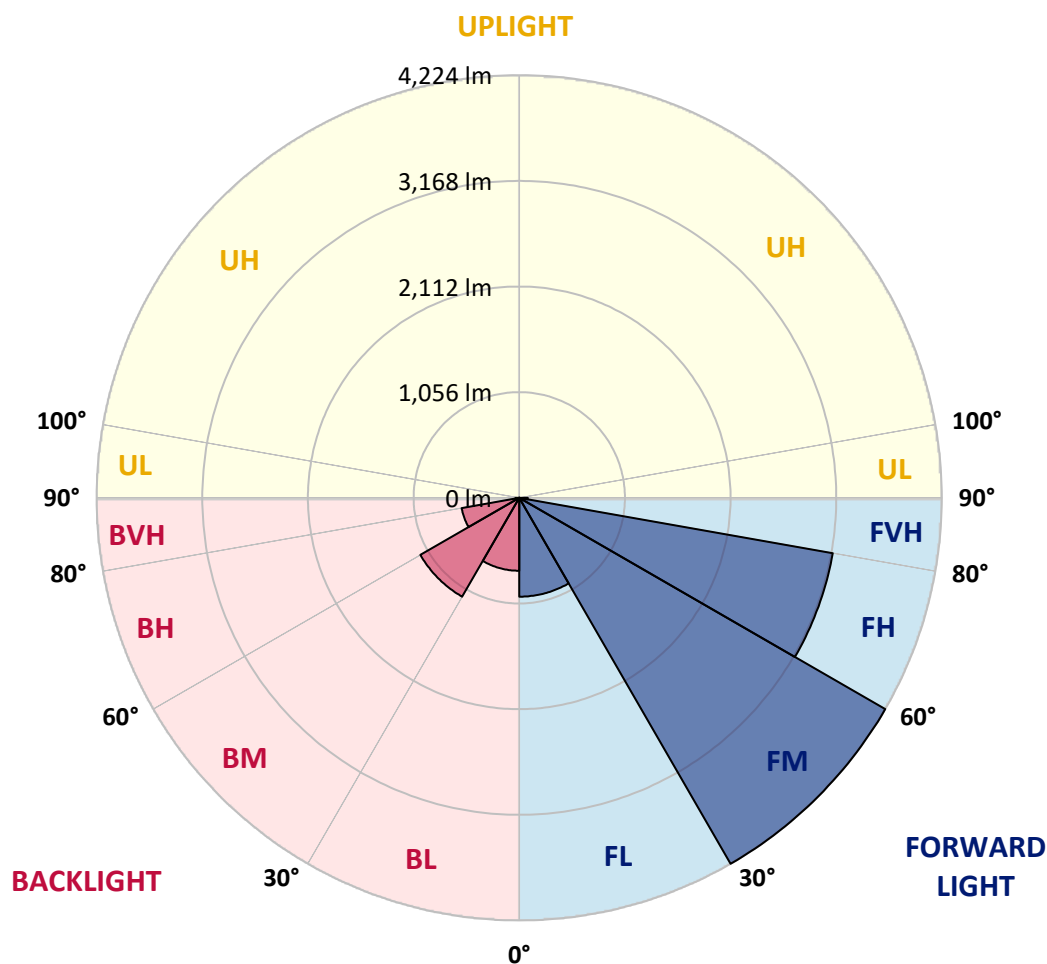
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	988.1	9.0			
FM	(30°-60°)	4224.4	38.5			
FH	(60°-80°)	3182.5	29.0			G2/5000
FVH	(80°-90°)	85.3	0.8			G1/100
BL	(0°-30°)	729.3	6.6	B2/1000		
BM	(30°-60°)	1141.3	10.4	B2/2500		
BH	(60°-80°)	584.6	5.3	B2/1000		G2/1000
BVH	(80°-90°)	37.5	0.3			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	64°	65°	75°	85°
0°	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5
2.5°	1981.0	1981.0	1981.0	1981.0	1984.7	1988.4	1984.7	1988.4	1988.4	1995.9	2007.1
5°	2014.6	2014.6	2007.1	1992.2	1981.0	1966.1	1958.6	1962.3	1962.3	1981.0	2010.8
7.5°	2025.8	2025.8	2018.3	2018.3	2007.1	1973.5	1962.3	1958.6	1962.3	1969.8	2010.8
10°	2081.7	2078.0	2059.3	2036.9	2022.0	1992.2	1966.1	1962.3	1966.1	1977.3	2022.0
12.5°	2141.4	2141.4	2133.9	2115.3	2074.3	2044.4	1999.6	1984.7	1981.0	1992.2	2018.3
15°	2260.8	2245.9	2216.0	2189.9	2160.1	2111.6	2051.9	2025.8	2018.3	2033.2	2022.0
17.5°	2331.7	2320.5	2324.2	2283.2	2257.1	2189.9	2130.2	2081.7	2078.0	2092.9	2044.4
20°	2410.0	2406.3	2413.7	2410.0	2369.0	2309.3	2216.0	2156.3	2148.9	2152.6	2078.0
22.5°	2529.4	2529.4	2525.7	2525.7	2503.3	2432.4	2327.9	2268.2	2257.1	2230.9	2133.9
25°	2660.0	2660.0	2660.0	2667.4	2667.4	2585.4	2480.9	2413.7	2406.3	2369.0	2227.2
27.5°	2783.1	2790.5	2794.3	2798.0	2809.2	2771.9	2656.2	2577.9	2574.2	2525.7	2350.3
30°	2880.1	2883.8	2917.4	2924.8	2947.2	2936.0	2824.1	2749.5	2757.0	2693.5	2488.4
32.5°	2965.9	2969.6	3018.1	3044.2	3070.3	3074.1	2980.8	2928.6	2928.6	2872.6	2656.2
35°	3048.0	3051.7	3111.4	3174.8	3227.0	3212.1	3159.9	3130.0	3141.2	3122.6	2887.5
37.5°	3118.8	3133.8	3212.1	3305.4	3365.1	3376.3	3353.9	3394.9	3417.3	3447.1	3200.9
40°	3186.0	3193.5	3268.1	3365.1	3465.8	3518.0	3544.1	3712.0	3734.4	3756.8	3380.0
42.5°	3122.6	3137.5	3297.9	3443.4	3570.2	3659.8	3782.9	4029.1	4077.6	3954.5	3622.5
45°	3048.0	3066.6	3227.0	3473.3	3652.3	3816.5	4044.0	4305.2	4342.5	4156.0	3753.1
47.5°	2984.5	3006.9	3171.1	3447.1	3738.1	4029.1	4256.7	4551.4	4573.8	4327.6	3932.1
50°	2913.7	2932.3	3107.6	3413.6	3782.9	4223.1	4480.5	4775.3	4782.7	4469.3	4025.4
52.5°	2820.4	2839.0	3018.1	3361.3	3816.5	4353.7	4667.1	4939.4	4909.6	4652.1	4133.6
55°	2701.0	2727.1	2921.1	3290.4	3835.1	4432.0	4793.9	5092.4	5077.4	4868.5	4275.3
57.5°	2574.2	2600.3	2798.0	3193.5	3816.5	4480.5	4924.5	5357.2	5353.5	5043.9	4379.8
60°	2432.4	2454.8	2622.7	3066.6	3715.7	4558.9	5211.7	5644.5	5674.3	5241.6	4420.8
62.5°	2245.9	2249.6	2417.5	2883.8	3585.2	4614.8	5416.9	5916.8	5898.2	5372.2	4428.3
65°	1999.6	2010.8	2160.1	2630.1	3372.5	4570.1	5469.2	6040.0	6040.0	5469.2	4420.8
67.5°	1760.9	1757.1	1884.0	2313.0	3044.2	4372.3	5424.4	6092.2	6118.3	5532.6	4323.8
70°	1436.3	1428.8	1525.8	1925.0	2574.2	4006.7	5308.7	6136.9	6133.2	5458.0	4118.7
72.5°	1063.2	1059.5	1126.7	1458.7	1969.8	3428.5	4965.5	5808.6	5771.3	5099.8	3719.5
75°	589.4	559.6	555.9	902.8	1145.3	2402.5	4219.4	5122.2	5137.1	4506.6	3115.1
77.5°	85.8	89.5	93.3	164.1	197.7	899.1	2742.0	3861.2	3853.8	3477.0	2272.0
80°	59.7	63.4	67.2	82.1	93.3	212.6	947.6	1947.4	2059.3	1828.0	1048.3
82.5°	44.8	44.8	48.5	56.0	52.2	97.0	294.7	540.9	559.6	507.4	309.6
85°	29.8	29.8	26.1	29.8	18.7	26.1	67.2	100.7	108.2	104.5	85.8
87.5°	14.9	14.9	11.2	11.2	7.5	7.5	7.5	3.7	7.5	3.7	7.5
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°	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5
2.5°	2018.3	2025.8	2048.1	2066.8	2089.2	2115.3	2130.2	2145.1	2160.1	2152.6	2163.8
5°	2025.8	2040.7	2074.3	2107.8	2126.5	2130.2	2133.9	2145.1	2167.5	2167.5	2186.2
7.5°	2033.2	2059.3	2059.3	2078.0	2104.1	2111.6	2115.3	2122.7	2133.9	2137.7	2133.9
10°	2033.2	2022.0	2040.7	2044.4	2033.2	2051.9	2063.1	2059.3	2070.5	2074.3	2074.3
12.5°	2010.8	2007.1	1992.2	1992.2	1988.4	1958.6	1958.6	1988.4	1988.4	2007.1	2010.8
15°	2010.8	1981.0	1962.3	1936.2	1910.1	1898.9	1884.0	1861.6	1869.1	1895.2	1902.6
17.5°	2007.1	1973.5	1917.6	1865.3	1846.7	1801.9	1787.0	1787.0	1783.3	1798.2	1801.9
20°	2022.0	1973.5	1887.7	1828.0	1727.3	1712.4	1682.5	1686.3	1690.0	1667.6	1656.4
22.5°	2063.1	2003.4	1865.3	1749.7	1671.3	1604.2	1548.2	1510.9	1507.2	1496.0	1507.2
25°	2126.5	2055.6	1869.1	1704.9	1578.1	1481.1	1443.8	1354.2	1313.2	1316.9	1339.3
27.5°	2242.1	2119.0	1887.7	1656.4	1503.5	1365.4	1246.0	1190.1	1145.3	1145.3	1152.8
30°	2350.3	2216.0	1880.3	1615.4	1387.8	1216.2	1063.2	973.7	958.8	943.9	940.1
32.5°	2551.8	2339.1	1954.9	1555.7	1279.6	1025.9	873.0	749.9	761.1	764.8	772.2
35°	2753.2	2536.9	1969.8	1481.1	1122.9	835.7	675.3	608.1	637.9	645.4	652.9
37.5°	3021.8	2783.1	2070.5	1413.9	962.5	641.7	537.2	507.4	537.2	537.2	540.9
40°	3167.3	2898.7	2152.6	1346.8	753.6	473.8	421.6	399.2	436.5	466.3	473.8
42.5°	3372.5	3048.0	2227.2	1212.5	533.5	354.4	324.6	369.3	429.0	458.9	462.6
45°	3477.0	3122.6	2201.1	1033.4	350.7	287.3	317.1	373.1	432.8	462.6	466.3
47.5°	3618.7	3227.0	2148.9	824.5	279.8	283.5	320.8	384.3	443.9	470.1	473.8
50°	3756.8	3335.2	2014.6	656.6	268.6	283.5	328.3	388.0	440.2	458.9	455.1
52.5°	3835.1	3435.9	1842.9	499.9	268.6	287.3	335.8	395.5	436.5	440.2	440.2
55°	3906.0	3447.1	1701.2	388.0	264.9	291.0	343.2	402.9	440.2	440.2	432.8
57.5°	3950.8	3402.4	1593.0	335.8	264.9	291.0	343.2	402.9	458.9	470.1	458.9
60°	3932.1	3316.6	1518.4	313.4	257.4	287.3	339.5	414.1	563.3	589.4	567.1
62.5°	3887.4	3268.1	1358.0	287.3	246.2	276.1	332.0	447.7	604.4	608.1	589.4
65°	3846.3	3107.6	1164.0	257.4	231.3	264.9	320.8	455.1	511.1	492.4	488.7
67.5°	3659.8	2898.7	887.9	227.6	208.9	250.0	309.6	417.8	455.1	432.8	425.3
70°	3394.9	2533.1	593.2	194.0	186.5	231.3	309.6	391.7	406.6	369.3	354.4
72.5°	2909.9	2096.6	324.6	156.7	156.7	212.6	279.8	365.6	376.8	332.0	305.9
75°	2369.0	1518.4	208.9	119.4	119.4	179.1	253.7	347.0	369.3	320.8	287.3
77.5°	1630.3	831.9	145.5	85.8	78.3	138.0	201.5	283.5	328.3	276.1	235.0
80°	552.1	220.1	93.3	56.0	48.5	78.3	134.3	220.1	298.5	283.5	253.7
82.5°	216.4	138.0	63.4	37.3	33.6	37.3	67.2	138.0	238.8	257.4	298.5
85°	63.4	37.3	22.4	18.7	18.7	18.7	18.7	56.0	141.8	186.5	235.0
87.5°	7.5	7.5	7.5	7.5	7.5	7.5	7.5	7.5	33.6	59.7	78.3
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)