

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: P691945

Luminaire Tested: **CRTK2-C01HO-D-U-T2-7040-U0-HSS-CRTK2**

Issue Date: 6/13/2023

Test Information

Test Method: LM-79-08
Report Number: P691945
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-T2-7040-U0-HSS-CRTK2
Description: CARETAKER AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K 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: 10085 lumens
Efficiency: N/A
Efficacy: 127.7 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

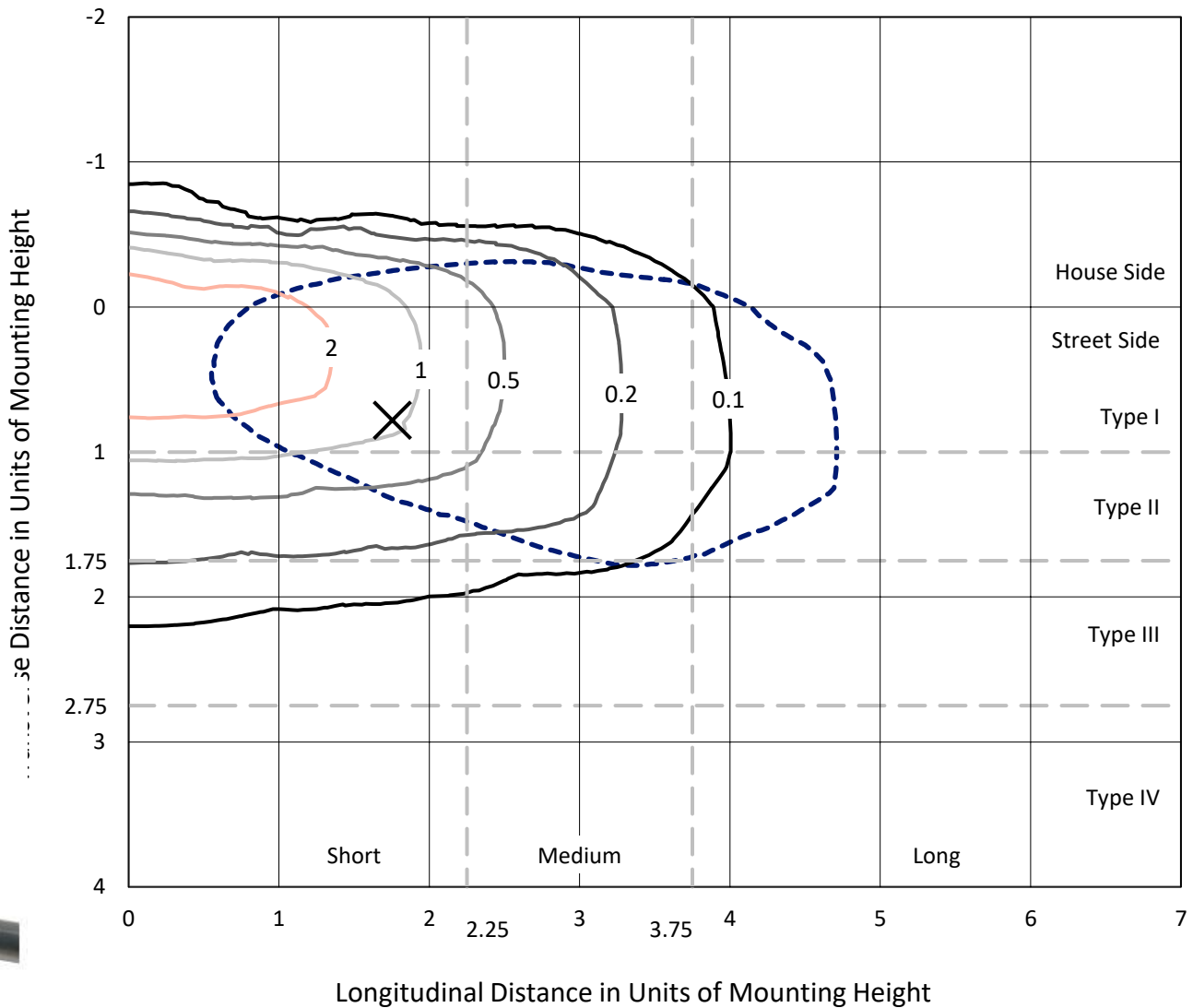


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

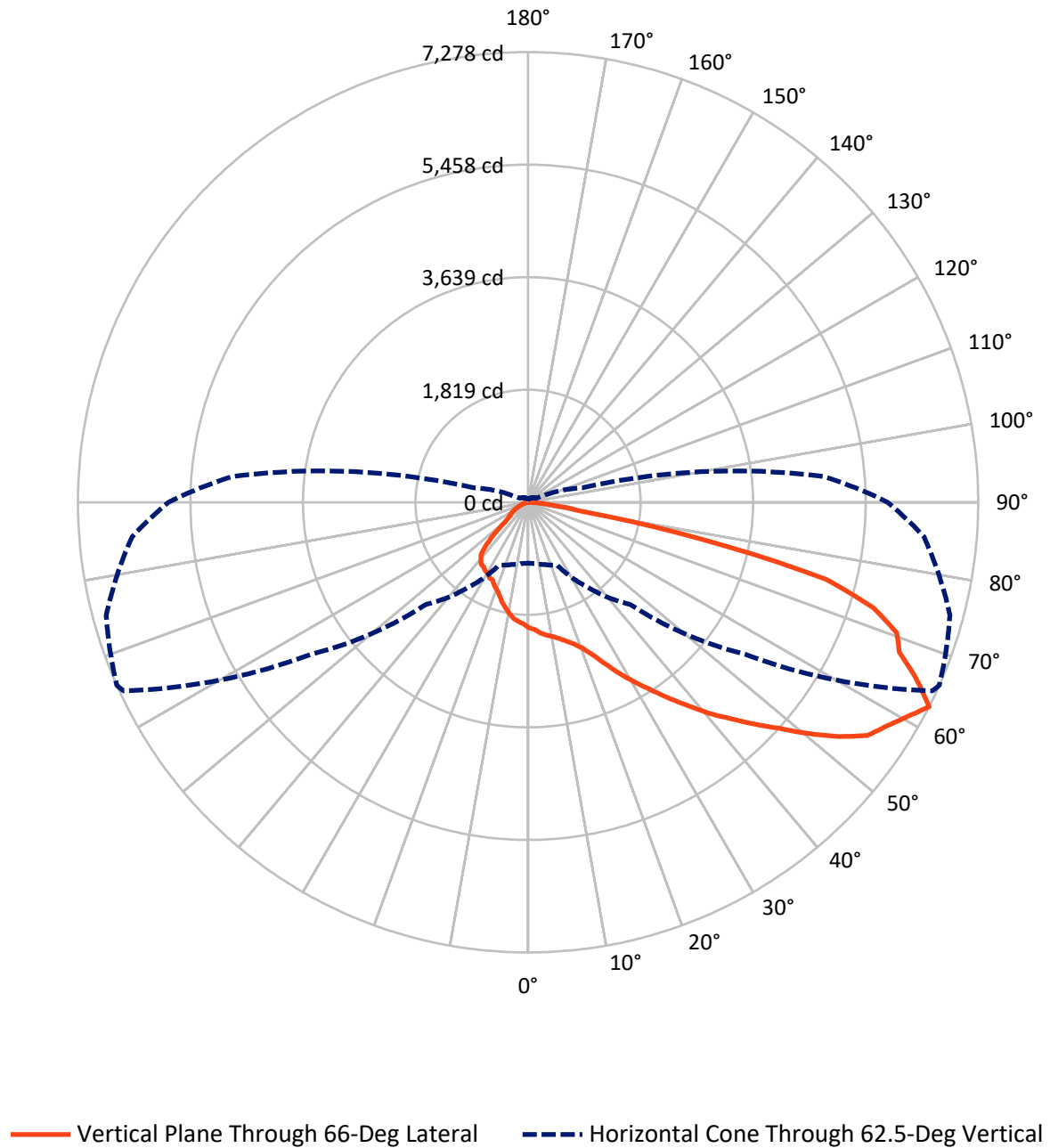


Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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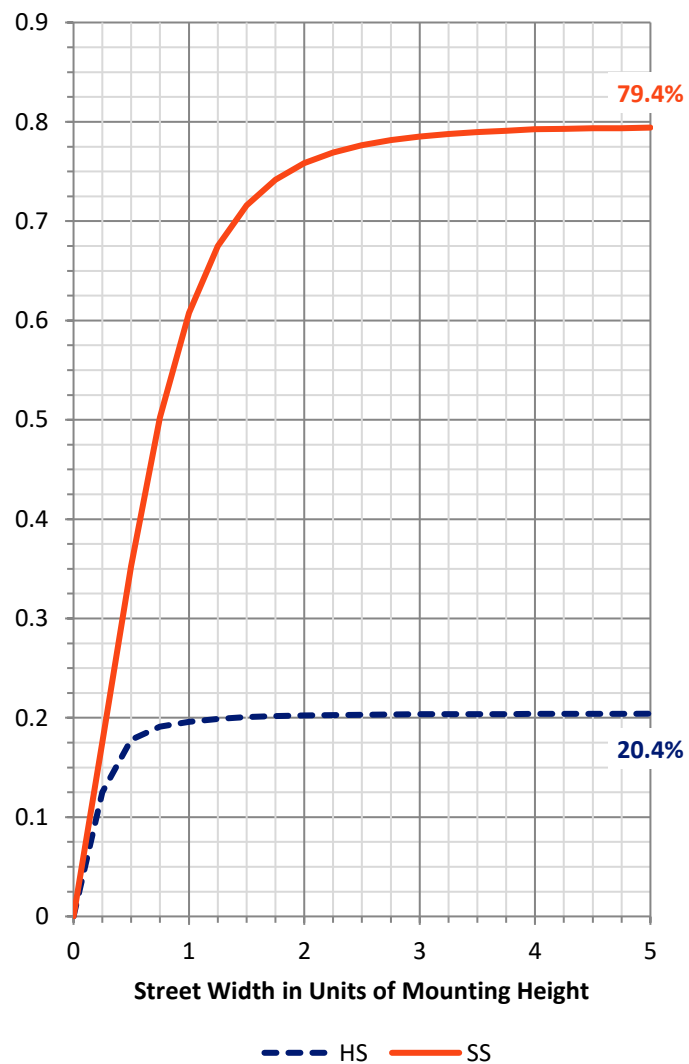
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2083.3	0.0	2083.3
	% Fixture	20.7	0.0	20.7
Street Side	Lumens	8001.7	0.0	8001.7
	% Fixture	79.3	0.0	79.3
Total	Lumens	10085.0	0.0	10085.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.6	1.9
10°-20°	545.9	5.4
20°-30°	895.6	8.9
30°-40°	1317.8	13.1
40°-50°	1738.0	17.2
50°-60°	2023.2	20.1
60°-70°	2010.4	19.9
70°-80°	1243.6	12.3
80°-90°	118.9	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°	10085.0	100.0
0°-180°	10085.0	100.0

Coefficient of Utilization



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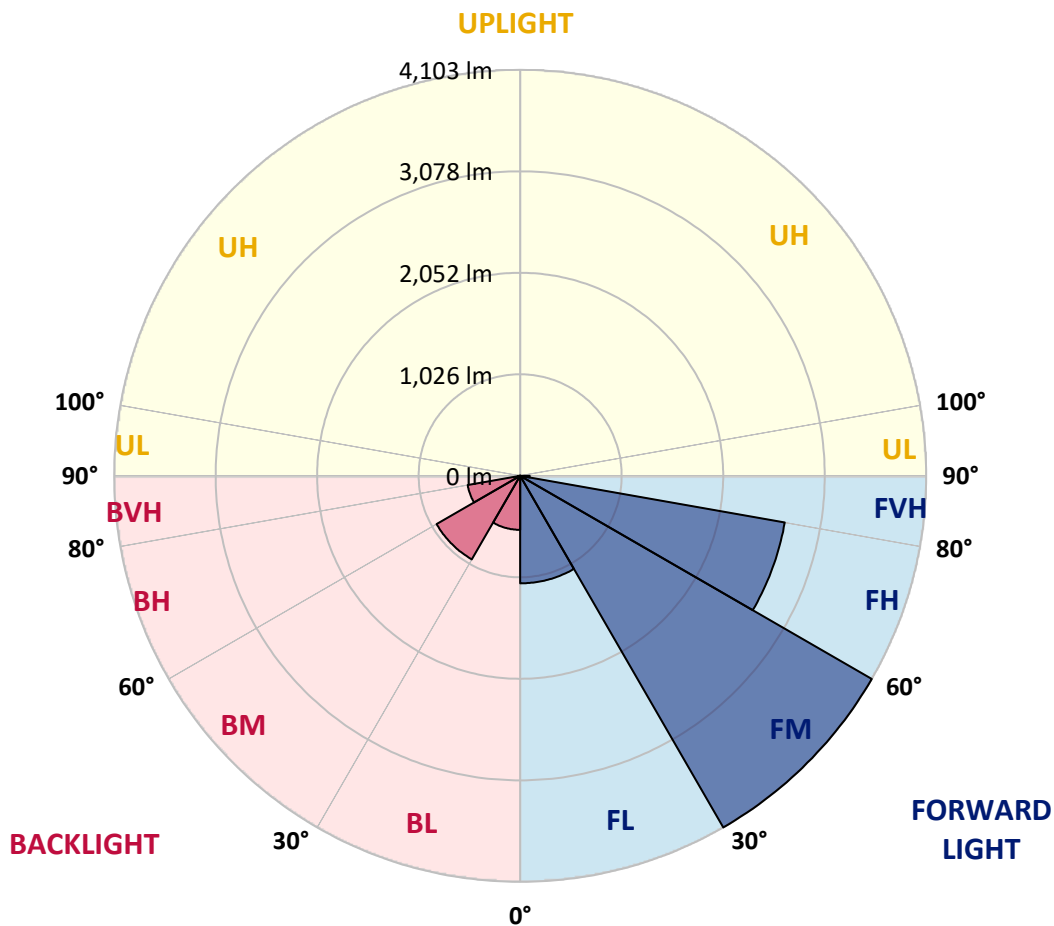
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1086.7	10.8			
FM	(30°-60°)	4103.5	40.7			
FH	(60°-80°)	2715.5	26.9			G2/5000
FVH	(80°-90°)	96.0	1.0			G1/100
BL	(0°-30°)	546.4	5.4	B2/1000		
BM	(30°-60°)	975.5	9.7	B1/1000		
BH	(60°-80°)	538.6	5.3	B2/1000		G2/1000
BVH	(80°-90°)	22.9	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°	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5	2029.5
2.5°	2143.5	2143.5	2139.7	2113.1	2101.7	2086.5	2075.1	2063.7	2059.9	2048.5	2029.5
5°	2268.9	2265.1	2265.1	2242.3	2219.5	2189.1	2158.7	2128.3	2124.5	2094.1	2052.3
7.5°	2341.1	2341.1	2333.5	2318.3	2303.1	2284.1	2238.5	2173.9	2170.1	2128.3	2071.3
10°	2360.1	2363.9	2379.1	2341.1	2329.7	2310.7	2287.9	2219.5	2208.1	2147.3	2056.1
12.5°	2428.5	2428.5	2424.7	2390.5	2379.1	2363.9	2325.9	2272.7	2261.3	2185.3	2059.9
15°	2512.1	2515.9	2504.5	2474.1	2458.9	2439.9	2390.5	2333.5	2329.7	2230.9	2090.3
17.5°	2553.9	2553.9	2561.5	2519.7	2523.5	2515.9	2493.1	2413.3	2409.5	2318.3	2143.5
20°	2569.1	2572.9	2576.7	2576.7	2580.5	2572.9	2595.7	2527.3	2515.9	2413.3	2215.7
22.5°	2637.5	2645.1	2664.1	2652.7	2671.7	2683.1	2690.7	2694.5	2679.3	2572.9	2337.3
25°	2667.9	2686.9	2713.5	2755.3	2785.7	2808.6	2865.6	2892.2	2888.4	2797.1	2538.7
27.5°	2622.3	2645.1	2736.3	2808.6	2915.0	2975.8	3082.2	3116.4	3127.8	3044.2	2755.3
30°	2683.1	2690.7	2732.5	2823.8	2956.8	3139.2	3283.6	3359.6	3359.6	3295.0	2968.2
32.5°	2588.1	2610.9	2732.5	2899.8	3105.0	3302.6	3439.4	3602.9	3602.9	3572.4	3272.2
35°	2576.7	2588.1	2660.3	2846.6	3108.8	3469.8	3652.3	3846.1	3872.7	3876.5	3572.4
37.5°	2470.3	2493.1	2622.3	2861.8	3222.8	3572.4	3827.1	4127.3	4157.7	4199.5	3823.3
40°	2352.5	2360.1	2474.1	2724.9	3196.2	3705.5	3994.3	4442.8	4477.0	4534.0	4157.7
42.5°	2177.7	2208.1	2398.1	2671.7	3184.8	3747.3	4180.5	4739.2	4777.2	4857.0	4435.2
45°	2021.9	2033.3	2173.9	2477.9	3059.4	3808.1	4324.9	5088.8	5111.6	5161.0	4667.0
47.5°	1896.4	1904.0	2044.7	2306.9	2941.6	3792.9	4465.6	5404.3	5457.5	5533.5	4940.6
50°	1520.2	1562.0	1911.6	2166.3	2736.3	3766.3	4575.8	5799.5	5879.3	5909.7	5256.1
52.5°	1296.0	1303.6	1486.0	2025.7	2523.5	3652.3	4682.2	6202.4	6293.6	6210.0	5636.1
55°	1201.0	1208.6	1292.2	1744.4	2344.9	3431.8	4762.0	6590.0	6654.6	6449.4	5921.1
57.5°	1140.1	1155.3	1193.3	1417.6	2132.1	3063.2	4777.2	6802.9	6829.5	6639.4	6065.6
60°	1056.5	1056.5	1132.5	1239.0	1900.2	2667.9	4651.8	6909.3	7038.5	6856.1	6331.6
62.5°	984.3	991.9	1041.3	1121.1	1672.2	2333.5	4283.1	7213.3	7277.9	7061.3	6426.6
65°	900.7	908.3	953.9	1033.7	1520.2	2147.3	4085.5	7091.7	6901.7	7008.1	6544.4
67.5°	805.7	809.5	855.1	927.3	1277.0	1980.0	3610.5	6628.0	6472.2	6757.2	6217.6
70°	710.7	710.7	748.7	805.7	1041.3	1736.8	2983.4	6206.2	6324.0	6339.2	5894.5
72.5°	592.9	596.7	634.7	684.1	836.1	1451.8	2360.1	5784.3	5837.5	5636.1	5183.8
75°	425.7	440.9	482.7	532.1	661.3	1151.5	1676.0	4701.2	4978.6	5335.9	4454.2
77.5°	64.6	64.6	79.8	121.6	216.6	577.7	775.3	2595.7	2880.8	4465.6	3891.7
80°	53.2	53.2	57.0	79.8	125.4	323.0	250.8	813.3	874.1	2052.3	2192.9
82.5°	26.6	26.6	41.8	57.0	76.0	95.0	106.4	391.4	452.3	699.3	874.1
85°	15.2	15.2	19.0	26.6	30.4	30.4	34.2	186.2	193.8	380.0	395.2
87.5°	3.8	3.8	7.6	7.6	7.6	3.8	3.8	3.8	3.8	3.8	3.8
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°	2021.9	2010.5	1987.6	1968.6	1957.2	1934.4	1915.4	1900.2	1892.6	1911.6	1915.4
5°	2025.7	1999.0	1957.2	1930.6	1900.2	1862.2	1816.6	1790.0	1778.6	1782.4	1793.8
7.5°	2033.3	1995.2	1945.8	1888.8	1809.0	1733.0	1679.8	1649.4	1634.2	1653.2	1653.2
10°	2010.5	1968.6	1900.2	1812.8	1710.2	1634.2	1573.4	1520.2	1501.2	1508.8	1512.6
12.5°	2010.5	1953.4	1839.4	1733.0	1638.0	1512.6	1421.4	1372.0	1353.0	1356.8	1364.4
15°	2021.9	1945.8	1786.2	1657.0	1516.4	1383.4	1303.6	1242.8	1223.8	1204.8	1212.4
17.5°	2059.9	1934.4	1759.6	1554.4	1398.6	1273.2	1162.9	1094.5	1079.3	1079.3	1083.1
20°	2097.9	1949.6	1714.0	1478.4	1292.2	1136.3	1022.3	972.9	938.7	923.5	938.7
22.5°	2177.7	2002.9	1683.6	1429.0	1181.9	1033.7	927.3	817.1	756.3	729.7	737.3
25°	2322.1	2097.9	1706.4	1341.6	1121.1	938.7	790.5	657.5	573.9	547.3	554.9
27.5°	2546.3	2253.7	1733.0	1334.0	1010.9	843.7	642.3	497.9	433.3	406.7	414.3
30°	2766.7	2466.5	1820.4	1258.0	969.1	691.7	486.5	383.8	319.2	292.6	300.2
32.5°	2956.8	2671.7	1930.6	1239.0	858.9	520.7	364.8	285.0	235.6	212.8	216.6
35°	3238.0	2846.6	2025.7	1181.9	729.7	391.4	266.0	205.2	178.6	171.0	171.0
37.5°	3488.8	3051.8	2116.9	1162.9	547.3	292.6	190.0	167.2	163.4	152.0	152.0
40°	3751.1	3268.4	2158.7	1094.5	399.0	205.2	155.8	155.8	152.0	140.6	140.6
42.5°	4058.9	3488.8	2196.7	1014.7	285.0	155.8	144.4	148.2	144.4	133.0	129.2
45°	4279.3	3625.7	2208.1	813.3	197.6	148.2	136.8	140.6	136.8	129.2	125.4
47.5°	4480.8	3823.3	2158.7	570.1	159.6	140.6	133.0	133.0	133.0	121.6	117.8
50°	4689.8	3986.7	2116.9	307.8	155.8	136.8	125.4	121.6	125.4	117.8	114.0
52.5°	4967.2	4112.1	2006.7	209.0	152.0	133.0	121.6	114.0	117.8	110.2	114.0
55°	5335.9	4442.8	1805.2	197.6	152.0	129.2	117.8	106.4	106.4	102.6	102.6
57.5°	5503.1	4568.2	1482.2	190.0	148.2	129.2	110.2	98.8	91.2	87.4	83.6
60°	5708.3	4750.6	1143.9	174.8	136.8	121.6	98.8	87.4	76.0	72.2	72.2
62.5°	5814.7	4792.4	904.5	155.8	125.4	106.4	87.4	72.2	60.8	53.2	53.2
65°	5875.5	4769.6	630.9	140.6	110.2	95.0	76.0	60.8	45.6	41.8	38.0
67.5°	5670.3	4632.8	368.6	121.6	95.0	83.6	64.6	49.4	38.0	34.2	30.4
70°	5259.9	4214.7	231.8	106.4	83.6	72.2	57.0	41.8	30.4	26.6	26.6
72.5°	4819.0	3397.6	159.6	83.6	64.6	57.0	41.8	34.2	26.6	19.0	19.0
75°	4336.3	2949.2	117.8	60.8	45.6	41.8	34.2	26.6	22.8	15.2	15.2
77.5°	3074.6	1953.4	95.0	45.6	30.4	26.6	22.8	19.0	15.2	15.2	11.4
80°	1816.6	953.9	72.2	30.4	22.8	19.0	15.2	15.2	11.4	11.4	11.4
82.5°	680.3	364.8	49.4	22.8	15.2	15.2	11.4	11.4	7.6	7.6	7.6
85°	247.0	91.2	22.8	11.4	11.4	7.6	7.6	7.6	7.6	7.6	7.6
87.5°	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8	3.8
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)