

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: P1211382

Luminaire Tested: **ARCH4-260-722-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211382
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-4)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-260-722-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE III
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22736 lumens
Efficiency: N/A
Efficacy: 87.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G4

Input Watts (W): 259.2
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



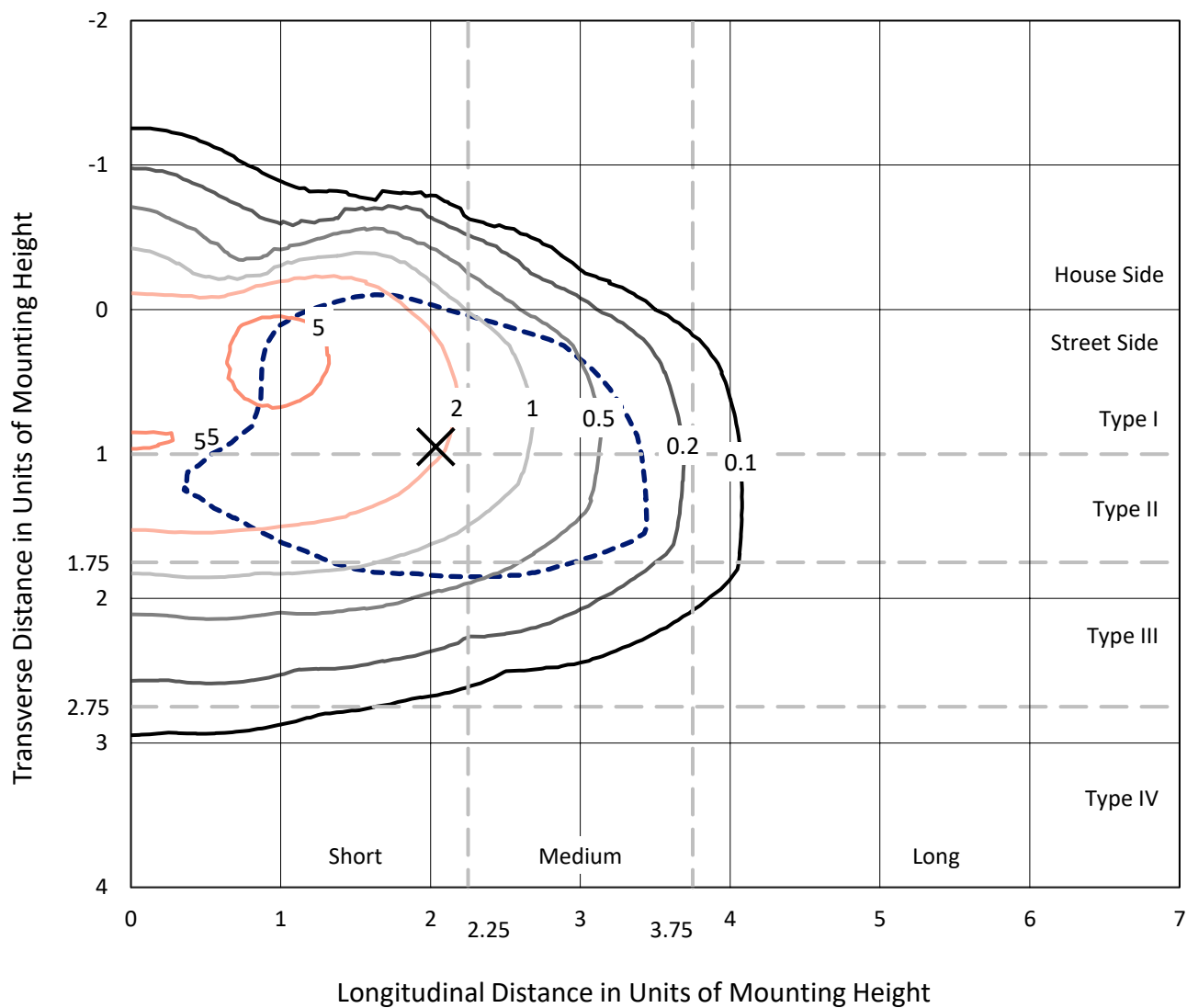
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Iso-Footcandle Lines of Horizontal Illumination

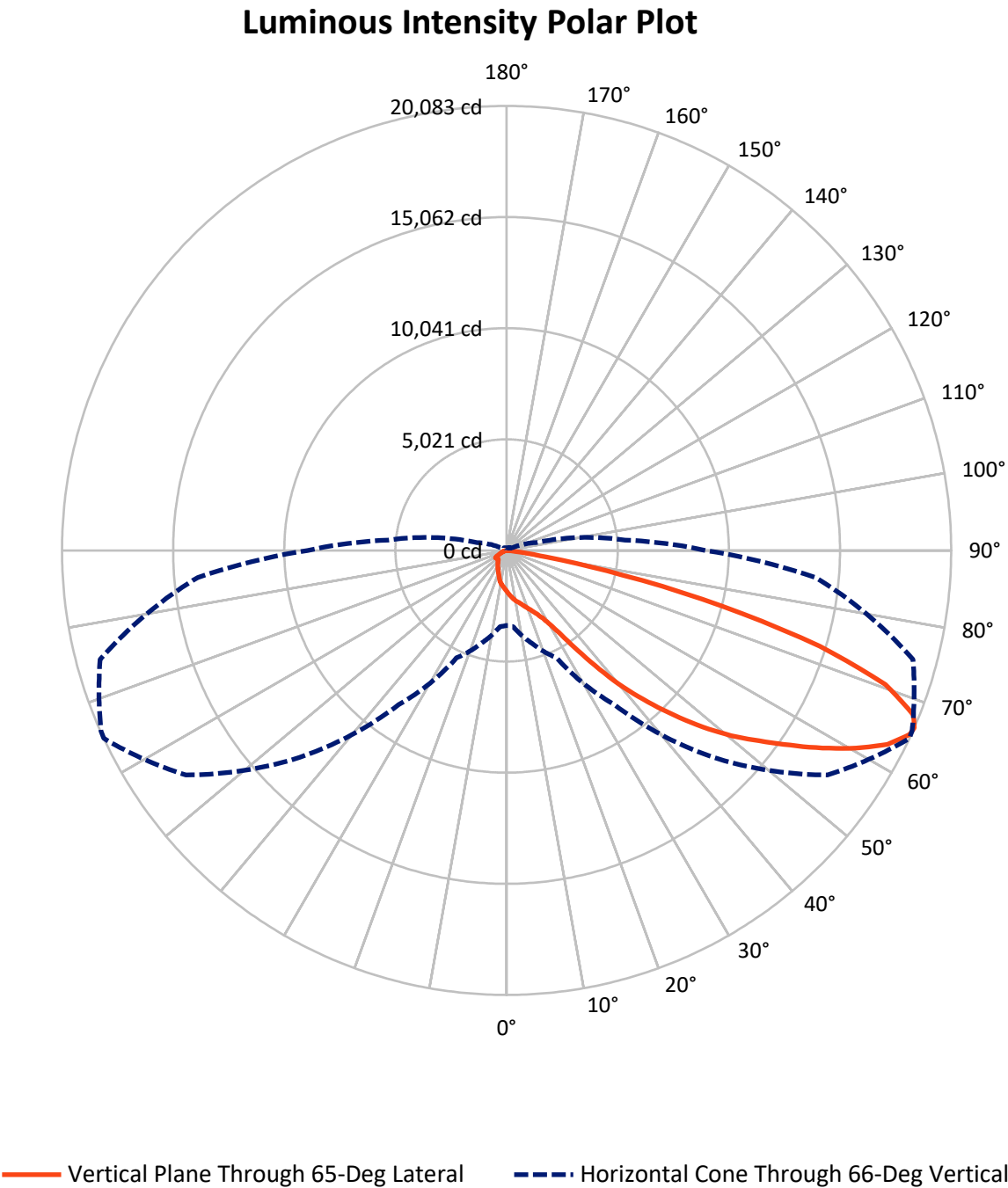
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Short - N/A

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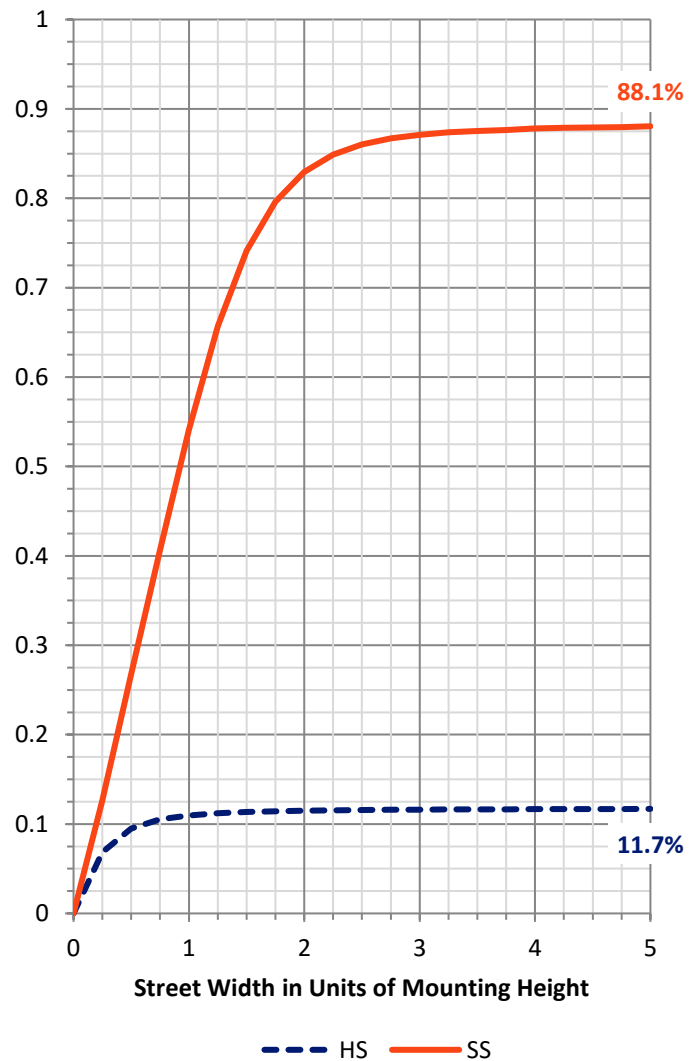
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2683.3	0.0	2683.3
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	20052.7	0.0	20052.7
	% Fixture	88.2	0.0	88.2
Total	Lumens	22736.0	0.0	22736.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	175.6	0.8
10°-20°	519.8	2.3
20°-30°	951.5	4.2
30°-40°	1933.4	8.5
40°-50°	4082.8	18.0
50°-60°	6276.5	27.6
60°-70°	6317.8	27.8
70°-80°	2360.7	10.4
80°-90°	117.9	0.5
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°	22736.0	100.0
0°-180°	22736.0	100.0

Coefficient of Utilization



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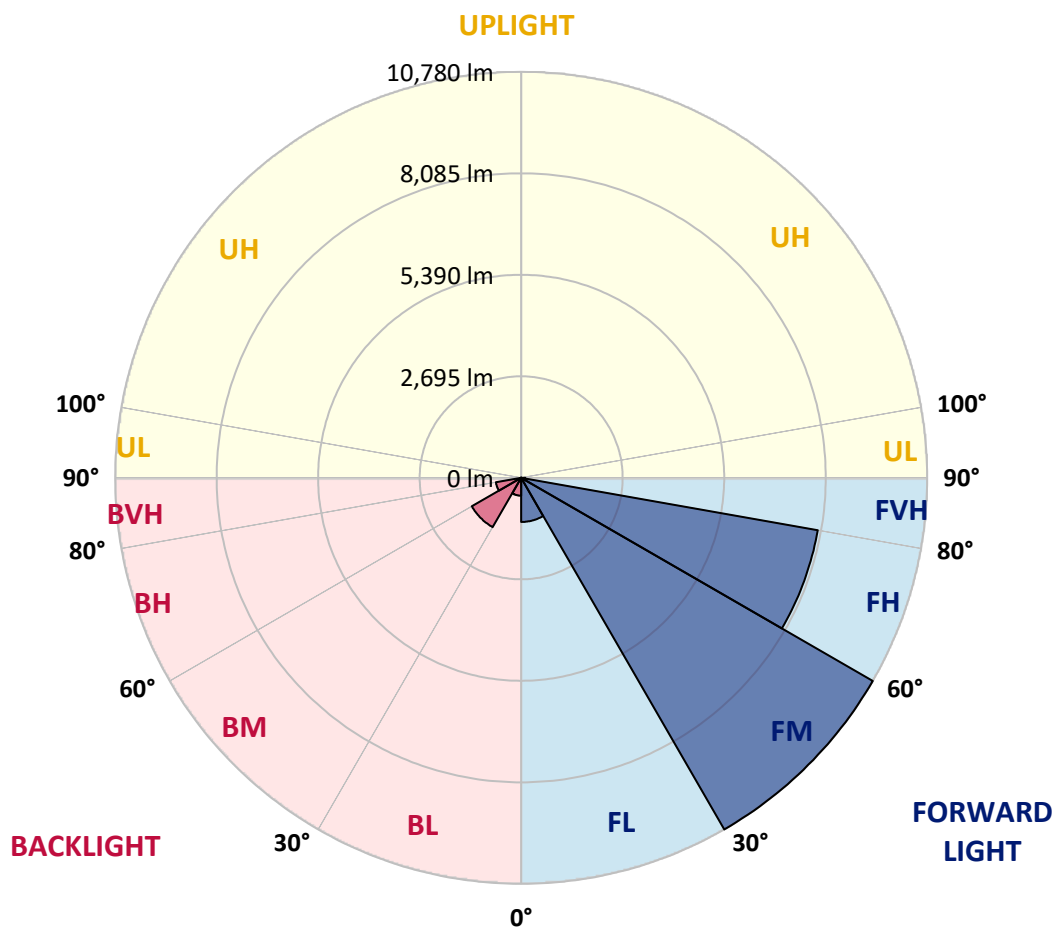
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1172.0	5.2			
FM	(30°-60°)	10779.8	47.4			
FH	(60°-80°)	7996.8	35.2			G4/12000
FVH	(80°-90°)	104.1	0.5			G2/225
BL	(0°-30°)	474.9	2.1	B1/500		
BM	(30°-60°)	1512.9	6.7	B2/2500		
BH	(60°-80°)	681.6	3.0	B2/1000		G2/1000
BVH	(80°-90°)	13.9	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°	85°
0°	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3
2.5°	2112.3	2116.4	2108.1	2091.6	2075.1	2054.5	2021.5	1967.9	1959.6	1922.5	1881.2
5°	2256.6	2264.9	2252.5	2248.4	2240.1	2211.3	2165.9	2087.5	2079.2	2005.0	1910.1
7.5°	2306.1	2318.5	2310.3	2310.3	2310.3	2297.9	2277.3	2207.1	2194.8	2099.9	1955.5
10°	2343.3	2351.5	2347.4	2363.9	2376.3	2368.0	2355.7	2314.4	2302.0	2207.1	2017.4
12.5°	2401.0	2405.2	2409.3	2417.5	2438.2	2446.4	2442.3	2405.2	2396.9	2330.9	2095.7
15°	2454.7	2454.7	2458.8	2495.9	2524.8	2541.3	2545.4	2516.5	2508.3	2454.7	2194.8
17.5°	2504.2	2508.3	2520.7	2561.9	2611.4	2644.4	2665.1	2652.7	2640.3	2599.1	2310.3
20°	2578.4	2586.7	2599.1	2656.8	2706.3	2760.0	2801.2	2797.1	2793.0	2764.1	2446.4
22.5°	2706.3	2714.6	2735.2	2788.8	2838.3	2904.3	2974.5	2970.4	2958.0	2937.3	2607.3
25°	2900.2	2900.2	2912.6	2958.0	3019.9	3098.2	3164.2	3176.6	3164.2	3151.9	2809.5
27.5°	3143.6	3147.7	3147.7	3197.3	3255.0	3354.0	3436.5	3448.9	3448.9	3436.5	3081.7
30°	3481.9	3469.5	3461.3	3502.5	3564.4	3708.8	3853.2	3878.0	3865.6	3886.2	3465.4
32.5°	4063.6	4043.0	3972.8	3981.1	4018.2	4216.2	4459.7	4546.3	4542.2	4579.3	4084.2
35°	4868.1	4826.8	4723.7	4637.0	4632.9	4847.4	5218.7	5544.7	5540.5	5668.4	5024.8
37.5°	5775.7	5829.3	5635.4	5486.9	5441.5	5610.7	6089.2	6794.7	6831.8	7054.6	6258.4
40°	6988.6	7021.6	6774.1	6563.7	6349.1	6411.0	7042.2	8139.6	8205.6	8453.1	7491.9
42.5°	8044.7	8077.7	7933.3	7677.5	7405.3	7289.7	8003.4	9360.7	9414.4	9756.8	8762.5
45°	8762.5	8787.3	8836.8	8861.5	8552.1	8312.9	9179.2	10614.9	10680.9	11076.9	10004.3
47.5°	9323.6	9344.2	9443.2	9690.8	9628.9	9439.1	10375.6	11918.5	11935.0	12376.5	11213.1
50°	9583.5	9633.0	9876.4	10256.0	10528.2	10581.9	11675.1	13152.1	13197.4	13618.2	12355.8
52.5°	9294.7	9311.2	9925.9	10639.6	11188.3	11732.9	12978.8	14294.8	14426.8	14740.4	13383.1
55°	8321.1	8440.7	9373.1	10627.3	11708.1	12826.1	14373.2	15528.3	15648.0	15846.0	14286.6
57.5°	7190.7	7322.7	8457.3	10095.1	11930.9	13836.9	15664.5	16840.2	16922.8	16976.4	15115.8
60°	6213.0	6336.8	7504.3	9076.1	11708.1	14550.6	16865.0	18143.9	18214.0	18069.6	15532.5
62.5°	5012.5	5136.2	6312.0	7727.0	10833.5	14695.0	17756.1	19303.2	19332.0	18940.1	15276.7
65°	3778.9	3861.5	4843.3	6056.2	9303.0	13927.6	17958.3	20025.1	19996.2	19191.8	14509.3
66°	3387.0	3457.2	4323.5	5354.9	8506.8	13226.3	17686.0	20082.9	20054.0	19006.1	14006.0
67.5°	2920.8	2941.5	3655.2	4381.3	7116.5	11737.0	16856.7	19818.8	19843.6	18494.6	13086.0
70°	2281.4	2277.3	2689.8	3048.7	4859.8	8350.0	14059.7	18156.3	18275.9	16563.8	11159.4
72.5°	1460.4	1410.9	1650.2	1864.7	2830.1	4847.4	10251.8	14798.1	15000.3	13011.8	8312.9
75°	870.5	821.0	878.7	932.4	1357.3	2330.9	6027.3	10070.3	10264.2	8341.7	4946.5
77.5°	651.8	631.2	635.3	589.9	602.3	874.6	2751.7	5321.9	5462.1	3415.9	1877.1
80°	499.2	445.6	416.7	437.3	396.0	346.5	1023.1	1831.7	1918.4	808.6	391.9
82.5°	334.2	288.8	268.2	292.9	251.7	193.9	247.5	354.8	346.5	218.7	152.6
85°	173.3	148.5	148.5	148.5	127.9	94.9	107.3	144.4	144.4	115.5	90.8
87.5°	49.5	45.4	53.6	49.5	37.1	37.1	41.3	49.5	49.5	45.4	41.3
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°	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3	1852.3
2.5°	1848.2	1831.7	1786.3	1753.3	1720.3	1691.5	1658.4	1650.2	1633.7	1637.8	1629.6
5°	1860.6	1815.2	1736.8	1662.6	1604.8	1555.3	1493.4	1468.7	1435.7	1423.3	1415.0
7.5°	1877.1	1811.1	1695.6	1592.4	1493.4	1394.4	1295.4	1237.6	1200.5	1184.0	1171.6
10°	1914.2	1827.6	1674.9	1514.1	1344.9	1204.6	1105.6	1064.4	1039.6	1035.5	1031.4
12.5°	1963.7	1852.3	1654.3	1415.0	1192.3	1060.3	998.4	986.0	981.9	981.9	977.7
15°	2038.0	1893.6	1621.3	1299.5	1072.6	981.9	953.0	932.4	924.1	924.1	924.1
17.5°	2112.3	1943.1	1571.8	1179.9	990.1	932.4	903.5	891.1	882.9	887.0	882.9
20°	2207.1	2000.9	1505.8	1076.8	936.5	891.1	862.2	849.9	845.7	845.7	845.7
22.5°	2314.4	2066.9	1423.3	998.4	891.1	849.9	821.0	808.6	800.3	804.5	804.5
25°	2458.8	2149.4	1336.7	920.0	845.7	808.6	775.6	759.1	759.1	763.2	767.3
27.5°	2644.4	2248.4	1250.0	870.5	804.5	767.3	730.2	713.7	717.8	726.1	726.1
30°	2916.7	2384.5	1163.4	816.8	759.1	717.8	684.8	668.3	676.6	693.1	693.1
32.5°	3304.5	2607.3	1089.1	755.0	693.1	647.7	614.7	602.3	622.9	656.0	656.0
35°	3997.6	3015.7	1043.7	693.1	622.9	569.3	528.1	515.7	544.6	585.8	585.8
37.5°	4925.8	3671.7	1060.3	639.5	565.2	503.3	457.9	441.4	462.1	499.2	511.6
40°	5961.3	4463.8	1204.6	594.1	511.6	449.7	404.3	387.8	400.2	416.7	420.8
42.5°	6996.8	5305.4	1476.9	561.1	470.3	404.3	363.0	350.7	358.9	363.0	367.2
45°	8028.2	6138.7	1819.3	540.4	433.2	367.2	325.9	325.9	330.0	330.0	330.0
47.5°	9005.9	6951.4	2178.3	536.3	400.2	330.0	297.0	301.2	301.2	305.3	305.3
50°	9930.1	7677.5	2541.3	548.7	371.3	297.0	272.3	272.3	272.3	276.4	272.3
52.5°	10701.5	8312.9	2920.8	569.3	342.4	272.3	247.5	247.5	247.5	251.7	247.5
55°	11431.7	8890.4	3308.6	598.2	317.7	251.7	226.9	218.7	218.7	222.8	218.7
57.5°	12025.8	9274.1	3675.8	602.3	297.0	231.0	210.4	198.0	198.0	198.0	198.0
60°	12050.6	9051.3	3783.1	528.1	272.3	210.4	189.8	173.3	177.4	177.4	177.4
62.5°	11262.6	7879.7	3040.5	396.0	243.4	189.8	173.3	156.8	156.8	156.8	156.8
65°	9715.5	6130.5	1782.2	313.5	210.4	169.1	152.6	140.3	140.3	140.3	136.1
66°	8989.4	5375.5	1365.5	284.7	198.0	165.0	148.5	136.1	132.0	127.9	127.9
67.5°	7805.4	4249.3	854.0	251.7	181.5	152.6	136.1	123.8	119.6	115.5	115.5
70°	5878.8	2698.1	416.7	193.9	156.8	132.0	119.6	107.3	103.1	99.0	94.9
72.5°	4125.5	1580.1	218.7	148.5	127.9	115.5	103.1	90.8	86.6	82.5	82.5
75°	2330.9	763.2	144.4	107.3	103.1	94.9	86.6	74.3	70.1	70.1	70.1
77.5°	882.9	264.0	99.0	78.4	82.5	74.3	61.9	61.9	57.8	61.9	57.8
80°	231.0	115.5	61.9	57.8	61.9	53.6	45.4	49.5	49.5	49.5	49.5
82.5°	123.8	66.0	37.1	41.3	37.1	37.1	28.9	33.0	37.1	33.0	37.1
85°	86.6	33.0	20.6	20.6	16.5	16.5	12.4	16.5	20.6	16.5	16.5
87.5°	45.4	12.4	12.4	12.4	12.4	8.3	4.1	0.0	4.1	4.1	4.1
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)