

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: P1211333

Luminaire Tested: **ARCH4-240-740-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211333
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-240-740-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 940mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36360 lumens
Efficiency: N/A
Efficacy: 151.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G4

Input Watts (W): 240.2
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

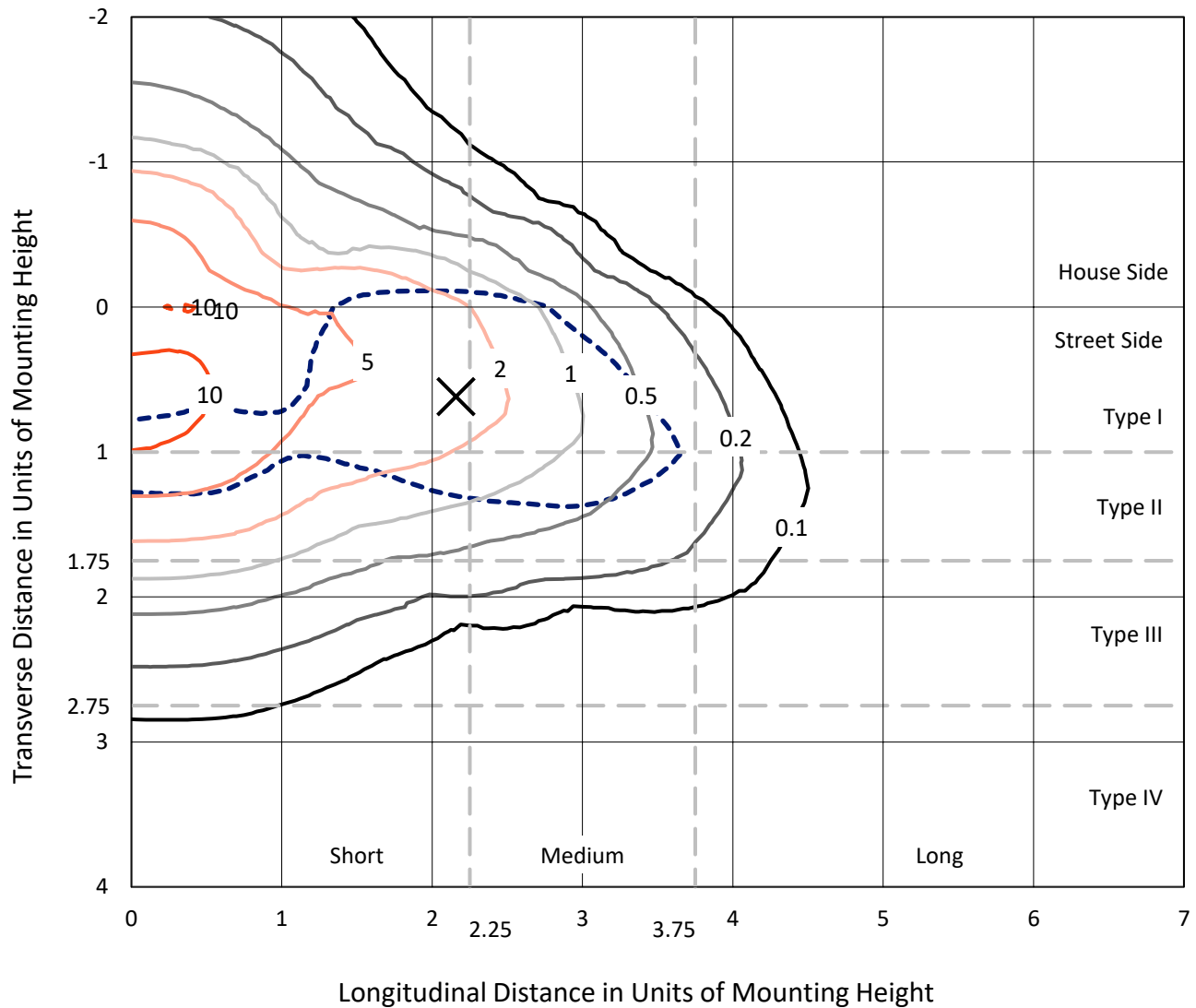


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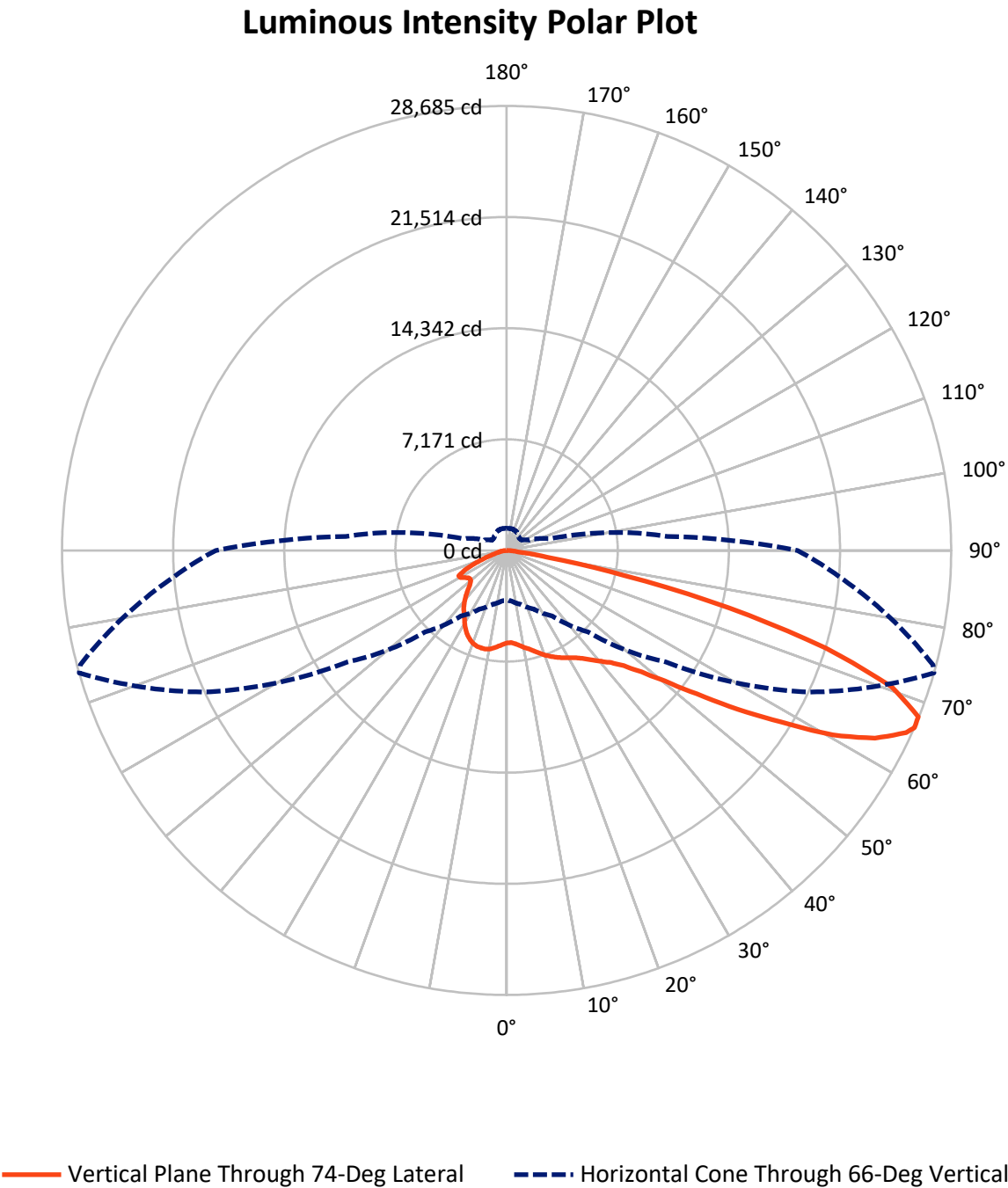
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
Type II - Short - N/A

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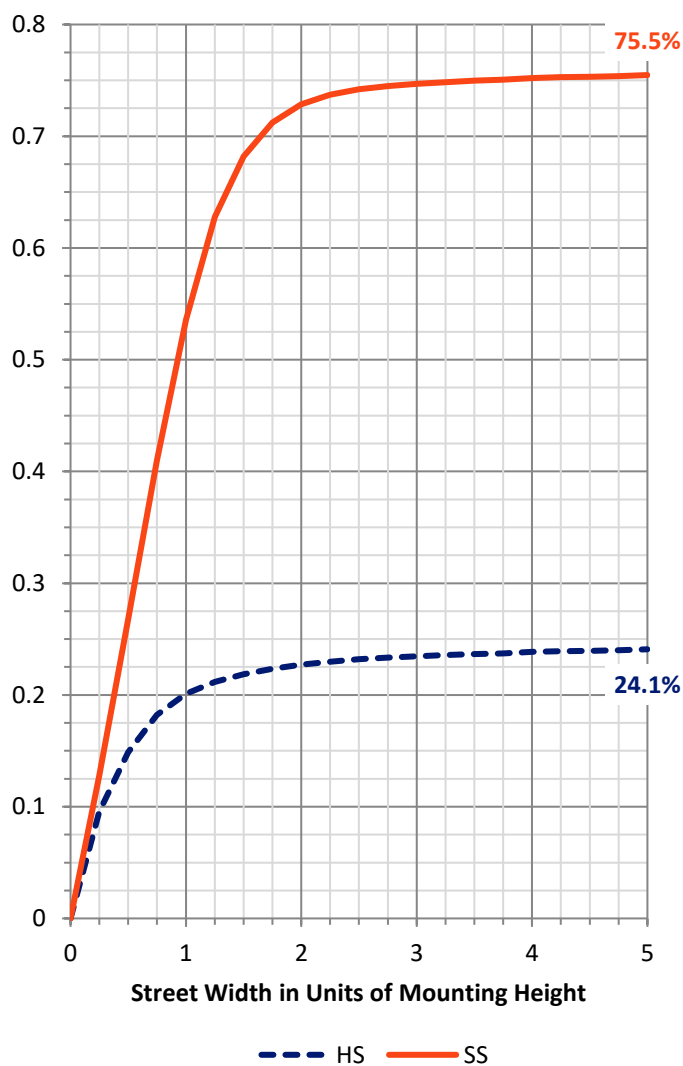
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8854.7	0.0	8854.7
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	27505.4	0.0	27505.4
	% Fixture	75.6	0.0	75.6
Total	Lumens	36360.0	0.0	36360.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	568.6	1.6
10°-20°	1748.5	4.8
20°-30°	3281.1	9.0
30°-40°	5047.2	13.9
40°-50°	6788.9	18.7
50°-60°	8028.6	22.1
60°-70°	7426.9	20.4
70°-80°	3124.5	8.6
80°-90°	345.7	1.0
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°	36360.0	100.0
0°-180°	36360.0	100.0

Coefficient of Utilization



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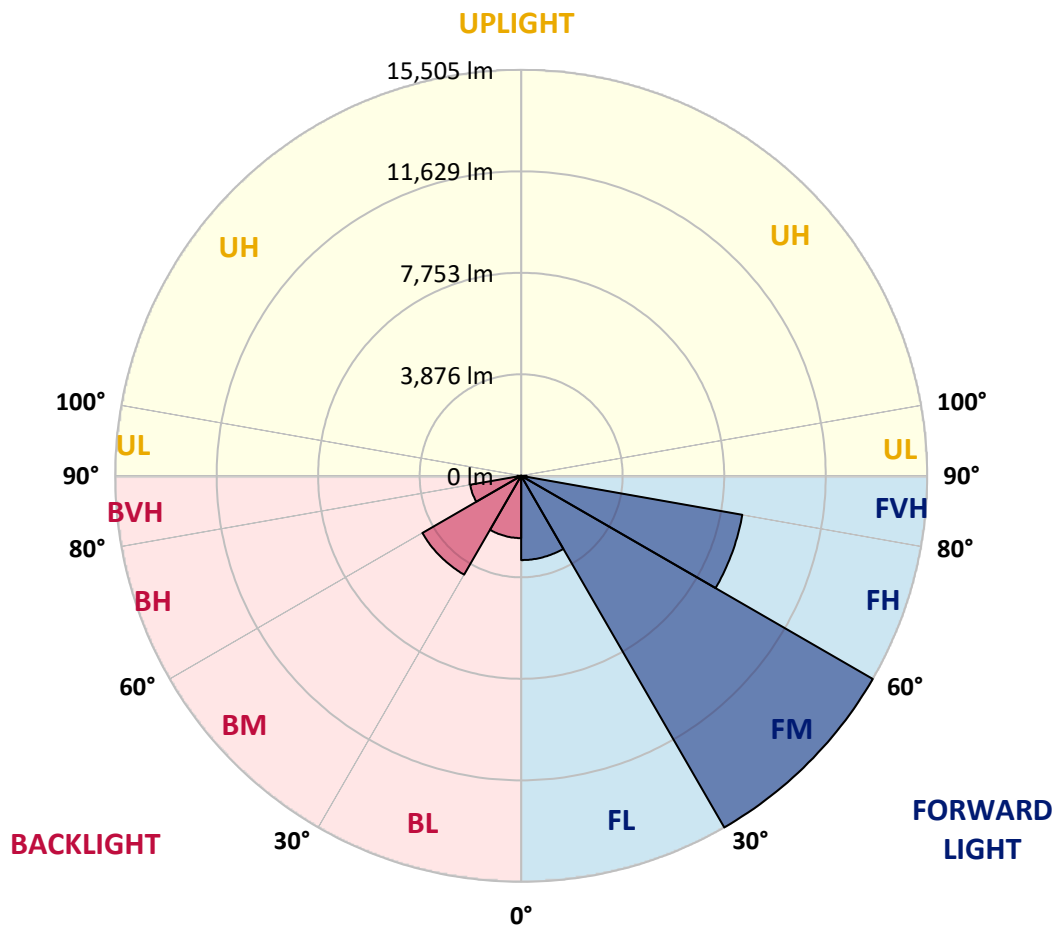
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3218.3	8.9			
FM	(30°-60°)	15505.5	42.6			
FH	(60°-80°)	8574.7	23.6			G4/12000
FVH	(80°-90°)	206.9	0.6			G2/225
BL	(0°-30°)	2379.9	6.5	B3/2500		
BM	(30°-60°)	4359.2	12.0	B3/5000		
BH	(60°-80°)	1976.7	5.4	B3/2500		G3/2500
BVH	(80°-90°)	138.9	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6
2.5°	5941.9	5932.5	5951.3	5979.3	5993.4	5970.0	5960.6	5955.9	5955.9	5941.9	5965.3
5°	5661.2	5656.5	5698.6	5750.1	5848.3	5918.5	6012.1	6068.2	6049.5	6021.4	6040.2
7.5°	5296.2	5286.9	5338.4	5436.6	5572.3	5726.7	5955.9	6133.7	6203.9	6194.5	6189.9
10°	5436.6	5427.2	5422.6	5394.5	5441.3	5591.0	5829.6	6143.1	6381.7	6386.4	6391.0
12.5°	5923.2	5946.6	5923.2	5834.3	5731.4	5675.2	5815.6	6166.5	6531.4	6559.5	6676.4
15°	6587.6	6564.2	6517.4	6414.4	6255.4	6086.9	5984.0	6274.1	6746.6	6770.0	7027.3
17.5°	7172.4	7191.1	7163.0	7064.8	6877.6	6657.7	6344.3	6461.2	6975.9	7041.4	7401.6
20°	7808.7	7883.5	7846.1	7724.5	7570.1	7242.6	6849.6	6732.6	7228.5	7275.3	7790.0
22.5°	8543.2	8622.8	8552.6	8435.6	8309.3	7906.9	7401.6	7064.8	7439.1	7537.3	8164.3
25°	9422.8	9497.7	9432.2	9249.7	9090.6	8599.4	7995.8	7439.1	7644.9	7752.5	8468.4
27.5°	10119.9	10176.1	10236.9	10129.3	9886.0	9376.0	8613.4	7827.4	7850.8	7963.1	8749.1
30°	10742.2	10882.6	10934.0	10948.1	10742.2	10171.4	9245.0	8229.8	8028.6	8145.5	9029.8
32.5°	11593.7	11804.3	11720.0	11804.3	11682.6	10920.0	9900.0	8646.2	8257.8	8365.4	9296.5
35°	12838.2	13006.7	12786.8	12721.3	12524.8	11677.9	10531.7	9076.6	8561.9	8678.9	9549.1
37.5°	14176.3	14368.2	14050.0	13788.0	13413.7	12426.5	11074.4	9642.7	8983.0	9076.6	9783.1
40°	15346.0	15505.1	15229.0	14882.8	14255.9	13086.2	11542.3	10040.4	9404.1	9521.1	10054.4
42.5°	16426.8	16529.7	16220.9	15888.7	15051.2	13680.4	12047.5	10461.5	9895.4	10007.7	10274.3
45°	17521.6	17601.1	17170.7	16698.1	15715.6	14223.1	12604.3	11051.0	10615.9	10765.6	10629.9
47.5°	17718.1	17741.5	17666.6	17348.5	16239.6	14742.5	13292.1	11841.7	11715.4	11879.1	11242.8
50°	16356.6	16567.1	17030.3	17343.8	16450.2	15177.6	13979.8	12973.9	13231.3	13441.8	12515.4
52.5°	13713.2	13914.3	14985.7	16174.1	15944.9	15275.8	14719.1	14410.3	15369.4	15622.0	14246.5
55°	10924.7	11102.5	12234.7	13947.1	14312.0	14826.7	15509.8	16244.3	18097.1	18265.5	16146.1
57.5°	8997.1	9095.3	9904.7	11551.6	12136.4	13390.3	15935.5	18424.6	20871.5	21128.8	17797.6
60°	7378.2	7485.9	8089.4	9446.2	10222.9	11336.4	15598.7	20576.7	24184.0	24184.0	19917.1
62.5°	5553.6	5647.1	6208.6	7270.6	8576.0	9595.9	14522.6	22003.7	26682.4	26570.1	21451.7
65°	3813.1	3888.0	4295.0	5001.5	6175.8	8178.3	13053.5	22022.5	28338.6	28188.9	22106.7
66°	3200.2	3265.7	3611.9	4182.7	5169.9	7420.4	12534.1	21624.8	28684.9	28474.3	21830.6
67.5°	2526.5	2573.3	2802.5	3139.4	3789.7	6007.4	11715.4	20497.2	28652.1	28525.8	21128.8
70°	1806.0	1838.7	2007.1	2077.3	2241.1	3476.2	9305.9	17952.0	26354.9	26392.3	18368.4
72.5°	1398.9	1450.4	1553.3	1567.4	1529.9	1848.1	5647.1	14976.4	21559.3	21545.2	13633.6
75°	1127.6	1155.6	1207.1	1235.2	1225.8	1193.1	2390.8	11172.6	14840.7	15013.8	7635.6
77.5°	888.9	884.3	931.1	968.5	996.6	935.7	1094.8	6550.1	7780.6	7560.7	2868.0
80°	655.0	655.0	720.5	734.5	776.7	786.0	729.9	2526.5	2671.5	2428.2	743.9
82.5°	430.4	430.4	500.6	510.0	552.1	612.9	528.7	757.9	739.2	701.8	336.9
85°	233.9	224.6	248.0	280.7	304.1	360.3	318.1	379.0	388.3	383.7	224.6
87.5°	46.8	42.1	65.5	74.9	84.2	112.3	102.9	154.4	215.2	210.5	98.3
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°	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6	5960.6
2.5°	5998.0	5993.4	6044.8	6105.7	6175.8	6217.9	6236.7	6269.4	6246.0	6255.4	6283.4
5°	6086.9	6101.0	6175.8	6255.4	6288.1	6264.7	6213.3	6194.5	6152.4	6143.1	6133.7
7.5°	6217.9	6241.3	6316.2	6334.9	6236.7	6072.9	5955.9	5890.4	5820.3	5801.5	5792.2
10°	6433.2	6447.2	6465.9	6274.1	6030.8	5810.9	5665.9	5605.0	5558.2	5520.8	5530.2
12.5°	6704.5	6695.2	6550.1	6152.4	5806.2	5581.6	5483.4	5446.0	5413.2	5389.8	5385.1
15°	7046.1	6980.6	6564.2	5984.0	5595.7	5408.5	5338.4	5324.3	5286.9	5286.9	5282.2
17.5°	7392.3	7223.9	6554.8	5806.2	5394.5	5291.6	5249.5	5240.1	5230.7	5226.1	5240.1
20°	7738.5	7439.1	6479.9	5586.3	5254.1	5193.3	5184.0	5188.6	5179.3	5193.3	5184.0
22.5°	8042.6	7579.4	6339.6	5352.4	5155.9	5151.2	5127.8	5137.2	5169.9	5174.6	5188.6
25°	8276.5	7630.9	6133.7	5137.2	5085.7	5076.3	5104.4	5141.8	5169.9	5174.6	5198.0
27.5°	8468.4	7602.8	5876.4	4968.7	4964.1	5015.5	5099.7	5113.8	5118.5	5118.5	5099.7
30°	8613.4	7542.0	5548.9	4781.6	4805.0	4931.3	5010.8	5010.8	4973.4	4964.1	4992.1
32.5°	8646.2	7462.5	5193.3	4589.8	4627.2	4776.9	4875.2	4842.4	4800.3	4800.3	4819.0
35°	8674.2	7354.9	4907.9	4327.8	4383.9	4561.7	4655.3	4589.8	4543.0	4528.9	4524.3
37.5°	8664.9	7312.7	4650.6	3995.6	4070.4	4243.5	4304.4	4243.5	4173.4	4140.6	4182.7
40°	8674.2	7284.7	4327.8	3630.6	3705.5	3808.4	3888.0	3841.2	3775.7	3691.5	3733.6
42.5°	8730.4	7322.1	3972.2	3275.1	3275.1	3331.2	3466.9	3434.1	3275.1	3242.3	3279.7
45°	9029.8	7523.3	3616.6	2919.5	2868.0	2905.4	3045.8	2905.4	2807.2	2807.2	2839.9
47.5°	9755.0	7897.6	3303.1	2606.0	2484.4	2559.2	2596.7	2465.7	2390.8	2372.1	2404.8
50°	11233.5	8646.2	3116.0	2348.7	2199.0	2255.1	2231.7	2227.0	2152.2	2161.5	2180.3
52.5°	13479.2	10105.9	3059.8	2222.4	2035.2	2049.3	2025.9	2035.2	2021.2	2068.0	2082.0
55°	15926.2	11645.2	3130.0	2241.1	1922.9	1824.7	1834.0	1880.8	1937.0	2011.8	2025.9
57.5°	17755.5	12417.2	3312.5	2367.4	1782.6	1632.9	1656.2	1745.1	1852.7	1913.6	1946.3
60°	19117.0	12323.6	3579.2	2400.2	1614.1	1459.7	1501.8	1632.9	1726.4	1777.9	1810.6
62.5°	19561.5	11738.8	3644.7	2161.5	1394.2	1296.0	1398.9	1534.6	1576.7	1632.9	1656.2
65°	19196.5	10910.6	3167.5	1754.5	1225.8	1174.3	1324.1	1427.0	1483.1	1511.2	1515.9
66°	18766.1	10414.7	2910.1	1595.4	1165.0	1136.9	1296.0	1380.2	1436.3	1431.7	1436.3
67.5°	17821.0	9376.0	2493.7	1370.8	1076.1	1080.8	1249.2	1305.3	1324.1	1310.0	1310.0
70°	14606.8	6601.6	1787.2	1038.7	945.1	1010.6	1122.9	1136.9	1179.0	1160.3	1160.3
72.5°	9006.4	3242.3	1197.7	795.4	842.2	945.1	940.4	987.2	1085.4	1113.5	1132.2
75°	4426.0	1314.7	790.7	673.7	753.3	790.7	781.3	898.3	1038.7	1160.3	1202.4
77.5°	1679.6	655.0	552.1	589.5	608.2	594.2	622.3	814.1	1038.7	1258.6	1300.7
80°	519.3	453.8	435.1	486.6	458.5	435.1	467.9	673.7	879.6	954.4	954.4
82.5°	313.5	355.6	336.9	332.2	308.8	313.5	336.9	481.9	678.4	711.2	711.2
85°	219.9	233.9	191.8	182.5	177.8	173.1	173.1	280.7	402.4	397.7	411.7
87.5°	84.2	93.6	70.2	70.2	65.5	46.8	37.4	46.8	46.8	32.8	23.4
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)