

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: P1211397

Luminaire Tested: **ARCH4-260-740-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211397
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: ARCH4-260-740-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 4000K, 1010mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 38471 lumens
Efficiency: N/A
Efficacy: 148.4 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - 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



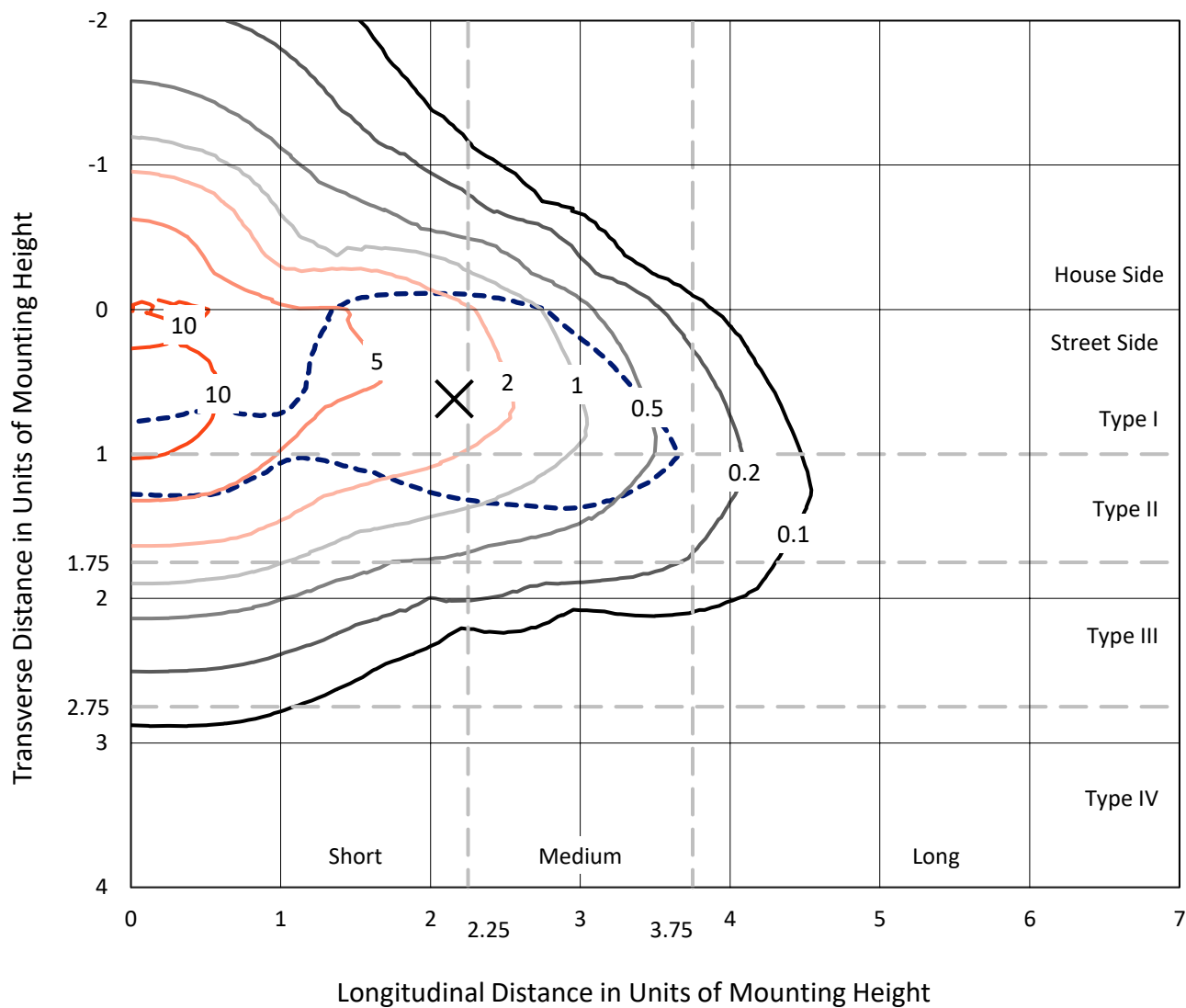
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

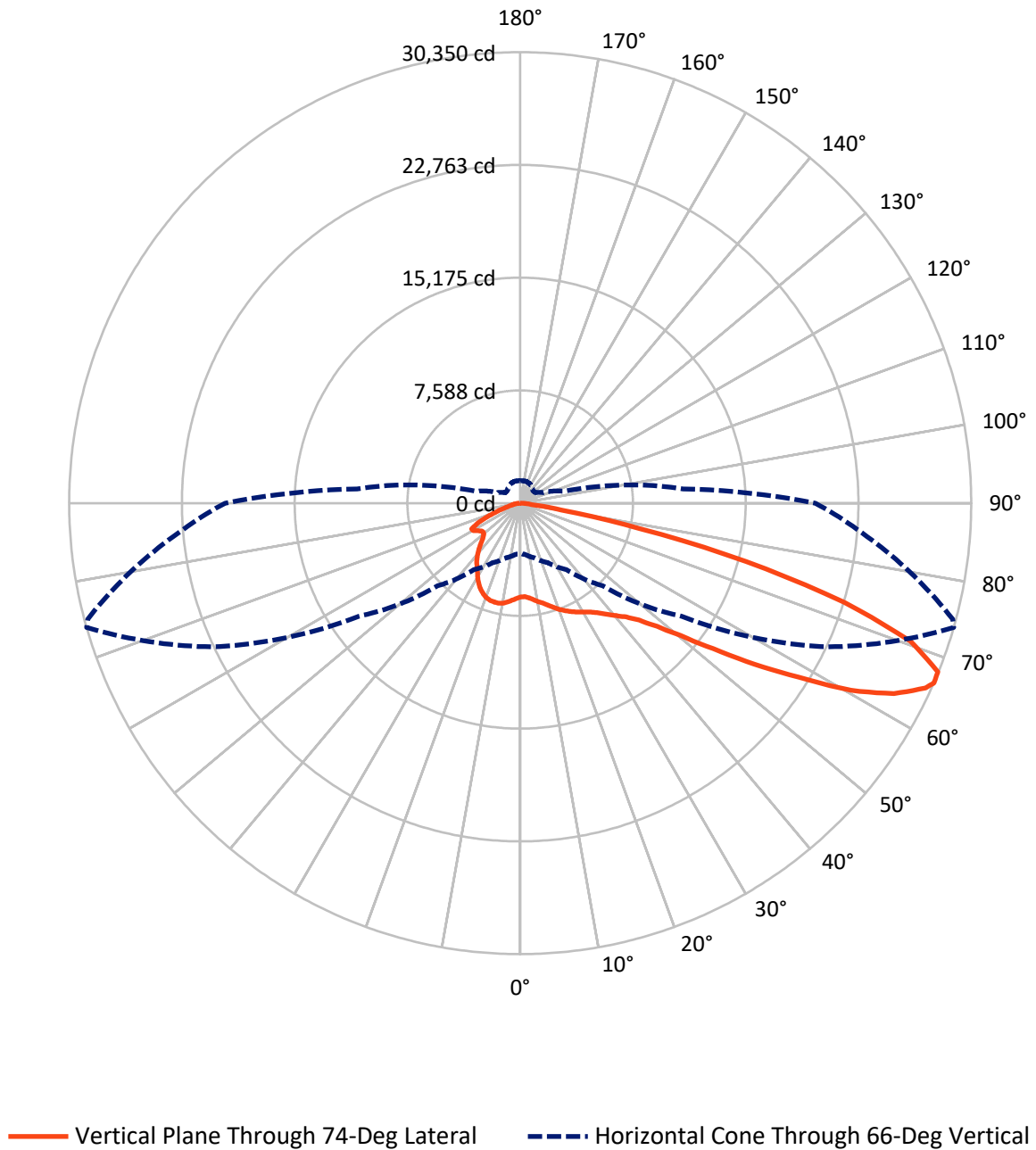


Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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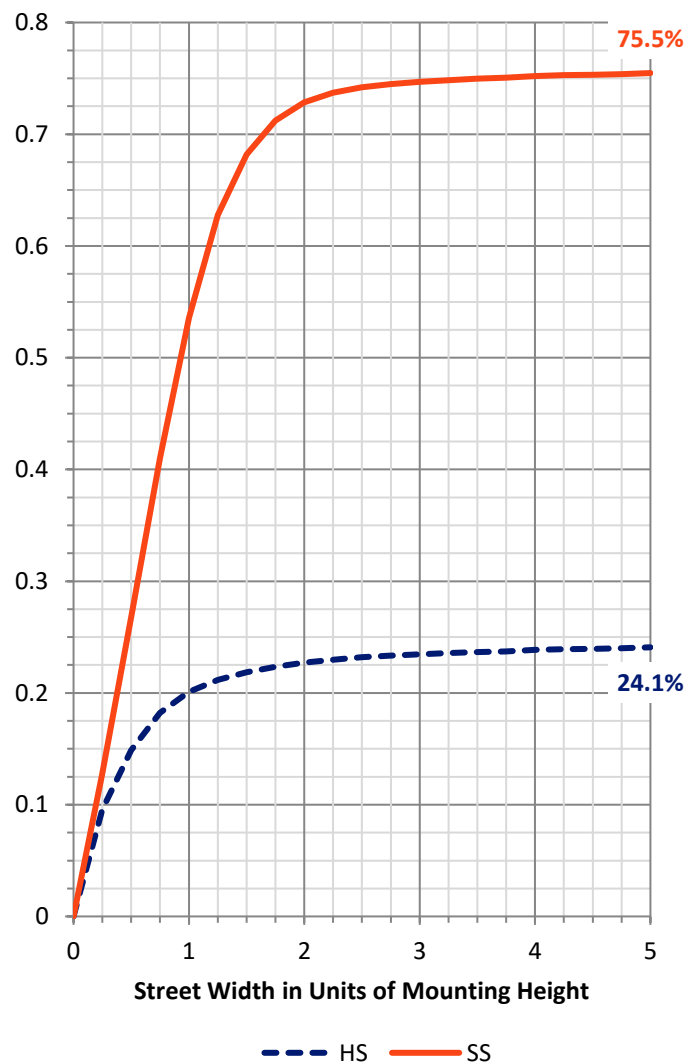
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9368.7	0.0	9368.7
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	29102.3	0.0	29102.3
	% Fixture	75.6	0.0	75.6
Total	Lumens	38471.0	0.0	38471.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.6	1.6
10°-20°	1850.0	4.8
20°-30°	3471.6	9.0
30°-40°	5340.2	13.9
40°-50°	7183.0	18.7
50°-60°	8494.8	22.1
60°-70°	7858.1	20.4
70°-80°	3305.9	8.6
80°-90°	365.8	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°	38471.0	100.0
0°-180°	38471.0	100.0

Coefficient of Utilization



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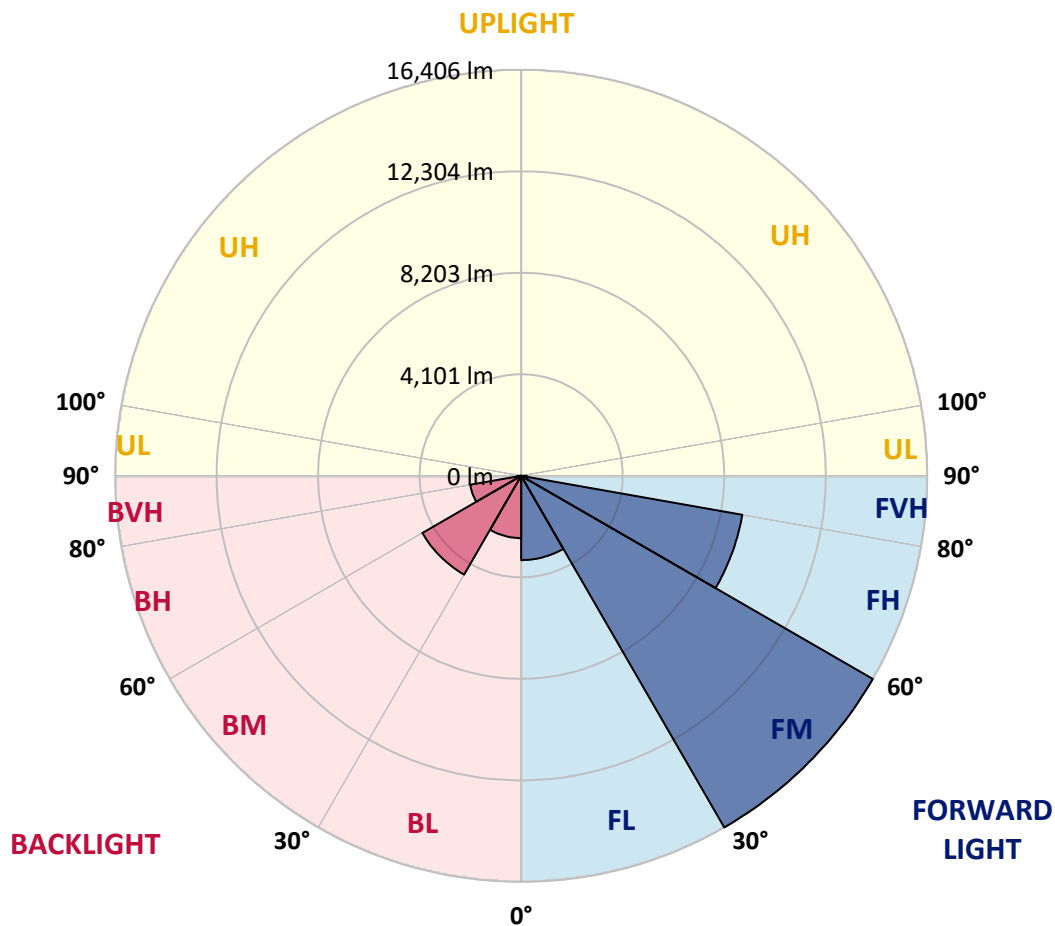
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3405.1	8.9			
FM	(30°-60°)	16405.7	42.6			
FH	(60°-80°)	9072.5	23.6			G4/12000
FVH	(80°-90°)	218.9	0.6			G2/225
BL	(0°-30°)	2518.1	6.5	B4/5000		
BM	(30°-60°)	4612.2	12.0	B3/5000		
BH	(60°-80°)	2091.4	5.4	B3/2500		G3/2500
BVH	(80°-90°)	147.0	0.4			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7
2.5°	6286.9	6277.0	6296.8	6326.5	6341.3	6316.6	6306.7	6301.7	6301.7	6286.9	6311.6
5°	5989.9	5984.9	6029.5	6083.9	6187.9	6262.1	6361.1	6420.5	6400.7	6371.0	6390.8
7.5°	5603.7	5593.8	5648.3	5752.2	5895.8	6059.2	6301.7	6489.8	6564.1	6554.2	6549.2
10°	5752.2	5742.3	5737.4	5707.7	5757.2	5915.6	6168.1	6499.7	6752.2	6757.2	6762.1
12.5°	6267.1	6291.8	6267.1	6173.0	6064.1	6004.7	6153.2	6524.5	6910.6	6940.3	7064.1
15°	6970.0	6945.3	6895.8	6786.9	6618.5	6440.3	6331.4	6638.3	7138.3	7163.1	7435.3
17.5°	7588.8	7608.6	7578.9	7474.9	7276.9	7044.3	6712.6	6836.4	7380.9	7450.2	7831.4
20°	8262.0	8341.2	8301.6	8172.9	8009.6	7663.1	7247.2	7123.5	7648.2	7697.7	8242.2
22.5°	9039.2	9123.4	9049.1	8925.4	8791.7	8366.0	7831.4	7474.9	7871.0	7974.9	8638.3
25°	9969.9	10049.1	9979.8	9786.7	9618.4	9098.6	8460.1	7871.0	8088.8	8202.6	8960.0
27.5°	10707.5	10766.9	10831.2	10717.4	10460.0	9920.4	9113.5	8281.8	8306.6	8425.4	9257.1
30°	11365.9	11514.4	11568.8	11583.7	11365.9	10761.9	9781.8	8707.6	8494.7	8618.5	9554.1
32.5°	12266.8	12489.6	12400.5	12489.6	12360.9	11554.0	10474.8	9148.1	8737.3	8851.1	9836.2
35°	13583.6	13761.8	13529.2	13459.9	13251.9	12355.9	11143.1	9603.6	9059.0	9182.8	10103.6
37.5°	14999.4	15202.4	14865.7	14588.5	14192.5	13148.0	11717.3	10202.6	9504.6	9603.6	10351.1
40°	16237.0	16405.3	16113.2	15746.9	15083.5	13846.0	12212.4	10623.3	9950.1	10073.9	10638.2
42.5°	17380.5	17489.4	17162.7	16811.2	15925.1	14474.7	12747.0	11068.9	10469.9	10588.7	10870.8
45°	18538.9	18623.0	18167.6	17667.6	16628.0	15048.9	13336.1	11692.6	11232.2	11390.6	11247.1
47.5°	18746.8	18771.5	18692.3	18355.7	17182.5	15598.4	14063.8	12529.2	12395.5	12568.8	11895.6
50°	17306.2	17529.0	18019.1	18350.7	17405.2	16058.8	14791.5	13727.2	13999.4	14222.2	13242.0
52.5°	14509.3	14722.2	15855.8	17113.2	16870.6	16162.7	15573.6	15246.9	16261.7	16529.0	15073.6
55°	11558.9	11747.1	12945.0	14756.8	15143.0	15687.5	16410.2	17187.4	19147.7	19326.0	17083.5
57.5°	9519.4	9623.4	10479.8	12222.3	12841.1	14167.7	16860.7	19494.3	22083.3	22355.5	18830.9
60°	7806.6	7920.5	8559.1	9994.6	10816.4	11994.6	16504.3	21771.4	25588.1	25588.1	21073.4
62.5°	5876.0	5975.0	6569.0	7692.8	9073.9	10153.1	15365.7	23281.2	28231.5	28112.7	22697.1
65°	4034.5	4113.7	4544.4	5291.9	6534.4	8653.1	13811.3	23301.0	29983.9	29825.5	23390.1
66°	3386.0	3455.3	3821.6	4425.6	5470.1	7851.2	13261.8	22880.3	30350.3	30127.5	23098.1
67.5°	2673.2	2722.7	2965.2	3321.6	4009.7	6356.2	12395.5	21687.2	30315.6	30181.9	22355.5
70°	1910.8	1945.5	2123.7	2197.9	2371.2	3678.1	9846.1	18994.3	27885.0	27924.6	19434.9
72.5°	1480.1	1534.6	1643.5	1658.3	1618.7	1955.4	5975.0	15845.9	22811.0	22796.1	14425.2
75°	1193.0	1222.7	1277.2	1306.9	1297.0	1262.3	2529.6	11821.3	15702.3	15885.5	8078.9
77.5°	940.6	935.6	985.1	1024.7	1054.4	990.1	1158.4	6930.4	8232.3	7999.7	3034.5
80°	693.0	693.0	762.3	777.2	821.7	831.6	772.2	2673.2	2826.6	2569.2	787.1
82.5°	455.4	455.4	529.7	539.6	584.1	648.5	559.4	801.9	782.1	742.5	356.4
85°	247.5	237.6	262.4	297.0	321.8	381.2	336.6	401.0	410.9	405.9	237.6
87.5°	49.5	44.6	69.3	79.2	89.1	118.8	108.9	163.4	227.7	222.8	104.0
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°	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7	6306.7
2.5°	6346.3	6341.3	6395.8	6460.1	6534.4	6578.9	6598.7	6633.4	6608.6	6618.5	6648.2
5°	6440.3	6455.2	6534.4	6618.5	6653.2	6628.4	6574.0	6554.2	6509.6	6499.7	6489.8
7.5°	6578.9	6603.7	6682.9	6702.7	6598.7	6425.5	6301.7	6232.4	6158.2	6138.4	6128.5
10°	6806.7	6821.5	6841.3	6638.3	6380.9	6148.3	5994.8	5930.5	5881.0	5841.3	5851.2
12.5°	7093.8	7083.9	6930.4	6509.6	6143.3	5905.7	5801.7	5762.1	5727.5	5702.7	5697.8
15°	7455.1	7385.8	6945.3	6331.4	5920.6	5722.5	5648.3	5633.4	5593.8	5593.8	5588.9
17.5°	7821.5	7643.3	6935.4	6143.3	5707.7	5598.8	5554.2	5544.3	5534.4	5529.5	5544.3
20°	8187.8	7871.0	6856.2	5910.7	5559.2	5494.8	5484.9	5489.9	5480.0	5494.8	5484.9
22.5°	8509.6	8019.5	6707.6	5663.1	5455.2	5450.3	5425.5	5435.4	5470.1	5475.0	5489.9
25°	8757.1	8073.9	6489.8	5435.4	5381.0	5371.1	5400.8	5440.4	5470.1	5475.0	5499.8
27.5°	8960.0	8044.2	6217.6	5257.2	5252.3	5306.7	5395.8	5410.7	5415.6	5415.6	5395.8
30°	9113.5	7979.9	5871.0	5059.2	5084.0	5217.6	5301.8	5301.8	5262.2	5252.3	5282.0
32.5°	9148.1	7895.7	5494.8	4856.2	4895.8	5054.3	5158.2	5123.6	5079.0	5079.0	5098.8
35°	9177.8	7781.9	5192.9	4579.0	4638.4	4826.5	4925.5	4856.2	4806.7	4791.9	4786.9
37.5°	9167.9	7737.3	4920.6	4227.6	4306.8	4489.9	4554.3	4489.9	4415.7	4381.0	4425.6
40°	9177.8	7707.6	4579.0	3841.4	3920.6	4029.5	4113.7	4064.2	3994.9	3905.8	3950.3
42.5°	9237.3	7747.2	4202.8	3465.2	3465.2	3524.6	3668.2	3633.5	3465.2	3430.6	3470.2
45°	9554.1	7960.1	3826.6	3089.0	3034.5	3074.1	3222.6	3074.1	2970.2	2970.2	3004.8
47.5°	10321.4	8356.1	3494.9	2757.3	2628.6	2707.8	2747.4	2608.8	2529.6	2509.8	2544.5
50°	11885.7	9148.1	3296.9	2485.0	2326.6	2386.0	2361.3	2356.3	2277.1	2287.0	2306.8
52.5°	14261.8	10692.6	3237.5	2351.4	2153.4	2168.2	2143.5	2153.4	2138.5	2188.0	2202.9
55°	16850.8	12321.3	3311.7	2371.2	2034.6	1930.6	1940.5	1990.0	2049.4	2128.6	2143.5
57.5°	18786.4	13138.1	3504.8	2504.8	1886.1	1727.7	1752.4	1846.5	1960.3	2024.7	2059.3
60°	20226.9	13039.1	3787.0	2539.5	1707.9	1544.5	1589.0	1727.7	1826.7	1881.1	1915.8
62.5°	20697.2	12420.3	3856.3	2287.0	1475.2	1371.2	1480.1	1623.7	1668.2	1727.7	1752.4
65°	20311.1	11544.1	3351.3	1856.4	1297.0	1242.5	1400.9	1509.8	1569.2	1598.9	1603.9
66°	19855.6	11019.4	3079.1	1688.1	1232.6	1202.9	1371.2	1460.3	1519.7	1514.8	1519.7
67.5°	18855.7	9920.4	2638.5	1450.4	1138.6	1143.5	1321.7	1381.1	1400.9	1386.1	1386.1
70°	15454.8	6984.9	1891.0	1099.0	1000.0	1069.3	1188.1	1202.9	1247.5	1227.7	1227.7
72.5°	9529.3	3430.6	1267.3	841.6	891.1	1000.0	995.0	1044.5	1148.5	1178.2	1198.0
75°	4683.0	1391.0	836.6	712.8	797.0	836.6	826.7	950.5	1099.0	1227.7	1272.2
77.5°	1777.2	693.0	584.1	623.7	643.5	628.7	658.4	861.4	1099.0	1331.6	1376.2
80°	549.5	480.2	460.4	514.8	485.1	460.4	495.0	712.8	930.7	1009.9	1009.9
82.5°	331.7	376.2	356.4	351.5	326.7	331.7	356.4	509.9	717.8	752.4	752.4
85°	232.7	247.5	203.0	193.1	188.1	183.2	183.2	297.0	425.7	420.8	435.6
87.5°	89.1	99.0	74.3	74.3	69.3	49.5	39.6	49.5	49.5	34.7	24.8
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)