

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: P1211402

Luminaire Tested: **ARCH4-260-750-U-T3RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1211402
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: ARCH4-260-750-U-T3RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 5000K, 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: 27283 lumens
Efficiency: N/A
Efficacy: 105.3 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

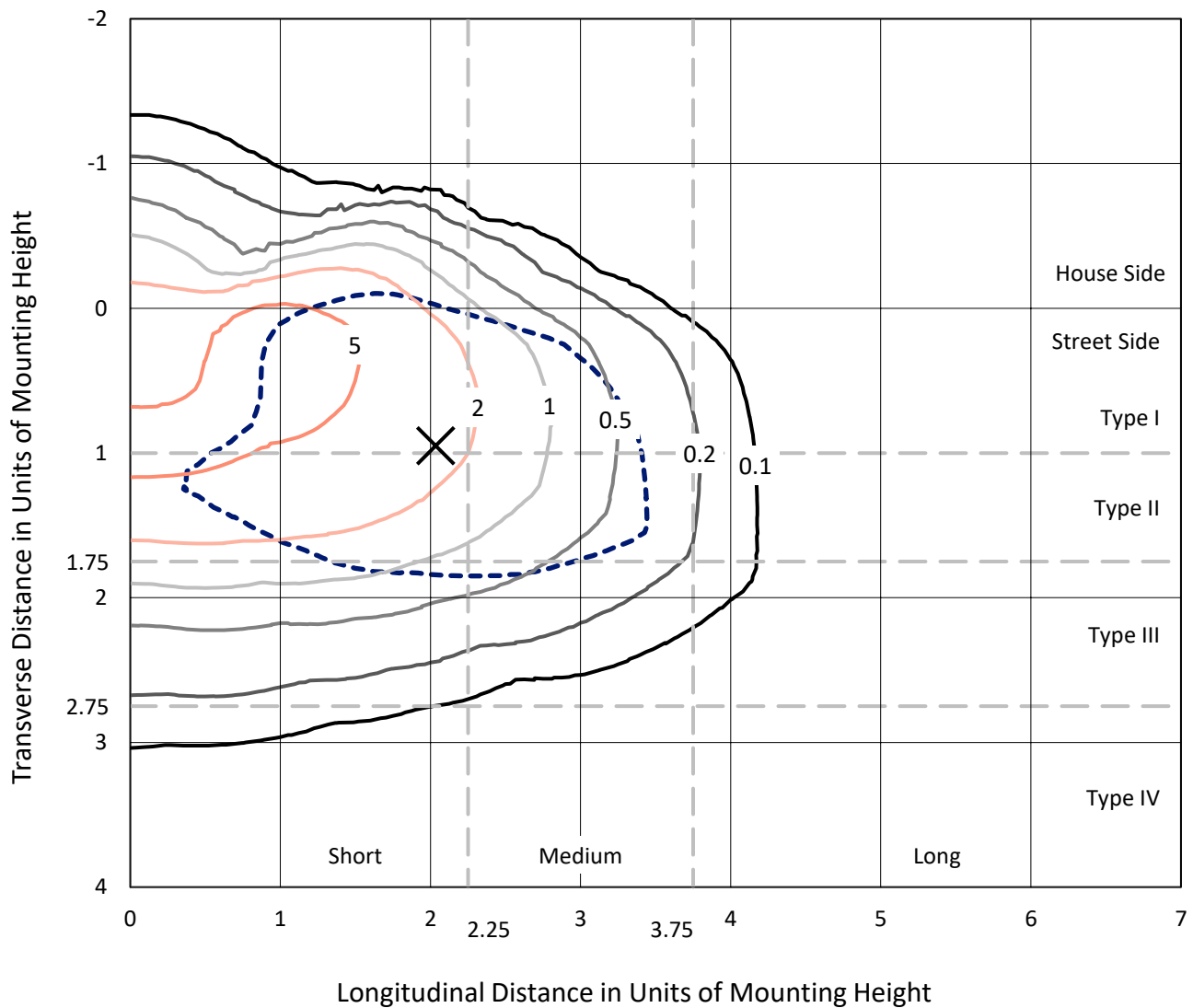


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd

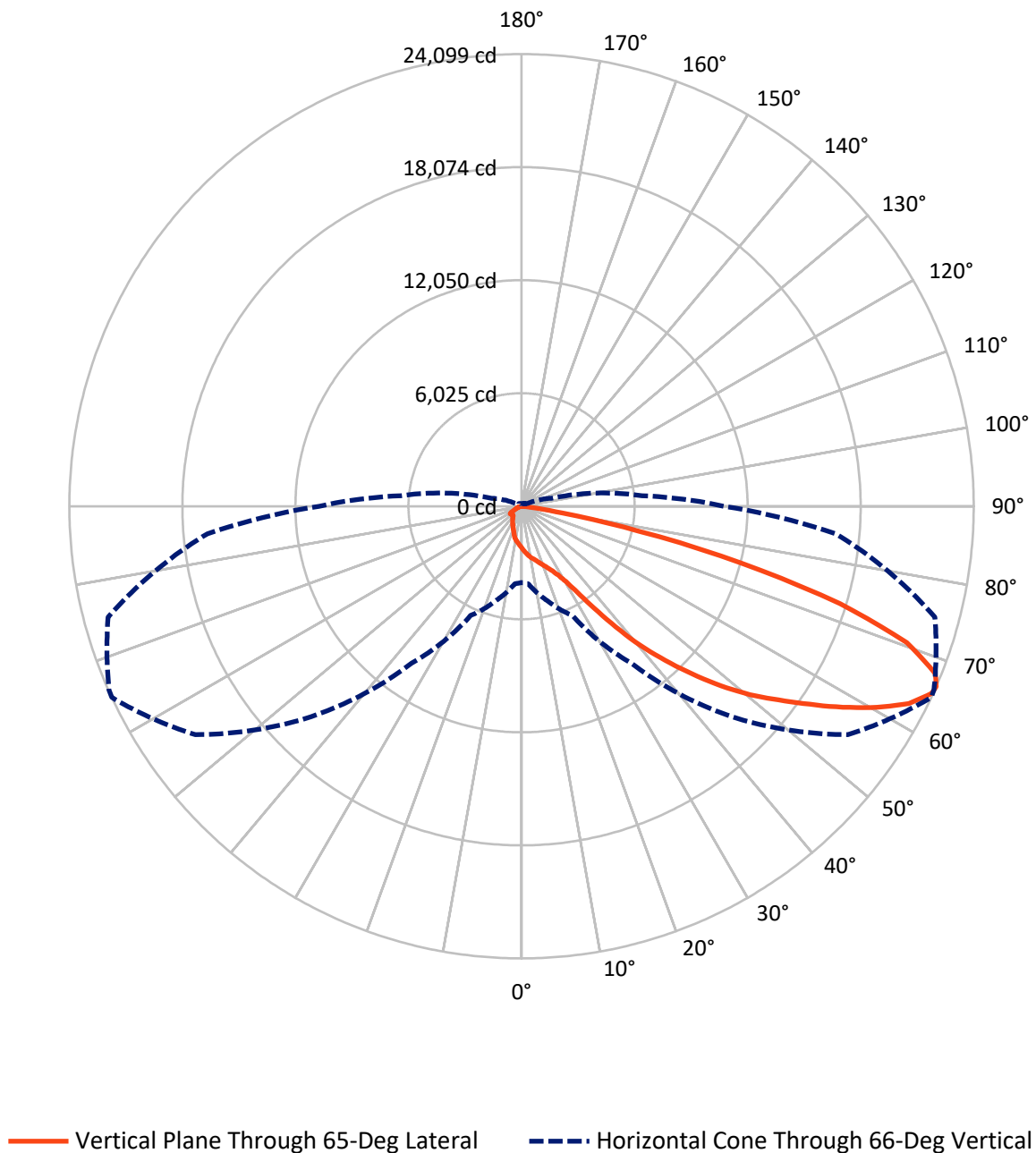


Based on 25 foot mounting height. Maximum calculated value = 7.5 fc
Type III - Short - N/A

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Luminous Intensity Polar Plot



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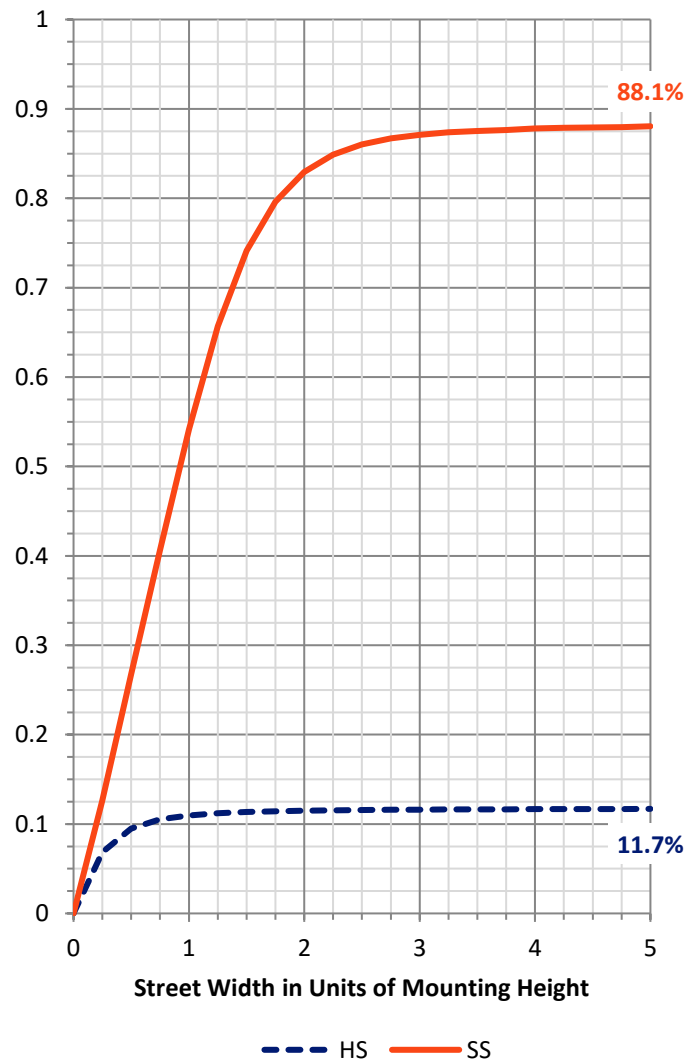
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3220.0	0.0	3220.0
	% Fixture	11.8	0.0	11.8
Street Side	Lumens	24063.0	0.0	24063.0
	% Fixture	88.2	0.0	88.2
Total	Lumens	27283.0	0.0	27283.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	210.7	0.8
10°-20°	623.8	2.3
20°-30°	1141.8	4.2
30°-40°	2320.0	8.5
40°-50°	4899.3	18.0
50°-60°	7531.8	27.6
60°-70°	7581.3	27.8
70°-80°	2832.8	10.4
80°-90°	141.5	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°	27283.0	100.0
0°-180°	27283.0	100.0

Coefficient of Utilization



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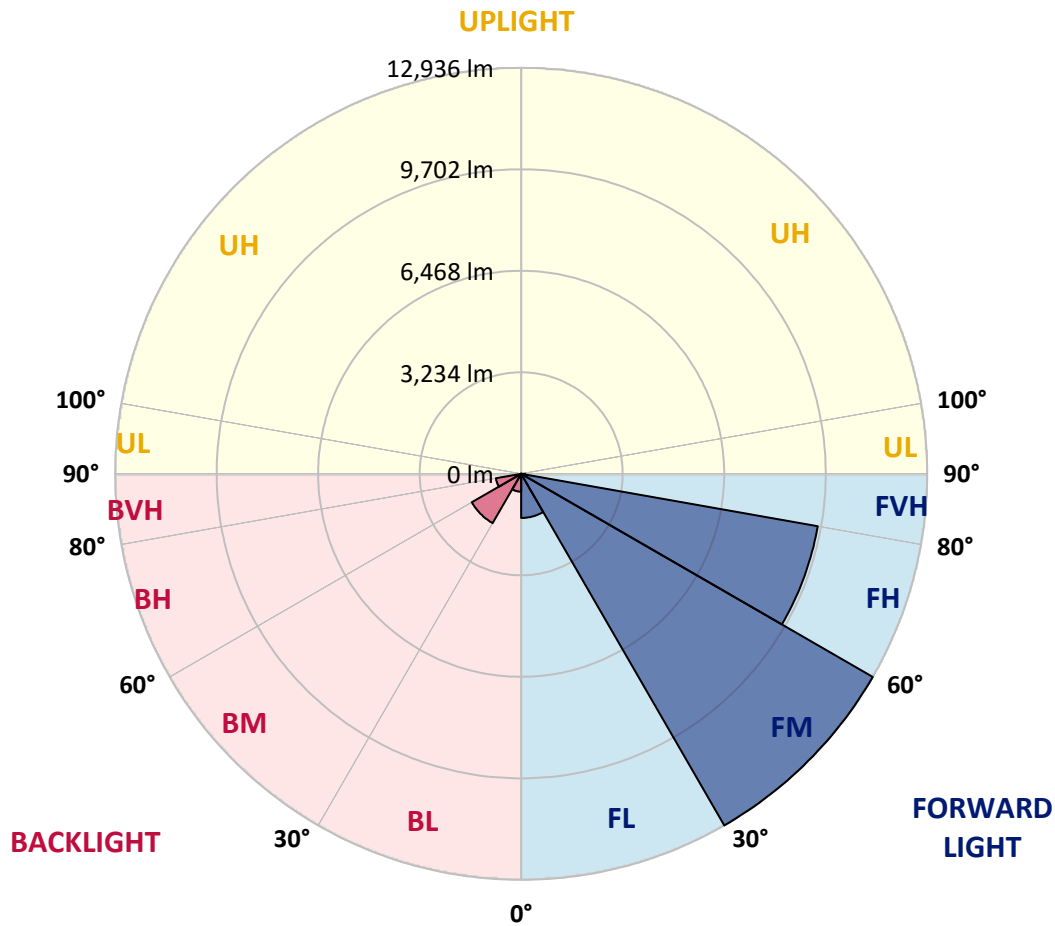
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1406.4	5.2			
FM	(30°-60°)	12935.7	47.4			
FH	(60°-80°)	9596.1	35.2			G4/12000
FVH	(80°-90°)	124.9	0.5			G2/225
BL	(0°-30°)	569.9	2.1	B2/1000		
BM	(30°-60°)	1815.4	6.7	B2/2500		
BH	(60°-80°)	818.0	3.0	B2/1000		G2/1000
BVH	(80°-90°)	16.7	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°	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8
2.5°	2534.7	2539.6	2529.7	2509.9	2490.1	2465.4	2425.8	2361.4	2351.5	2307.0	2257.5
5°	2708.0	2717.9	2703.0	2698.0	2688.1	2653.5	2599.0	2505.0	2495.1	2406.0	2292.1
7.5°	2767.4	2782.2	2772.3	2772.3	2772.3	2757.5	2732.7	2648.5	2633.7	2519.8	2346.6
10°	2811.9	2821.8	2816.9	2836.7	2851.5	2841.6	2826.8	2777.3	2762.4	2648.5	2420.8
12.5°	2881.2	2886.2	2891.1	2901.0	2925.8	2935.7	2930.7	2886.2	2876.3	2797.1	2514.9
15°	2945.6	2945.6	2950.5	2995.1	3029.7	3049.5	3054.5	3019.8	3009.9	2945.6	2633.7
17.5°	3005.0	3009.9	3024.8	3074.3	3133.7	3173.3	3198.1	3183.2	3168.4	3118.8	2772.3
20°	3094.1	3104.0	3118.8	3188.2	3247.6	3311.9	3361.4	3356.5	3351.5	3316.9	2935.7
22.5°	3247.6	3257.5	3282.2	3346.6	3406.0	3485.2	3569.3	3564.4	3549.5	3524.8	3128.7
25°	3480.2	3480.2	3495.1	3549.5	3623.8	3717.9	3797.1	3811.9	3797.1	3782.2	3371.3
27.5°	3772.3	3777.3	3777.3	3836.7	3906.0	4024.8	4123.8	4138.7	4138.7	4123.8	3698.1
30°	4178.3	4163.4	4153.5	4203.0	4277.3	4450.5	4623.8	4653.5	4638.7	4663.4	4158.5
32.5°	4876.3	4851.5	4767.4	4777.3	4821.8	5059.5	5351.5	5455.5	5450.6	5495.1	4901.0
35°	5841.6	5792.1	5668.4	5564.4	5559.5	5816.9	6262.4	6653.5	6648.6	6802.1	6029.8
37.5°	6930.8	6995.1	6762.5	6584.2	6529.8	6732.7	7307.0	8153.6	8198.1	8465.4	7510.0
40°	8386.2	8425.8	8128.8	7876.3	7618.9	7693.2	8450.6	9767.4	9846.6	10143.7	8990.2
42.5°	9653.6	9693.2	9519.9	9213.0	8886.2	8747.6	9604.1	11232.8	11297.2	11708.1	10515.0
45°	10515.0	10544.7	10604.1	10633.8	10262.5	9975.4	11015.0	12737.8	12817.0	13292.2	12005.1
47.5°	11188.2	11213.0	11331.8	11628.8	11554.6	11326.9	12450.6	14302.1	14321.9	14851.6	13455.6
50°	11500.1	11559.5	11851.6	12307.1	12633.8	12698.2	14010.1	15782.4	15836.8	16341.8	14826.9
52.5°	11153.6	11173.4	11911.0	12767.5	13425.9	14079.4	15574.4	17153.7	17312.1	17688.3	16059.6
55°	9985.3	10128.8	11247.6	12752.6	14049.7	15391.3	17247.7	18633.9	18777.4	19015.1	17143.8
57.5°	8628.8	8787.2	10148.6	12114.0	14317.0	16604.1	18797.2	20208.1	20307.2	20371.5	18138.8
60°	7455.5	7604.0	9005.1	10891.2	14049.7	17460.6	20237.8	21772.5	21856.7	21683.4	18638.8
62.5°	6014.9	6163.4	7574.3	9272.4	13000.1	17633.9	21307.2	23163.6	23198.3	22728.0	18331.9
65°	4534.7	4633.7	5811.9	7267.4	11163.5	16713.1	21549.7	24030.0	23995.3	23030.0	17411.1
66°	4064.4	4148.6	5188.2	6425.8	10208.0	15871.5	21223.0	24099.3	24064.6	22807.2	16807.1
67.5°	3505.0	3529.7	4386.2	5257.5	8539.7	14084.3	20227.9	23782.4	23812.1	22193.3	15703.1
70°	2737.7	2732.7	3227.8	3658.5	5831.7	10019.9	16871.5	21787.4	21930.9	19876.5	13391.2
72.5°	1752.5	1693.1	1980.2	2237.6	3396.1	5816.9	12302.1	17757.6	18000.2	15614.0	9975.4
75°	1044.6	985.2	1054.5	1118.8	1628.7	2797.1	7232.8	12084.3	12317.0	10010.0	5935.7
77.5°	782.2	757.4	762.4	707.9	722.8	1049.5	3302.0	6386.2	6554.5	4099.1	2252.5
80°	599.0	534.7	500.0	524.8	475.3	415.8	1227.7	2198.0	2302.0	970.3	470.3
82.5°	401.0	346.5	321.8	351.5	302.0	232.7	297.0	425.7	415.8	262.4	183.2
85°	207.9	178.2	178.2	178.2	153.5	113.9	128.7	173.3	173.3	138.6	108.9
87.5°	59.4	54.5	64.4	59.4	44.6	44.6	49.5	59.4	59.4	54.5	49.5
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°	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8	2222.8
2.5°	2217.8	2198.0	2143.6	2104.0	2064.4	2029.7	1990.1	1980.2	1960.4	1965.4	1955.5
5°	2232.7	2178.2	2084.2	1995.1	1925.8	1866.4	1792.1	1762.4	1722.8	1707.9	1698.0
7.5°	2252.5	2173.3	2034.7	1910.9	1792.1	1673.3	1554.5	1485.2	1440.6	1420.8	1406.0
10°	2297.1	2193.1	2009.9	1816.9	1613.9	1445.6	1326.7	1277.2	1247.5	1242.6	1237.6
12.5°	2356.5	2222.8	1985.2	1698.0	1430.7	1272.3	1198.0	1183.2	1178.2	1178.2	1173.3
15°	2445.6	2272.3	1945.6	1559.4	1287.1	1178.2	1143.6	1118.8	1108.9	1108.9	1108.9
17.5°	2534.7	2331.7	1886.2	1415.9	1188.1	1118.8	1084.2	1069.3	1059.4	1064.4	1059.4
20°	2648.5	2401.0	1807.0	1292.1	1123.8	1069.3	1034.7	1019.8	1014.9	1014.9	1014.9
22.5°	2777.3	2480.2	1707.9	1198.0	1069.3	1019.8	985.2	970.3	960.4	965.4	965.4
25°	2950.5	2579.2	1604.0	1104.0	1014.9	970.3	930.7	910.9	910.9	915.9	920.8
27.5°	3173.3	2698.0	1500.0	1044.6	965.4	920.8	876.2	856.4	861.4	871.3	871.3
30°	3500.0	2861.4	1396.1	980.2	910.9	861.4	821.8	802.0	811.9	831.7	831.7
32.5°	3965.4	3128.7	1306.9	906.0	831.7	777.2	737.6	722.8	747.5	787.1	787.1
35°	4797.1	3618.9	1252.5	831.7	747.5	683.2	633.7	618.8	653.5	703.0	703.0
37.5°	5911.0	4406.0	1272.3	767.3	678.2	604.0	549.5	529.7	554.5	599.0	613.9
40°	7153.5	5356.5	1445.6	712.9	613.9	539.6	485.2	465.4	480.2	500.0	505.0
42.5°	8396.1	6366.4	1772.3	673.3	564.4	485.2	435.6	420.8	430.7	435.6	440.6
45°	9633.8	7366.4	2183.2	648.5	519.8	440.6	391.1	391.1	396.0	396.0	396.0
47.5°	10807.1	8341.7	2613.9	643.6	480.2	396.0	356.4	361.4	361.4	366.3	366.3
50°	11916.0	9213.0	3049.5	658.4	445.5	356.4	326.7	326.7	326.7	331.7	326.7
52.5°	12841.7	9975.4	3505.0	683.2	410.9	326.7	297.0	297.0	297.0	302.0	297.0
55°	13718.0	10668.4	3970.3	717.8	381.2	302.0	272.3	262.4	262.4	267.3	262.4
57.5°	14430.9	11128.8	4410.9	722.8	356.4	277.2	252.5	237.6	237.6	237.6	237.6
60°	14460.6	10861.5	4539.7	633.7	326.7	252.5	227.7	207.9	212.9	212.9	212.9
62.5°	13515.0	9455.6	3648.6	475.3	292.1	227.7	207.9	188.1	188.1	188.1	188.1
65°	11658.5	7356.5	2138.6	376.2	252.5	203.0	183.2	168.3	168.3	168.3	163.4
66°	10787.2	6450.6	1638.6	341.6	237.6	198.0	178.2	163.4	158.4	153.5	153.5
67.5°	9366.4	5099.1	1024.8	302.0	217.8	183.2	163.4	148.5	143.6	138.6	138.6
70°	7054.5	3237.7	500.0	232.7	188.1	158.4	143.6	128.7	123.8	118.8	113.9
72.5°	4950.5	1896.1	262.4	178.2	153.5	138.6	123.8	108.9	104.0	99.0	99.0
75°	2797.1	915.9	173.3	128.7	123.8	113.9	104.0	89.1	84.2	84.2	84.2
77.5°	1059.4	316.8	118.8	94.1	99.0	89.1	74.3	74.3	69.3	74.3	69.3
80°	277.2	138.6	74.3	69.3	74.3	64.4	54.5	59.4	59.4	59.4	59.4
82.5°	148.5	79.2	44.6	49.5	44.6	44.6	34.7	39.6	44.6	39.6	44.6
85°	104.0	39.6	24.8	24.8	19.8	19.8	14.9	19.8	24.8	19.8	19.8
87.5°	54.5	14.9	14.9	14.9	14.9	9.9	5.0	0.0	5.0	5.0	5.0
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)