

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: McGRAW-EDISON

Report Number: P953810

Luminaire Tested: **GALN-SB7B-730-U-T2R-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953810
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-4)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB7B-730-U-T2R-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II
ROADWAY OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33906 lumens
Efficiency: N/A
Efficacy: 132.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B2 - U0 - G4

Input Watts (W): 256.7
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

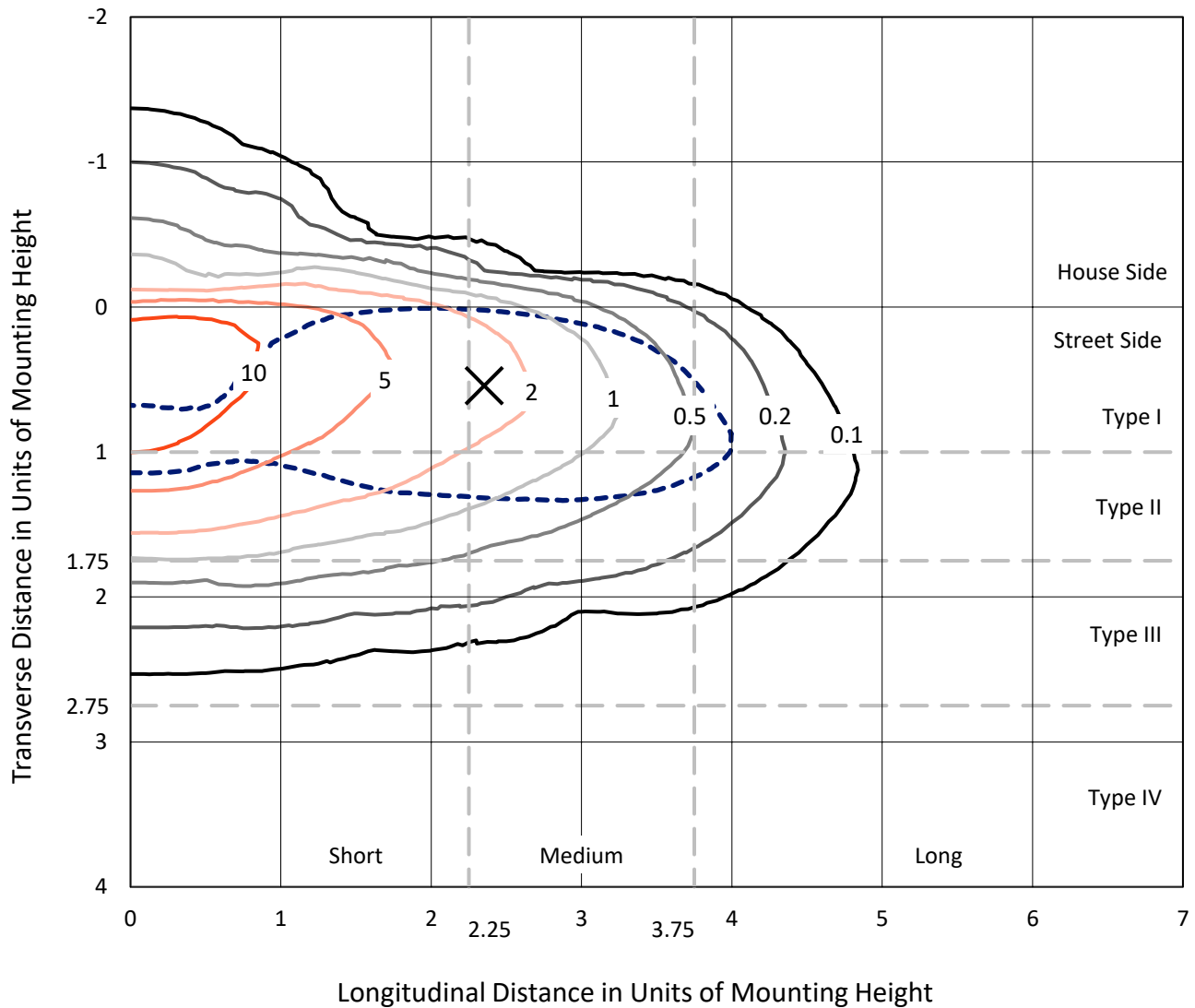


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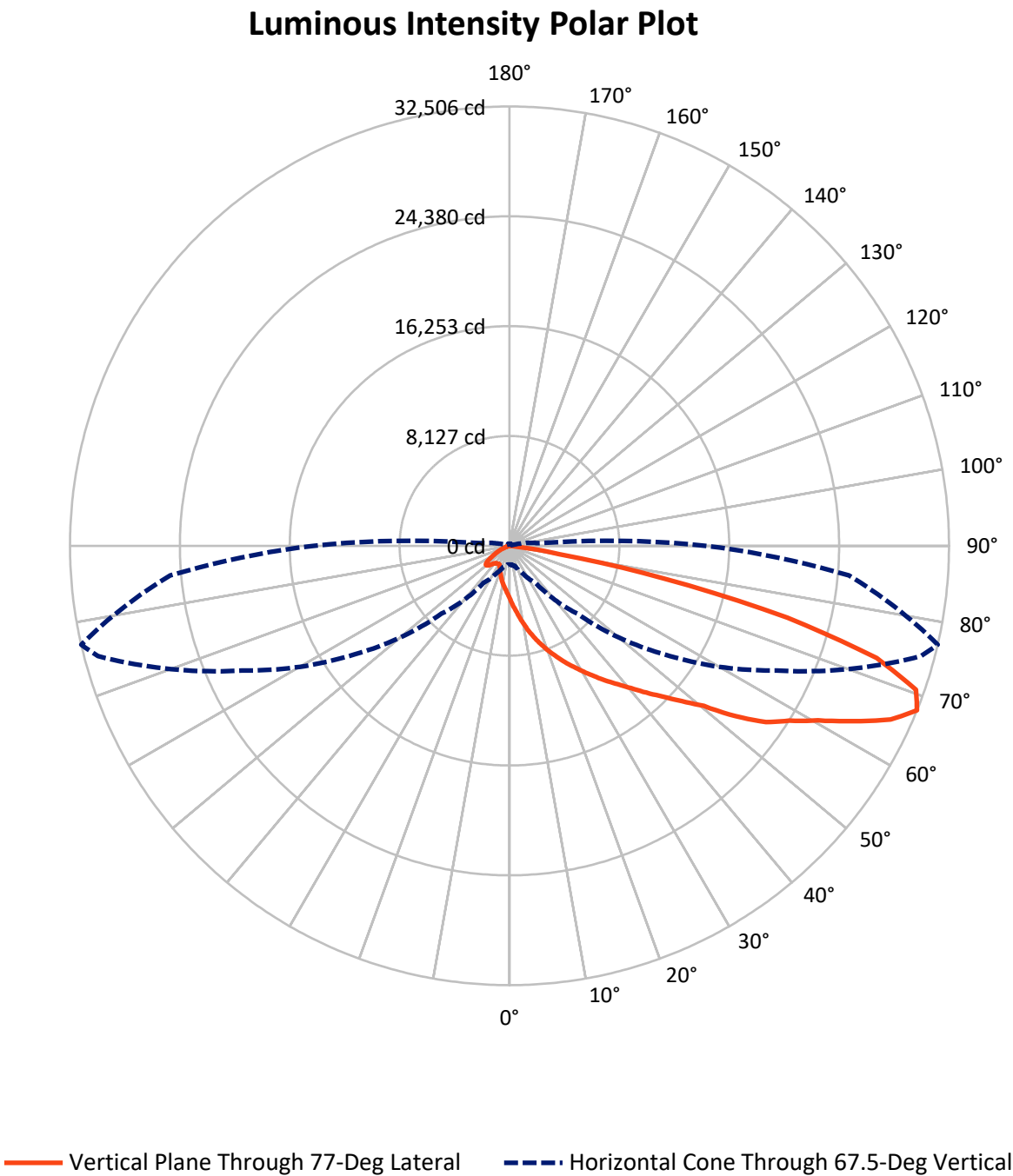
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.6 fc
Type II - Medium - N/A

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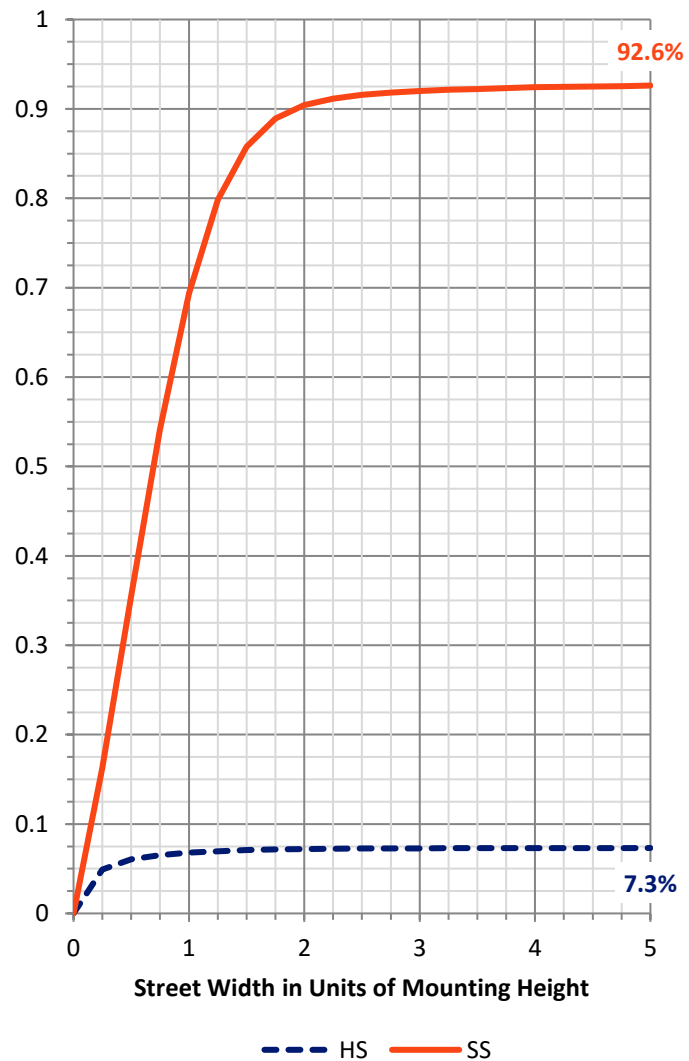
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2494.5	0.0	2494.5
	% Fixture	7.4	0.0	7.4
Street Side	Lumens	31411.5	0.0	31411.5
	% Fixture	92.6	0.0	92.6
Total	Lumens	33906.0	0.0	33906.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	399.1	1.2
10°-20°	1397.5	4.1
20°-30°	2696.8	8.0
30°-40°	4681.7	13.8
40°-50°	6797.6	20.0
50°-60°	7806.2	23.0
60°-70°	6777.2	20.0
70°-80°	3192.1	9.4
80°-90°	157.9	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°	33906.0	100.0
0°-180°	33906.0	100.0

Coefficient of Utilization



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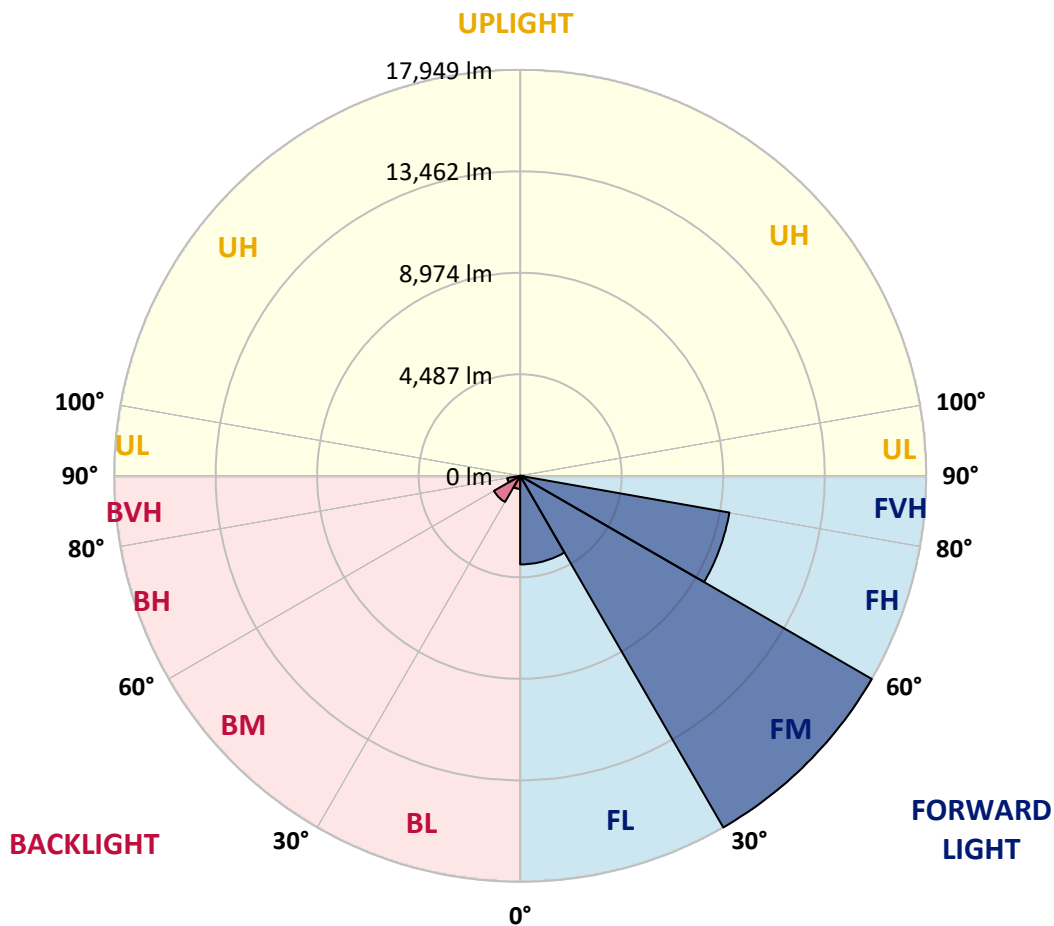
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3915.8	11.5			
FM	(30°-60°)	17948.9	52.9			
FH	(60°-80°)	9391.9	27.7			G4/12000
FVH	(80°-90°)	155.0	0.5			G2/225
BL	(0°-30°)	577.5	1.7	B2/1000		
BM	(30°-60°)	1336.6	3.9	B2/2500		
BH	(60°-80°)	577.5	1.7	B2/1000		G2/1000
BVH	(80°-90°)	2.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°	85°
0°	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9
2.5°	5413.2	5446.9	5398.4	5305.8	5166.8	5076.3	4855.2	4646.8	4415.2	4341.5	4109.9
5°	6598.5	6628.0	6573.3	6472.2	6286.9	6110.1	5819.5	5383.7	4931.0	4785.7	4375.2
7.5°	7476.5	7493.4	7472.3	7379.7	7202.8	7002.8	6678.6	6162.7	5491.1	5331.1	4701.5
10°	8108.2	8162.9	8156.6	8120.8	8002.9	7840.8	7495.5	6908.1	6118.5	5912.2	5070.0
12.5°	8527.2	8588.2	8624.0	8704.0	8697.7	8594.5	8291.3	7670.2	6743.8	6501.7	5484.8
15°	8649.3	8714.5	8851.4	9036.7	9200.9	9253.5	9040.9	8417.7	7432.3	7122.8	5910.1
17.5°	8579.8	8680.9	8845.1	9137.7	9497.8	9735.7	9712.5	9139.9	8057.6	7703.9	6326.9
20°	8733.5	8830.3	8958.8	9205.1	9624.1	10055.7	10228.4	9830.4	8678.8	8308.2	6764.9
22.5°	9584.1	9567.3	9579.9	9619.9	9870.4	10297.9	10653.7	10457.9	9293.6	8914.6	7228.1
25°	10931.6	10855.8	10727.4	10510.5	10447.3	10653.7	11024.2	11013.7	9942.0	9535.7	7701.8
27.5°	12477.0	12464.4	12163.3	11641.2	11346.4	11266.4	11443.2	11554.8	10584.2	10150.5	8177.7
30°	13957.2	13990.9	13584.5	13003.4	12462.3	12148.6	11988.6	12068.6	11236.9	10813.7	8668.2
32.5°	15245.7	15281.5	14839.4	14159.3	13489.8	13110.8	12773.9	12576.0	11948.5	11487.5	9207.2
35°	16334.2	16370.0	15862.6	15111.0	14397.2	14054.0	13672.9	13131.8	12664.4	12234.9	9807.3
37.5°	17307.0	17296.4	16616.4	15858.4	15157.3	14885.7	14685.7	13816.1	13401.3	12986.5	10472.6
40°	17881.8	17926.0	17344.9	16509.0	15828.9	15631.0	15618.4	14664.6	14251.9	13849.8	11201.1
42.5°	18050.2	18128.1	17707.0	17020.6	16403.7	16189.0	16519.5	15582.6	15241.5	14849.9	12024.3
45°	17747.0	17822.8	17631.2	17155.4	16795.3	16656.4	17294.3	16534.3	16298.5	15911.0	12952.9
47.5°	16862.7	16957.5	17003.8	16902.7	16898.5	17039.6	17989.1	17536.5	17553.3	17157.5	14028.8
50°	15151.0	15311.0	15736.3	16094.2	16648.0	17342.8	18665.0	18622.9	18968.2	18627.1	15431.0
52.5°	12039.1	12266.5	13731.9	14710.9	15955.3	17285.9	19408.2	20366.2	21450.5	20951.5	17408.0
55°	9674.6	9674.6	10866.3	12698.1	14603.5	16911.1	19732.5	21499.0	23141.2	23023.3	18799.8
57.5°	7887.1	7981.8	8741.9	10361.0	12647.6	16018.4	19932.5	22210.6	24503.5	24417.2	20159.9
60°	4867.8	5072.1	6508.0	8106.1	10422.1	14428.8	19806.2	22930.7	26156.3	26225.8	21797.9
62.5°	2741.3	2817.1	3457.2	5832.2	8104.0	12291.7	18839.8	23332.8	28270.2	28564.9	23486.5
65°	1892.8	1930.7	2177.1	3629.8	5617.4	9786.2	16951.1	23082.3	30388.3	30984.1	24918.3
67.5°	1374.9	1393.8	1547.5	2217.1	3333.0	7095.4	13990.9	21819.0	31510.5	32506.4	25192.0
70°	1056.9	1069.6	1181.2	1457.0	1968.6	4379.4	10161.0	19307.2	30697.8	31887.4	23789.7
72.5°	859.0	871.7	958.0	1078.0	1305.4	2589.7	6158.5	15679.4	27110.0	28394.4	20252.5
75°	724.3	741.1	819.0	896.9	1023.3	1663.3	2888.7	10919.0	20387.3	21229.5	14083.5
77.5°	402.1	370.6	665.3	743.2	863.2	1052.7	1351.7	6425.9	11418.0	11651.7	6249.0
80°	250.6	259.0	528.5	598.0	663.2	530.6	619.0	2473.9	3958.3	3760.4	1210.6
82.5°	14.7	33.7	406.4	431.6	454.8	227.4	233.7	840.1	953.8	875.9	214.8
85°	0.0	0.0	185.3	149.5	157.9	65.3	67.4	195.8	128.4	139.0	42.1
87.5°	0.0	0.0	0.0	4.2	0.0	6.3	12.6	16.8	6.3	8.4	14.7
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°	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9	3909.9
2.5°	3962.5	3815.1	3516.1	3223.5	2985.6	2764.5	2606.6	2457.1	2381.3	2377.1	2372.9
5°	4082.5	3773.0	3175.1	2646.6	2221.3	1880.2	1659.1	1501.2	1421.2	1393.8	1389.6
7.5°	4250.9	3785.6	2876.1	2141.3	1640.2	1347.5	1221.2	1170.6	1153.8	1134.8	1130.6
10°	4463.6	3815.1	2608.7	1724.4	1292.8	1145.4	1094.8	1073.8	1061.2	1048.5	1044.3
12.5°	4701.5	3842.5	2343.4	1431.7	1137.0	1061.2	1025.4	1000.1	983.3	968.5	964.3
15°	4933.1	3859.3	2067.6	1227.5	1056.9	995.9	958.0	930.6	907.5	890.6	888.5
17.5°	5162.6	3882.5	1808.6	1105.4	991.7	930.6	892.7	859.0	840.1	821.1	819.0
20°	5417.4	3878.3	1564.4	1019.0	926.4	865.3	825.3	793.8	774.8	753.8	751.7
22.5°	5653.2	3857.2	1349.6	945.4	859.0	800.1	755.9	724.3	705.3	688.5	686.4
25°	5924.8	3840.4	1170.6	878.0	795.9	736.9	688.5	659.0	638.0	623.2	621.1
27.5°	6185.9	3815.1	1040.1	816.9	734.8	678.0	631.6	598.0	579.0	568.5	568.5
30°	6442.7	3808.8	991.7	758.0	680.1	623.2	576.9	545.3	530.6	526.4	524.3
32.5°	6752.2	3825.6	1012.7	736.9	629.5	572.7	528.5	505.3	490.6	490.6	490.6
35°	7082.8	3821.4	1044.3	755.9	595.8	522.2	488.5	473.7	459.0	459.0	459.0
37.5°	7497.6	3827.7	1069.6	787.4	583.2	480.0	461.1	442.1	433.7	433.7	433.7
40°	8116.6	4036.2	1056.9	814.8	579.0	450.6	412.7	406.4	400.0	400.0	400.0
42.5°	8874.6	4488.9	1073.8	816.9	576.9	429.5	379.0	391.6	376.9	374.8	372.7
45°	9704.1	4983.7	1181.2	772.7	574.8	419.0	362.1	376.9	353.7	353.7	353.7
47.5°	10527.4	5474.2	1290.7	709.5	568.5	416.9	347.4	339.0	332.7	334.8	334.8
50°	11662.2	5874.3	1332.8	623.2	553.7	412.7	320.0	322.1	317.9	322.1	322.1
52.5°	12898.1	5958.5	1282.2	526.4	511.6	400.0	301.1	309.5	307.4	311.6	311.6
55°	13668.7	5867.9	1059.1	437.9	446.4	349.5	282.1	299.0	299.0	299.0	299.0
57.5°	14464.6	5482.6	751.7	355.8	370.6	286.3	265.3	288.4	286.3	284.2	284.2
60°	15037.3	4859.4	494.8	292.7	294.8	235.8	246.3	271.6	269.5	259.0	259.0
62.5°	15464.7	4170.9	317.9	248.4	225.3	212.7	225.3	246.3	237.9	214.8	210.5
65°	15416.3	3217.2	244.2	212.7	185.3	185.3	195.8	214.8	189.5	151.6	147.4
67.5°	14517.2	2177.1	202.1	179.0	155.8	153.7	162.1	179.0	162.1	128.4	124.2
70°	12910.7	1423.3	162.1	139.0	124.2	113.7	130.5	153.7	136.9	103.2	99.0
72.5°	10478.9	867.5	122.1	101.1	90.5	73.7	103.2	126.3	109.5	75.8	71.6
75°	6779.6	442.1	84.2	65.3	48.4	44.2	75.8	94.7	75.8	46.3	40.0
77.5°	2593.9	185.3	46.3	29.5	25.3	21.1	42.1	56.8	31.6	10.5	8.4
80°	499.0	77.9	23.2	14.7	12.6	8.4	6.3	4.2	0.0	0.0	0.0
82.5°	86.3	25.3	8.4	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	29.5	4.2	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	10.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)