

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: P952742

Luminaire Tested: **GALN-SB6C-730-U-T2U**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952742
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-16)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB6C-730-U-T2U
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II U OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 46023 lumens
Efficiency: N/A
Efficacy: 153.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B4 - U0 - G4

Input Watts (W): 300.9
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

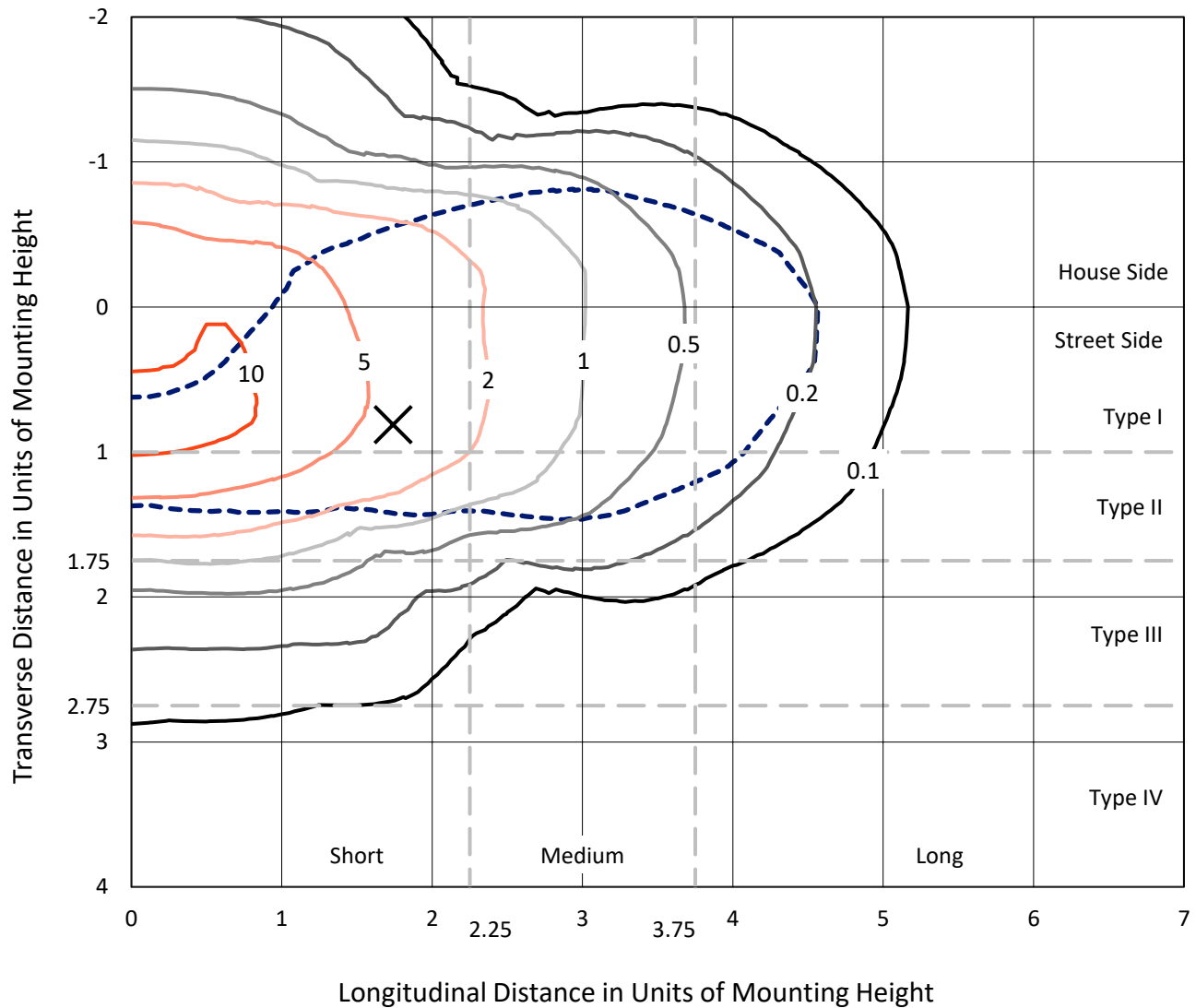


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Iso-Footcandle Lines of Horizontal Illumination

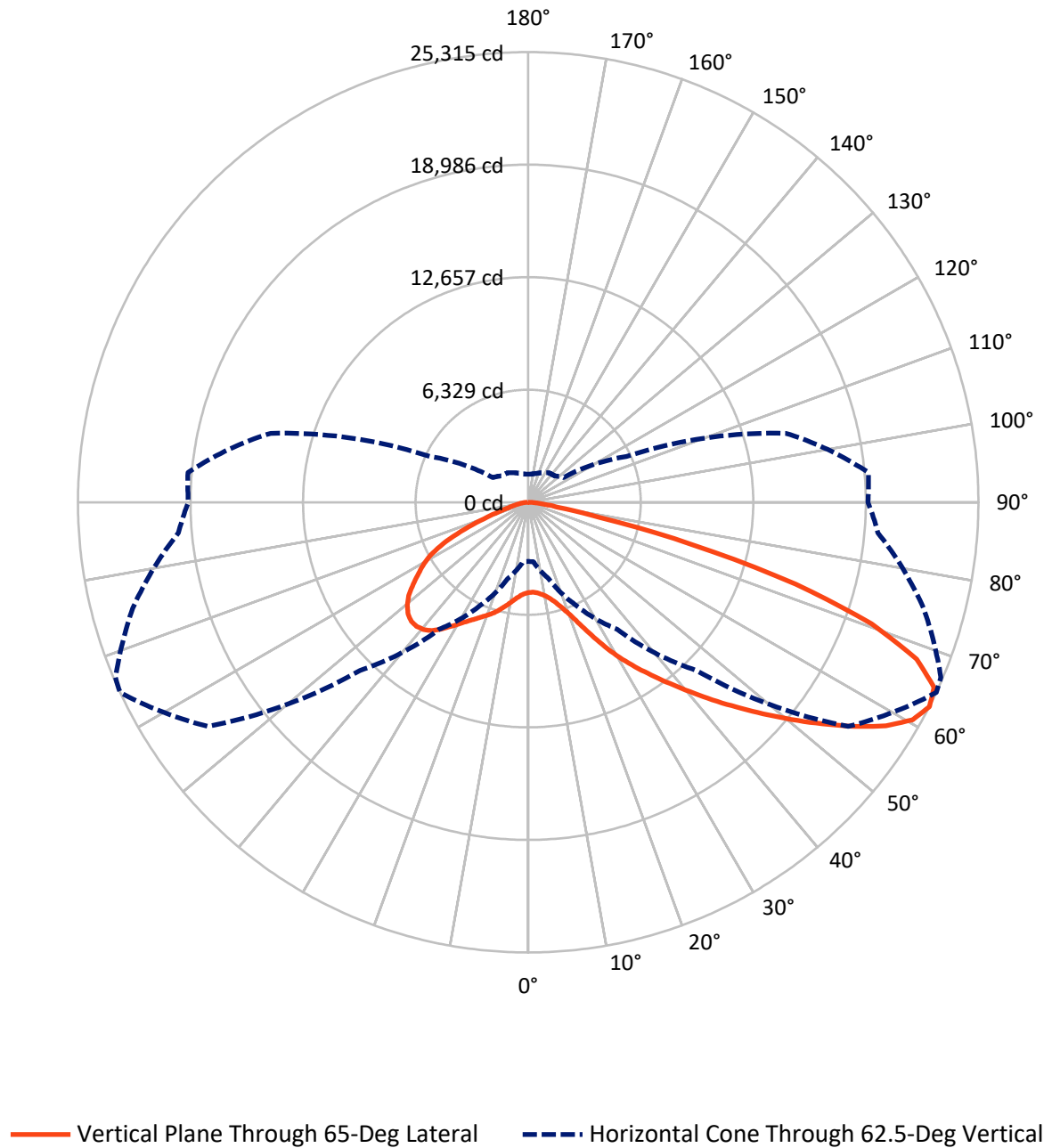
× Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.9 fc
Type II - Short - N/A

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Luminous Intensity Polar Plot



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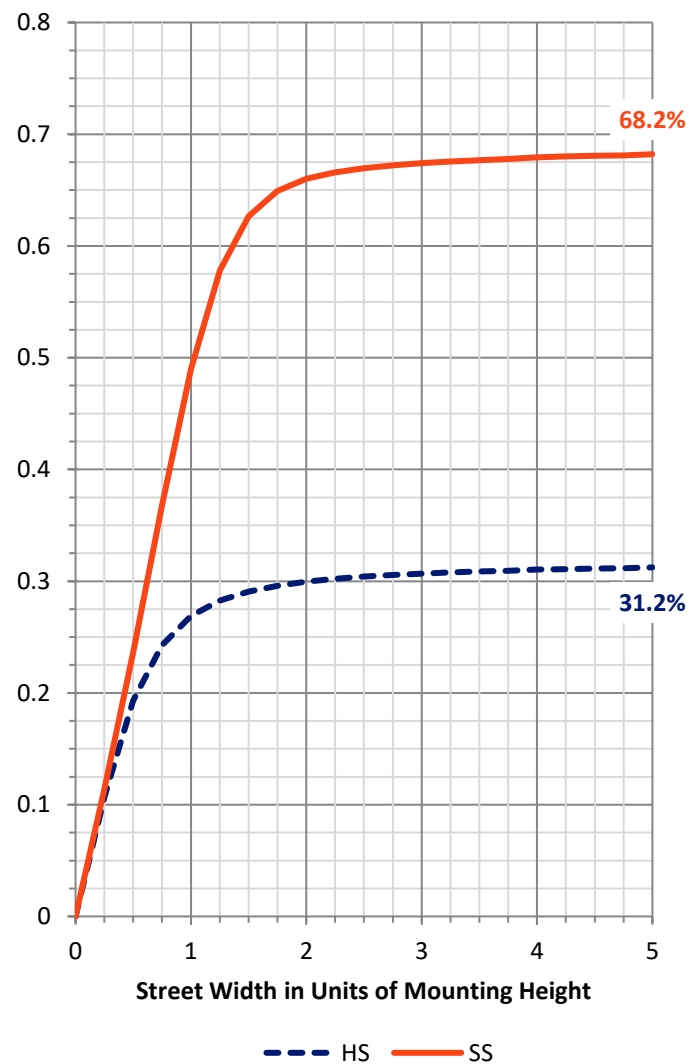
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14522.9	0.0	14522.9
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	31500.2	0.0	31500.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	46023.0	0.0	46023.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	505.6	1.1
10°-20°	1714.6	3.7
20°-30°	3476.6	7.6
30°-40°	6016.2	13.1
40°-50°	9104.3	19.8
50°-60°	10674.2	23.2
60°-70°	8949.1	19.4
70°-80°	4940.6	10.7
80°-90°	641.8	1.4
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°	46023.0	100.0
0°-180°	46023.0	100.0

Coefficient of Utilization



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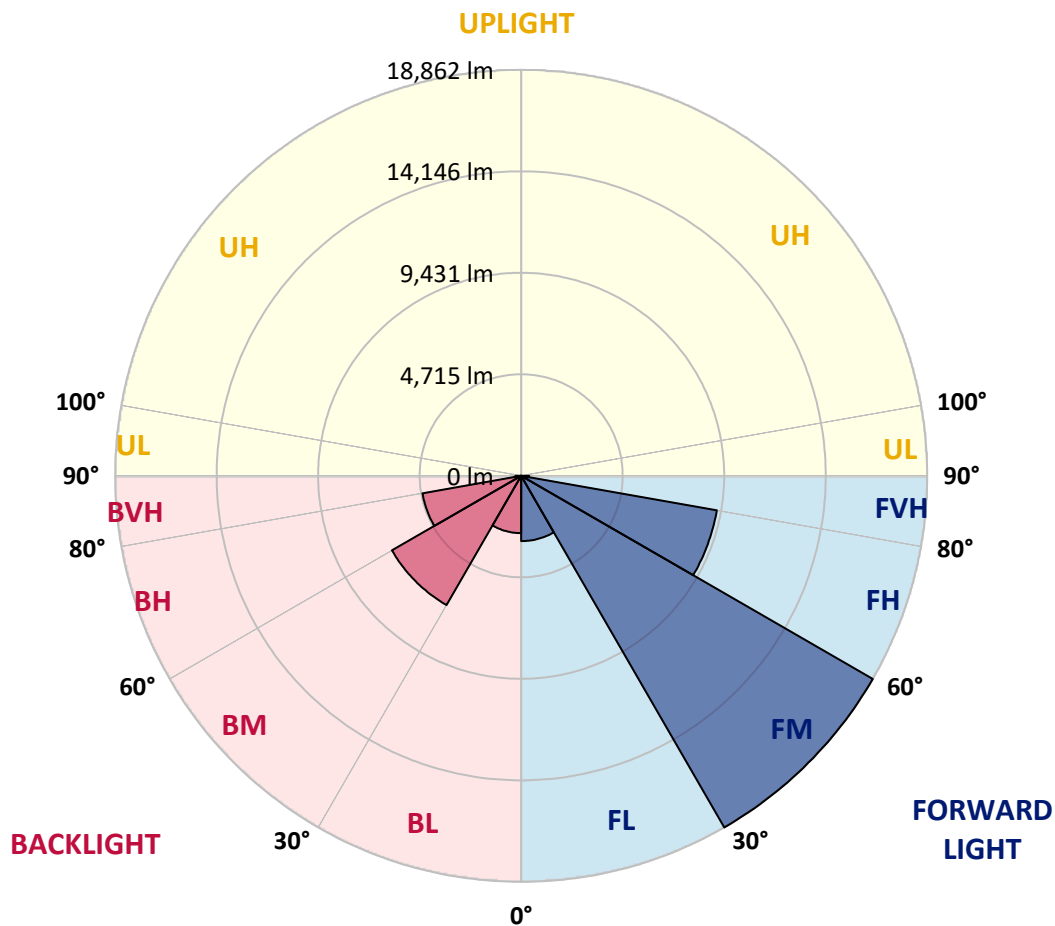
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3033.5	6.6			
FM	(30°-60°)	18861.7	41.0			
FH	(60°-80°)	9230.9	20.1			G4/12000
FVH	(80°-90°)	374.0	0.8			G3/500
BL	(0°-30°)	2663.3	5.8	B4/5000		
BM	(30°-60°)	6933.0	15.1	B4/8500		
BH	(60°-80°)	4658.8	10.1	B4/5000		G4/5000
BVH	(80°-90°)	267.7	0.6			G3/500
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°	67°	75°	85°
0°	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5
2.5°	5038.1	5023.8	5035.7	5035.7	5040.5	5038.1	5054.8	5059.6	5066.8	5081.1	5081.1
5°	4988.0	4985.6	5007.1	5026.2	5045.3	5062.0	5083.5	5114.5	5119.3	5136.0	5157.5
7.5°	4971.3	4956.9	4990.4	5014.2	5059.6	5100.2	5157.5	5210.0	5231.5	5238.7	5279.3
10°	5100.2	5076.3	5107.4	5121.7	5159.9	5200.5	5267.3	5350.9	5374.8	5403.4	5448.8
12.5°	5319.9	5293.6	5339.0	5360.5	5396.3	5432.1	5477.4	5558.6	5570.6	5623.1	5666.1
15°	5620.7	5589.7	5618.3	5644.6	5704.3	5737.7	5783.1	5861.9	5861.9	5902.5	5933.5
17.5°	6029.0	5988.4	6009.9	6019.5	6057.7	6107.8	6184.2	6253.5	6289.3	6275.0	6232.0
20°	6637.9	6587.7	6587.7	6540.0	6525.7	6566.3	6666.5	6762.0	6800.3	6726.2	6621.2
22.5°	7552.4	7480.8	7440.2	7277.8	7213.3	7218.1	7318.4	7435.4	7466.4	7335.1	7098.7
25°	8715.2	8603.0	8548.1	8309.3	8163.6	8037.1	8115.9	8266.3	8309.3	8146.9	7764.9
27.5°	9878.0	9885.2	9832.7	9546.1	9305.0	9073.4	9032.8	9190.4	9235.7	9051.9	8579.1
30°	11508.9	11339.3	11239.0	10895.2	10551.4	10226.6	10059.5	10124.0	10135.9	9916.2	9367.1
32.5°	12915.2	12872.2	12657.3	12356.5	11914.8	11406.2	11126.8	11024.1	11005.0	10692.2	10040.4
35°	14517.4	14493.5	14266.7	13908.5	13431.0	12724.2	12220.4	11926.7	11902.8	11463.5	10706.6
37.5°	16145.8	16145.8	15923.8	15532.2	15037.9	14154.5	13388.0	12922.4	12846.0	12272.9	11384.7
40°	17444.7	17365.9	17406.5	17241.8	16675.9	15737.5	14684.5	14008.8	13906.1	13218.5	12105.8
42.5°	18182.6	18156.3	18399.8	18583.7	18352.1	17602.3	16112.4	15186.0	15042.7	14259.5	12936.7
45°	18347.3	18318.7	18753.2	19426.6	19751.3	19443.3	17664.4	16425.2	16250.9	15348.3	13827.3
47.5°	17967.7	17910.4	18547.9	19610.4	20651.5	21193.5	19345.4	17769.5	17516.4	16408.5	14741.8
50°	16826.3	16771.4	17736.0	19147.2	20954.7	22382.6	21169.6	19194.9	18808.1	17545.0	15665.9
52.5°	14345.5	14371.7	15883.2	17822.0	20556.0	23122.8	22740.7	20696.8	20231.2	18707.9	16532.6
55°	11174.6	11231.9	13089.5	15224.2	18961.0	23010.5	23812.8	22244.1	21780.9	19801.4	17428.0
57.5°	8001.3	8254.4	9995.0	12108.2	15897.5	21231.7	24046.8	23714.9	23266.0	20995.3	18304.3
60°	5186.1	5231.5	7022.3	9152.2	12105.8	18070.3	23571.7	24830.0	24479.0	22213.0	19037.4
62.5°	3323.7	3354.8	4446.0	6401.5	8712.8	13368.9	21971.9	25314.7	25207.2	23017.7	19741.7
65°	2442.6	2418.8	2987.0	4231.1	5869.0	8244.8	18865.4	25080.7	25293.2	23521.5	20324.3
67.5°	2039.1	2005.7	2285.1	2929.7	4324.2	4682.3	13958.7	23559.7	24338.1	23464.2	20751.7
70°	1857.7	1829.0	1998.5	2175.2	3373.9	3135.1	7036.6	20481.9	21680.6	22812.4	20682.5
72.5°	1573.5	1523.4	1755.0	1931.7	2624.1	2404.4	2908.3	15732.7	17194.0	20723.1	19708.3
75°	1220.1	1186.7	1384.9	1700.1	1972.3	1876.8	1838.6	9553.3	11148.3	16026.4	17241.8
77.5°	967.0	921.7	1103.1	1325.2	1774.1	1415.9	1339.5	4114.1	5694.7	10231.4	12900.9
80°	728.3	687.7	838.1	1048.2	1363.4	1067.3	866.7	1678.6	2146.6	5183.8	6487.5
82.5°	518.1	482.3	585.0	768.8	916.9	957.5	532.5	940.8	1057.8	1998.5	1449.4
85°	331.9	310.4	391.6	482.3	582.6	616.0	324.7	491.9	539.6	823.8	604.1
87.5°	181.5	148.0	210.1	224.4	269.8	245.9	155.2	179.1	193.4	298.5	255.5
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°	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5	5071.5
2.5°	5090.6	5097.8	5121.7	5128.8	5145.6	5167.0	5181.4	5195.7	5195.7	5210.0	5210.0
5°	5159.9	5176.6	5226.7	5253.0	5296.0	5339.0	5365.2	5396.3	5415.4	5424.9	5429.7
7.5°	5293.6	5319.9	5391.5	5436.9	5510.9	5570.6	5611.2	5654.1	5663.7	5690.0	5680.4
10°	5475.1	5506.1	5587.3	5673.2	5761.6	5835.6	5873.8	5904.9	5916.8	5921.6	5909.6
12.5°	5682.8	5728.2	5833.2	5938.3	6031.4	6095.9	6105.4	6098.3	6064.8	6036.2	6036.2
15°	5938.3	5978.9	6095.9	6210.5	6301.2	6313.2	6253.5	6215.3	6174.7	6167.5	6167.5
17.5°	6243.9	6265.4	6372.8	6485.1	6492.2	6451.6	6363.3	6327.5	6289.3	6263.0	6265.4
20°	6599.7	6592.5	6668.9	6716.7	6666.5	6542.4	6408.7	6349.0	6310.8	6279.7	6282.1
22.5°	7024.7	6969.8	6960.2	6948.3	6814.6	6554.3	6372.8	6296.4	6236.7	6193.8	6208.1
25°	7643.1	7433.0	7287.3	7206.2	6905.3	6489.8	6258.2	6088.7	5976.5	5902.5	5931.1
27.5°	8416.7	8063.4	7695.6	7497.5	6905.3	6358.5	5981.3	5706.7	5522.8	5446.4	5484.6
30°	9154.6	8784.5	8242.4	7848.5	6888.6	6143.6	5534.8	5152.7	4937.8	4861.4	4906.8
32.5°	9784.9	9381.4	8822.7	8232.9	6848.0	5795.0	4980.8	4558.2	4350.4	4259.7	4305.1
35°	10369.9	9940.1	9405.3	8655.5	6740.6	5284.0	4371.9	4049.6	3818.0	3672.3	3720.1
37.5°	10969.2	10458.3	9956.8	9037.6	6547.2	4687.1	3903.9	3629.3	3357.1	3161.4	3213.9
40°	11621.1	11009.8	10546.6	9264.4	6229.6	4118.8	3541.0	3290.3	3001.4	2793.6	2834.2
42.5°	12382.8	11671.2	11203.2	9381.4	5795.0	3715.3	3304.6	3058.7	2786.5	2617.0	2650.4
45°	13177.9	12399.5	11802.5	9379.0	5310.3	3526.7	3228.2	2984.7	2683.8	2507.1	2535.8
47.5°	14011.2	13161.2	12320.7	9226.2	4890.1	3552.9	3185.2	2824.7	2492.8	2320.9	2344.7
50°	14846.9	13994.5	12822.1	8939.7	4711.0	3495.6	3025.3	2600.2	2208.6	2053.4	2063.0
52.5°	15675.4	14880.3	13254.3	8531.4	4529.5	3283.1	2819.9	2308.9	2091.7	1984.2	1984.2
55°	16508.8	15756.6	13724.7	7936.8	4075.9	3034.8	2476.1	2199.1	1998.5	1900.6	1891.1
57.5°	17344.5	16769.0	14171.2	7342.3	3505.2	2729.2	2287.4	2065.4	1905.4	1821.8	1807.5
60°	18213.6	17927.1	14632.0	6795.5	2941.7	2337.6	2149.0	1957.9	1795.6	1702.5	1695.3
62.5°	19109.0	19202.1	14992.5	6091.1	2423.5	2098.8	2024.8	1829.0	1671.4	1583.1	1580.7
65°	20011.6	20431.8	15228.9	5114.5	1965.1	1872.0	1891.1	1688.1	1528.1	1451.7	1449.4
67.5°	20692.1	21317.6	15162.1	3870.5	1611.7	1657.1	1723.9	1540.1	1389.7	1330.0	1332.4
70°	20768.5	21212.6	14503.1	2650.4	1349.1	1447.0	1537.7	1394.4	1239.2	1196.3	1198.6
72.5°	19751.3	19779.9	12666.9	1731.1	1141.3	1270.3	1341.9	1246.4	1096.0	1053.0	1050.6
75°	17084.2	16358.3	9300.2	1141.3	955.1	1091.2	1158.0	1091.2	945.5	955.1	921.7
77.5°	12943.9	11585.3	5647.0	811.8	797.5	916.9	1007.6	959.9	835.7	938.4	826.2
80°	6668.9	6267.8	2519.1	606.5	630.4	733.0	828.5	766.5	661.4	630.4	575.4
82.5°	1528.1	1776.5	993.3	434.6	456.1	527.7	632.7	575.4	475.2	401.1	396.4
85°	534.9	585.0	439.3	272.2	267.4	329.5	429.8	384.4	322.3	257.9	272.2
87.5°	169.5	222.1	164.8	109.8	114.6	148.0	198.2	181.5	150.4	97.9	102.7
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)