Cooper Lighting Solutions Photometric Lab
1121 Highway 74 South
Peachtree City, GA 30269

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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: P957257

Luminaire Tested: **GALN-SB9C-930-U-T2U**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P957257
	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-SB9C-930-U-T2U
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(9) 90 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:	48089 lumens
Efficiency:	N/A
Efficacy:	106.9 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification:	Type II - Short
BUG Rating:	B4 - U0 - G4

Input Watts (W):	449.8
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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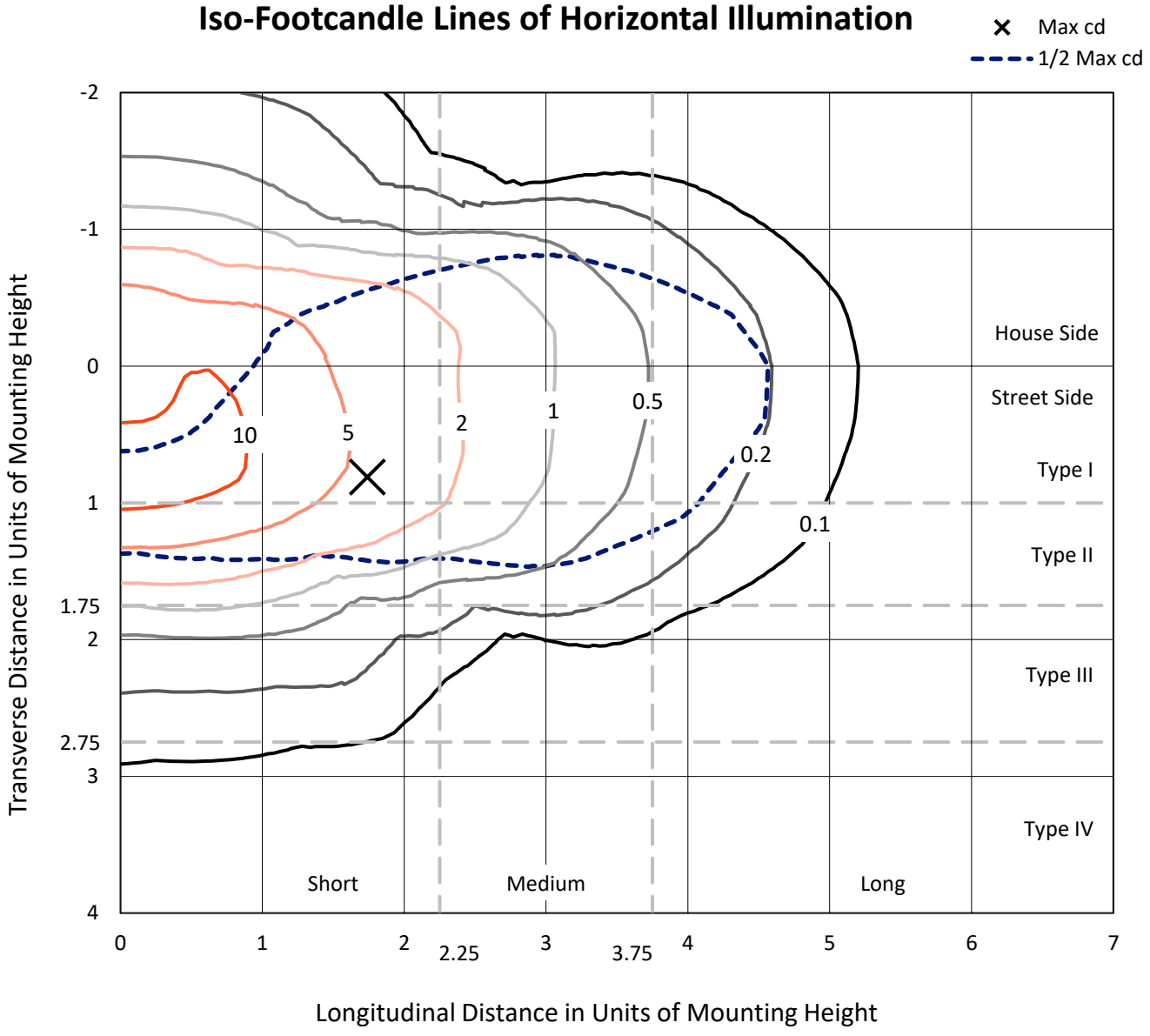
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 13.5 fc
Type II - Short - N/A

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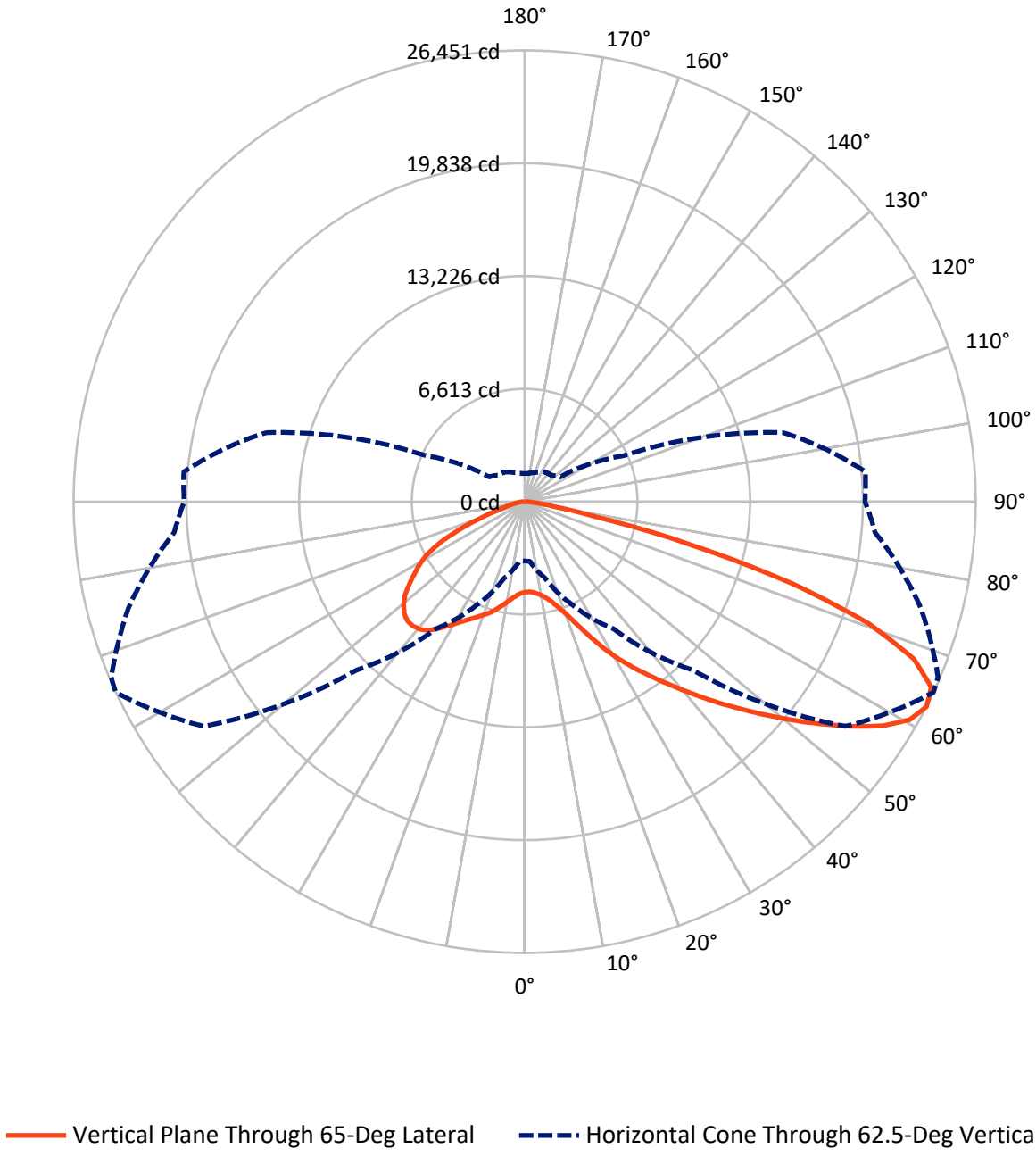
Luminous Intensity Polar Plot



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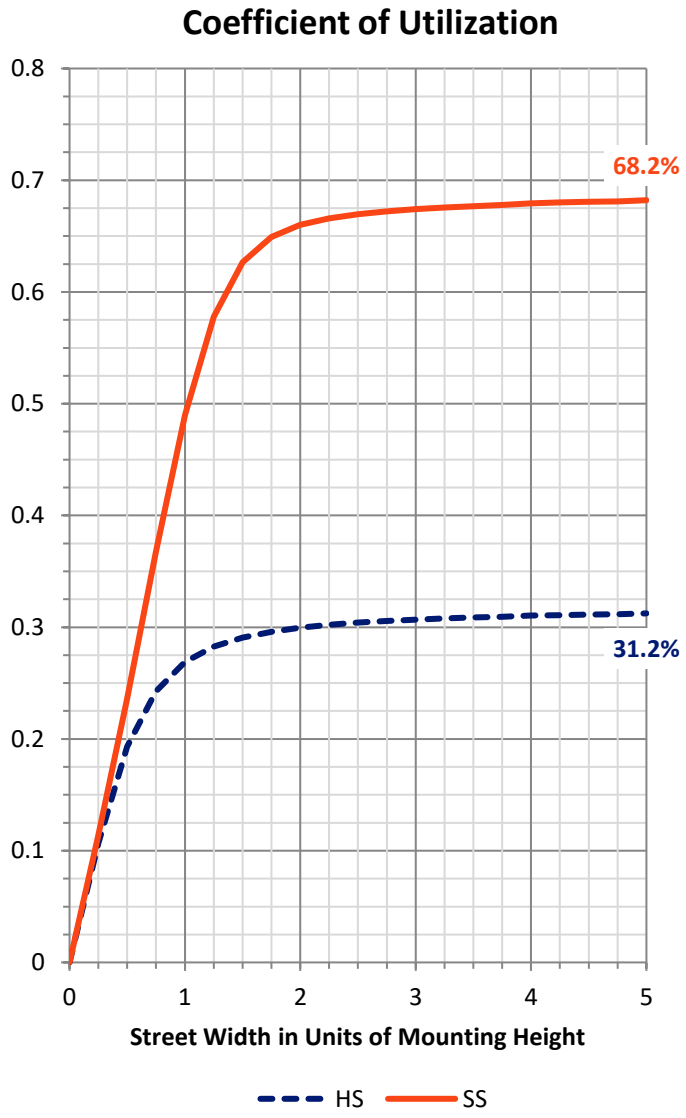
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15174.8	0.0	15174.8
	% Fixture	31.6	0.0	31.6
Street Side	Lumens	32914.2	0.0	32914.2
	% Fixture	68.4	0.0	68.4
Total	Lumens	48089.0	0.0	48089.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	528.3	1.1
10°-20°	1791.6	3.7
20°-30°	3632.7	7.6
30°-40°	6286.2	13.1
40°-50°	9513.0	19.8
50°-60°	11153.4	23.2
60°-70°	9350.8	19.4
70°-80°	5162.4	10.7
80°-90°	670.6	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°	48089.0	100.0
0°-180°	48089.0	100.0



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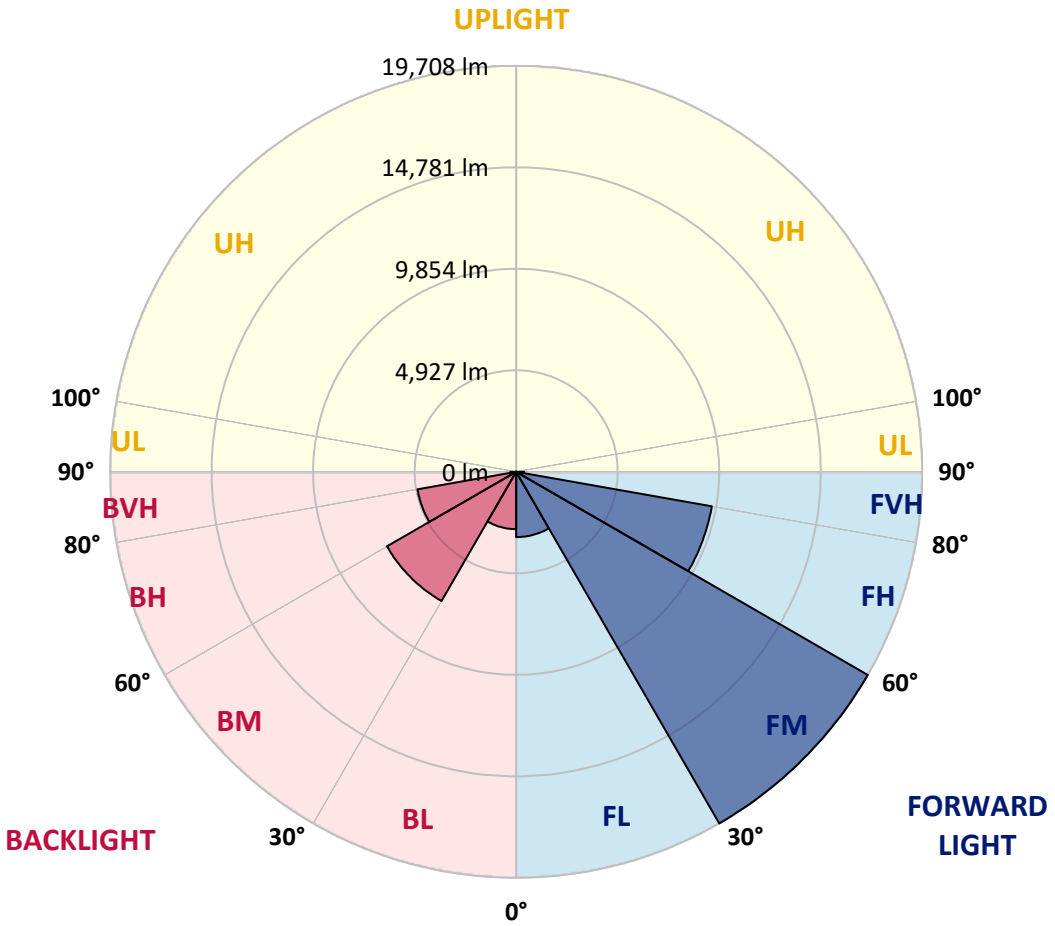
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	3169.7	6.6			
FM	(30°-60°)	19708.4	41.0			
FH	(60°-80°)	9645.2	20.1			G4/12000
FVH	(80°-90°)	390.8	0.8			G3/500
BL	(0°-30°)	2782.9	5.8	B4/5000		
BM	(30°-60°)	7244.2	15.1	B4/8500		
BH	(60°-80°)	4867.9	10.1	B4/5000		G4/5000
BVH	(80°-90°)	279.7	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°
0°	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	*5299.2*	5299.2	5299.2
2.5°	5264.3	5249.3	5261.8	5261.8	5266.8	5264.3	5281.7	*5286.7*	5294.2	5309.2
5°	5211.9	5209.4	5231.8	5251.8	5271.8	5289.2	5311.7	*5344.1*	5349.1	5366.6
7.5°	5194.4	5179.4	5214.4	5239.3	5286.7	5329.1	5389.0	*5443.9*	5466.4	5473.8
10°	5329.1	5304.2	5336.6	5351.6	5391.5	5433.9	5503.8	*5591.1*	5616.1	5646.0
12.5°	5558.7	5531.2	5578.6	5601.1	5638.5	5675.9	5723.3	*5808.2*	5820.6	5875.5
15°	5873.0	5840.6	5870.5	5898.0	5960.4	5995.3	6042.7	*6125.0*	6125.0	6167.4
17.5°	6299.7	6257.2	6279.7	6289.7	6329.6	6382.0	6461.8	*6534.2*	6571.6	6556.6
20°	6935.9	6883.5	6883.5	6833.6	6818.6	6861.0	6965.8	*7065.6*	7105.5	7028.2
22.5°	7891.4	7816.6	7774.2	7604.5	7537.1	7542.1	7646.9	*7769.2*	7801.6	7664.4
25°	9106.4	8989.2	8931.8	8682.3	8530.1	8397.9	8480.2	*8637.4*	8682.3	8512.6
27.5°	10321.5	10328.9	10274.1	9974.7	9722.7	9480.7	9438.3	*9602.9*	9650.3	9458.2
30°	12025.5	11848.4	11743.6	11384.3	11025.0	10685.7	10511.1	*10578.4*	10590.9	10361.4
32.5°	13495.0	13450.1	13225.5	12911.2	12449.6	11918.2	11626.3	*11519.0*	11499.1	11172.2
35°	15169.1	15144.1	14907.1	14532.9	14033.9	13295.4	12769.0	*12462.1*	12437.2	11978.1
37.5°	16870.6	16870.6	16638.6	16229.4	15713.0	14789.9	13989.0	*13502.5*	13422.6	12823.9
40°	18227.8	18145.5	18187.9	18015.8	17424.5	16444.0	15343.7	*14637.7*	14530.4	13811.8
42.5°	18998.8	18971.3	19225.8	19417.9	19175.9	18392.5	16835.7	*15867.7*	15718.0	14899.6
45°	19170.9	19141.0	19595.1	20298.6	20637.9	20316.1	18457.4	*17162.5*	16980.4	16037.3
47.5°	18774.2	18714.4	19380.5	20490.7	21578.5	22144.9	20213.8	*18567.2*	18302.7	17145.1
50°	17581.7	17524.3	18532.2	20006.7	21895.4	23387.3	22119.9	*20056.6*	19652.4	18332.6
52.5°	14989.4	15016.9	16596.2	18622.0	21478.7	24160.8	23761.6	*21625.9*	21139.4	19547.7
55°	11676.2	11736.1	13677.1	15907.6	19812.1	24043.5	24881.8	*23242.6*	22758.6	20690.3
57.5°	8360.5	8624.9	10443.7	12651.7	16611.1	22184.8	25126.3	*24779.5*	24310.5	21937.8
60°	5419.0	5466.4	7337.5	9563.0	12649.2	18881.5	24629.8	*25944.6*	25577.9	23210.2
62.5°	*3472.9*	*3505.4*	*4645.5*	*6688.9*	*9103.9*	*13969.0*	*22958.2*	*26451.1*	*26338.8*	*24051.0*
65°	2552.3	2527.3	3121.1	4421.0	6132.5	8614.9	19712.3	*26206.6*	26428.6	24577.4
67.5°	2130.7	2095.7	2387.6	3061.3	4518.3	4892.5	14585.3	*24617.3*	25430.7	24517.5
70°	1941.0	1911.1	2088.2	2272.9	3525.3	3275.8	7352.5	*21401.4*	22653.8	23836.4
72.5°	1644.1	1591.8	1833.8	2018.4	2741.9	2512.4	3038.8	*16439.0*	17965.9	21653.4
75°	1274.9	1240.0	1447.1	1776.4	2060.8	1961.0	1921.1	*9982.2*	11648.8	16745.9
77.5°	1010.4	963.0	1152.7	1384.7	1853.7	1479.5	1399.6	*4298.7*	5950.4	10690.7
80°	760.9	718.5	875.7	1095.3	1424.6	1115.2	905.7	*1753.9*	2242.9	5416.5
82.5°	541.4	504.0	611.3	803.4	958.0	1000.5	556.4	*983.0*	1105.2	2088.2
85°	346.8	324.3	409.2	504.0	608.8	643.7	339.3	*514.0*	563.9	860.7
87.5°	189.6	154.7	219.6	234.5	281.9	257.0	162.2	*187.1*	202.1	311.9
90°	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):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
5299.2	0°	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2	5299.2
5309.2	2.5°	5319.2	5326.6	5351.6	5359.1	5376.5	5399.0	5414.0	5428.9	5428.9	5443.9
5389.0	5°	5391.5	5409.0	5461.4	5488.8	5533.7	5578.6	5606.1	5638.5	5658.5	5668.4
5516.3	7.5°	5531.2	5558.7	5633.5	5680.9	5758.3	5820.6	5863.1	5908.0	5917.9	5945.4
5693.4	10°	5720.8	5753.3	5838.1	5927.9	6020.2	6097.6	6137.5	6169.9	6182.4	6187.4
5920.4	12.5°	5937.9	5985.3	6095.1	6204.9	6302.2	6369.5	6379.5	6372.0	6337.1	6307.1
6199.9	15°	6204.9	6247.3	6369.5	6489.3	6584.1	6596.6	6534.2	6494.3	6451.8	6444.4
6511.7	17.5°	6524.2	6546.7	6658.9	6776.2	6783.7	6741.3	6648.9	6611.5	6571.6	6544.2
6918.4	20°	6895.9	6888.5	6968.3	7018.2	6965.8	6836.1	6696.4	6634.0	6594.1	6561.6
7417.4	22.5°	7340.0	7282.7	7272.7	7260.2	7120.5	6848.5	6658.9	6579.1	6516.7	6471.8
8113.5	25°	7986.2	7766.7	7614.5	7529.7	7215.3	6781.2	6539.2	6362.0	6244.8	6167.4
8964.2	27.5°	8794.6	8425.3	8041.1	7834.0	7215.3	6644.0	6249.8	5962.8	5770.7	5690.9
9787.6	30°	9565.5	9178.8	8612.4	8200.8	7197.8	6419.4	5783.2	5384.0	5159.5	5079.6
10491.1	32.5°	10224.2	9802.5	9218.7	8602.5	7155.4	6055.2	5204.4	4762.8	4545.7	4450.9
11187.2	35°	10835.4	10386.3	9827.5	9044.1	7043.1	5521.2	4568.2	4231.4	3989.4	3837.2
11895.8	37.5°	11461.6	10927.7	10403.8	9443.3	6841.1	4897.5	4079.2	3792.3	3507.9	3303.3
12649.2	40°	12142.8	11504.1	11020.0	9680.3	6509.2	4303.7	3700.0	3438.0	3136.1	2919.1
13517.4	42.5°	12938.6	12195.1	11706.1	9802.5	6055.2	3882.1	3453.0	3196.0	2911.6	2734.4
14448.1	45°	13769.4	12956.1	12332.4	9800.0	5548.7	3685.0	3373.1	3118.6	2804.3	2619.7
15403.6	47.5°	14640.2	13752.0	12873.8	9640.4	5109.6	3712.4	3328.2	2951.5	2604.7	2425.1
16369.1	50°	15513.4	14622.7	13397.7	9341.0	4922.5	3652.6	3161.1	2717.0	2307.8	2145.6
17274.8	52.5°	16379.1	15548.3	13849.3	8914.3	4732.9	3430.5	2946.5	2412.6	2185.5	2073.3
18210.4	55°	17249.8	16463.9	14340.8	8293.1	4258.8	3171.0	2587.2	2297.8	2088.2	1986.0
19126.0	57.5°	18123.1	17521.8	14807.3	7671.9	3662.5	2851.7	2390.1	2158.1	1990.9	1903.6
19892.0	60°	19031.2	18731.8	15288.8	7100.5	3073.7	2442.5	2245.4	2045.8	1876.2	1778.9
20628.0	62.5°	*19966.8*	*20064.1*	*15665.6*	*6364.5*	*2532.3*	*2193.0*	*2115.7*	*1911.1*	*1746.4*	*1654.1*
21236.7	65°	20909.9	21349.0	15912.6	5344.1	2053.3	1956.0	1976.0	1763.9	1596.7	1516.9
21683.3	67.5°	21620.9	22274.6	15842.7	4044.3	1684.1	1731.5	1801.3	1609.2	1452.0	1389.7
21611.0	70°	21700.8	22164.8	15154.1	2769.4	1409.6	1511.9	1606.7	1457.0	1294.9	1250.0
20593.0	72.5°	20637.9	20667.9	13235.5	1808.8	1192.6	1327.3	1402.1	1302.3	1145.2	1100.3
18015.8	75°	17851.1	17092.7	9717.7	1192.6	998.0	1140.2	1210.0	1140.2	988.0	998.0
13480.0	77.5°	13524.9	12105.3	5900.5	848.3	833.3	958.0	1052.9	1003.0	873.2	980.5
6778.7	80°	6968.3	6549.2	2632.1	633.7	658.7	765.9	865.7	800.9	691.1	658.7
1514.4	82.5°	1596.7	1856.2	1037.9	454.1	476.5	551.4	661.2	601.3	496.5	419.1
631.2	85°	558.9	611.3	459.1	284.4	279.4	344.3	449.1	401.7	336.8	269.5
267.0	87.5°	177.1	232.0	172.1	114.8	119.8	154.7	207.1	189.6	157.2	102.3
0.0	90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END O

Scaled Data Report

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180°
5299.2
5443.9
5673.4
5935.4
6174.9
6307.1
6444.4
6546.7
6564.1
6486.8
6197.4
5730.8
5127.1
4498.3
3887.1
3358.2
2961.5
2769.4
2649.6
2450.0
2155.6
2073.3
1976.0
1888.7
1771.4
1651.6
1514.4
1392.2
1252.4
1097.8
963.0
863.2
601.3
414.2
284.4
107.3
0.0

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