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: P941767

Luminaire Tested: **GALN-SB5B-950-U-T3**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P941767
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB5B-950-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(5) 90 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	19801 lumens
Efficiency:	N/A
Efficacy:	108.4 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B3 - U0 - G3

Input Watts (W):	182.7
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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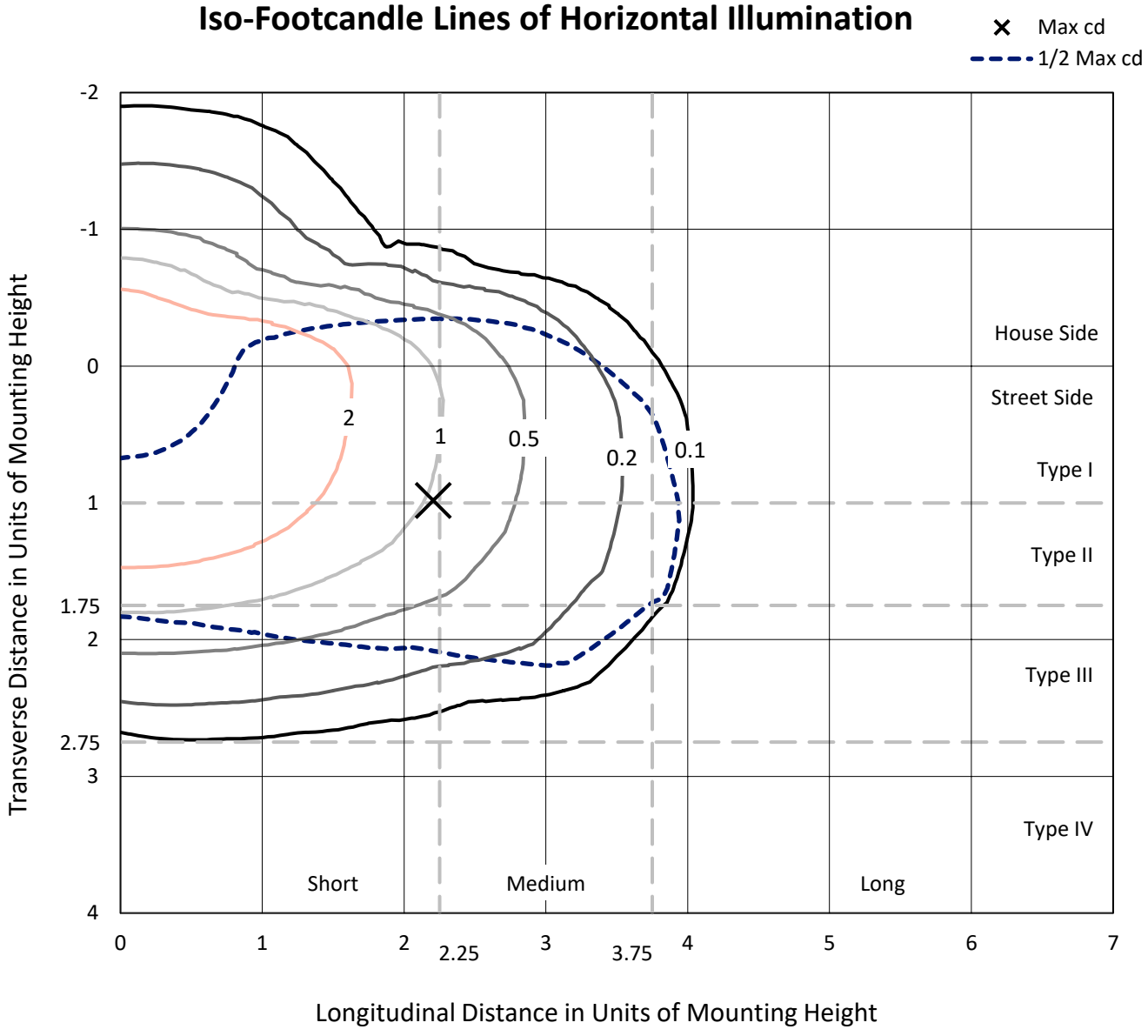
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5 fc
Type III - Short - N/A

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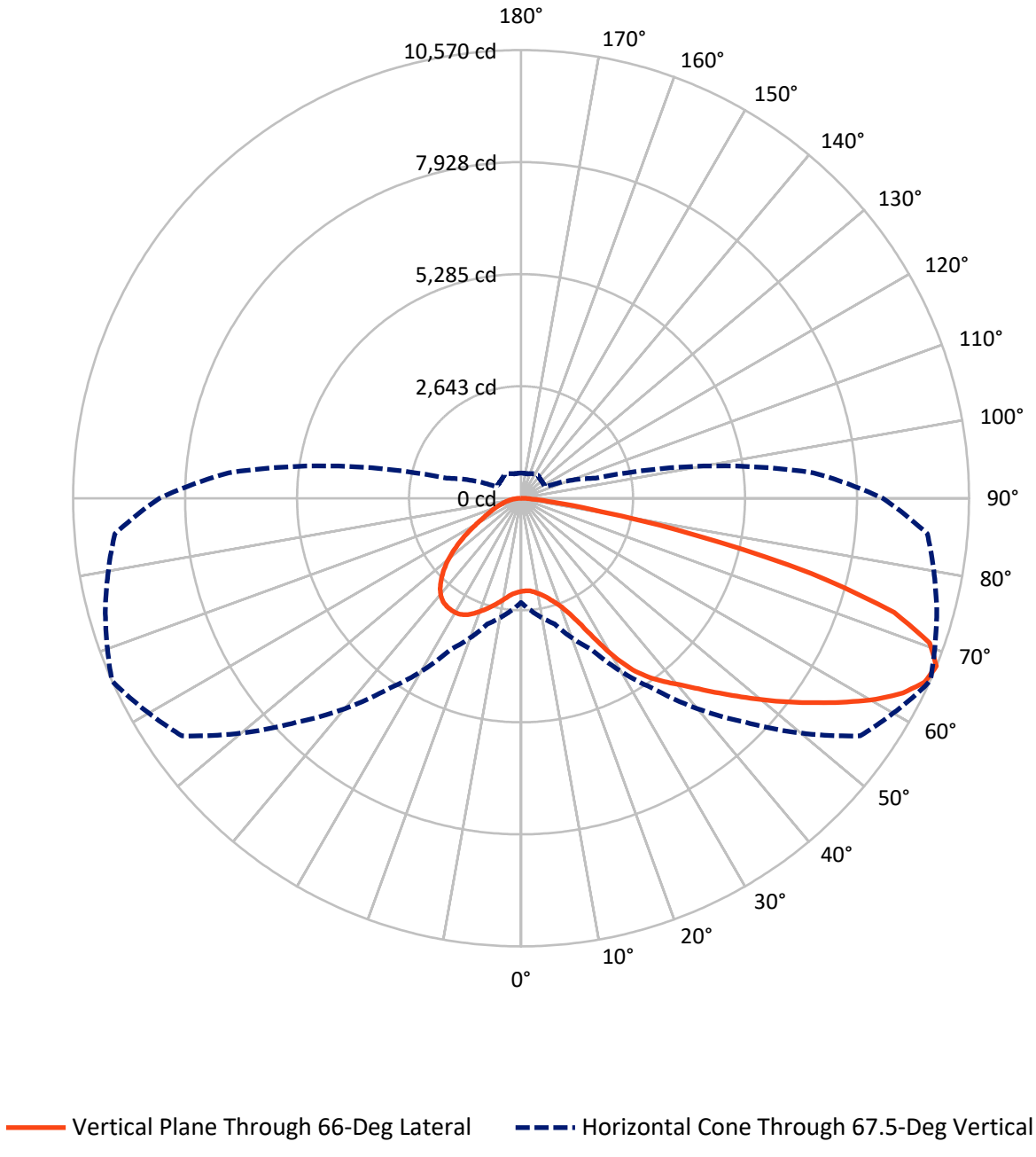
Luminous Intensity Polar Plot



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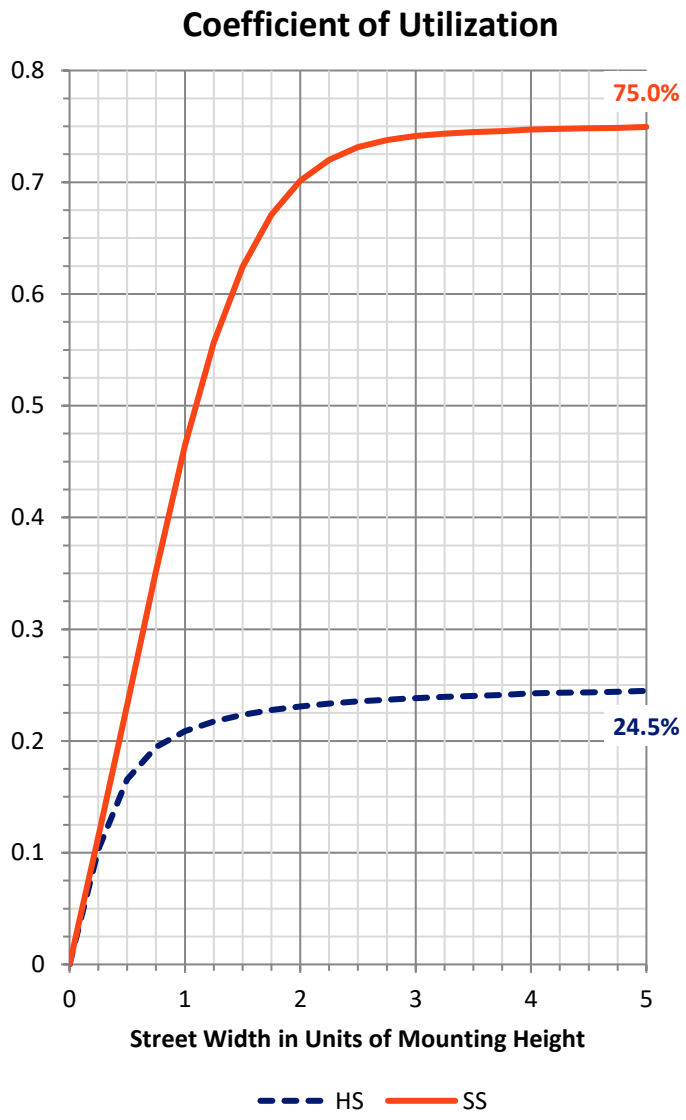
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4923.5	0.0	4923.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	14877.5	0.0	14877.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	19801.0	0.0	19801.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	217.7	1.1
10°-20°	719.4	3.6
20°-30°	1386.6	7.0
30°-40°	2431.2	12.3
40°-50°	3614.4	18.3
50°-60°	4581.6	23.1
60°-70°	4483.0	22.6
70°-80°	2138.4	10.8
80°-90°	228.5	1.2
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°	19801.0	100.0
0°-180°	19801.0	100.0



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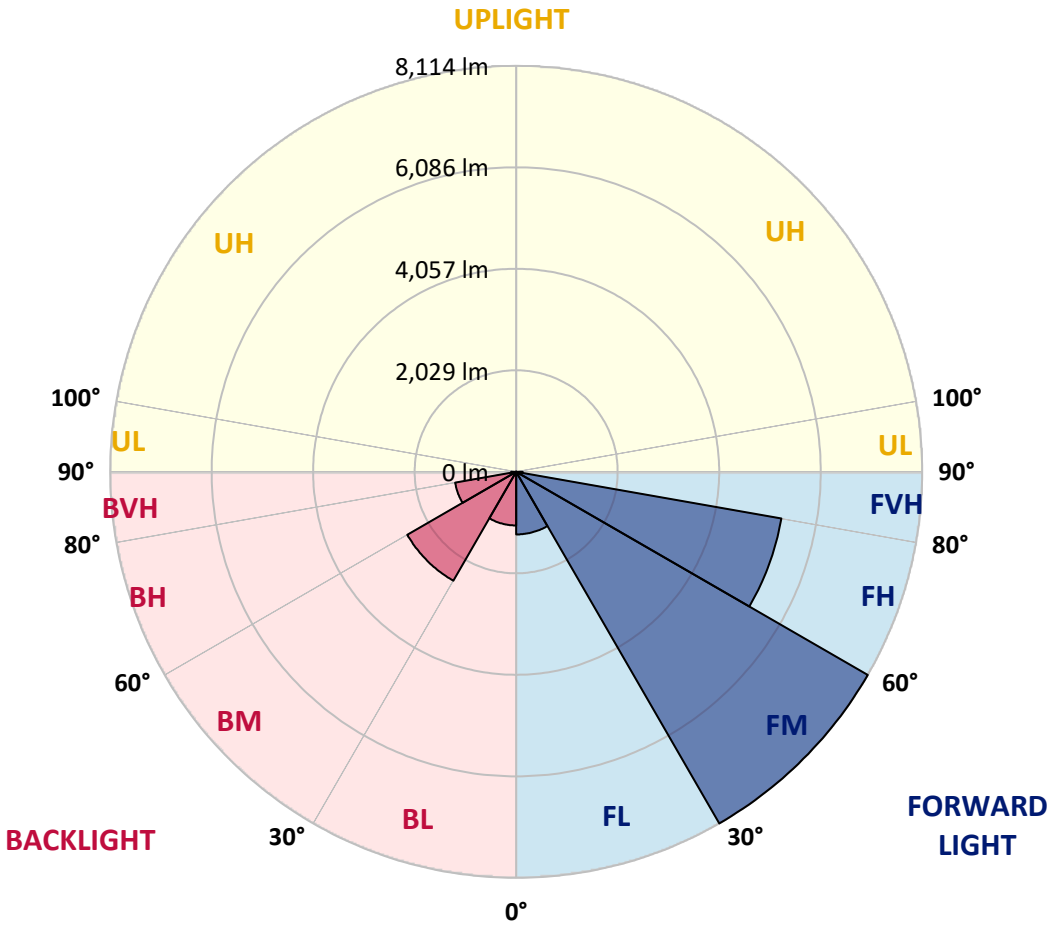
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1251.2	6.3			
FM	(30°-60°)	8114.3	41.0			
FH	(60°-80°)	5382.5	27.2			G3/7500
FVH	(80°-90°)	129.6	0.7			G2/225
BL	(0°-30°)	1072.5	5.4	B3/2500		
BM	(30°-60°)	2513.0	12.7	B3/5000		
BH	(60°-80°)	1239.0	6.3	B3/2500		G3/2500
BVH	(80°-90°)	99.0	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3
Type III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	*2196.2*	2196.2
2.5°	2173.3	2185.8	2182.7	2177.5	2176.4	2178.5	2181.6	2184.7	*2183.7*	2188.9
5°	2167.1	2179.5	2178.5	2178.5	2182.7	2191.0	2196.2	2201.4	*2196.2*	2202.4
7.5°	2171.2	2180.6	2184.7	2188.9	2199.3	2214.9	2227.4	2238.8	*2232.6*	2239.9
10°	2224.3	2231.6	2235.7	2235.7	2243.0	2260.7	2273.2	2294.0	*2288.8*	2300.2
12.5°	2321.0	2328.3	2328.3	2324.2	2329.4	2340.8	2345.0	2367.9	*2358.5*	2377.2
15°	2439.6	2454.2	2442.8	2435.5	2437.6	2449.0	2448.0	2465.6	*2456.3*	2471.9
17.5°	2570.7	2589.4	2570.7	2569.7	2565.5	2578.0	2579.0	2594.6	*2578.0*	2589.4
20°	2725.7	2751.7	2736.1	2741.3	2732.0	2737.2	2742.4	2765.3	*2739.3*	2747.6
22.5°	2944.2	2975.4	2958.8	2978.5	2972.3	2968.1	2967.1	3007.7	*2967.1*	2970.2
25°	3262.6	3300.0	3270.9	3297.9	3297.9	3311.5	3327.1	3379.1	*3311.5*	3291.7
27.5°	3732.8	3770.3	3713.0	3729.7	3724.5	3757.8	3741.1	3870.1	*3797.3*	3765.1
30°	4298.8	4365.3	4257.1	4253.0	4247.8	4300.8	4324.8	4410.1	*4336.2*	4304.0
32.5°	4910.5	4980.2	4851.2	4813.7	4794.0	4826.2	4806.4	4875.1	*4824.1*	4774.2
35°	5557.6	5626.2	5503.5	5430.7	5351.6	5284.0	5213.2	5230.9	*5183.1*	5107.1
37.5°	6169.3	6295.2	6165.2	6087.1	5941.5	5809.4	5611.7	5529.5	*5484.8*	5415.1
40°	6792.5	6864.3	6765.4	6698.9	6540.7	6333.7	6017.4	5843.7	*5783.3*	5715.7
42.5°	7251.3	7319.9	7266.9	7221.1	7097.3	6857.0	6448.1	6230.7	*6143.3*	6067.4
45°	7615.4	7666.4	7633.1	7649.7	7596.7	7363.6	6894.4	6645.8	*6555.3*	6462.7
47.5°	7762.1	7816.2	7869.3	7968.1	8058.6	7886.9	7374.0	7095.2	*6999.5*	6904.8
50°	7745.5	7800.6	7954.6	8164.7	8445.6	8388.4	7879.7	7573.8	*7485.4*	7377.2
52.5°	7612.3	7674.7	7872.4	8221.9	8669.3	8764.0	8394.6	8068.0	*7984.7*	7855.7
55°	7262.7	7300.2	7596.7	8091.9	8722.3	9026.1	8899.2	8594.4	*8511.2*	8331.2
57.5°	6614.6	6668.7	7100.4	7741.3	8589.2	9204.0	9342.4	9147.9	*9067.7*	8808.7
60°	5768.8	5855.1	6349.3	7152.5	8250.0	9203.0	9745.0	9692.0	*9625.4*	9278.9
62.5°	4811.6	4911.5	5387.0	6320.2	7657.0	8941.9	9996.8	10147.6	*10113.3*	9712.8
65°	3695.3	3764.0	4237.4	5243.4	6734.2	8381.1	10025.9	10458.7	*10464.9*	10042.6
67.5°	*2460.4*	*2658.1*	*3069.1*	*3934.6*	*5498.3*	*7464.6*	*9770.0*	*10509.7*	*10570.0*	*10156.0*
70°	1200.6	1460.7	1863.3	2557.2	3934.6	6059.0	9101.0	10091.5	*10225.7*	9825.1
72.5°	498.3	582.6	802.1	1262.0	2258.6	4088.6	7756.9	8957.5	*9206.1*	8705.7
75°	336.0	364.1	458.8	647.1	1028.9	2016.2	5594.0	6679.1	*7079.6*	6575.1
77.5°	259.0	276.7	334.0	452.6	611.7	762.6	2994.1	4025.1	*4232.2*	3918.0
80°	203.9	217.4	249.7	329.8	433.8	407.8	1020.6	1823.7	*1943.4*	1630.2
82.5°	176.9	182.1	178.9	223.7	288.2	238.2	335.0	673.1	*742.8*	538.9
85°	128.0	142.5	148.8	138.4	152.9	120.7	137.3	238.2	*262.2*	234.1
87.5°	52.0	77.0	94.7	89.5	56.2	34.3	42.7	69.7	*80.1*	87.4
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°
2196.2	0°	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2	2196.2
2197.2	2.5°	2198.3	2205.6	2210.8	2217.0	2221.2	2227.4	2239.9	2247.2	2248.2	2253.4
2213.9	5°	2218.0	2228.4	2239.9	2256.5	2275.3	2290.9	2314.8	2331.4	2337.7	2342.9
2254.5	7.5°	2260.7	2275.3	2296.1	2325.2	2352.2	2373.1	2402.2	2421.9	2441.7	2449.0
2319.0	10°	2324.2	2345.0	2375.1	2414.7	2443.8	2470.8	2501.0	2517.7	2537.4	2545.8
2395.9	12.5°	2403.2	2425.1	2464.6	2519.7	2546.8	2565.5	2575.9	2571.8	2575.9	2583.2
2488.5	15°	2493.7	2517.7	2562.4	2621.7	2640.4	2623.8	2600.9	2580.1	2577.0	2579.0
2600.9	17.5°	2600.9	2618.6	2670.6	2720.5	2707.0	2638.3	2588.4	2555.1	2538.5	2533.3
2744.5	20°	2750.7	2750.7	2793.4	2824.6	2734.1	2617.5	2539.5	2485.4	2451.1	2436.5
2940.0	22.5°	2932.8	2916.1	2943.2	2921.3	2728.9	2559.3	2451.1	2357.4	2305.4	2284.6
3213.7	25°	3163.7	3144.0	3136.7	3001.4	2691.4	2466.7	2290.9	2177.5	2131.7	2120.2
3608.0	27.5°	3512.2	3462.3	3367.6	3045.1	2622.7	2321.0	2103.6	1998.5	1972.5	1973.6
4114.6	30°	3976.2	3876.4	3644.4	3052.4	2510.4	2115.0	1912.2	1837.3	1824.8	1830.0
4540.1	32.5°	4405.9	4311.2	3927.3	3019.1	2337.7	1913.2	1740.5	1690.6	1671.9	1678.1
4864.7	35°	4743.0	4717.0	4189.5	2972.3	2125.4	1723.9	1586.5	1543.9	1507.5	1499.2
5170.6	37.5°	5061.3	5050.9	4386.1	2906.8	1915.3	1589.7	1462.7	1406.6	1353.5	1324.4
5508.7	40°	5410.9	5400.5	4515.1	2805.8	1729.1	1473.1	1351.4	1277.6	1212.0	1159.0
5891.5	42.5°	5804.1	5742.8	4576.5	2661.2	1570.9	1374.3	1260.9	1161.0	1074.7	1025.8
6324.3	45°	6233.8	6095.4	4575.5	2477.1	1437.8	1283.8	1164.2	1022.7	942.6	896.8
6768.6	47.5°	6689.5	6432.5	4519.3	2273.2	1308.8	1183.9	1014.3	906.2	853.1	825.0
7251.3	50°	7159.7	6747.8	4423.6	2039.1	1176.6	1070.5	920.7	846.9	806.3	780.3
7729.8	52.5°	7601.9	7033.9	4308.1	1773.8	1042.4	960.2	879.1	821.9	779.2	750.1
8193.8	55°	8012.8	7280.4	4144.8	1502.3	933.2	886.4	859.3	811.5	762.6	728.2
8665.1	57.5°	8378.0	7440.6	3862.8	1247.4	855.2	835.4	838.5	793.8	737.6	708.5
9129.1	60°	8681.8	7558.2	3445.7	1011.2	791.7	785.5	806.3	760.5	695.0	661.7
9521.3	62.5°	8863.8	7556.1	2933.8	828.1	737.6	739.7	763.6	718.9	652.3	621.1
9726.3	65°	8848.2	7370.9	2372.0	708.5	685.6	687.7	718.9	673.1	616.9	598.2
9623.3	67.5°	*8535.1*	*6919.4*	*1819.6*	*630.5*	*628.4*	*637.7*	*674.2*	*641.9*	*595.1*	*593.0*
9009.5	70°	7687.2	5982.0	1310.8	568.0	569.1	582.6	630.5	622.1	583.6	587.8
7574.8	72.5°	6164.1	4560.9	880.1	502.5	503.5	525.4	588.8	606.5	572.2	627.3
5374.5	75°	4105.2	2844.3	566.0	432.8	433.8	461.9	552.4	576.4	541.0	625.3
2796.5	77.5°	1972.5	1278.6	409.9	364.1	364.1	390.1	477.5	516.0	460.9	485.8
898.9	80°	681.4	480.6	322.5	293.4	287.1	304.8	402.6	447.4	397.4	366.2
293.4	82.5°	268.4	249.7	259.0	227.8	207.0	218.5	313.1	369.3	292.3	264.3
165.4	85°	154.0	162.3	183.1	150.9	119.6	134.2	229.9	265.3	220.6	194.5
54.1	87.5°	41.6	57.2	84.3	78.0	54.1	57.2	109.2	146.7	126.9	97.8
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°
2196.2
2252.4
2341.8
2450.0
2549.9
2585.3
2586.3
2540.6
2433.4
2281.5
2122.3
1976.7
1847.7
1686.4
1505.4
1325.4
1164.2
1028.9
894.7
818.8
770.9
737.6
714.7
689.8
647.1
611.7
597.2
596.1
586.8
635.7
630.5
445.3
343.3
263.2
198.7
100.9
0.0

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