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: P948687

Luminaire Tested: **GALN-SB3C-930-U-T2R**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P948687
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-3)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB3C-930-U-T2R
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE II ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	15921 lumens
Efficiency:	N/A
Efficacy:	106.8 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type II - Medium
BUG Rating:	B2 - U0 - G2

Input Watts (W):	149.1
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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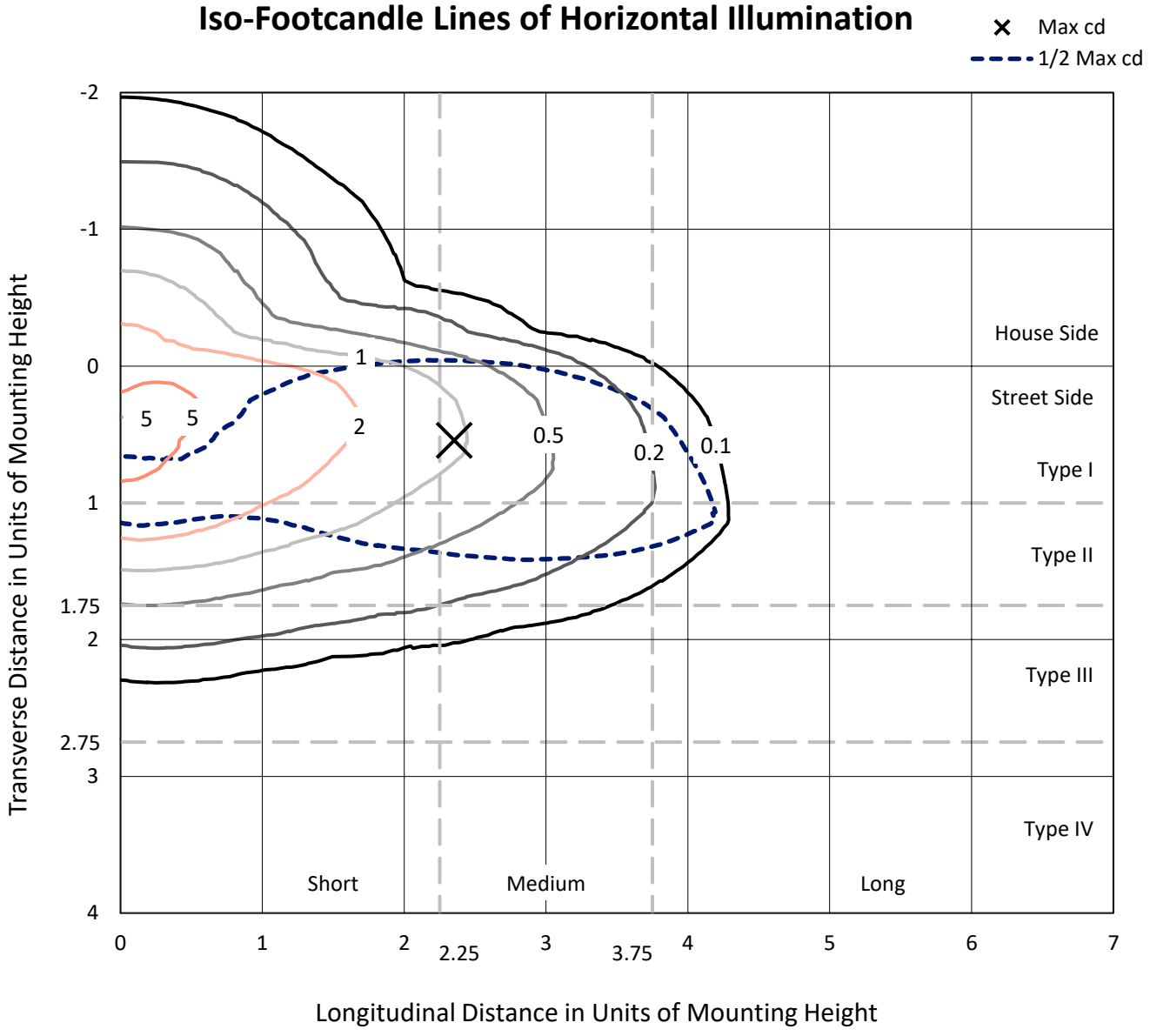
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc
Type II - Medium - N/A

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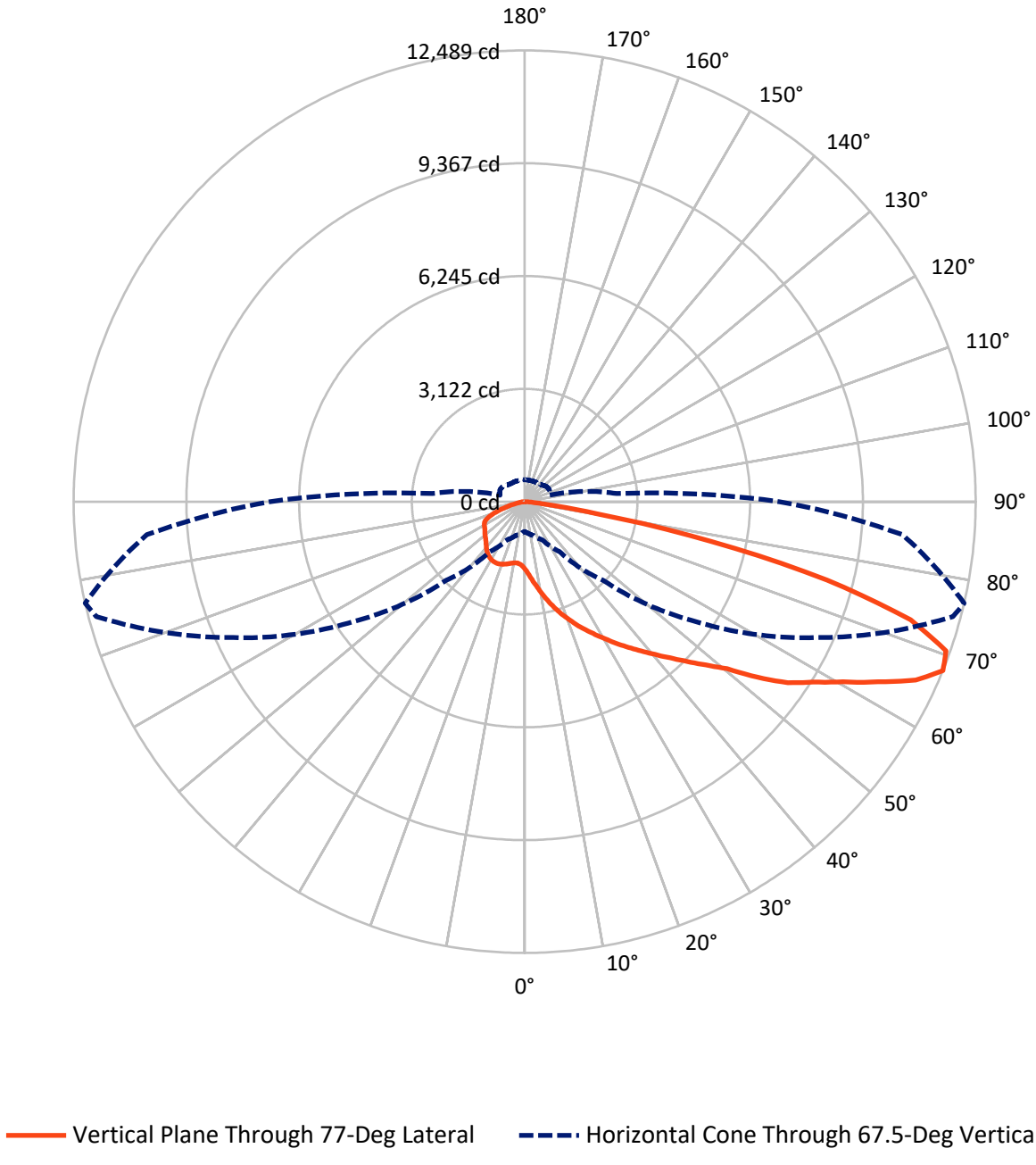
Luminous Intensity Polar Plot



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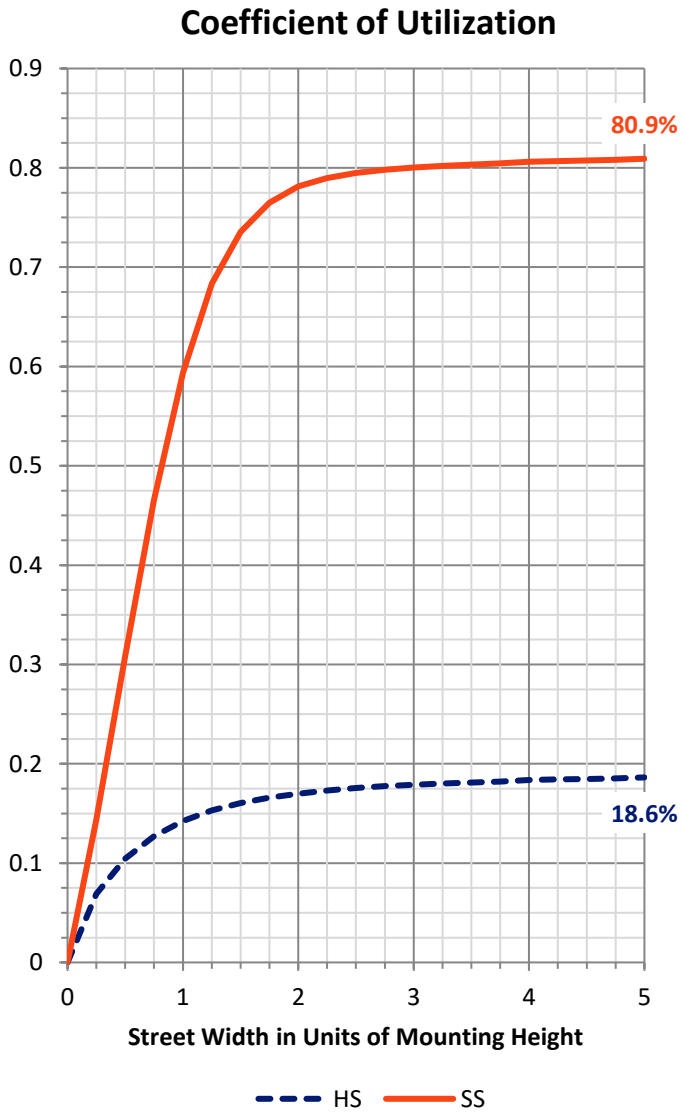
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3011.6	0.0	3011.6
	% Fixture	18.9	0.0	18.9
Street Side	Lumens	12909.4	0.0	12909.4
	% Fixture	81.1	0.0	81.1
Total	Lumens	15921.0	0.0	15921.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	200.2	1.3
10°-20°	719.3	4.5
20°-30°	1358.2	8.5
30°-40°	2188.0	13.7
40°-50°	2992.8	18.8
50°-60°	3375.9	21.2
60°-70°	3151.0	19.8
70°-80°	1727.3	10.8
80°-90°	208.3	1.3
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°	15921.0	100.0
0°-180°	15921.0	100.0



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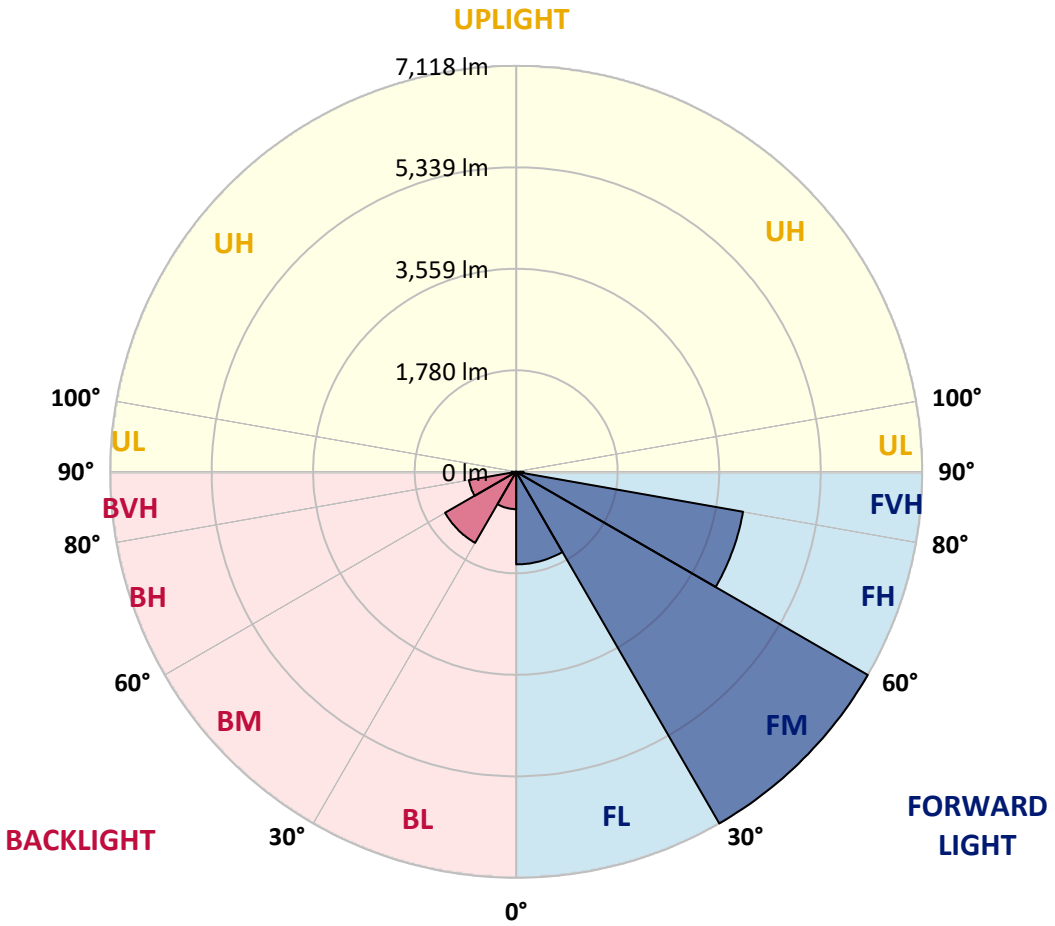
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	1622.9	10.2			
FM	(30°-60°)	7118.1	44.7			
FH	(60°-80°)	4038.0	25.4			G2/5000
FVH	(80°-90°)	130.3	0.8			G2/225
BL	(0°-30°)	654.8	4.1	B2/1000		
BM	(30°-60°)	1438.6	9.0	B2/2500		
BH	(60°-80°)	840.2	5.3	B2/1000		G2/1000
BVH	(80°-90°)	78.1	0.5			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2
Type II Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	*1868.0*
2.5°	2338.9	2355.4	2334.8	2334.8	2265.8	2229.6	2160.6	2108.0	2013.5	*1997.1*
5°	2764.6	2785.2	2756.4	2744.1	2662.7	2588.0	2472.1	2357.8	2189.4	*2172.1*
7.5°	3094.2	3120.5	3095.0	3081.9	3009.6	2925.7	2790.1	2630.7	2393.2	*2359.5*
10°	3362.9	3367.1	3358.8	3363.8	3307.1	3238.0	3099.1	2913.4	2616.7	*2570.7*
12.5°	3515.0	3533.9	3550.3	3579.9	3570.0	3527.3	3402.4	3180.5	2853.4	*2794.2*
15°	3586.5	3619.4	3656.3	3724.6	3779.6	3790.3	3695.0	3467.3	3094.2	*3022.7*
17.5°	3612.0	3643.2	3701.5	3800.2	3918.5	3998.2	3955.5	3745.9	3332.5	*3250.4*
20°	3741.0	3750.0	3785.4	3879.1	4007.3	4139.6	4171.6	4013.8	3568.4	*3475.5*
22.5°	4017.1	3999.0	4008.9	4051.6	4143.7	4271.9	4345.0	4250.5	3810.8	*3704.0*
25°	4473.2	4420.6	4368.0	4318.7	4365.6	4437.9	4520.9	4487.2	4064.8	*3929.2*
27.5°	5049.3	4985.2	4869.4	4707.5	4650.8	4676.2	4713.2	4706.6	4299.8	*4162.6*
30°	5616.4	5541.6	5403.6	5169.3	5019.8	4952.4	4924.4	4905.5	4555.4	*4409.1*
32.5°	6069.2	6010.1	5874.5	5612.3	5395.3	5280.3	5187.4	5120.0	4822.5	*4676.2*
35°	6465.4	6410.3	6255.0	5969.0	5733.1	5610.7	5489.0	5345.2	5100.3	*4952.4*
37.5°	6827.0	6771.9	6559.1	6261.6	6024.0	5939.4	5830.9	5586.8	5378.9	*5239.2*
40°	7055.4	7043.1	6844.2	6507.3	6260.7	6218.8	6182.7	5867.1	5687.9	*5558.1*
42.5°	7113.8	7140.9	6983.1	6706.2	6471.1	6437.4	6522.1	6184.3	6034.7	*5910.6*
45°	6973.3	7051.3	6947.8	6759.6	6620.7	6602.6	6822.9	6531.1	6418.5	*6305.1*
47.5°	6617.4	6749.7	6707.0	6680.7	6661.0	6739.0	7087.5	6899.3	6853.3	*6754.7*
50°	5899.1	6149.8	6224.6	6390.6	6581.2	6845.1	7328.3	7301.2	7361.2	*7261.7*
52.5°	4657.3	5002.5	5436.4	5852.3	6336.3	6809.7	7592.9	7878.1	8131.2	*8077.0*
55°	3844.5	3999.9	4333.5	5096.2	5861.3	6661.0	7712.1	8344.1	8895.5	*8847.0*
57.5°	3219.9	3358.8	3564.3	4201.2	5143.0	6323.2	7786.1	8628.4	9419.0	*9414.1*
60°	2550.1	2697.3	2907.6	3358.8	4303.9	5739.7	7769.6	8952.2	10087.2	*10128.3*
62.5°	1794.1	1956.0	2189.4	2610.1	3446.8	4983.6	7434.3	9186.5	10873.7	*10985.5*
65°	1179.3	1286.2	1462.0	1825.3	2568.2	4011.4	6794.1	9216.9	11715.2	*11904.3*
67.5°	*826.8*	*867.9*	*971.4*	*1168.6*	*1693.0*	*3076.1*	*5774.2*	*8902.1*	*12276.6*	*12489.4*
70°	645.1	665.7	718.3	797.2	1063.5	2068.6	4424.8	8083.6	12156.6	*12378.5*
72.5°	557.2	576.9	596.7	606.5	713.4	1277.1	2997.2	6758.8	11026.5	*11176.9*
75°	505.4	510.4	526.8	523.5	544.1	828.4	1730.0	4924.4	8699.9	*8648.2*
77.5°	424.9	431.5	458.6	454.5	483.2	566.2	898.3	3178.0	5640.2	*5288.5*
80°	360.0	363.3	392.8	387.9	420.0	410.1	458.6	1619.8	2392.4	*2026.6*
82.5°	124.9	154.5	300.0	309.0	320.5	248.2	264.6	660.8	730.6	*559.7*
85°	60.8	64.9	152.9	217.0	216.1	124.9	129.0	235.9	230.1	*180.8*
87.5°	9.9	12.3	18.1	84.6	67.4	32.9	44.4	46.0	47.7	*41.1*
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°
1868.0	0°	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0	1868.0
1934.6	2.5°	1888.6	1847.5	1761.2	1681.5	1619.0	1559.0	1525.3	1496.6	1480.1	1476.8
2025.0	5°	1939.5	1854.9	1697.9	1565.6	1479.3	1415.2	1381.5	1360.1	1349.5	1342.9
2146.6	7.5°	2012.7	1888.6	1665.0	1514.6	1424.2	1378.2	1361.0	1357.7	1356.8	1357.7
2293.7	10°	2113.8	1943.6	1661.7	1502.3	1426.7	1401.2	1400.4	1401.2	1404.5	1405.3
2454.0	12.5°	2223.1	2000.3	1674.9	1513.0	1457.9	1444.0	1441.5	1440.7	1443.1	1444.8
2615.9	15°	2342.2	2075.1	1697.1	1536.0	1492.4	1477.7	1475.2	1470.3	1469.4	1468.6
2786.0	17.5°	2464.7	2149.1	1721.7	1560.7	1514.6	1494.1	1485.1	1473.5	1464.5	1462.0
2961.9	20°	2588.8	2222.2	1739.0	1573.0	1516.3	1487.5	1469.4	1449.7	1434.1	1425.1
3139.4	22.5°	2721.1	2298.7	1749.7	1569.7	1501.5	1462.0	1429.2	1406.2	1382.3	1366.7
3318.6	25°	2850.1	2365.2	1748.9	1552.4	1472.7	1422.6	1380.7	1351.1	1318.2	1301.8
3503.5	27.5°	2974.2	2425.2	1728.3	1522.0	1431.6	1375.7	1325.6	1290.3	1258.2	1242.6
3690.0	30°	3102.4	2475.4	1696.3	1477.7	1383.1	1321.5	1266.4	1236.0	1207.3	1192.5
3887.3	32.5°	3229.8	2521.4	1651.1	1422.6	1327.3	1268.1	1213.8	1185.9	1168.6	1168.6
4099.3	35°	3364.6	2553.4	1591.1	1358.5	1268.1	1211.4	1168.6	1152.2	1150.6	1140.7
4323.7	37.5°	3506.8	2574.0	1517.9	1292.7	1209.7	1156.3	1143.2	1123.4	1107.0	1085.6
4570.2	40°	3656.3	2594.5	1430.0	1224.5	1148.1	1118.5	1112.8	1086.5	1039.6	987.0
4849.6	42.5°	3838.0	2608.5	1338.8	1156.3	1083.2	1073.3	1081.5	1036.3	961.5	922.1
5186.6	45°	4048.4	2631.5	1254.9	1088.9	1016.6	1016.6	1051.1	992.0	930.3	905.7
5571.2	47.5°	4321.2	2684.9	1176.9	1015.0	955.0	971.4	983.7	938.5	904.0	873.6
6039.7	50°	4715.7	2813.1	1096.3	940.2	908.1	941.0	923.7	897.4	857.2	832.5
6784.2	52.5°	5205.5	2888.7	1024.8	872.8	867.9	900.7	876.1	851.4	821.0	788.1
7348.8	55°	5539.2	2902.7	964.8	823.5	840.7	837.4	828.4	806.2	789.8	746.2
7906.0	57.5°	5912.3	2930.7	915.5	793.9	823.5	787.3	784.0	765.1	743.8	714.2
8585.7	60°	6358.5	2974.2	872.8	782.4	808.7	754.4	738.0	730.6	709.2	694.4
9403.4	62.5°	6845.1	3013.7	829.2	784.0	791.4	722.4	697.7	695.3	682.1	677.2
10171.0	65°	7177.1	2906.0	775.0	782.4	764.3	689.5	658.3	657.5	646.8	645.1
10503.9	67.5°	*7061.2*	*2564.9*	*701.8*	*759.4*	*736.4*	*656.6*	*622.1*	*618.8*	*604.9*	*605.7*
10156.2	70°	6481.0	2078.4	600.8	702.7	701.8	627.1	584.3	573.6	554.7	558.0
8830.6	72.5°	5392.9	1540.1	465.2	608.2	646.8	599.9	540.8	523.5	499.7	503.0
6518.8	75°	3894.7	1047.0	338.6	462.7	563.0	567.9	498.0	468.4	439.7	444.6
3628.4	77.5°	1992.9	593.4	249.0	318.9	442.1	516.1	459.4	420.0	413.4	459.4
1046.2	80°	650.1	297.5	172.6	223.5	290.1	422.4	402.7	357.5	355.9	366.5
219.4	82.5°	194.0	125.7	110.9	147.1	160.3	323.8	347.6	270.4	232.6	244.9
73.1	85°	66.6	60.8	63.3	73.1	76.4	189.8	243.3	179.2	169.3	186.6
16.4	87.5°	15.6	21.4	18.1	16.4	16.4	46.0	94.5	74.8	103.6	69.0
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°
1868.0
1476.8
1342.1
1360.1
1406.2
1445.6
1467.8
1464.5
1428.3
1367.5
1301.8
1241.8
1191.7
1169.5
1138.2
1082.4
979.6
922.9
909.8
872.8
830.1
781.6
747.0
704.3
698.6
677.2
644.3
605.7
561.3
502.1
446.3
452.8
314.8
253.1
184.1
66.6
0.0

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