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: P940237

Luminaire Tested: **GALN-SB3A-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:	P940237
	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-SB3A-950-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(3) 90 CRI, 5000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	9369 lumens
Efficiency:	N/A
Efficacy:	110.6 lumens/watt
Luminous Opening:	Rectangular (W 1' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B2 - U0 - G2

Input Watts (W):	84.7
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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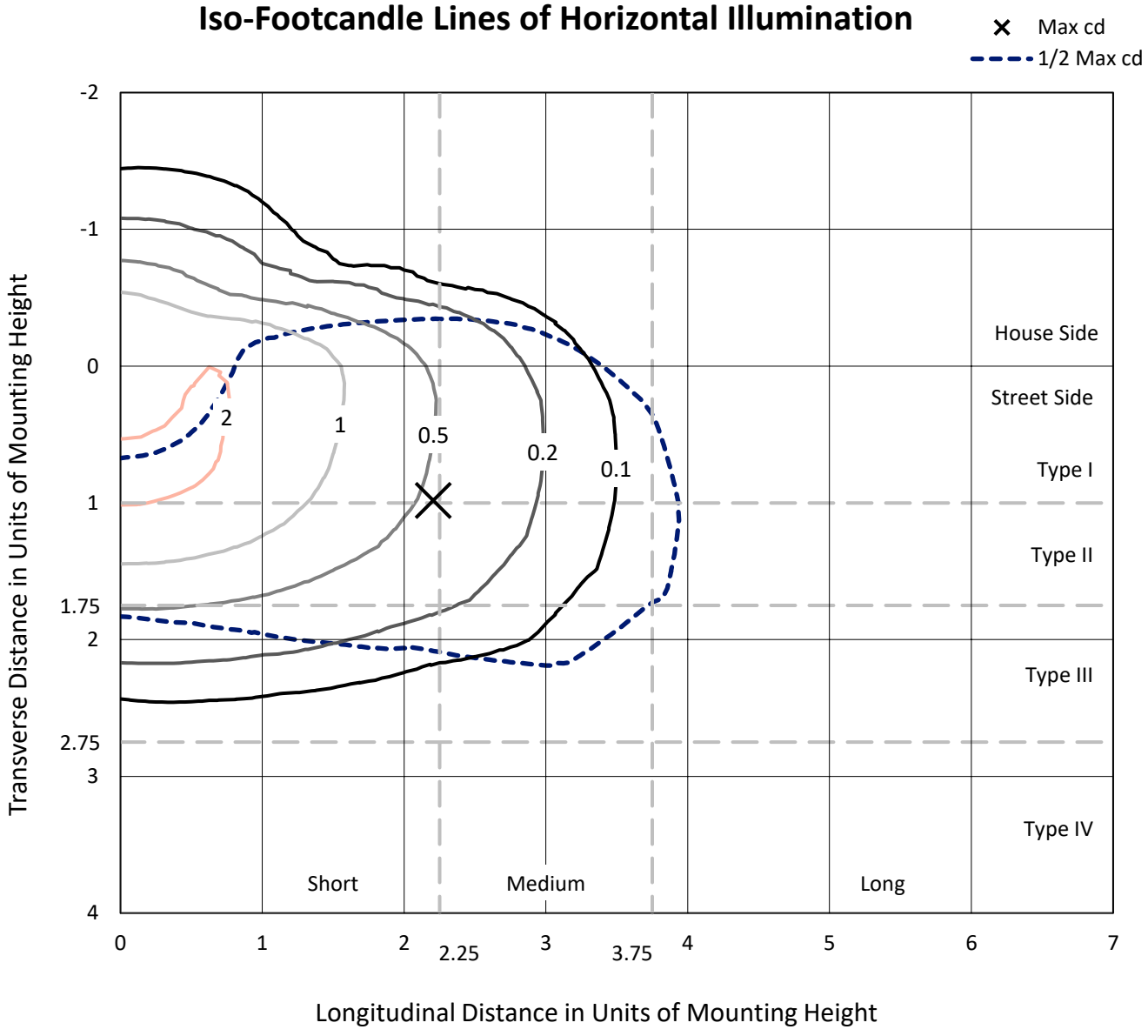
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 2.4 fc
Type III - Short - N/A

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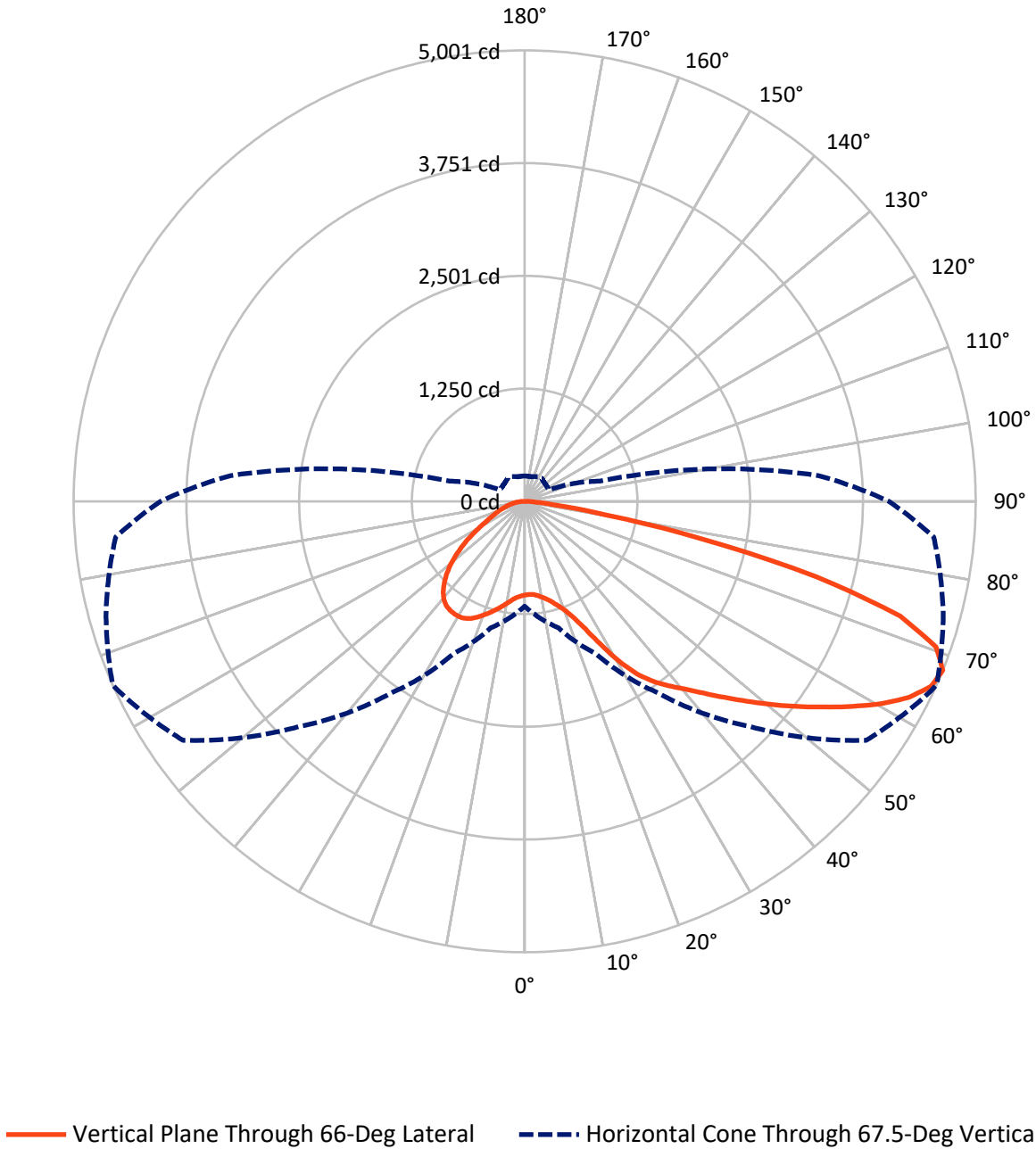
Luminous Intensity Polar Plot



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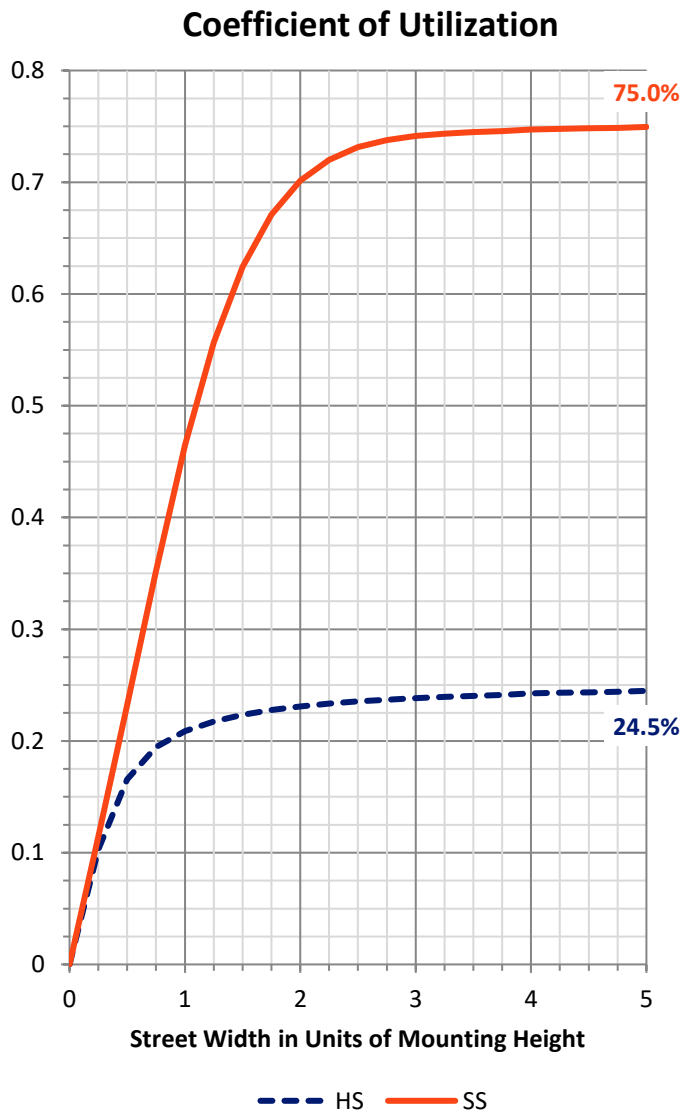
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2329.6	0.0	2329.6
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	7039.4	0.0	7039.4
	% Fixture	75.1	0.0	75.1
Total	Lumens	9369.0	0.0	9369.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	103.0	1.1
10°-20°	340.4	3.6
20°-30°	656.1	7.0
30°-40°	1150.4	12.3
40°-50°	1710.2	18.3
50°-60°	2167.8	23.1
60°-70°	2121.2	22.6
70°-80°	1011.8	10.8
80°-90°	108.1	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°	9369.0	100.0
0°-180°	9369.0	100.0



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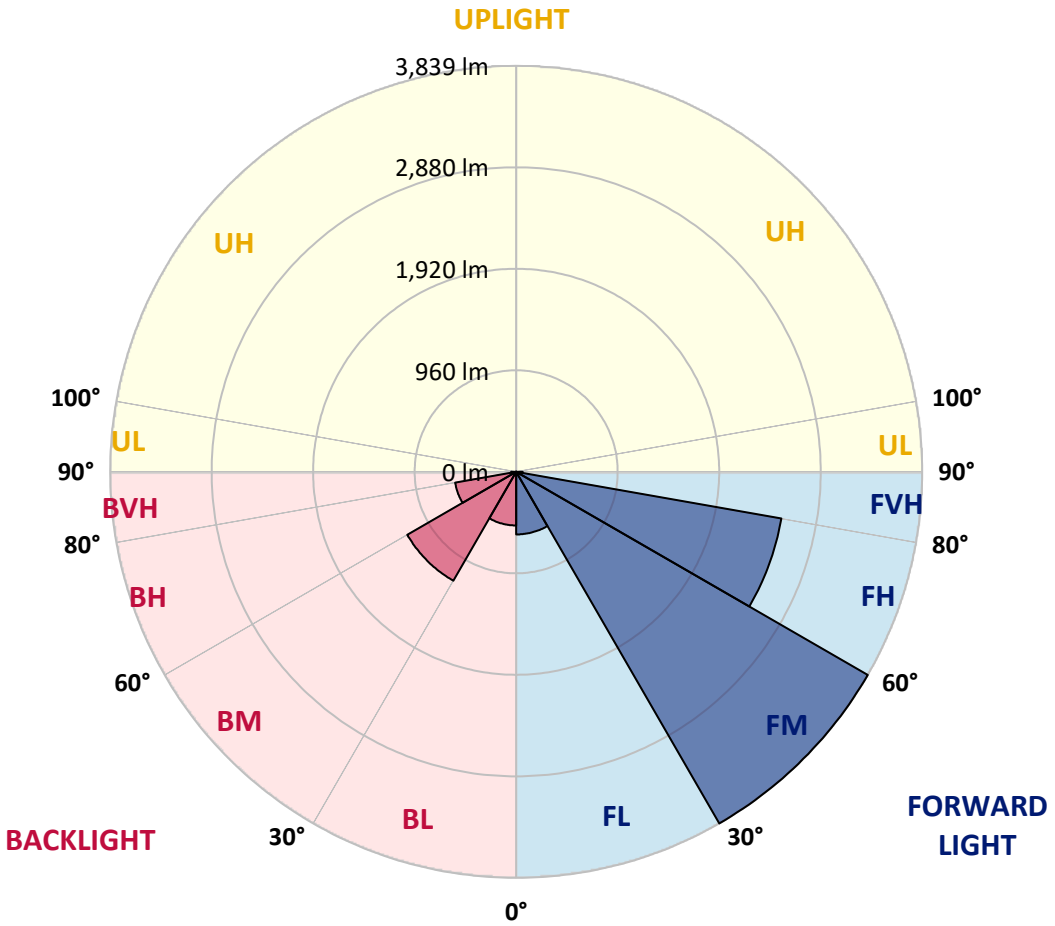
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	592.0	6.3			
FM	(30°-60°)	3839.3	41.0			
FH	(60°-80°)	2546.7	27.2			G2/5000
FVH	(80°-90°)	61.3	0.7			G1/100
BL	(0°-30°)	507.5	5.4	B2/1000		
BM	(30°-60°)	1189.0	12.7	B2/2500		
BH	(60°-80°)	586.2	6.3	B2/1000		G2/1000
BVH	(80°-90°)	46.8	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 III Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	*1039.1*	1039.1
2.5°	1028.3	1034.2	1032.7	1030.3	1029.8	1030.8	1032.3	1033.7	*1033.2*	1035.7
5°	1025.4	1031.3	1030.8	1030.8	1032.7	1036.7	1039.1	1041.6	*1039.1*	1042.1
7.5°	1027.3	1031.8	1033.7	1035.7	1040.6	1048.0	1053.9	1059.3	*1056.4*	1059.8
10°	1052.4	1055.9	1057.9	1057.9	1061.3	1069.7	1075.6	1085.4	*1083.0*	1088.4
12.5°	1098.2	1101.7	1101.7	1099.7	1102.2	1107.6	1109.5	1120.4	*1115.9*	1124.8
15°	1154.3	1161.2	1155.8	1152.4	1153.3	1158.8	1158.3	1166.6	*1162.2*	1169.6
17.5°	1216.4	1225.2	1216.4	1215.9	1213.9	1219.8	1220.3	1227.7	*1219.8*	1225.2
20°	1289.7	1302.0	1294.6	1297.1	1292.7	1295.1	1297.6	1308.4	*1296.1*	1300.0
22.5°	1393.1	1407.8	1400.0	1409.3	1406.4	1404.4	1403.9	1423.1	*1403.9*	1405.4
25°	1543.7	1561.4	1547.6	1560.4	1560.4	1566.8	1574.2	1598.8	*1566.8*	1557.5
27.5°	1766.2	1783.9	1756.9	1764.7	1762.3	1778.0	1770.1	1831.2	*1796.7*	1781.5
30°	2034.0	2065.5	2014.3	2012.3	2009.9	2035.0	2046.3	2086.7	*2051.7*	2036.5
32.5°	2323.4	2356.4	2295.4	2277.7	2268.3	2283.6	2274.2	2306.7	*2282.6*	2258.9
35°	2629.6	2662.1	2604.0	2569.6	2532.1	2500.2	2466.7	2475.0	*2452.4*	2416.5
37.5°	2919.1	2978.6	2917.1	2880.2	2811.3	2748.7	2655.2	2616.3	*2595.2*	2562.2
40°	3213.9	3247.9	3201.1	3169.6	3094.8	2996.8	2847.2	2765.0	*2736.4*	2704.4
42.5°	3431.0	3463.5	3438.4	3416.7	3358.1	3244.4	3051.0	2948.1	*2906.8*	2870.8
45°	3603.3	3627.4	3611.7	3619.5	3594.4	3484.2	3262.2	3144.5	*3101.7*	3057.9
47.5°	3672.7	3698.3	3723.4	3770.2	3813.0	3731.8	3489.1	3357.2	*3311.9*	3267.1
50°	3664.8	3690.9	3763.8	3863.2	3996.1	3969.0	3728.3	3583.6	*3541.8*	3490.6
52.5°	3601.8	3631.3	3724.9	3890.3	4101.9	4146.7	3972.0	3817.4	*3778.0*	3717.0
55°	3436.4	3454.1	3594.4	3828.7	4127.0	4270.8	4210.7	4066.5	*4027.1*	3942.0
57.5°	3129.7	3155.3	3359.6	3662.9	4064.0	4355.0	4420.4	4328.4	*4290.5*	4167.9
60°	2729.5	2770.4	3004.2	3384.2	3903.6	4354.5	4610.9	4585.8	*4554.3*	4390.4
62.5°	2276.7	2323.9	2548.9	2990.4	3623.0	4230.9	4730.1	4801.4	*4785.2*	4595.7
65°	1748.5	1781.0	2004.9	2481.0	3186.4	3965.6	4743.8	4948.6	*4951.6*	4751.7
67.5°	*1164.2*	*1257.7*	*1452.1*	*1861.7*	*2601.6*	*3531.9*	*4622.7*	*4972.7*	*5001.3*	*4805.4*
70°	568.1	691.1	881.6	1210.0	1861.7	2866.9	4306.2	4774.9	*4838.4*	4648.8
72.5°	235.8	275.7	379.5	597.1	1068.7	1934.6	3670.2	4238.3	*4355.9*	4119.2
75°	159.0	172.3	217.1	306.2	486.8	954.0	2646.8	3160.3	*3349.8*	3111.0
77.5°	122.6	130.9	158.0	214.1	289.4	360.8	1416.7	1904.5	*2002.5*	1853.8
80°	96.5	102.9	118.1	156.0	205.3	193.0	482.9	862.9	*919.5*	771.4
82.5°	83.7	86.1	84.7	105.8	136.4	112.7	158.5	318.5	*351.5*	255.0
85°	60.5	67.4	70.4	65.5	72.4	57.1	65.0	112.7	*124.0*	110.8
87.5°	24.6	36.4	44.8	42.3	26.6	16.2	20.2	33.0	*37.9*	41.3
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°
1039.1	0°	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1	1039.1
1039.6	2.5°	1040.1	1043.6	1046.0	1049.0	1051.0	1053.9	1059.8	1063.3	1063.8	1066.2
1047.5	5°	1049.5	1054.4	1059.8	1067.7	1076.6	1083.9	1095.3	1103.1	1106.1	1108.6
1066.7	7.5°	1069.7	1076.6	1086.4	1100.2	1113.0	1122.8	1136.6	1146.0	1155.3	1158.8
1097.2	10°	1099.7	1109.5	1123.8	1142.5	1156.3	1169.1	1183.4	1191.3	1200.6	1204.5
1133.7	12.5°	1137.1	1147.4	1166.1	1192.2	1205.0	1213.9	1218.8	1216.8	1218.8	1222.3
1177.5	15°	1179.9	1191.3	1212.4	1240.5	1249.3	1241.5	1230.6	1220.8	1219.3	1220.3
1230.6	17.5°	1230.6	1239.0	1263.6	1287.2	1280.8	1248.4	1224.7	1209.0	1201.1	1198.6
1298.6	20°	1301.5	1301.5	1321.7	1336.5	1293.6	1238.5	1201.6	1176.0	1159.7	1152.9
1391.1	22.5°	1387.7	1379.8	1392.6	1382.2	1291.2	1210.9	1159.7	1115.4	1090.8	1081.0
1520.6	25°	1496.9	1487.6	1484.1	1420.1	1273.5	1167.1	1083.9	1030.3	1008.6	1003.2
1707.1	27.5°	1661.8	1638.2	1593.4	1440.8	1241.0	1098.2	995.3	945.6	933.3	933.8
1946.9	30°	1881.4	1834.1	1724.4	1444.3	1187.8	1000.8	904.8	869.3	863.4	865.9
2148.2	32.5°	2084.7	2039.9	1858.3	1428.5	1106.1	905.3	823.5	799.9	791.1	794.0
2301.8	35°	2244.2	2231.9	1982.3	1406.4	1005.7	815.7	750.7	730.5	713.3	709.3
2446.5	37.5°	2394.8	2389.9	2075.3	1375.4	906.2	752.2	692.1	665.5	640.4	626.6
2606.5	40°	2560.2	2555.3	2136.4	1327.6	818.1	697.0	639.4	604.5	573.5	548.4
2787.6	42.5°	2746.3	2717.2	2165.4	1259.2	743.3	650.3	596.6	549.4	508.5	485.4
2992.4	45°	2949.6	2884.1	2164.9	1172.1	680.3	607.4	550.8	483.9	446.0	424.3
3202.6	47.5°	3165.2	3043.6	2138.3	1075.6	619.3	560.2	479.9	428.8	403.6	390.4
3431.0	50°	3387.7	3192.8	2093.1	964.8	556.7	506.5	435.6	400.7	381.5	369.2
3657.4	52.5°	3596.9	3328.1	2038.4	839.3	493.2	454.3	416.0	388.9	368.7	354.9
3877.0	55°	3791.3	3444.8	1961.1	710.8	441.6	419.4	406.6	384.0	360.8	344.6
4100.0	57.5°	3964.1	3520.6	1827.7	590.2	404.6	395.3	396.8	375.6	349.0	335.2
4319.5	60°	4107.9	3576.2	1630.3	478.5	374.6	371.7	381.5	359.8	328.8	313.1
4505.1	62.5°	4194.0	3575.2	1388.2	391.8	349.0	350.0	361.3	340.1	308.6	293.9
4602.1	65°	4186.6	3487.6	1122.3	335.2	324.4	325.4	340.1	318.5	291.9	283.0
4553.3	67.5°	*4038.4*	*3274.0*	*861.0*	*298.3*	*297.3*	*301.8*	*319.0*	*303.7*	*281.6*	*280.6*
4262.9	70°	3637.3	2830.5	620.2	268.8	269.3	275.7	298.3	294.4	276.2	278.1
3584.1	72.5°	2916.6	2158.0	416.4	237.8	238.3	248.6	278.6	287.0	270.7	296.8
2543.0	75°	1942.4	1345.8	267.8	204.8	205.3	218.6	261.4	272.7	256.0	295.8
1323.2	77.5°	933.3	605.0	193.9	172.3	172.3	184.6	225.9	244.2	218.1	229.9
425.3	80°	322.4	227.4	152.6	138.8	135.9	144.2	190.5	211.7	188.0	173.3
138.8	82.5°	127.0	118.1	122.6	107.8	98.0	103.4	148.2	174.7	138.3	125.0
78.3	85°	72.9	76.8	86.6	71.4	56.6	63.5	108.8	125.5	104.4	92.1
25.6	87.5°	19.7	27.1	39.9	36.9	25.6	27.1	51.7	69.4	60.1	46.3
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°
1039.1
1065.7
1108.1
1159.3
1206.5
1223.2
1223.7
1202.1
1151.4
1079.5
1004.2
935.3
874.2
797.9
712.3
627.1
550.8
486.8
423.3
387.4
364.8
349.0
338.2
326.4
306.2
289.4
282.6
282.1
277.6
300.8
298.3
210.7
162.4
124.5
94.0
47.7
0.0

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