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: P945289

Luminaire Tested: **GALN-SB1B-740-U-T3R**

Issue Date: 1/21/2025

Report Generated By 670246001

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Test Information

Test Method:	LM-79-08
Report Number:	P945289
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1B-740-U-T3R
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 70 CRI, 4000K, 450mA LIGHTSQUARE WITH 26 LEDS AND TYPE III ROADWAY OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	6118 lumens
Efficiency:	N/A
Efficacy:	153.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type III - Medium
BUG Rating:	B1 - U0 - G2

Input Watts (W):	39.8
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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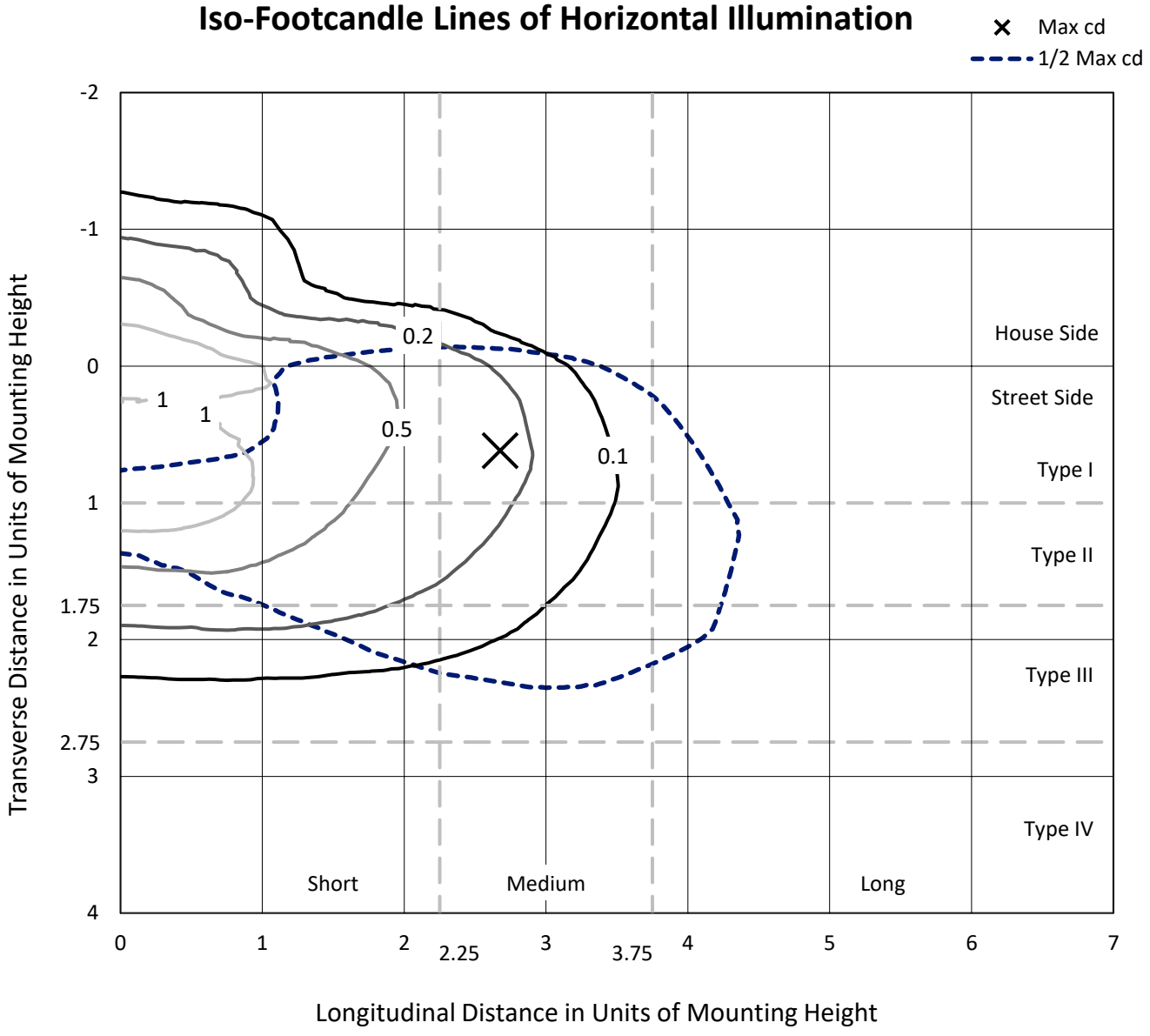
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
Type III - Medium - N/A

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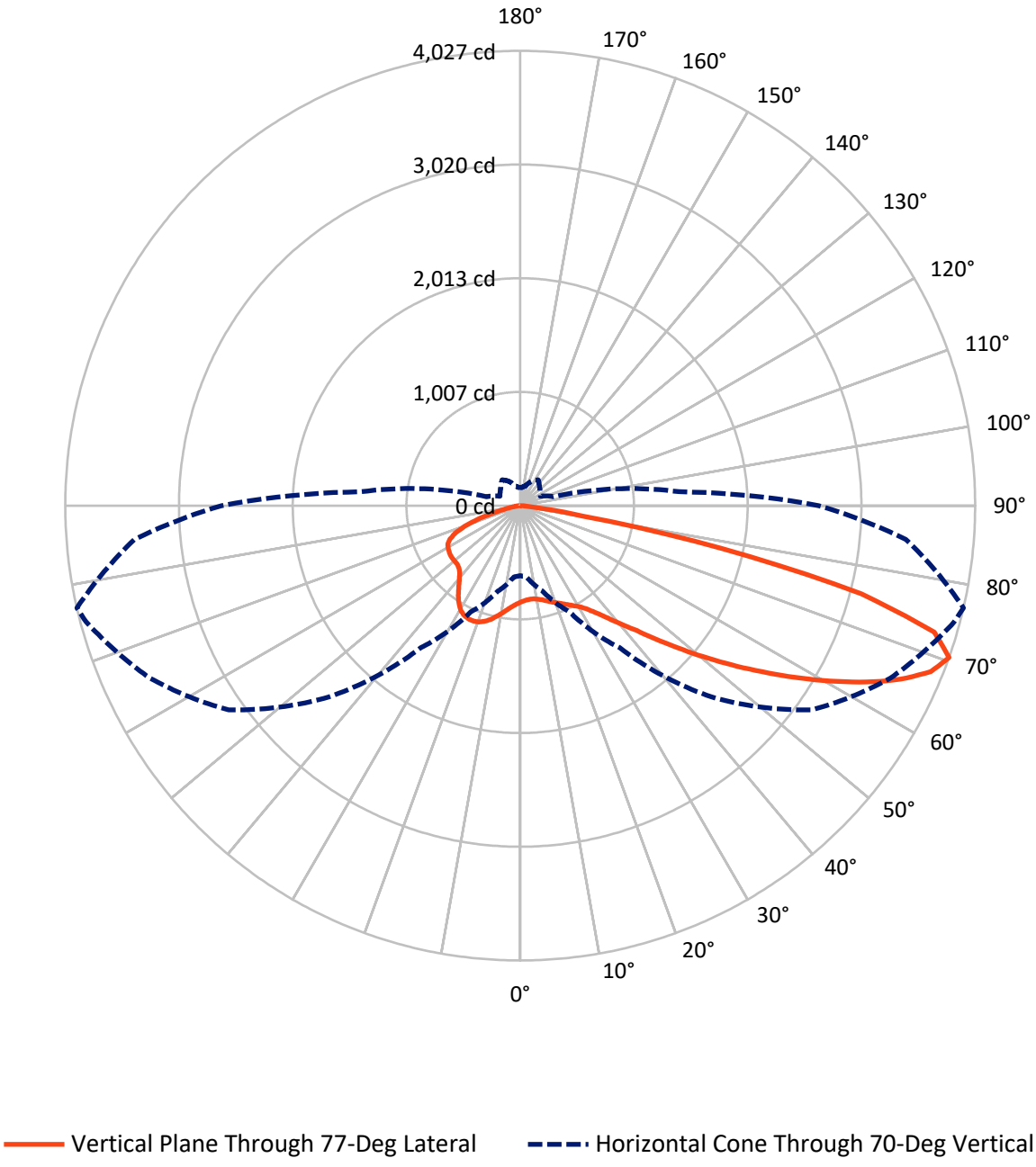
Luminous Intensity Polar Plot



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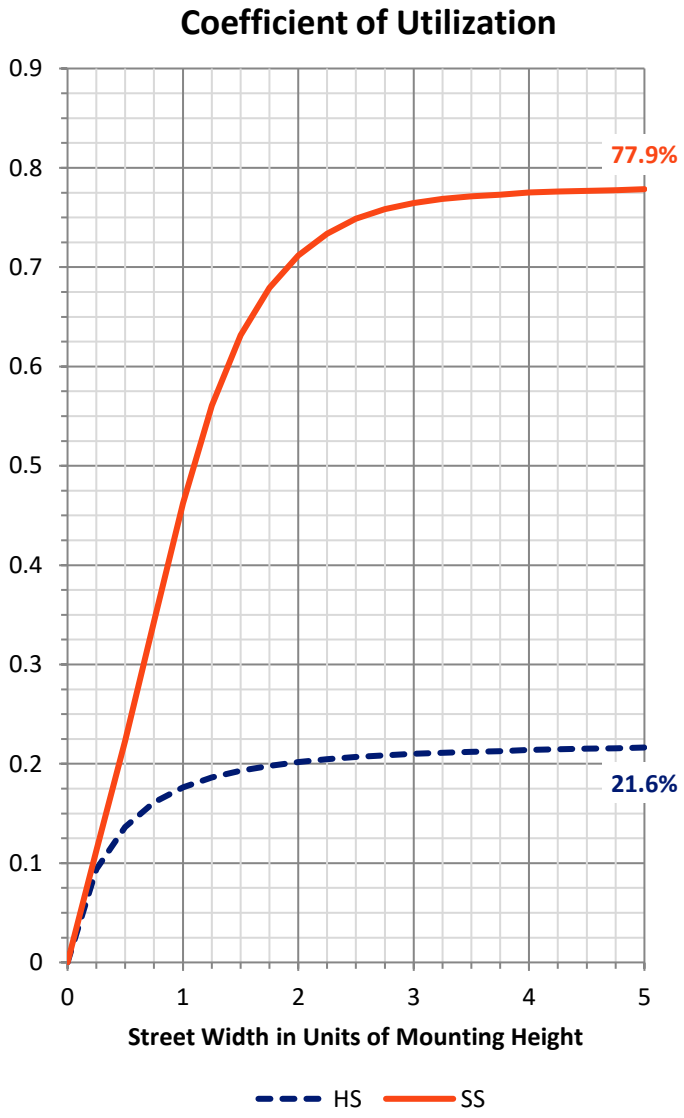
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1339.7	0.0	1339.7
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	4778.3	0.0	4778.3
	% Fixture	78.1	0.0	78.1
Total	Lumens	6118.0	0.0	6118.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	81.4	1.3
10°-20°	234.9	3.8
20°-30°	401.8	6.6
30°-40°	646.1	10.6
40°-50°	1008.7	16.5
50°-60°	1347.4	22.0
60°-70°	1436.1	23.5
70°-80°	884.1	14.5
80°-90°	77.5	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°	6118.0	100.0
0°-180°	6118.0	100.0



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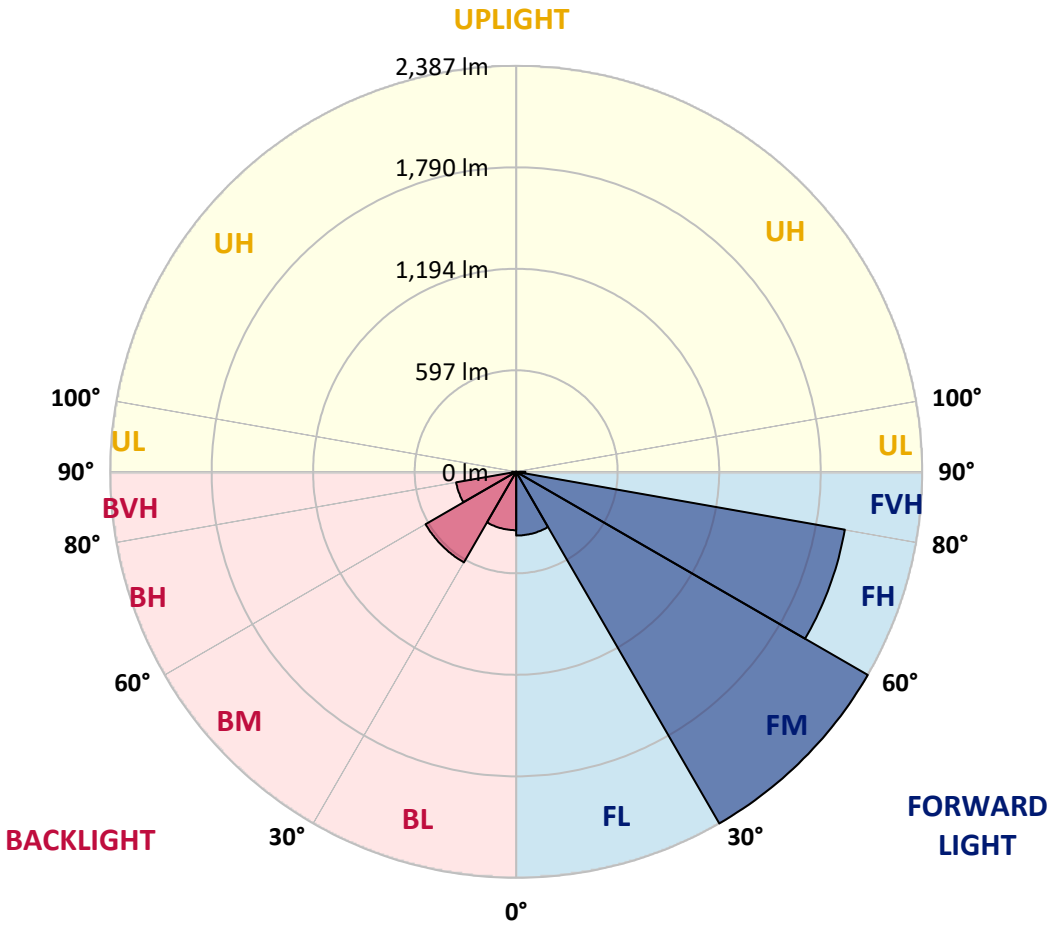
LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	374.8	6.1			
FM	(30°-60°)	2387.1	39.0			
FH	(60°-80°)	1962.1	32.1			G2/5000
FVH	(80°-90°)	54.2	0.9			G1/100
BL	(0°-30°)	343.3	5.6	B1/500		
BM	(30°-60°)	615.1	10.1	B1/1000		
BH	(60°-80°)	358.1	5.9	B1/500		G1/500
BVH	(80°-90°)	23.3	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G2
Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	77°
0°	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	*853.5*
2.5°	786.8	786.5	790.5	791.8	799.3	804.6	814.7	825.3	839.1	*840.7*
5°	741.3	741.3	746.0	751.1	760.8	771.4	786.8	805.3	829.1	*832.8*
7.5°	702.8	705.3	709.4	719.1	730.4	745.7	769.2	795.6	826.9	*832.8*
10°	671.8	674.6	679.6	687.5	704.4	725.7	756.4	790.2	832.2	*841.6*
12.5°	662.1	664.9	667.7	673.7	689.3	714.4	751.1	792.7	845.1	*854.5*
15°	684.6	688.1	685.9	684.3	692.5	715.3	753.6	801.8	861.0	*874.5*
17.5°	736.6	737.9	732.9	718.2	716.9	729.1	765.5	814.4	881.1	*895.8*
20°	820.6	818.4	808.1	778.9	762.3	759.8	785.8	833.2	901.8	*917.4*
22.5°	934.7	932.2	911.5	865.4	828.5	804.0	815.3	857.6	925.0	*942.5*
25°	1076.9	1073.5	1043.1	980.4	923.1	862.6	855.4	889.9	953.5	*969.8*
27.5°	1243.0	1240.2	1207.3	1124.5	1041.8	942.8	905.2	927.8	983.2	*1001.7*
30°	1421.6	1429.7	1371.5	1282.5	1177.8	1047.5	972.3	974.5	1021.8	*1038.4*
32.5°	1631.5	1645.6	1575.4	1462.6	1319.8	1161.2	1056.9	1039.6	1077.9	*1091.6*
35°	1839.6	1855.6	1797.3	1672.6	1508.1	1295.3	1145.2	1114.5	1152.4	*1167.5*
37.5°	2019.4	2040.7	2010.7	1902.2	1709.5	1457.0	1260.5	1202.6	1244.2	*1263.0*
40°	2161.4	2194.0	2191.8	2124.1	1947.0	1653.1	1406.9	1311.3	1358.3	*1378.7*
42.5°	2276.7	2304.9	2329.3	2325.9	2194.9	1875.9	1578.9	1452.6	1488.3	*1511.8*
45°	2356.3	2386.3	2439.0	2495.7	2433.3	2114.4	1776.0	1620.2	1652.8	*1688.2*
47.5°	2427.4	2461.5	2529.8	2619.8	2635.8	2353.8	1991.9	1815.4	1845.2	*1881.9*
50°	2433.7	2463.1	2569.0	2696.5	2779.6	2583.7	2223.7	2034.5	2062.4	*2101.5*
52.5°	2282.3	2328.7	2513.6	2694.3	2845.7	2776.1	2454.0	2262.3	2293.6	*2340.6*
55°	1771.6	1839.6	2350.9	2610.4	2822.2	2900.5	2673.0	2504.5	2544.6	*2593.8*
57.5°	1525.9	1555.7	1866.2	2457.5	2715.0	2932.8	2857.9	2749.2	2813.7	*2867.6*
60°	1371.5	1396.2	1579.8	2219.6	2574.0	2881.7	3000.8	2977.3	3088.8	*3153.1*
62.5°	1206.0	1229.5	1396.5	1853.4	2393.5	2796.8	3091.0	3187.8	3370.8	*3441.0*
65°	1041.8	1061.9	1222.0	1557.3	2164.2	2711.9	3137.7	3369.9	3631.8	*3704.5*
67.5°	858.8	875.5	1026.8	1313.8	1885.3	2595.6	3160.9	3513.1	3859.0	*3921.4*
70°	*619.8*	*632.6*	*789.0*	*1039.0*	*1535.3*	*2395.7*	*3151.5*	*3614.6*	*3976.8*	*4026.6*
72.5°	293.0	304.6	488.2	674.6	1084.4	2006.6	2961.3	3534.1	3857.1	*3832.4*
75°	156.4	166.4	280.4	370.0	572.8	1375.5	2423.3	3044.3	3238.9	*3118.6*
77.5°	105.9	113.7	173.6	222.2	261.6	653.0	1557.6	2107.8	2027.9	*1829.2*
80°	84.0	92.1	142.3	150.4	126.6	235.9	643.6	975.7	700.9	*560.6*
82.5°	64.5	73.6	119.7	109.0	68.9	96.8	187.4	308.6	179.5	*136.6*
85°	39.5	49.2	94.0	69.6	38.9	44.2	63.6	85.9	54.8	*45.7*
87.5°	20.1	28.2	47.6	25.4	17.5	10.3	16.9	16.9	14.4	*12.5*
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°
853.5	0°	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5	853.5
849.1	2.5°	856.7	862.9	873.6	883.6	891.4	898.9	906.5	910.5	911.8	916.8
853.8	5°	866.7	878.3	898.9	918.4	930.6	938.1	943.4	946.6	947.2	948.8
866.7	7.5°	885.2	903.6	932.5	951.9	961.0	960.4	958.2	950.3	947.2	944.4
885.5	10°	911.2	935.6	971.0	984.5	978.8	963.8	944.4	921.5	910.9	900.5
911.2	12.5°	943.4	974.5	1009.2	1008.6	980.7	942.2	897.1	862.0	839.7	823.8
942.8	15°	982.6	1018.3	1045.0	1023.7	962.6	893.3	827.2	781.5	761.4	743.9
974.8	17.5°	1023.0	1061.3	1073.5	1019.0	916.8	820.9	746.0	710.0	690.3	680.9
1009.2	20°	1062.5	1100.4	1090.4	992.0	847.3	738.8	672.1	652.4	648.3	650.5
1042.8	22.5°	1104.2	1138.0	1093.8	940.0	758.6	654.9	618.2	618.8	627.9	634.5
1077.9	25°	1146.8	1169.7	1084.8	864.8	663.3	593.1	584.1	594.1	611.9	624.8
1117.3	27.5°	1187.8	1197.9	1065.0	771.7	581.5	549.0	550.5	571.2	598.2	616.0
1165.3	30°	1234.2	1222.9	1027.1	667.1	524.8	511.0	524.2	548.3	575.3	591.3
1225.8	32.5°	1286.5	1244.6	966.9	570.3	484.7	480.7	502.3	517.9	529.8	534.5
1306.0	35°	1351.7	1274.9	889.9	502.3	448.7	458.4	479.1	471.3	466.6	464.0
1413.8	37.5°	1436.3	1316.0	799.6	458.1	419.6	442.4	450.9	426.4	408.0	398.9
1544.4	40°	1538.1	1376.2	712.8	423.9	401.1	428.6	413.9	384.5	361.0	348.1
1691.4	42.5°	1651.3	1439.1	639.8	398.2	390.7	417.4	386.7	351.6	313.6	309.6
1866.5	45°	1770.0	1504.0	590.0	378.5	385.7	407.6	371.0	314.3	287.3	303.9
2042.3	47.5°	1888.8	1563.5	559.9	363.8	383.2	396.7	357.2	293.6	274.5	298.6
2230.6	50°	2021.0	1616.8	546.5	353.1	380.4	392.3	336.5	288.3	261.0	277.0
2425.5	52.5°	2152.3	1658.2	536.4	342.5	376.3	388.8	326.5	282.0	244.7	245.7
2621.7	55°	2283.3	1685.1	525.5	328.4	367.2	381.3	325.6	275.1	232.5	228.1
2829.1	57.5°	2423.0	1700.5	512.0	312.7	351.6	362.2	324.6	269.8	228.7	221.5
3041.2	60°	2565.3	1723.0	494.4	293.6	330.6	339.3	322.4	267.9	226.5	214.3
3241.1	62.5°	2692.8	1730.8	473.4	275.4	303.6	316.8	317.7	266.3	220.6	199.6
3407.2	65°	2776.4	1697.0	436.8	254.7	274.5	293.6	308.6	261.0	209.9	188.9
3489.3	67.5°	2773.0	1600.5	379.4	228.1	246.3	267.9	295.5	251.9	197.1	175.8
3427.2	70°	*2643.9*	*1410.0*	*306.8*	*197.1*	*215.3*	*240.3*	*278.6*	*238.4*	*181.7*	*161.4*
3047.5	72.5°	2267.6	1103.6	222.8	160.7	179.2	211.8	256.6	222.2	166.1	148.5
2252.2	75°	1619.9	698.4	151.0	123.5	139.4	179.5	229.4	203.0	151.7	149.1
1128.0	77.5°	827.5	333.7	100.0	90.2	97.1	141.6	192.7	181.4	153.8	123.1
320.9	80°	269.2	123.1	63.0	61.4	64.5	94.3	149.1	148.8	116.6	83.7
77.7	82.5°	85.9	53.0	41.0	39.5	37.9	59.2	104.0	117.8	78.6	53.0
27.9	85°	34.2	31.6	24.1	22.2	16.0	27.9	54.5	78.3	58.6	38.2
7.2	87.5°	12.5	12.5	6.6	4.7	3.4	9.4	14.7	23.5	33.5	19.7
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°
853.5
919.6
951.3
945.0
897.4
820.0
742.0
683.7
649.5
636.1
628.2
620.4
595.0
537.1
466.6
401.1
349.1
313.6
312.7
309.9
288.9
252.2
231.2
222.5
215.3
199.6
188.9
176.7
163.2
147.6
140.7
109.7
73.9
52.6
39.2
19.4
0.0

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