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

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: P939219

Luminaire Tested: **GALN-SB1C-950-U-T4FT**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

Test Method:	LM-79-08
Report Number:	P939219
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-24)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB1C-950-U-T4FT
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(1) 90 CRI, 5000K, 615mA LIGHTSQUARE WITH 26 LEDS AND TYPE IV FORWARD THROW OPTICS
Light Source:	-
Ballast/Driver:	-

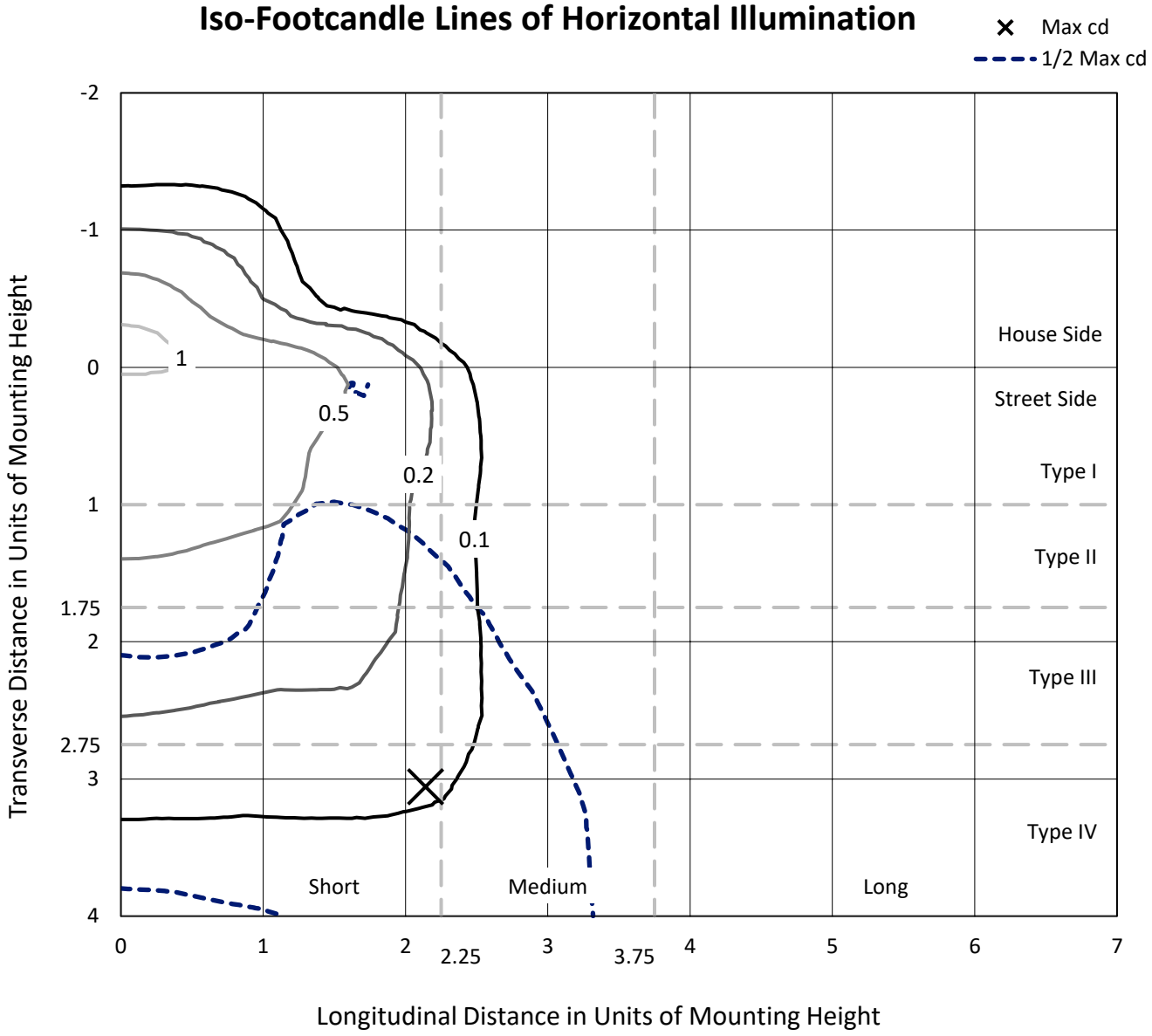
Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	5151 lumens
Efficiency:	N/A
Efficacy:	94.7 lumens/watt
Luminous Opening:	Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification:	Type IV - Short
BUG Rating:	B1 - U0 - G2
Input Watts (W):	54.4
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

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

REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

Iso-Footcandle Lines of Horizontal Illumination

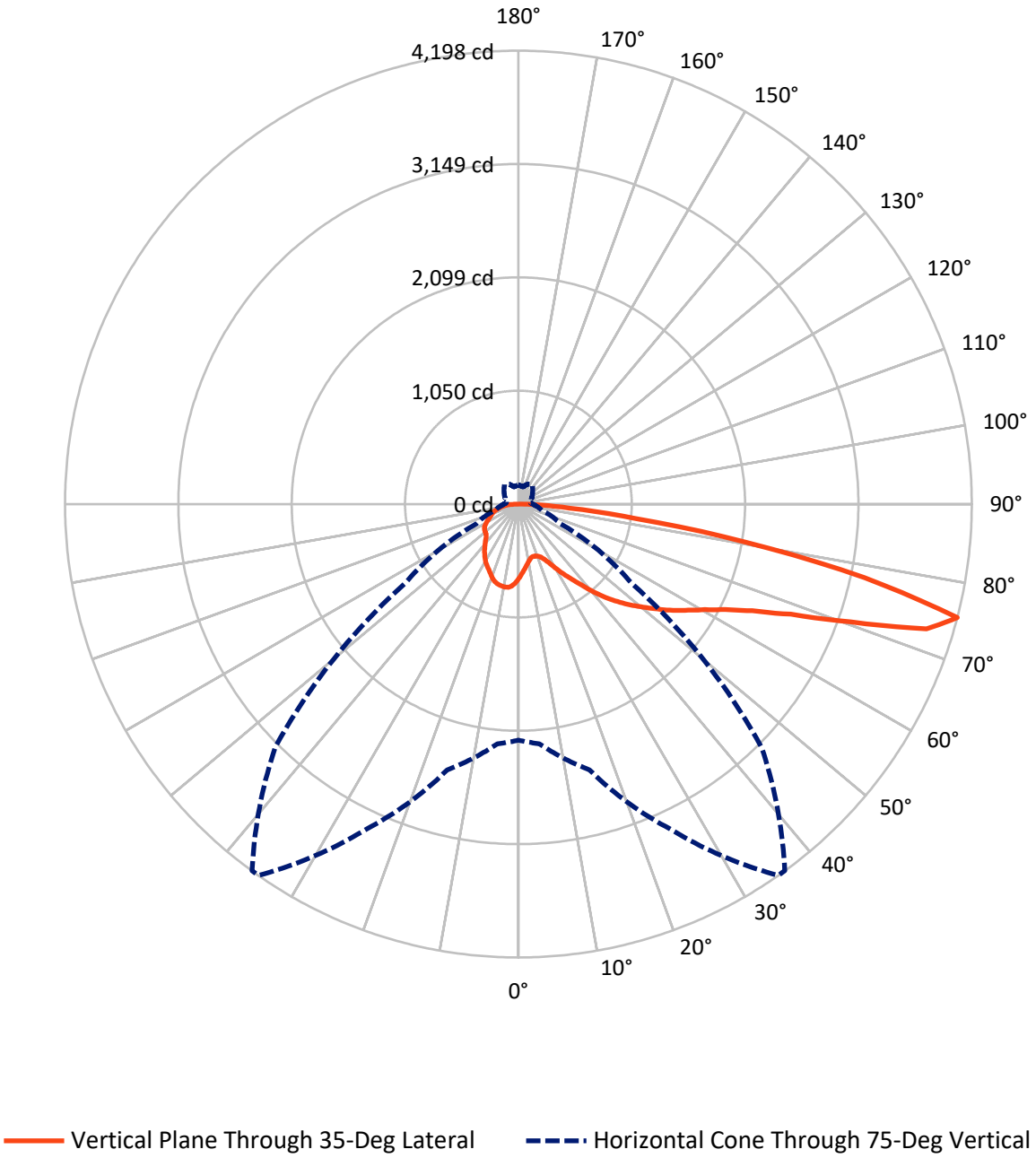


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
Type IV - Short - N/A

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

REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

Luminous Intensity Polar Plot



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

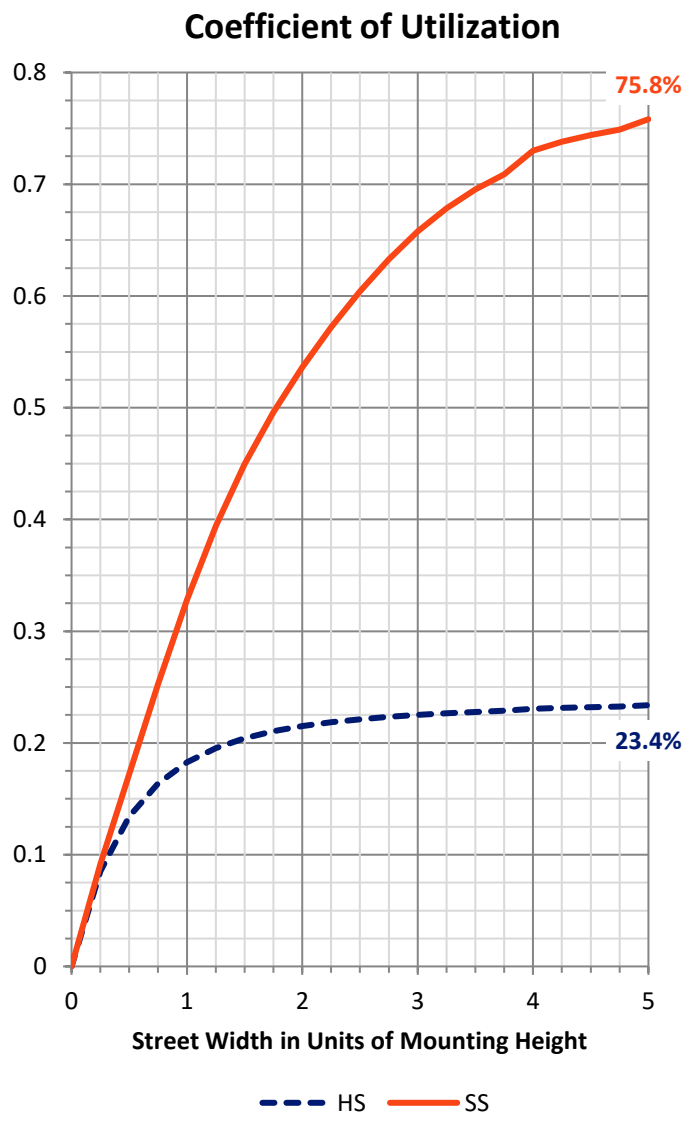
REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1225.8	0.0	1225.8
	% Fixture	23.8	0.0	23.8
Street Side	Lumens	3925.2	0.0	3925.2
	% Fixture	76.2	0.0	76.2
Total	Lumens	5151.0	0.0	5151.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.3
10°-20°	187.5	3.6
20°-30°	314.8	6.1
30°-40°	489.2	9.5
40°-50°	726.1	14.1
50°-60°	1002.5	19.5
60°-70°	1216.2	23.6
70°-80°	1005.1	19.5
80°-90°	144.6	2.8
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°	5151.0	100.0
0°-180°	5151.0	100.0

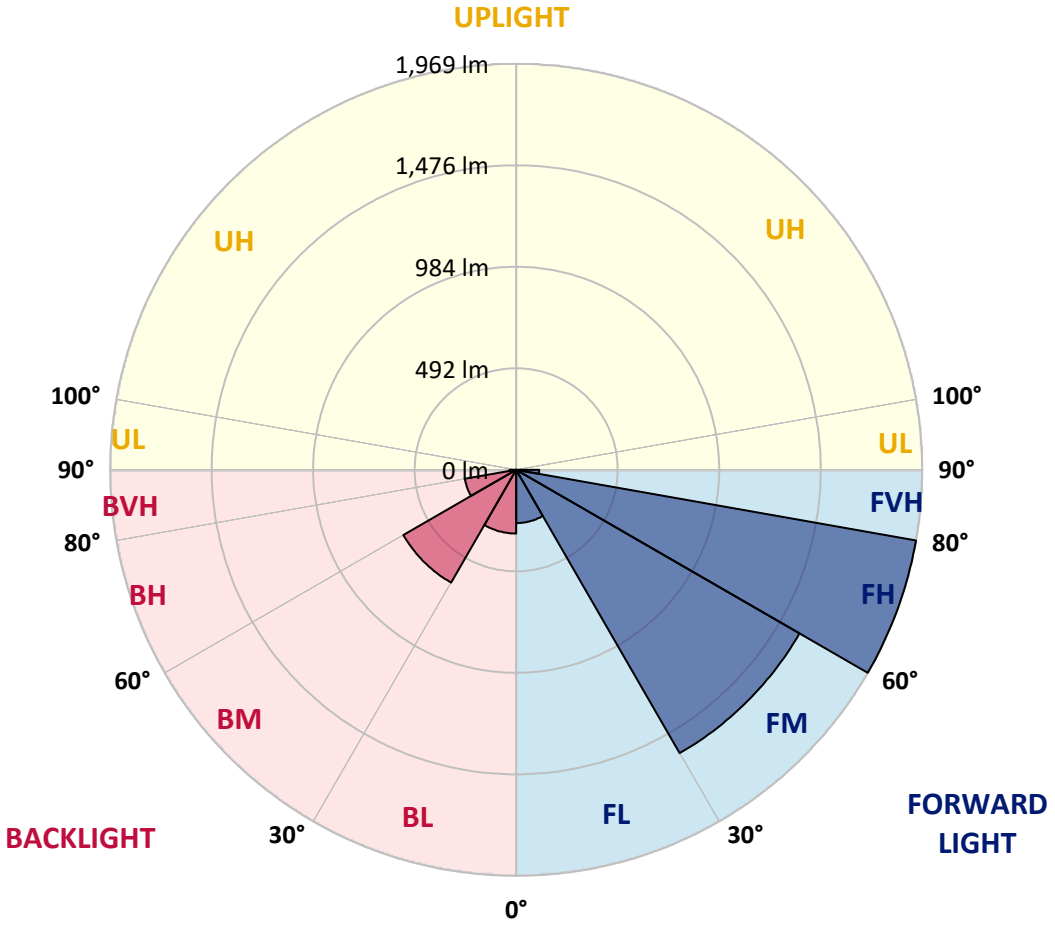


REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	258.3	5.0			
FM	(30°-60°)	1586.2	30.8			
FH	(60°-80°)	1968.6	38.2			G2/5000
FVH	(80°-90°)	112.0	2.2			G2/225
BL	(0°-30°)	308.9	6.0	B1/500		
BM	(30°-60°)	631.6	12.3	B1/1000		
BH	(60°-80°)	252.7	4.9	B1/500		G1/500
BVH	(80°-90°)	32.6	0.6			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 IV Short



REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	36°	45°	55°	65°	75°
0°	686.4	686.4	686.4	686.4	*686.4*	686.4	686.4	686.4	686.4	686.4
2.5°	632.9	636.8	638.5	637.7	*641.9*	641.3	647.1	654.4	664.4	674.2
5°	584.2	588.4	592.0	595.3	*603.4*	605.9	615.1	629.0	647.4	666.1
7.5°	538.8	542.4	548.0	554.1	*567.8*	570.3	585.6	607.3	632.9	660.2
10°	501.8	505.4	511.3	518.2	*535.2*	538.3	557.8	586.7	620.1	654.7
12.5°	485.9	487.0	490.4	497.3	*512.1*	514.0	535.5	568.6	607.6	650.5
15°	485.1	487.3	487.6	491.2	*503.5*	504.3	524.1	556.9	599.8	649.6
17.5°	493.4	495.1	492.6	494.8	*505.1*	506.5	522.1	551.4	597.3	653.3
20°	515.7	517.1	509.6	506.5	*514.0*	515.2	530.5	555.0	599.8	660.8
22.5°	563.0	563.9	545.5	533.0	*533.5*	534.1	547.5	569.7	609.6	674.4
25°	636.8	636.3	607.0	582.8	*568.9*	565.8	574.7	593.7	626.0	692.5
27.5°	723.2	719.0	689.7	653.5	*623.2*	618.7	616.8	624.9	649.4	716.5
30°	820.6	816.7	785.3	737.9	*695.9*	688.6	670.3	666.1	684.2	749.1
32.5°	927.6	925.0	887.5	830.1	*773.8*	765.5	734.6	723.4	737.6	798.3
35°	1017.2	1015.0	983.8	924.8	*856.0*	845.7	814.2	801.7	808.9	861.6
37.5°	1098.2	1097.1	1070.4	1023.9	*952.9*	940.4	905.0	900.8	899.4	944.8
40°	1173.4	1170.6	1142.8	1118.3	*1065.7*	1054.3	1023.1	1019.4	1008.9	1047.3
42.5°	1256.7	1249.5	1209.1	1197.7	*1183.5*	1174.0	1155.3	1155.9	1132.5	1162.9
45°	1324.6	1320.5	1279.0	1272.3	*1287.6*	1283.7	1299.9	1304.0	1258.6	1284.0
47.5°	1397.6	1393.7	1358.6	1353.9	*1395.4*	1396.5	1453.6	1455.0	1381.7	1409.8
50°	1487.5	1482.0	1447.2	1453.0	*1499.5*	1503.7	1608.1	1598.6	1495.1	1537.7
52.5°	1546.8	1550.2	1542.7	1552.1	*1615.6*	1619.5	1760.2	1735.9	1607.3	1663.8
55°	1590.6	1597.3	1620.6	1642.4	*1738.2*	1742.1	1903.6	1866.5	1700.3	1780.8
57.5°	1646.8	1637.3	1681.1	1723.4	*1854.5*	1864.9	2043.1	1992.4	1782.7	1881.6
60°	1727.6	1720.9	1754.9	1817.5	*1984.9*	2001.3	2190.7	2105.7	1843.1	1961.5
62.5°	1891.3	1874.6	1879.9	1935.3	*2149.2*	2170.9	2357.2	2204.6	1873.2	1992.7
65°	2136.1	2107.4	2080.7	2119.1	*2380.6*	2402.0	2545.1	2282.3	1862.1	1932.2
67.5°	2444.3	2415.9	2383.1	2419.3	*2721.4*	2738.4	2777.1	2326.0	1774.4	1699.4
70°	2698.6	2688.0	2727.2	2876.2	*3265.8*	3266.3	3074.5	2289.8	1534.0	1204.9
72.5°	2664.9	2658.5	2865.4	3325.9	*3951.9*	3937.2	3356.0	2015.8	1033.4	543.6
75°	*2186.2*	*2227.7*	*2548.2*	*3317.9*	*4198.4*	*4196.4*	*3183.6*	*1281.5*	*427.4*	*225.3*
77.5°	1172.3	1238.0	1654.3	2449.6	*3277.5*	3326.8	2238.3	448.3	183.5	144.2
80°	382.3	439.7	659.4	1247.2	*2129.7*	2120.5	959.3	176.0	125.6	102.2
82.5°	162.3	169.0	294.6	588.9	*1093.0*	1076.0	305.5	101.1	88.3	69.9
85°	63.5	71.0	130.0	272.3	*473.4*	463.1	110.3	50.1	56.5	45.7
87.5°	20.9	25.3	46.5	93.3	*147.3*	142.0	27.0	17.3	24.5	20.9
90°	0.0	0.0	0.0	0.0	*0.0*	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P939219
CATALOG NUMBER: GALN-SB1C-950-U-T4FT

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
686.4	0°	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4	686.4
688.4	2.5°	692.3	696.7	702.0	709.8	716.5	722.0	727.9	731.5	732.9	737.1
689.5	5°	697.3	707.0	720.1	732.9	745.4	753.0	759.6	763.0	766.0	768.3
692.5	7.5°	705.6	718.2	738.8	755.5	766.0	772.2	776.6	775.5	776.6	777.2
695.9	10°	712.9	730.4	754.9	770.8	778.9	779.1	778.0	774.1	772.2	772.4
700.9	12.5°	721.5	741.0	767.4	780.8	783.0	776.9	772.2	765.5	763.0	761.9
708.4	15°	733.2	755.5	781.1	786.1	780.5	772.7	764.7	753.8	748.2	743.8
721.2	17.5°	747.4	771.9	791.7	788.0	776.1	763.3	750.2	733.7	722.3	717.6
738.8	20°	767.2	789.2	799.7	783.9	765.8	746.3	724.0	703.9	693.4	688.6
761.0	22.5°	791.1	812.3	807.5	776.6	751.0	719.8	692.0	677.2	671.9	668.6
789.7	25°	819.8	837.9	813.1	766.0	726.8	684.7	663.3	658.6	656.1	653.5
824.8	27.5°	857.1	866.8	817.3	750.5	688.9	647.4	639.6	640.5	639.6	635.4
873.5	30°	906.4	904.4	821.2	725.1	645.5	613.7	614.3	617.9	618.5	615.7
941.5	32.5°	971.3	951.5	823.1	692.3	604.0	584.2	584.8	588.7	591.5	586.7
1030.3	35°	1049.8	1006.4	820.1	651.0	572.0	556.1	551.9	553.0	553.9	549.4
1138.1	37.5°	1141.4	1067.9	806.4	605.4	545.5	528.5	519.6	512.1	507.6	503.5
1260.0	40°	1241.9	1135.0	781.4	560.8	516.0	499.3	485.9	471.7	456.7	451.1
1389.2	42.5°	1347.2	1204.1	751.0	518.2	482.0	468.4	454.2	433.6	411.0	399.6
1523.5	45°	1456.3	1274.8	721.2	476.2	447.2	441.4	424.9	400.1	375.6	361.2
1658.0	47.5°	1563.3	1341.6	677.5	433.8	414.6	421.0	408.2	385.4	358.1	335.3
1791.3	50°	1665.5	1404.3	605.9	391.0	388.2	414.9	402.7	369.8	338.6	309.4
1922.2	52.5°	1766.8	1455.0	514.3	352.0	374.0	413.2	395.4	359.2	321.1	290.4
2045.3	55°	1852.9	1481.1	426.0	318.6	353.4	399.0	386.8	346.7	296.3	263.7
2129.7	57.5°	1901.9	1460.0	352.5	285.7	325.0	375.6	372.0	320.0	266.8	241.7
2146.1	60°	1880.7	1374.2	292.4	257.0	298.0	350.3	346.4	293.5	244.2	220.5
2058.1	62.5°	1764.0	1210.7	244.8	232.0	273.4	324.4	320.8	273.2	226.9	204.1
1824.5	65°	1529.0	984.9	207.7	211.1	248.7	293.2	298.5	256.2	213.3	191.0
1411.5	67.5°	1166.2	713.4	178.8	193.0	224.4	262.6	277.9	243.9	201.9	180.7
816.7	70°	664.7	405.2	154.3	175.4	203.0	234.2	262.0	234.2	189.6	172.1
306.0	72.5°	252.0	186.0	133.4	157.9	182.4	210.2	244.5	218.9	175.4	162.3
158.2	75°	*134.5*	*113.3*	*112.2*	*137.3*	*158.7*	*186.8*	*222.5*	*203.8*	*164.8*	*171.5*
109.4	77.5°	91.6	80.2	93.8	117.5	132.8	161.0	199.1	181.0	142.9	142.3
75.7	80°	63.5	56.8	76.3	94.7	102.8	135.3	173.8	155.4	116.4	108.6
46.8	82.5°	38.1	37.0	57.1	70.7	72.7	104.4	144.0	130.3	95.2	83.0
27.8	85°	20.9	22.0	36.5	41.5	42.3	73.0	112.8	100.8	73.2	61.5
10.0	87.5°	5.8	7.5	13.4	16.4	20.3	37.9	67.1	59.9	36.8	25.6
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

180°
686.4
736.8
768.8
778.0
773.0
761.3
745.2
717.9
688.1
669.1
653.5
636.3
617.1
588.9
552.5
506.2
453.6
401.0
360.0
332.8
306.9
287.1
260.9
238.4
217.2
200.5
187.4
177.4
169.9
160.1
177.1
131.2
103.9
83.5
62.1
25.6
0.0

F REPORT)