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: P942537

Luminaire Tested: **GALN-SB6C-830-U-T3**

Issue Date: 1/21/2025

Report Generated By 670246001

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

Test Information

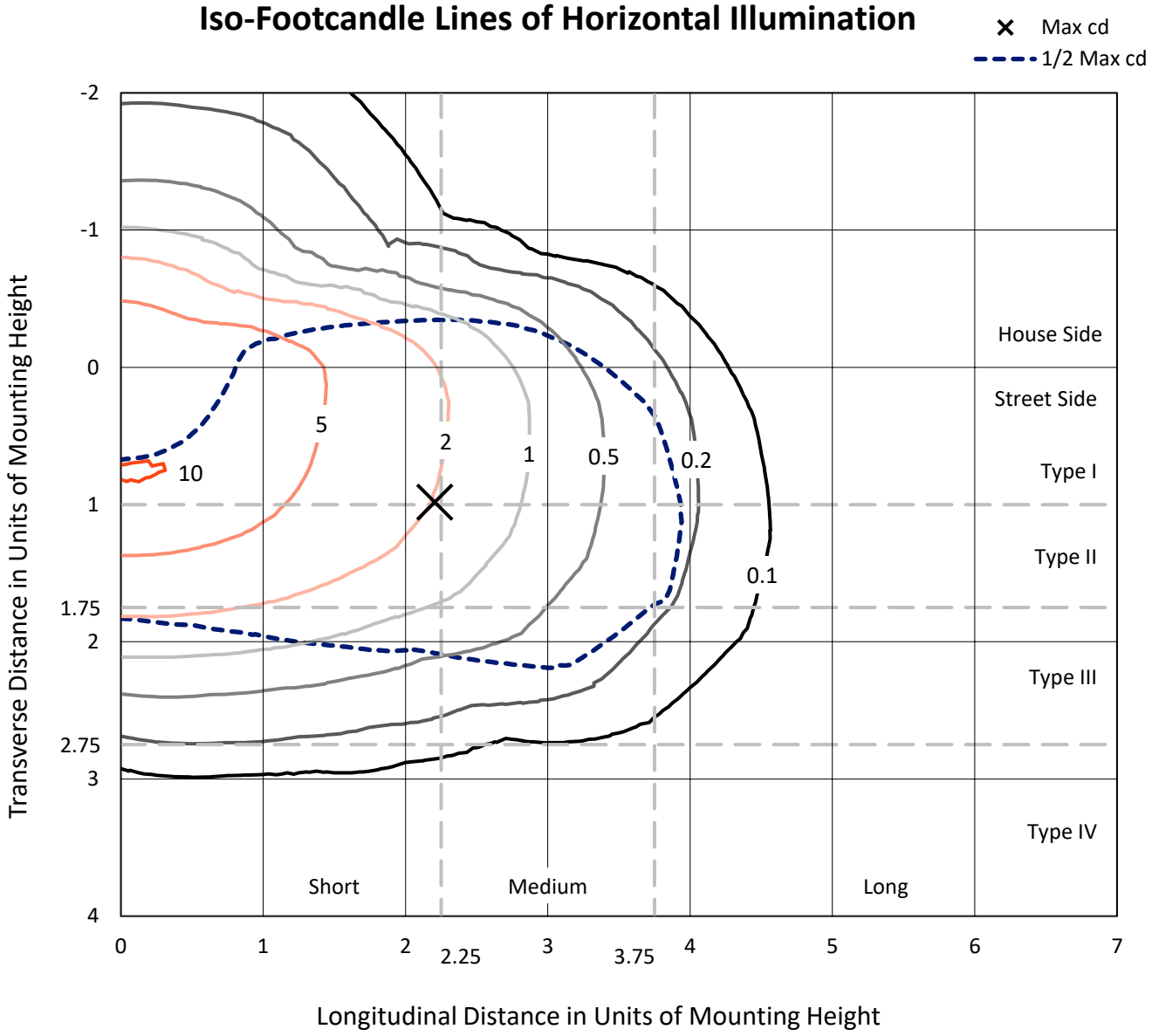
Test Method:	LM-79-08
Report Number:	P942537
	TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-5)
Test Lab:	INNOVATION CENTER
Issue Date:	1/21/2025
Manufacturer:	COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line:	McGRAW-EDISON
Catalog Number:	GALN-SB6C-830-U-T3
Description:	GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
	(6) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE III OPTICS
Light Source:	-
Ballast/Driver:	-

Summary

Lumens per Lamp:	N/A
Luminaire Lumens:	40835 lumens
Efficiency:	N/A
Efficacy:	135.7 lumens/watt
Luminous Opening:	Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification:	Type III - Short
BUG Rating:	B4 - U0 - G4
Input Watts (W):	300.9
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

REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

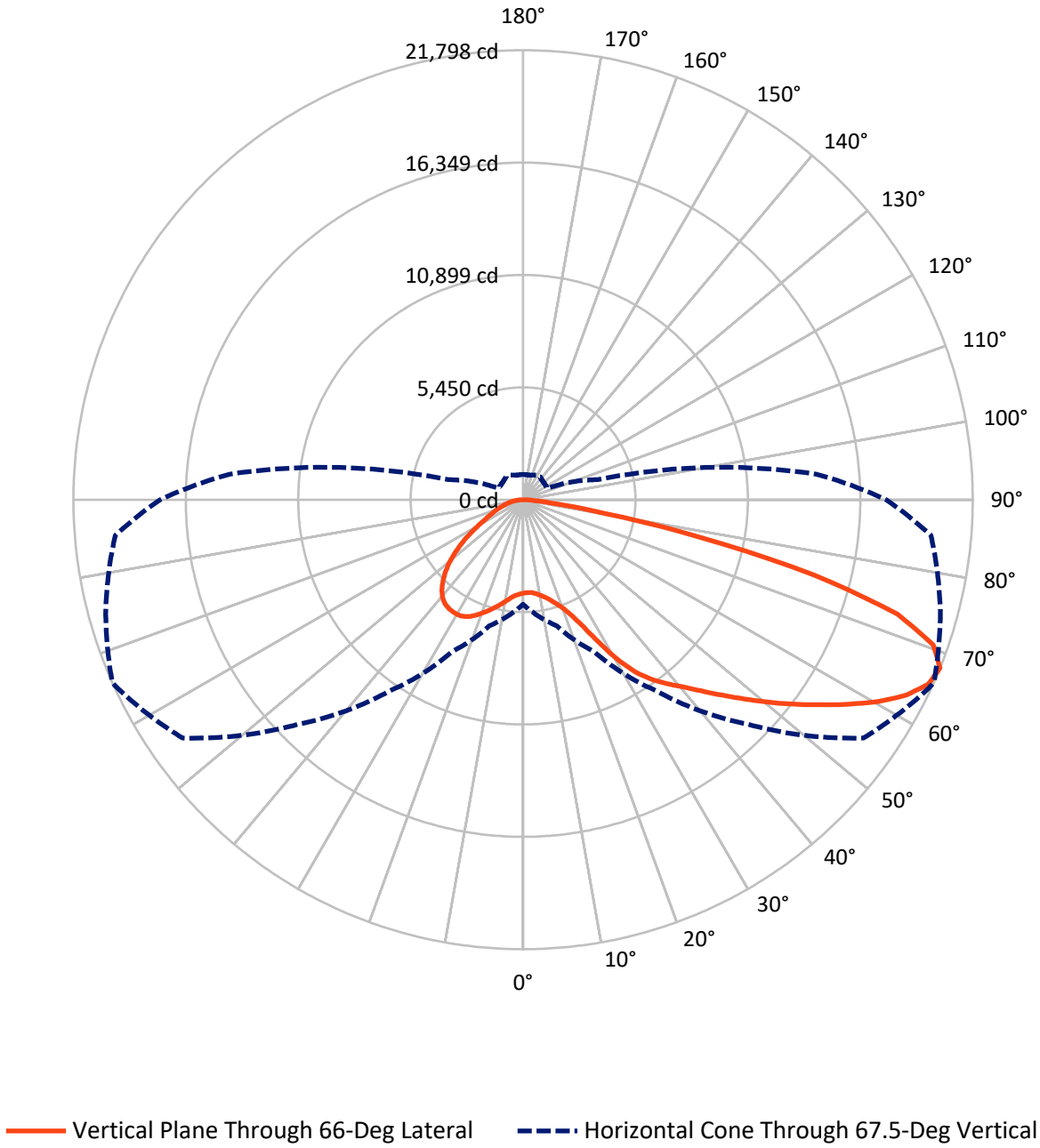
Iso-Footcandle Lines of Horizontal Illumination



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc
Type III - Short - N/A

REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

Luminous Intensity Polar Plot



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

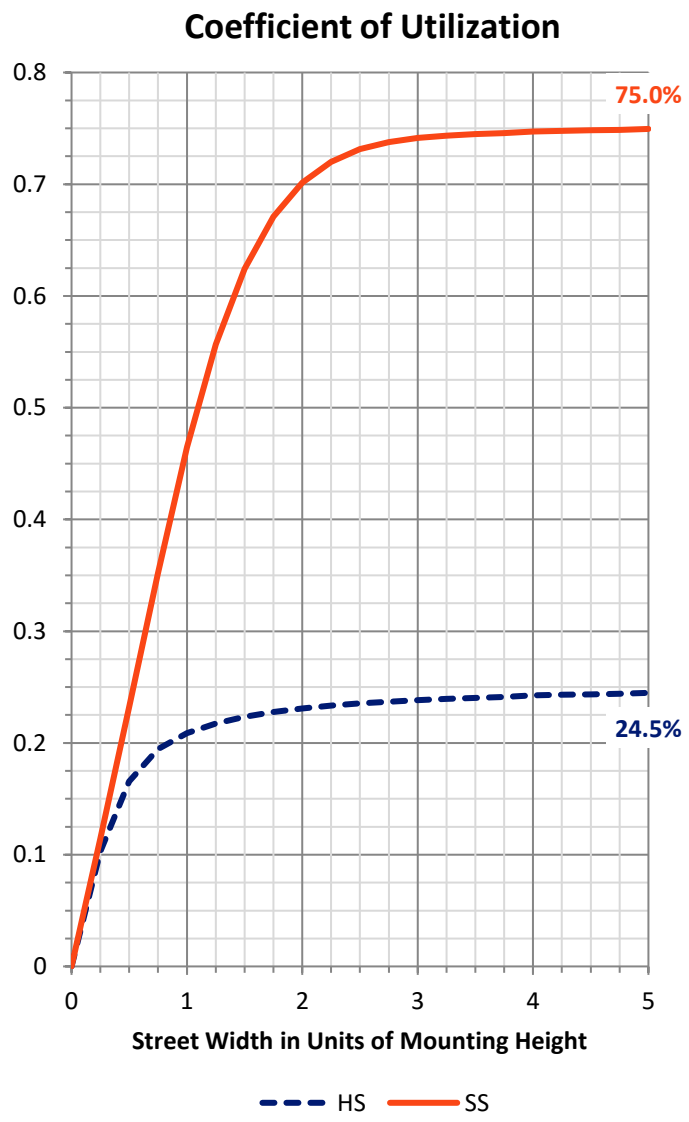
REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	10153.5	0.0	10153.5
	% Fixture	24.9	0.0	24.9
Street Side	Lumens	30681.5	0.0	30681.5
	% Fixture	75.1	0.0	75.1
Total	Lumens	40835.0	0.0	40835.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	449.0	1.1
10°-20°	1483.6	3.6
20°-30°	2859.5	7.0
30°-40°	5013.8	12.3
40°-50°	7453.9	18.3
50°-60°	9448.6	23.1
60°-70°	9245.2	22.6
70°-80°	4410.0	10.8
80°-90°	471.3	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°	40835.0	100.0
0°-180°	40835.0	100.0

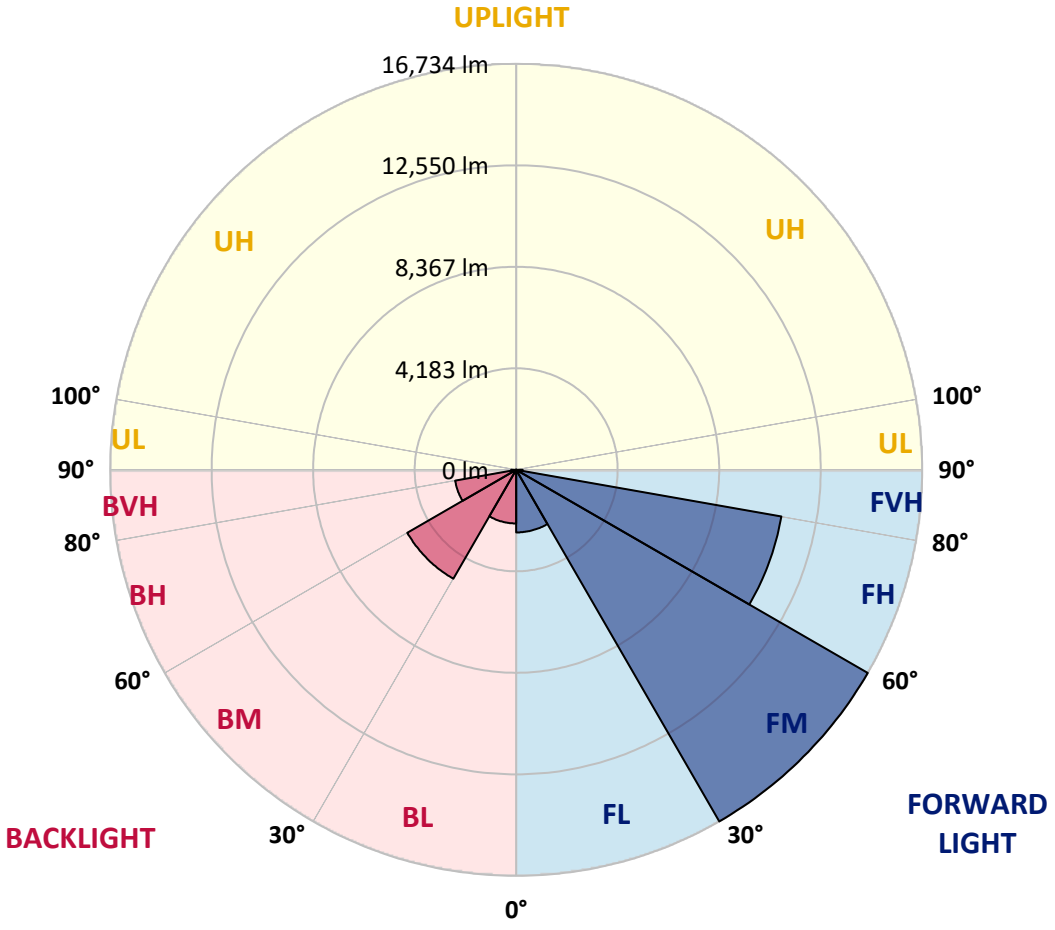


REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit B	U	G
FL	(0°-30°)	2580.4	6.3			
FM	(30°-60°)	16733.8	41.0			
FH	(60°-80°)	11100.1	27.2			G4/12000
FVH	(80°-90°)	267.2	0.7			G3/500
BL	(0°-30°)	2211.8	5.4	B3/2500		
BM	(30°-60°)	5182.5	12.7	B4/8500		
BH	(60°-80°)	2555.1	6.3	B4/5000		G4/5000
BVH	(80°-90°)	204.1	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4
Type III Short



REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	66°	75°
0°	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	*4529.1*	4529.1
2.5°	4481.9	4507.7	4501.2	4490.5	4488.4	4492.7	4499.1	4505.5	*4503.4*	4514.1
5°	4469.1	4494.8	4492.7	4492.7	4501.2	4518.4	4529.1	4539.9	*4529.1*	4542.0
7.5°	4477.6	4497.0	4505.5	4514.1	4535.6	4567.8	4593.5	4617.1	*4604.2*	4619.3
10°	4587.1	4602.1	4610.7	4610.7	4625.7	4662.2	4687.9	4730.8	*4720.1*	4743.7
12.5°	4786.6	4801.6	4801.6	4793.0	4803.8	4827.4	4835.9	4883.1	*4863.8*	4902.5
15°	5031.2	5061.2	5037.6	5022.6	5026.9	5050.5	5048.4	5084.8	*5065.5*	5097.7
17.5°	5301.5	5340.1	5301.5	5299.4	5290.8	5316.5	5318.7	5350.9	*5316.5*	5340.1
20°	5621.2	5674.8	5642.7	5653.4	5634.1	5644.8	5655.5	5702.7	*5649.1*	5666.3
22.5°	6071.8	6136.1	6101.8	6142.6	6129.7	6121.1	6119.0	6202.6	*6119.0*	6125.4
25°	6728.3	6805.5	6745.4	6801.2	6801.2	6829.1	6861.3	6968.6	*6829.1*	6788.3
27.5°	7698.0	7775.3	7657.3	7691.6	7680.9	7749.5	7715.2	7981.2	*7831.1*	7764.5
30°	8865.2	9002.5	8779.4	8770.8	8760.1	8869.5	8918.8	9094.8	*8942.4*	8875.9
32.5°	10126.7	10270.5	10004.4	9927.2	9886.4	9953.0	9912.2	10053.8	*9948.7*	9845.7
35°	11461.2	11602.8	11349.7	11199.5	11036.4	10897.0	10751.1	10787.6	*10688.9*	10532.2
37.5°	12722.8	12982.4	12714.2	12553.3	12252.9	11980.4	11572.8	11403.3	*11311.1*	11167.3
40°	14007.9	14156.0	13952.2	13814.8	13488.7	13061.8	12409.5	12051.2	*11926.8*	11787.4
42.5°	14954.1	15095.7	14986.3	14891.9	14636.6	14141.0	13297.8	12849.4	*12669.2*	12512.5
45°	15705.0	15810.2	15741.5	15775.8	15666.4	15185.8	14218.2	13705.4	*13518.8*	13327.8
47.5°	16007.5	16119.1	16228.5	16432.4	16619.0	16265.0	15207.3	14632.3	*14434.9*	14239.7
50°	15973.2	16086.9	16404.5	16837.8	17417.1	17299.1	16250.0	15619.2	*15436.8*	15213.7
52.5°	15698.6	15827.3	16235.0	16955.9	17878.4	18073.7	17312.0	16638.3	*16466.7*	16200.6
55°	14977.7	15054.9	15666.4	16687.7	17987.8	18614.3	18352.6	17723.9	*17552.3*	17181.1
57.5°	13641.1	13752.6	14643.0	15964.6	17713.2	18981.2	19266.6	18865.3	*18700.1*	18165.9
60°	11896.8	12074.8	13094.0	14750.3	17013.8	18979.1	20096.9	19987.4	*19850.1*	19135.7
62.5°	9922.9	10128.9	11109.4	13033.9	15790.8	18440.5	20616.1	20927.2	*20856.4*	20030.3
65°	7620.8	7762.4	8738.6	10813.3	13887.8	17284.1	20676.1	21568.7	*21581.5*	20710.5
67.5°	*5074.1*	*5481.7*	*6329.2*	*8114.3*	*11338.9*	*15393.9*	*20148.3*	*21673.8*	*21798.2*	*20944.3*
70°	2475.9	3012.3	3842.6	5273.6	8114.3	12495.4	18768.8	20811.3	*21088.1*	20262.1
72.5°	1027.7	1201.5	1654.2	2602.5	4657.9	8431.8	15996.8	18472.7	*18985.5*	17953.5
75°	693.0	750.9	946.2	1334.5	2121.9	4158.0	11536.3	13774.1	*14600.1*	13559.5
77.5°	534.2	570.7	688.7	933.3	1261.6	1572.6	6174.7	8300.9	*8727.9*	8079.9
80°	420.5	448.4	514.9	680.1	894.7	841.0	2104.7	3761.1	*4007.8*	3362.0
82.5°	364.7	375.5	369.0	461.3	594.3	491.3	690.8	1388.1	*1531.9*	1111.4
85°	263.9	293.9	306.8	285.4	315.4	248.9	283.2	491.3	*540.7*	482.7
87.5°	107.3	158.8	195.2	184.5	115.9	70.8	88.0	143.7	*165.2*	180.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	*0.0*	0.0

REPORT NUMBER: P942537
CATALOG NUMBER: GALN-SB6C-830-U-T3

CANDELA DISTRIBUTION (continued):

85°		90°	95°	105°	115°	125°	135°	145°	155°	165°	175°
4529.1	0°	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1	4529.1
4531.3	2.5°	4533.4	4548.5	4559.2	4572.1	4580.6	4593.5	4619.3	4634.3	4636.4	4647.1
4565.6	5°	4574.2	4595.7	4619.3	4653.6	4692.2	4724.4	4773.7	4808.1	4820.9	4831.7
4649.3	7.5°	4662.2	4692.2	4735.1	4795.2	4851.0	4893.9	4953.9	4994.7	5035.5	5050.5
4782.3	10°	4793.0	4835.9	4898.2	4979.7	5039.8	5095.6	5157.8	5192.1	5232.9	5250.0
4941.1	12.5°	4956.1	5001.2	5082.7	5196.4	5252.2	5290.8	5312.2	5303.7	5312.2	5327.3
5132.0	15°	5142.8	5192.1	5284.4	5406.6	5445.3	5410.9	5363.7	5320.8	5314.4	5318.7
5363.7	17.5°	5363.7	5400.2	5507.5	5610.5	5582.6	5441.0	5338.0	5269.3	5235.0	5224.3
5659.8	20°	5672.7	5672.7	5760.7	5825.0	5638.4	5398.1	5237.2	5125.6	5054.8	5024.8
6063.2	22.5°	6048.2	6013.8	6069.6	6024.6	5627.6	5277.9	5054.8	4861.7	4754.4	4711.5
6627.4	25°	6524.5	6483.7	6468.7	6189.8	5550.4	5087.0	4724.4	4490.5	4396.1	4372.5
7440.6	27.5°	7243.2	7140.2	6945.0	6279.9	5408.8	4786.6	4338.2	4121.5	4067.9	4070.0
8485.4	30°	8200.1	7994.1	7515.7	6294.9	5177.1	4361.8	3943.4	3788.9	3763.2	3773.9
9362.9	32.5°	9086.2	8890.9	8099.2	6226.2	4820.9	3945.6	3589.4	3486.4	3447.8	3460.7
10032.3	35°	9781.3	9727.7	8639.9	6129.7	4383.2	3555.1	3271.9	3183.9	3108.8	3091.7
10663.1	37.5°	10437.8	10416.4	9045.4	5994.5	3949.9	3278.3	3016.6	2900.7	2791.3	2731.2
11360.4	40°	11158.7	11137.3	9311.5	5786.4	3565.8	3038.0	2787.0	2634.7	2499.5	2390.1
12149.9	42.5°	11969.7	11843.1	9438.0	5488.2	3239.7	2834.2	2600.3	2394.4	2216.3	2115.5
13042.5	45°	12855.8	12570.5	9435.9	5108.4	2965.1	2647.5	2400.8	2109.0	1943.8	1849.4
13958.6	47.5°	13795.5	13265.6	9320.0	4687.9	2699.0	2441.6	2091.9	1868.7	1759.3	1701.4
14954.1	50°	14765.3	13915.7	9122.6	4205.2	2426.6	2207.7	1898.8	1746.4	1662.8	1609.1
15941.0	52.5°	15677.1	14505.7	8884.5	3658.1	2149.8	1980.3	1812.9	1694.9	1607.0	1546.9
16897.9	55°	16524.6	15014.2	8547.7	3098.1	1924.5	1828.0	1772.2	1673.5	1572.6	1501.8
17869.8	57.5°	17277.7	15344.6	7966.2	2572.4	1763.6	1722.8	1729.3	1637.0	1521.2	1461.1
18826.7	60°	17904.2	15587.0	7105.9	2085.4	1632.7	1619.8	1662.8	1568.4	1433.2	1364.5
19635.6	62.5°	18279.6	15582.7	6050.3	1707.8	1521.2	1525.4	1574.8	1482.5	1345.2	1280.9
20058.2	65°	18247.4	15200.8	4891.7	1461.1	1413.9	1418.2	1482.5	1388.1	1272.3	1233.7
19845.8	67.5°	*17601.6*	*14269.7*	*3752.5*	*1300.2*	*1295.9*	*1315.2*	*1390.3*	*1323.8*	*1227.2*	*1222.9*
18580.0	70°	15853.1	12336.6	2703.3	1171.4	1173.6	1201.5	1300.2	1283.0	1203.6	1212.2
15621.4	72.5°	12712.1	9405.9	1815.1	1036.3	1038.4	1083.5	1214.4	1250.8	1180.0	1293.7
11083.6	75°	8466.1	5865.8	1167.1	892.5	894.7	952.6	1139.3	1188.6	1115.7	1289.4
5767.1	77.5°	4067.9	2636.8	845.3	750.9	750.9	804.6	984.8	1064.2	950.5	1001.9
1853.7	80°	1405.3	991.2	665.1	605.0	592.2	628.6	830.3	922.6	819.6	755.2
605.0	82.5°	553.5	514.9	534.2	469.9	427.0	450.6	645.8	761.7	602.9	545.0
341.1	85°	317.5	334.7	377.6	311.1	246.7	276.8	474.2	547.1	454.8	401.2
111.6	87.5°	85.8	118.0	173.8	160.9	111.6	118.0	225.3	302.5	261.8	201.7
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

180°
4529.1
4645.0
4829.5
5052.6
5258.6
5331.6
5333.7
5239.3
5018.3
4705.1
4376.8
4076.4
3810.4
3477.8
3104.5
2733.4
2400.8
2121.9
1845.1
1688.5
1589.8
1521.2
1474.0
1422.5
1334.5
1261.6
1231.5
1229.4
1210.1
1310.9
1300.2
918.3
708.0
542.8
409.8
208.1
0.0

F REPORT)