

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: P953799

Luminaire Tested: **GALN-SB7B-730-U-AFL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953799
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-15)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7B-730-U-AFL-HSS
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND AUTOMOTIVE
FRONTLINE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34144 lumens
Efficiency: N/A
Efficacy: 133.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 256.7
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

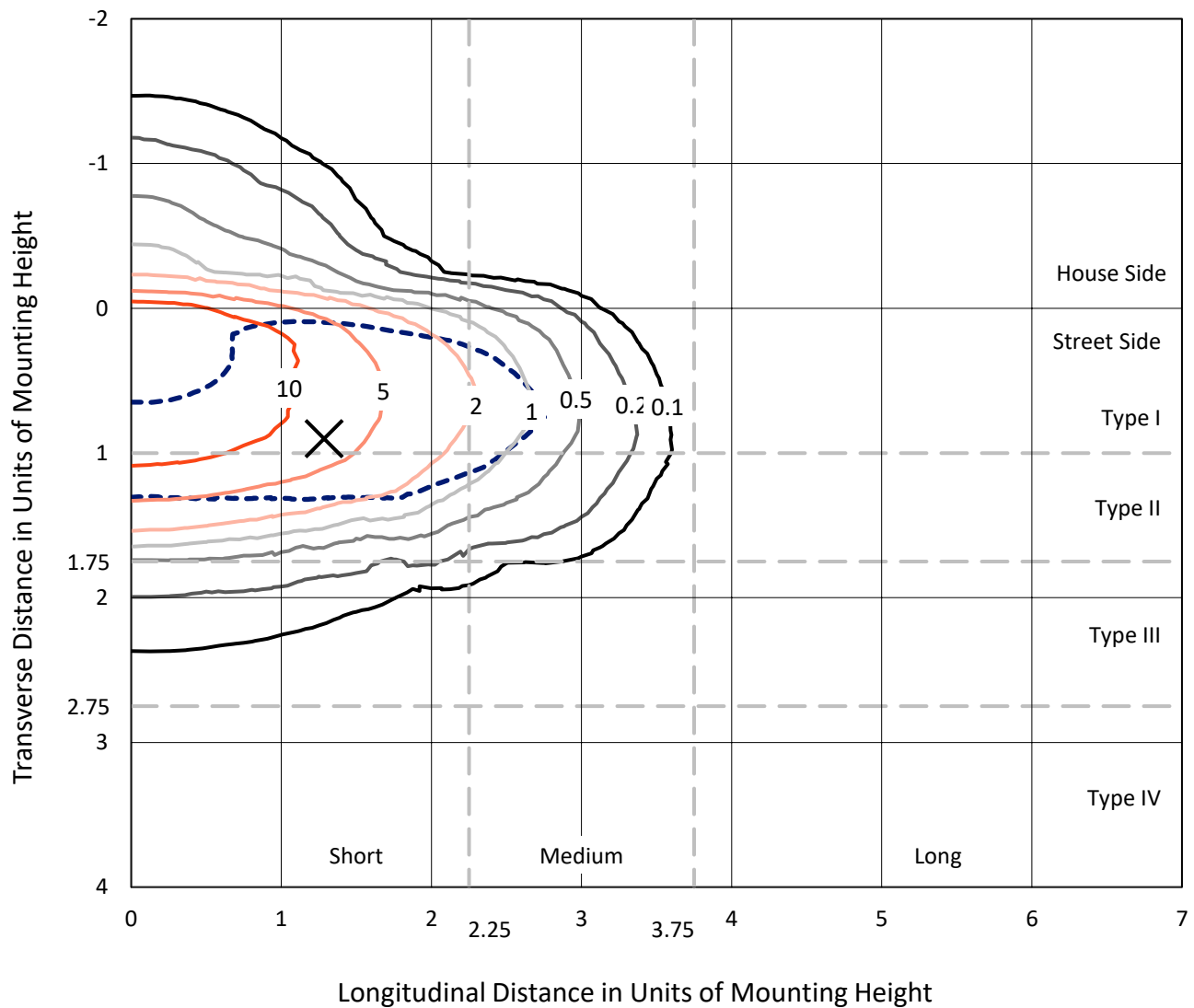


REPORT NUMBER: P953799

CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

Iso-Footcandle Lines of Horizontal Illumination

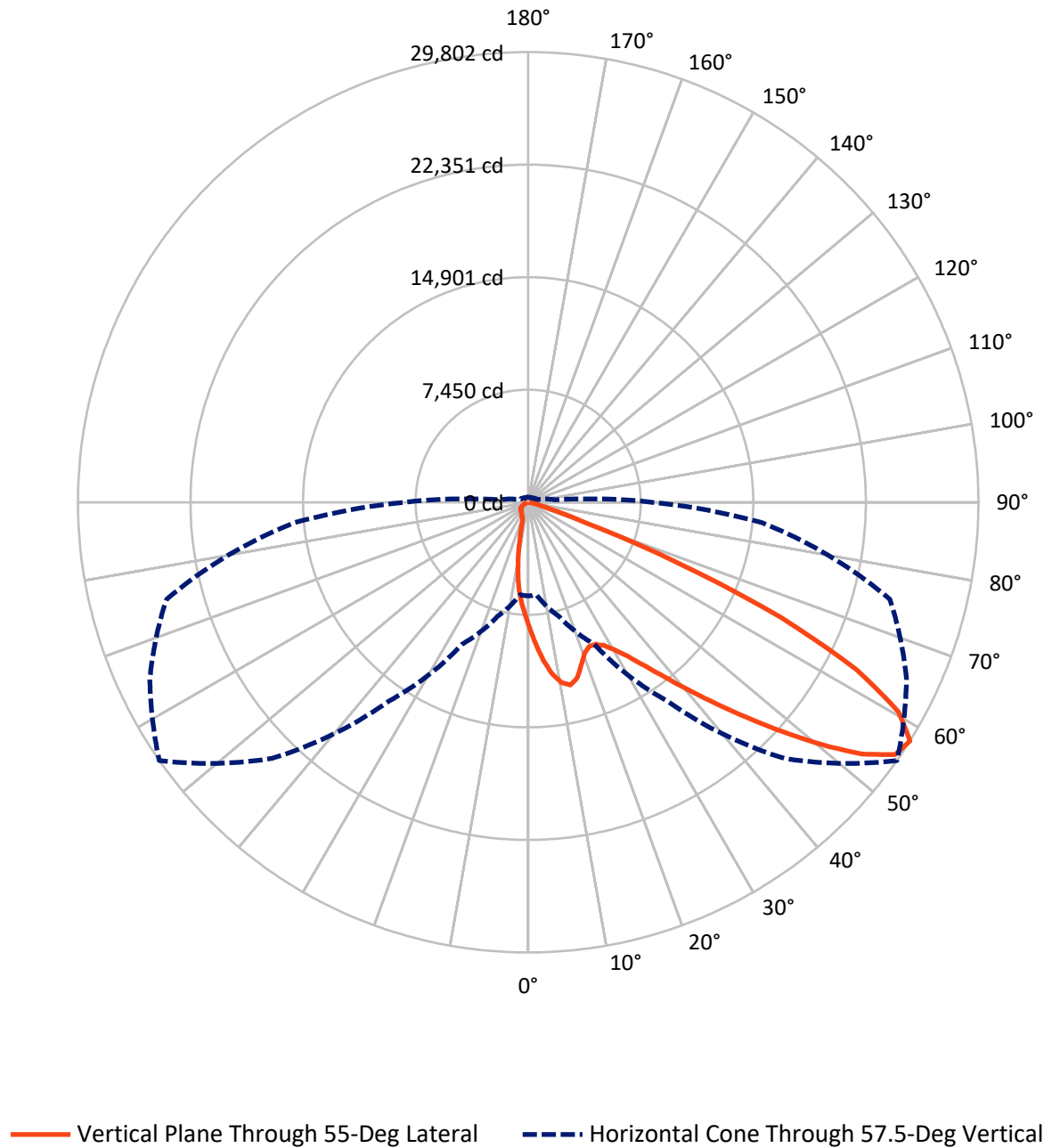
✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.8 fc
Type II - Short - N/A

REPORT NUMBER: P953799
CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P953799

CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

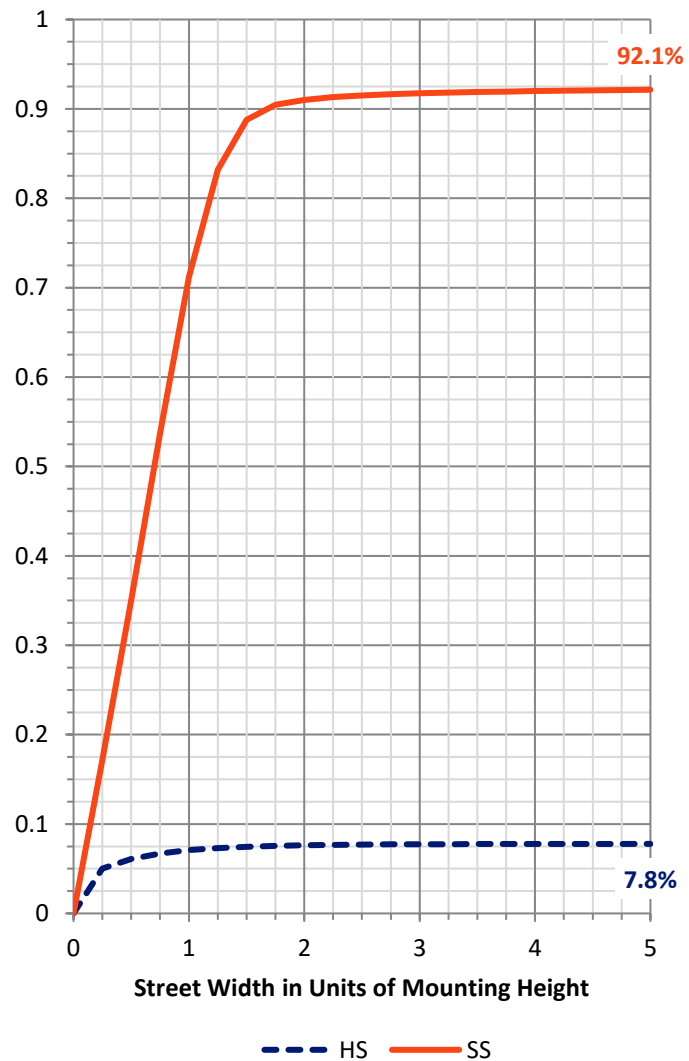
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2666.5	0.0	2666.5
	% Fixture	7.8	0.0	7.8
Street Side	Lumens	31477.5	0.0	31477.5
	% Fixture	92.2	0.0	92.2
Total	Lumens	34144.0	0.0	34144.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	765.6	2.2
10°-20°	1849.2	5.4
20°-30°	2958.7	8.7
30°-40°	5007.8	14.7
40°-50°	8221.7	24.1
50°-60°	9036.3	26.5
60°-70°	5183.2	15.2
70°-80°	1059.1	3.1
80°-90°	62.5	0.2
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°	34144.0	100.0
0°-180°	34144.0	100.0

Coefficient of Utilization



REPORT NUMBER: P953799

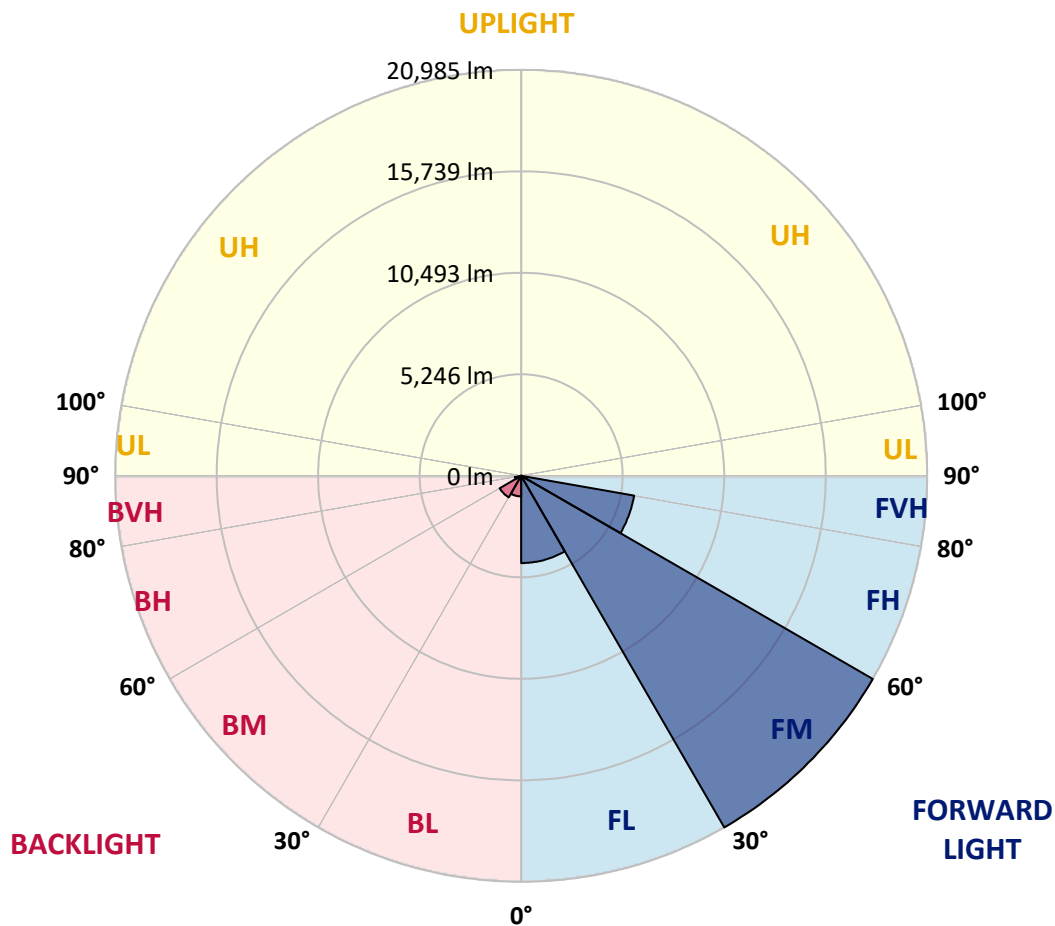
CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4508.9	13.2			
FM	(30°-60°)	20985.1	61.5			
FH	(60°-80°)	5925.2	17.4			G3/7500
FVH	(80°-90°)	58.3	0.2			G1/100
BL	(0°-30°)	1064.5	3.1	B3/2500		
BM	(30°-60°)	1280.6	3.8	B2/2500		
BH	(60°-80°)	317.1	0.9	B1/500		G1/500
BVH	(80°-90°)	4.2	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short



REPORT NUMBER: P953799

CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9
2.5°	10209.0	10080.6	10061.7	10036.4	9792.2	9609.0	9343.7	9053.2	8726.8	8394.2	8246.8
5°	11794.4	11693.3	11674.4	11556.5	11278.6	10967.0	10495.4	9899.5	9291.1	8575.3	8267.9
7.5°	12101.8	12082.8	12169.2	12164.9	12127.0	11880.7	11482.8	10773.3	9859.5	8798.4	8322.6
10°	10731.2	10779.6	11036.5	11261.7	11870.2	12223.9	12137.6	11552.3	10444.8	9053.2	8383.7
12.5°	9482.7	9425.8	9609.0	9863.8	10571.2	11623.9	12409.2	12202.8	11114.4	9341.6	8474.2
15°	8699.5	8676.3	8779.5	8897.4	9436.4	10497.5	12093.4	12731.3	11758.6	9682.7	8611.0
17.5°	8448.9	8430.0	8461.6	8491.0	8840.5	9661.6	11341.7	13055.5	12375.5	10072.2	8762.6
20°	8653.2	8627.9	8623.7	8600.5	8745.8	9305.8	10661.7	13078.7	12929.2	10425.9	8893.2
22.5°	9249.0	9219.5	9116.3	9023.7	9036.3	9354.2	10358.5	12847.1	13346.1	10756.4	8975.3
25°	10329.0	10280.6	10065.9	9754.3	9556.4	9691.1	10404.8	12541.8	13744.0	11015.4	8935.3
27.5°	11680.7	11617.5	11341.7	10878.5	10425.9	10261.7	10739.6	12331.3	14074.5	11213.3	8849.0
30°	13005.0	12922.9	12651.3	12291.3	11630.2	11112.2	11343.8	12423.9	14468.2	11419.6	8735.3
32.5°	14434.6	14356.7	13996.6	13550.3	13002.9	12306.0	12171.3	12876.6	14950.4	11708.1	8655.3
35°	16243.1	16121.0	15609.4	15000.9	14419.8	13714.5	13291.3	13657.7	15592.5	12148.1	8699.5
37.5°	18302.2	18137.9	17586.3	16746.3	15988.3	15198.8	14655.6	14731.4	16533.6	12737.6	8836.3
40°	20243.3	20093.8	19584.3	18792.7	17841.1	16883.1	16304.1	16135.7	17832.6	13455.5	9076.3
42.5°	21407.6	21272.9	21058.1	20723.3	19921.2	18944.3	18213.7	17849.5	19369.6	14314.5	9369.0
45°	21472.9	21355.0	21643.4	22032.9	21875.0	21224.4	20333.9	19666.4	20912.8	15120.9	9672.2
47.5°	20428.6	20348.6	21224.4	22584.5	23262.4	23536.2	22715.0	21331.8	22186.6	15699.9	9796.4
50°	17582.1	17552.6	19354.8	21851.8	23790.9	25561.5	25226.8	22881.4	23174.0	15998.9	9678.5
52.5°	15245.1	15137.8	16188.3	19506.4	23022.4	26626.9	27681.7	24401.5	23864.6	16055.7	9402.7
55°	11562.8	11468.1	12786.0	15582.0	20544.4	26247.9	29477.6	25970.0	24359.4	15910.4	8907.9
57.5°	6202.5	6143.5	7808.9	10371.1	16059.9	23974.1	29801.8	27629.0	24776.2	15525.1	8215.2
60°	2414.9	2404.4	3027.6	5031.9	9760.6	19504.3	28165.9	28624.9	25037.3	15051.4	7636.2
62.5°	1461.1	1492.7	1593.8	2259.1	4311.8	12116.5	24395.1	27492.2	25212.0	14617.7	7158.3
65°	1208.5	1210.6	1223.2	1551.7	2065.4	5069.8	18365.3	23765.6	24780.4	13845.0	6480.4
67.5°	1035.9	1054.8	1103.2	1231.7	1456.9	2223.3	10573.3	18409.5	22155.0	12047.0	5423.5
70°	816.9	842.2	903.2	1012.7	1124.3	1391.7	3907.6	12249.2	16925.2	9080.5	4101.3
72.5°	688.5	686.4	717.9	823.2	892.7	979.0	1503.2	6863.6	9836.4	4335.0	2029.6
75°	532.7	553.7	593.7	688.5	730.6	709.5	814.8	2507.5	3524.4	1313.8	690.6
77.5°	416.9	433.7	469.5	562.1	604.2	503.2	469.5	896.9	1132.7	471.6	311.6
80°	187.4	202.1	320.0	414.8	492.7	347.4	254.8	459.0	503.2	214.7	157.9
82.5°	33.7	56.8	187.4	219.0	252.6	225.3	132.6	237.9	246.3	86.3	54.7
85°	2.1	4.2	65.3	80.0	101.1	73.7	40.0	94.7	82.1	29.5	21.1
87.5°	0.0	0.0	0.0	2.1	2.1	10.5	12.6	16.8	12.6	10.5	8.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

REPORT NUMBER: P953799

CATALOG NUMBER: GALN-SB7B-730-U-AFL-HSS

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9	8227.9
2.5°	8095.2	7796.3	7505.7	7267.8	7128.8	6893.0	6737.2	6712.0	6646.7	6703.6
5°	7939.4	7404.7	6863.6	6379.3	5981.4	5467.7	5084.5	4922.4	4781.3	4829.8
7.5°	7865.7	7021.5	6179.3	5351.9	4501.3	3680.2	3069.7	2814.9	2621.2	2648.6
10°	7766.8	6623.6	5303.5	4040.2	2901.2	2090.7	1669.6	1513.8	1427.5	1429.6
12.5°	7691.0	6147.7	4286.6	2739.1	1766.4	1334.8	1204.3	1166.4	1141.1	1143.2
15°	7653.1	5587.7	3282.3	1825.4	1263.2	1130.6	1099.0	1082.2	1065.3	1063.2
17.5°	7589.9	4964.5	2402.2	1332.7	1105.3	1059.0	1031.6	1012.7	991.6	987.4
20°	7495.2	4257.1	1755.9	1126.4	1035.9	1000.1	962.2	936.9	911.6	907.4
22.5°	7320.4	3509.7	1349.6	1042.2	985.3	945.3	899.0	869.5	844.3	840.1
25°	6996.2	2808.6	1136.9	989.5	941.1	892.7	842.2	802.2	779.0	774.8
27.5°	6585.7	2206.4	1031.6	941.1	884.3	840.1	783.2	745.3	724.3	720.0
30°	6101.4	1699.0	970.6	886.4	816.9	779.0	728.5	696.9	684.3	684.3
32.5°	5579.3	1358.0	945.3	831.6	757.9	715.8	675.8	663.2	659.0	656.9
35°	5088.7	1179.0	932.7	787.4	705.3	665.3	648.5	650.6	659.0	659.0
37.5°	4652.9	1122.2	926.4	755.8	659.0	623.2	633.7	652.7	644.2	644.2
40°	4259.2	1128.5	922.2	732.7	621.1	600.0	621.1	606.4	585.3	583.2
42.5°	3958.1	1181.1	913.7	713.7	597.9	583.2	574.8	551.6	549.5	553.7
45°	3739.2	1227.4	911.6	705.3	572.7	545.3	534.8	511.6	553.7	564.2
47.5°	3480.2	1227.4	911.6	675.8	530.6	520.0	503.2	477.9	520.0	530.6
50°	3145.5	1149.5	875.8	642.1	496.9	490.6	461.1	429.5	421.1	427.4
52.5°	2722.3	1008.5	785.3	595.8	463.2	450.6	414.8	391.6	385.3	385.3
55°	2240.1	844.3	663.2	528.5	427.4	404.2	379.0	368.4	362.1	357.9
57.5°	1821.2	692.7	532.7	469.5	393.7	364.2	355.8	343.2	332.7	326.3
60°	1494.8	545.3	440.0	416.9	360.0	332.7	330.5	313.7	286.3	282.1
62.5°	1153.8	400.0	370.5	362.1	326.3	303.2	299.0	265.3	223.2	214.7
65°	814.8	311.6	299.0	317.9	290.5	269.5	259.0	208.4	164.2	157.9
67.5°	572.7	261.1	235.8	277.9	252.6	225.3	219.0	176.9	136.9	132.6
70°	408.4	212.6	193.7	237.9	202.1	197.9	185.3	147.4	111.6	107.4
72.5°	288.4	162.1	149.5	206.3	139.0	170.5	151.6	113.7	84.2	80.0
75°	212.6	115.8	105.3	120.0	101.1	128.4	107.4	75.8	52.6	50.5
77.5°	155.8	73.7	63.2	59.0	59.0	80.0	59.0	31.6	23.2	21.1
80°	109.5	33.7	29.5	25.3	23.2	18.9	8.4	4.2	2.1	2.1
82.5°	65.3	14.7	14.7	10.5	6.3	0.0	0.0	0.0	0.0	0.0
85°	14.7	6.3	6.3	2.1	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	2.1	2.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)