

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: P455393

Luminaire Tested: **GALN-SA6C-750-U-SLL-HSS**

Issue Date: 1/4/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P455393  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-21)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/4/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA6C-750-U-SLL-HSS  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(6) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 29940 lumens  
Efficiency: N/A  
Efficacy: 93.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B3 - U0 - G4

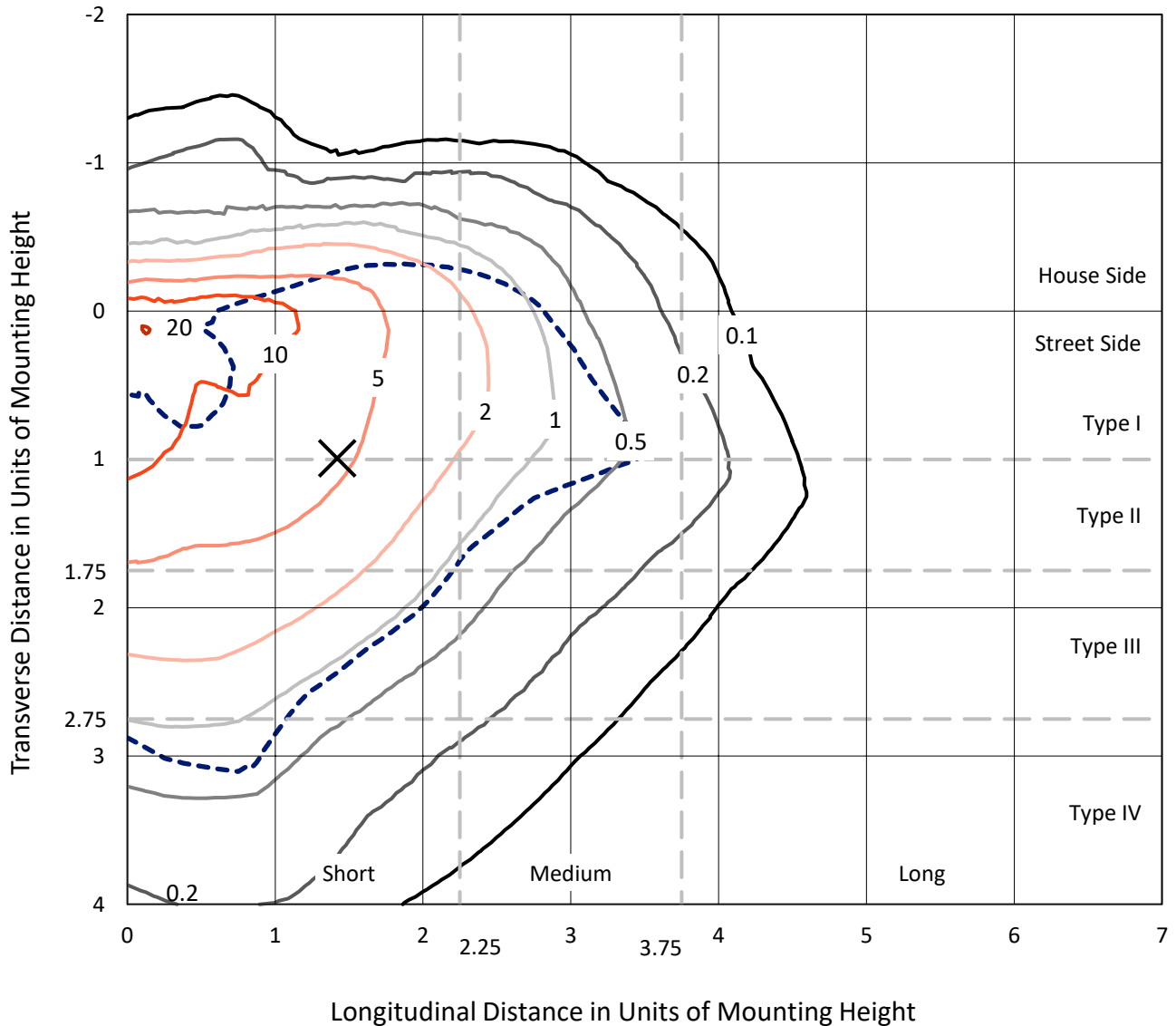
Input Watts (W): 321  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

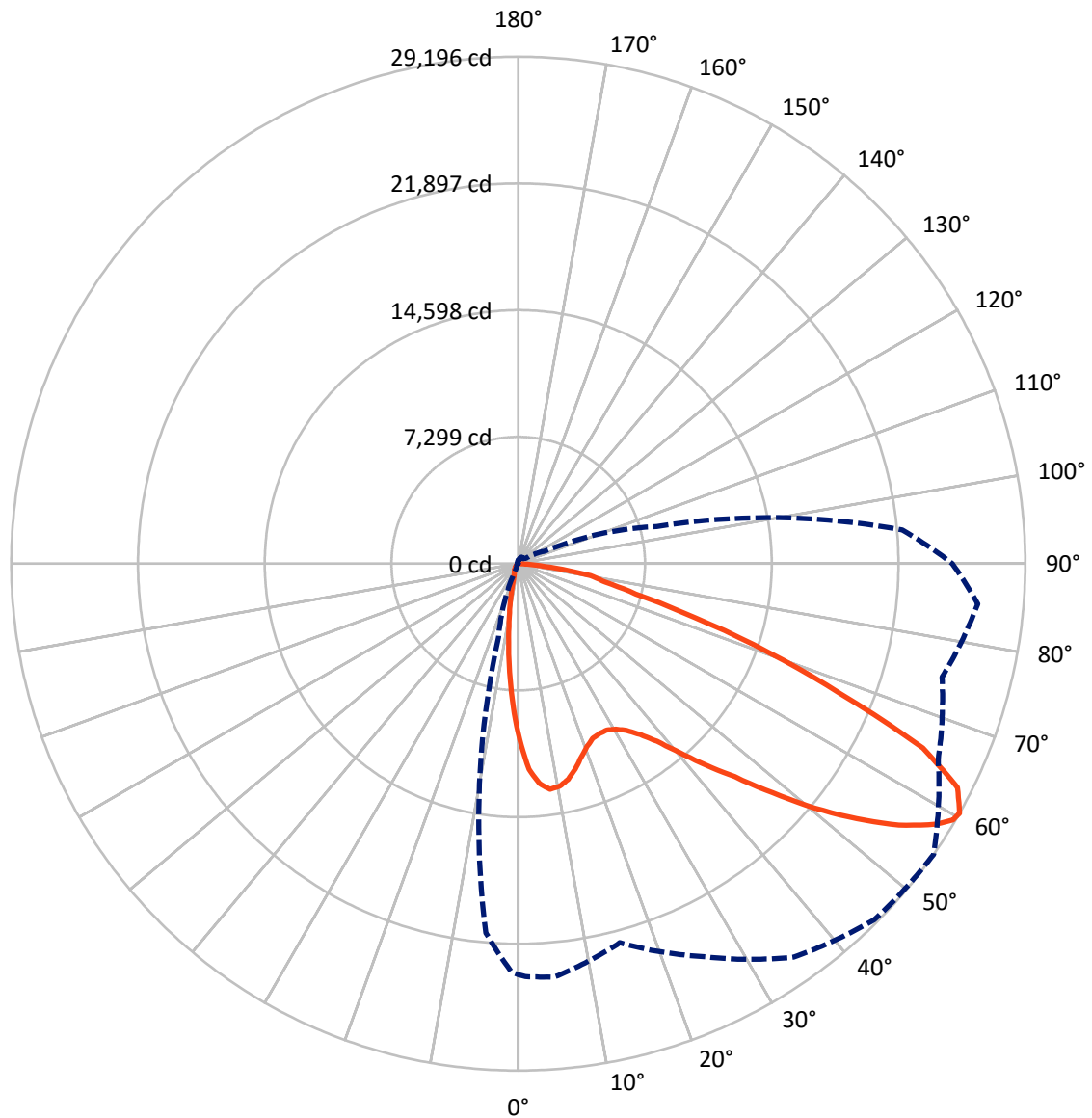
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.9 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 60-Deg Vertical



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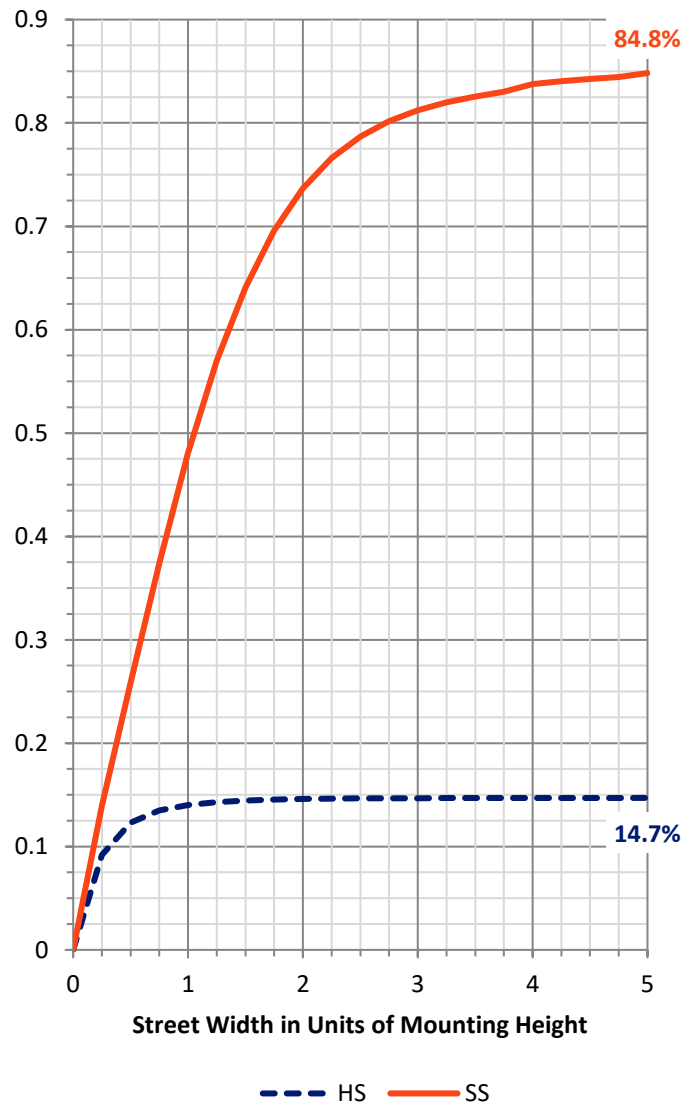
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4443.3	0.0	4443.3
	% Fixture	14.8	0.0	14.8
<b>Street Side</b>	Lumens	25496.6	0.0	25496.6
	% Fixture	85.2	0.0	85.2
<b>Total</b>	Lumens	29940.0	0.0	29940.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	750.7	2.5
10°-20°	1478.3	4.9
20°-30°	2188.2	7.3
30°-40°	3261.7	10.9
40°-50°	4776.8	16.0
50°-60°	6896.2	23.0
60°-70°	7254.4	24.2
70°-80°	2984.2	10.0
80°-90°	349.5	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°	29940.0	100.0
0°-180°	29940.0	100.0



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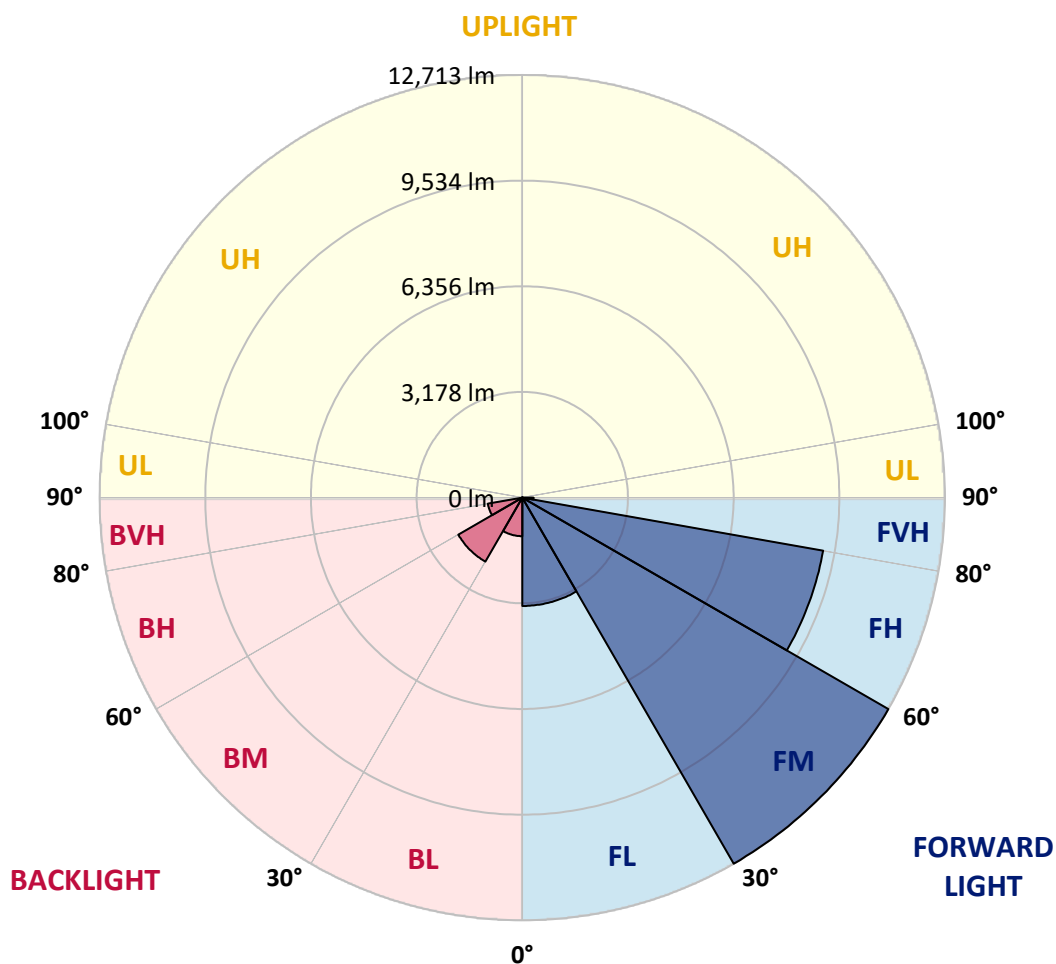
CATALOG NUMBER: GALN-SA6C-750-U-SLL-HSS

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3257.9	10.9			
FM	(30°-60°)	12712.6	42.5			
FH	(60°-80°)	9186.9	30.7			G4/12000
FVH	(80°-90°)	339.2	1.1			G3/500
BL	(0°-30°)	1159.3	3.9	B3/2500		
BM	(30°-60°)	2222.1	7.4	B2/2500		
BH	(60°-80°)	1051.7	3.5	B3/2500		G3/2500
BVH	(80°-90°)	10.3	0.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G4**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6
2.5°	11075.5	11057.1	11220.7	11488.1	11757.7	11898.3	11870.6	11859.1	11635.5	11471.9	11128.5
5°	11052.5	11147.0	11439.7	12163.3	12711.8	12976.8	13055.1	12725.6	12290.0	11658.6	10879.7
7.5°	10391.1	10508.6	10985.7	12117.2	13092.0	13668.1	13647.4	13119.7	12220.9	11243.8	10133.0
10°	9570.7	9709.0	10269.0	11642.5	12907.6	13668.1	13709.6	13041.3	11923.6	10669.9	9501.6
12.5°	8992.3	9155.9	9775.8	11200.0	12432.9	13181.9	13230.3	12746.3	11700.1	10448.7	9158.2
15°	8796.4	8950.8	9579.9	10976.4	11928.2	12331.5	12320.0	12269.3	11612.5	10501.7	9176.6
17.5°	9132.8	9259.6	9969.4	11077.8	11455.8	11414.3	11474.2	11718.5	11630.9	10946.5	9757.4
20°	10001.6	10130.7	10893.5	11389.0	11094.0	10831.3	10858.9	11266.8	11801.5	11783.0	10665.3
22.5°	11197.7	11416.6	12108.0	11992.7	11045.6	10469.5	10411.8	10941.9	12091.8	12746.3	11891.3
25°	12711.8	12933.0	13472.2	12956.0	11282.9	10384.2	10331.2	10842.8	12444.4	13686.6	13271.8
27.5°	13983.9	14152.1	14689.0	13894.0	11633.2	10421.1	10333.5	10856.6	12730.2	14486.2	14435.5
30°	15002.5	15126.9	15442.6	14331.8	11935.1	10582.4	10481.0	11059.4	12856.9	14875.7	15378.1
32.5°	15822.9	16032.6	16131.7	14799.7	12368.4	10886.6	10713.7	11448.9	13165.7	15357.3	16366.7
35°	16760.8	17002.8	16876.0	15246.7	12939.9	11361.3	11149.3	12080.3	13633.6	15802.1	17514.4
37.5°	17949.9	18228.8	17733.3	15716.9	13543.7	12075.7	11976.6	12967.6	14343.4	16438.2	18745.0
40°	19180.6	19341.9	18565.2	16288.4	14285.7	13115.0	13209.5	14285.7	15272.1	17201.0	20054.0
42.5°	20141.5	20293.6	19420.2	16767.7	15043.9	14348.0	14742.0	15875.9	16336.8	17982.2	21031.1
45°	20876.7	21005.7	20012.5	17290.8	16067.1	16134.0	16878.3	17514.4	17403.8	18459.2	21784.7
47.5°	21448.2	21558.8	20468.8	17853.1	17599.6	18318.7	19457.1	19726.7	18509.9	18975.5	22466.8
50°	21683.3	21715.5	20611.7	18569.9	19339.6	21102.5	22289.4	22125.7	19777.4	19549.3	23192.7
52.5°	21989.8	21982.9	21019.6	19252.0	20975.8	23591.4	24775.9	24404.9	21210.8	20408.9	24008.5
55°	22794.0	22803.3	21893.0	20219.9	22370.0	25601.0	26868.4	26598.8	22722.6	21860.7	24960.3
57.5°	23771.2	23805.7	23135.1	21351.4	23702.0	27057.4	28430.9	28327.2	24766.7	23476.2	25859.1
59°	23897.9	23967.0	23722.8	22148.8	24492.5	27504.5	28965.6	29067.0	25861.4	24540.9	26345.3
60°	23667.5	23782.7	23893.3	22600.5	24955.7	27665.8	28997.8	29196.0	26684.1	25264.5	26566.6
62.5°	22662.7	22844.7	23400.1	23990.1	25534.1	27163.4	27967.7	28382.5	27702.7	27165.7	26587.3
65°	21346.8	21441.3	22243.3	24236.7	24411.8	24817.4	25066.3	25598.7	26479.0	27898.6	25635.5
67.5°	19189.8	19468.6	20450.3	22805.6	21100.2	20620.9	20558.7	20028.6	22314.7	26151.7	23289.5
70°	15852.8	15977.3	17187.1	18696.6	15924.3	15186.8	15481.8	15283.6	17297.8	22512.9	18745.0
72.5°	11988.1	12269.3	13451.5	14903.4	10835.9	9879.5	10693.0	10619.2	12992.9	18092.8	12877.7
75°	8529.0	8711.1	10218.3	11663.2	7588.8	6429.6	6722.3	6996.5	9070.6	14285.7	7609.5
77.5°	5860.4	6017.1	7148.6	7713.2	5535.5	5302.7	4851.0	5116.0	5943.4	8476.0	4141.2
80°	3535.1	3528.2	4272.6	4410.9	3855.5	4477.7	3756.4	4217.3	3592.8	3627.3	1603.9
82.5°	2295.3	2272.3	2613.3	2848.4	2145.5	2256.1	1514.1	2182.4	2341.4	1011.7	507.0
85°	1027.8	1071.6	1256.0	1657.0	940.2	500.1	308.8	670.6	997.9	509.3	0.0
87.5°	106.0	83.0	221.2	403.3	129.1	13.8	46.1	23.0	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	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6
2.5°	10969.5	10835.9	10437.2	10063.9	9743.5	9351.8	9098.3	8699.6	8457.6	8383.9	8395.4
5°	10529.4	10144.5	9386.3	8780.2	8105.0	7720.2	7134.8	6572.5	6268.3	6155.4	6104.7
7.5°	9607.6	9195.1	8280.2	7328.4	6604.8	5929.5	5494.0	4998.5	4659.7	4380.9	4332.5
10°	8923.1	8381.6	7247.7	6224.5	5653.0	5146.0	4710.4	4215.0	3816.3	3498.3	3410.7
12.5°	8512.9	7906.8	6641.6	5784.4	5242.8	4722.0	4155.1	3581.2	3173.3	2830.0	2670.9
15°	8439.2	7736.3	6471.1	5468.6	4800.3	4171.2	3417.6	2797.7	2378.3	2053.3	1954.2
17.5°	8883.9	8042.8	6445.8	5139.1	4221.9	3330.0	2546.5	2032.6	1560.2	1378.1	1306.7
20°	9676.7	8584.4	6443.4	4756.5	3627.3	2564.9	1788.3	1325.1	1133.8	1046.3	1004.8
22.5°	10757.5	9321.8	6565.6	4427.0	3009.7	1892.0	1276.7	1055.5	944.9	873.4	857.3
25°	12078.0	10414.1	6865.2	4203.5	2537.3	1484.1	1053.2	903.4	811.2	778.9	765.1
27.5°	13251.0	11460.4	7194.7	3973.0	2198.5	1313.6	977.1	827.3	753.6	728.2	707.5
30°	14262.7	12409.9	7353.7	3668.8	1926.6	1203.0	990.9	884.9	788.1	712.1	677.5
32.5°	15106.2	13138.1	7457.4	3392.3	1696.1	984.0	783.5	684.4	640.7	613.0	590.0
35°	16161.6	13926.2	7395.2	3235.6	1578.6	896.5	714.4	590.0	516.2	460.9	437.9
37.5°	17267.8	14714.4	7286.9	3106.5	1525.6	831.9	679.8	560.0	479.3	421.7	391.8
40°	18413.1	15444.9	7160.2	2986.7	1477.2	790.5	659.1	534.6	454.0	391.8	359.5
42.5°	19461.7	16157.0	7109.5	2908.3	1398.8	797.4	643.0	523.1	428.6	364.1	336.5
45°	20309.8	16832.2	7178.6	2866.8	1313.6	785.8	647.6	509.3	407.9	345.7	318.0
47.5°	21215.4	17786.3	7402.1	2825.3	1230.6	730.5	682.1	507.0	398.7	334.2	304.2
50°	22268.6	19007.7	7913.7	2723.9	1129.2	670.6	725.9	504.7	387.2	320.3	290.4
52.5°	23672.1	20395.0	8441.5	2546.5	981.7	613.0	693.7	497.8	364.1	304.2	274.2
55°	24932.6	21856.1	8888.5	2336.8	795.1	530.0	624.5	467.8	324.9	276.5	248.9
57.5°	25453.5	22681.1	8874.7	2046.4	636.0	465.5	513.9	428.6	283.5	244.3	221.2
59°	25262.2	22577.4	8577.4	1832.1	580.7	430.9	426.3	424.0	265.0	221.2	202.8
60°	24992.6	22199.5	8257.1	1726.1	546.2	407.9	391.8	419.4	248.9	207.4	189.0
62.5°	23960.1	20632.4	7194.7	1546.3	500.1	345.7	313.4	354.9	221.2	179.8	163.6
65°	22464.5	18224.2	6090.9	1495.6	486.3	285.8	260.4	253.5	189.0	152.1	138.3
67.5°	19547.0	15421.9	4934.0	1461.1	490.9	239.7	228.1	191.3	156.7	126.7	117.5
70°	15650.0	12025.0	4039.8	1421.9	495.5	195.9	191.3	152.1	126.7	106.0	96.8
72.5°	9508.5	7127.9	3180.2	1235.2	481.6	156.7	170.5	115.2	92.2	76.0	71.4
75°	5878.8	4878.7	1972.7	961.0	318.0	115.2	119.8	71.4	62.2	48.4	48.4
77.5°	3406.1	3081.1	705.2	345.7	140.6	69.1	53.0	36.9	34.6	20.7	20.7
80°	1412.7	1131.5	244.3	117.5	76.0	32.3	11.5	2.3	0.0	0.0	0.0
82.5°	412.5	366.4	66.8	53.0	23.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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	0.0





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**CANDELA DISTRIBUTION (continued):**

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6
2.5°	8199.5	8123.4	8088.9	8206.4	8098.1	8236.4	8130.4	8176.5	8312.4	8372.3	8526.7
5°	6136.9	6058.6	6021.7	6199.2	6190.0	6277.5	6268.3	6349.0	6418.1	6263.7	6422.7
7.5°	4274.9	4221.9	4309.5	4447.7	4595.2	4546.8	4546.8	4438.5	4475.4	4452.3	4445.4
10°	3251.7	3069.6	3023.5	3018.9	3074.2	3085.8	3023.5	2873.7	2929.1	2945.2	3042.0
12.5°	2558.0	2417.4	2203.1	2106.3	2081.0	2101.7	1896.6	1765.3	1827.5	1790.6	1885.1
15°	1834.4	1719.2	1592.4	1484.1	1454.2	1412.7	1189.1	1032.4	1014.0	1020.9	1037.0
17.5°	1309.0	1230.6	1230.6	1115.4	1053.2	928.7	815.8	746.7	739.8	746.7	758.2
20°	965.6	924.1	919.5	889.5	820.4	737.4	659.1	645.3	640.7	652.2	656.8
22.5°	831.9	788.1	751.3	749.0	684.4	615.3	578.4	560.0	562.3	566.9	578.4
25°	744.4	698.3	659.1	636.0	590.0	541.6	507.0	497.8	497.8	504.7	507.0
27.5°	682.1	624.5	590.0	557.7	516.2	474.7	444.8	437.9	433.3	437.9	449.4
30°	638.4	580.7	537.0	488.6	456.3	417.1	391.8	382.6	380.2	382.6	391.8
32.5°	546.2	511.6	477.0	433.3	394.1	368.7	341.1	324.9	324.9	329.5	338.8
35°	412.5	394.1	391.8	380.2	348.0	320.3	288.1	271.9	271.9	281.2	285.8
37.5°	364.1	329.5	324.9	320.3	306.5	269.6	239.7	225.8	223.5	230.5	239.7
40°	331.9	292.7	271.9	267.3	269.6	228.1	195.9	182.1	182.1	184.4	193.6
42.5°	306.5	260.4	223.5	218.9	228.1	191.3	159.0	145.2	145.2	145.2	156.7
45°	285.8	232.8	189.0	165.9	179.8	156.7	129.1	115.2	110.6	115.2	119.8
47.5°	271.9	212.0	165.9	133.7	133.7	124.4	103.7	87.6	83.0	85.3	92.2
50°	260.4	193.6	140.6	108.3	96.8	99.1	78.4	66.8	62.2	62.2	69.1
52.5°	242.0	175.1	122.1	92.2	73.7	66.8	57.6	48.4	46.1	48.4	53.0
55°	218.9	159.0	106.0	76.0	57.6	46.1	41.5	34.6	32.3	34.6	41.5
57.5°	193.6	133.7	85.3	59.9	39.2	30.0	27.7	23.0	18.4	20.7	25.3
59°	177.4	119.8	73.7	48.4	30.0	20.7	20.7	16.1	11.5	13.8	20.7
60°	170.5	110.6	62.2	41.5	25.3	16.1	16.1	11.5	6.9	9.2	16.1
62.5°	145.2	92.2	48.4	25.3	11.5	2.3	6.9	2.3	0.0	2.3	6.9
65°	122.1	73.7	32.3	11.5	0.0	0.0	0.0	0.0	0.0	0.0	2.3
67.5°	101.4	55.3	16.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
70°	80.7	36.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72.5°	55.3	20.7	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
75°	34.6	6.9	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
77.5°	13.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
80°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
82.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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	0.0



REPORT NUMBER: P455393

CATALOG NUMBER: GALN-SA6C-750-U-SLL-HSS

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6	10137.6
2.5°	8536.0	8865.5	9068.3	9450.9	9842.6	10144.5	10522.5	10861.2	11001.8	11075.5
5°	6584.0	7042.6	7432.1	8015.1	8556.7	9215.8	9884.1	10672.3	10974.1	11052.5
7.5°	4620.6	5088.4	5496.3	6171.5	6943.5	7826.2	8826.3	9826.5	10266.7	10391.1
10°	3337.0	3837.0	4334.8	5010.0	5731.4	6687.7	7729.4	8966.9	9473.9	9570.7
12.5°	2106.3	2643.3	3452.2	4286.4	5049.2	5818.9	6909.0	8254.8	8814.8	8992.3
15°	1221.4	1622.4	2233.1	3320.8	4291.0	5309.6	6498.8	7987.5	8614.3	8796.4
17.5°	818.1	956.4	1375.8	2207.7	3489.0	4839.5	6395.1	8206.4	8900.1	9132.8
20°	689.1	751.3	898.8	1345.8	2687.1	4420.1	6422.7	8801.0	9711.3	10001.6
22.5°	606.1	663.7	758.2	967.9	1875.9	3899.3	6554.1	9651.3	10826.7	11197.7
25°	534.6	592.3	675.2	802.0	1260.6	3297.8	6842.1	10895.8	12303.9	12711.8
27.5°	474.7	527.7	599.2	707.5	970.2	2627.2	7097.9	12108.0	13652.0	13983.9
30°	419.4	463.2	532.3	615.3	806.6	2025.7	7227.0	13168.1	14633.7	15002.5
32.5°	364.1	405.6	472.4	539.3	663.7	1544.0	7137.1	13947.0	15587.8	15822.9
35°	311.1	354.9	410.2	472.4	573.8	1246.7	6687.7	14822.7	16576.4	16760.8
37.5°	267.3	304.2	361.8	410.2	518.5	997.9	6143.9	15610.8	17684.9	17949.9
40°	225.8	262.7	320.3	364.1	477.0	785.8	5653.0	16486.6	18853.3	19180.6
42.5°	184.4	228.1	278.8	350.3	410.2	599.2	5058.4	17196.4	19731.3	20141.5
45°	147.5	195.9	251.2	348.0	357.2	456.3	4484.6	17749.4	20508.0	20876.7
47.5°	117.5	165.9	242.0	324.9	292.7	361.8	4157.4	18327.9	21153.2	21448.2
50°	94.5	138.3	253.5	285.8	244.3	306.5	4148.1	18973.1	21487.4	21683.3
52.5°	76.0	112.9	214.3	218.9	207.4	269.6	4397.0	19699.1	21828.5	21989.8
55°	64.5	94.5	140.6	161.3	186.7	244.3	4583.7	20816.8	22641.9	22794.0
57.5°	50.7	80.7	108.3	129.1	165.9	223.5	4609.0	21678.7	23672.1	23771.2
59°	43.8	69.1	96.8	115.2	152.1	209.7	4505.3	21731.7	23738.9	23897.9
60°	36.9	62.2	85.3	108.3	140.6	198.2	4392.4	21346.8	23490.0	23667.5
62.5°	27.7	48.4	62.2	87.6	115.2	170.5	3857.8	20003.3	22538.2	22662.7
65°	18.4	34.6	46.1	64.5	89.9	147.5	3143.4	18261.0	21068.0	21346.8
67.5°	11.5	25.3	36.9	48.4	73.7	124.4	2240.0	15659.2	19010.0	19189.8
70°	6.9	16.1	27.7	39.2	57.6	99.1	1329.7	12377.6	15815.9	15852.8
72.5°	4.6	11.5	18.4	27.7	46.1	89.9	645.3	8068.1	11548.0	11988.1
75°	2.3	6.9	11.5	20.7	36.9	73.7	308.8	5390.3	8402.3	8529.0
77.5°	0.0	2.3	6.9	13.8	27.7	57.6	179.8	3539.7	5729.0	5860.4
80°	0.0	0.0	4.6	11.5	20.7	36.9	108.3	2087.9	3470.6	3535.1
82.5°	0.0	0.0	2.3	9.2	13.8	27.7	55.3	917.2	2272.3	2295.3
85°	0.0	0.0	2.3	9.2	11.5	18.4	20.7	124.4	1009.4	1027.8
87.5°	0.0	0.0	2.3	11.5	11.5	11.5	11.5	6.9	85.3	106.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)