

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: P533332

Luminaire Tested: **GALN-SA8D-730-U-SLL-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533332  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-24)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-730-U-SLL-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR LEFT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 42369 lumens  
Efficiency: N/A  
Efficacy: 85.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B4 - U0 - G3

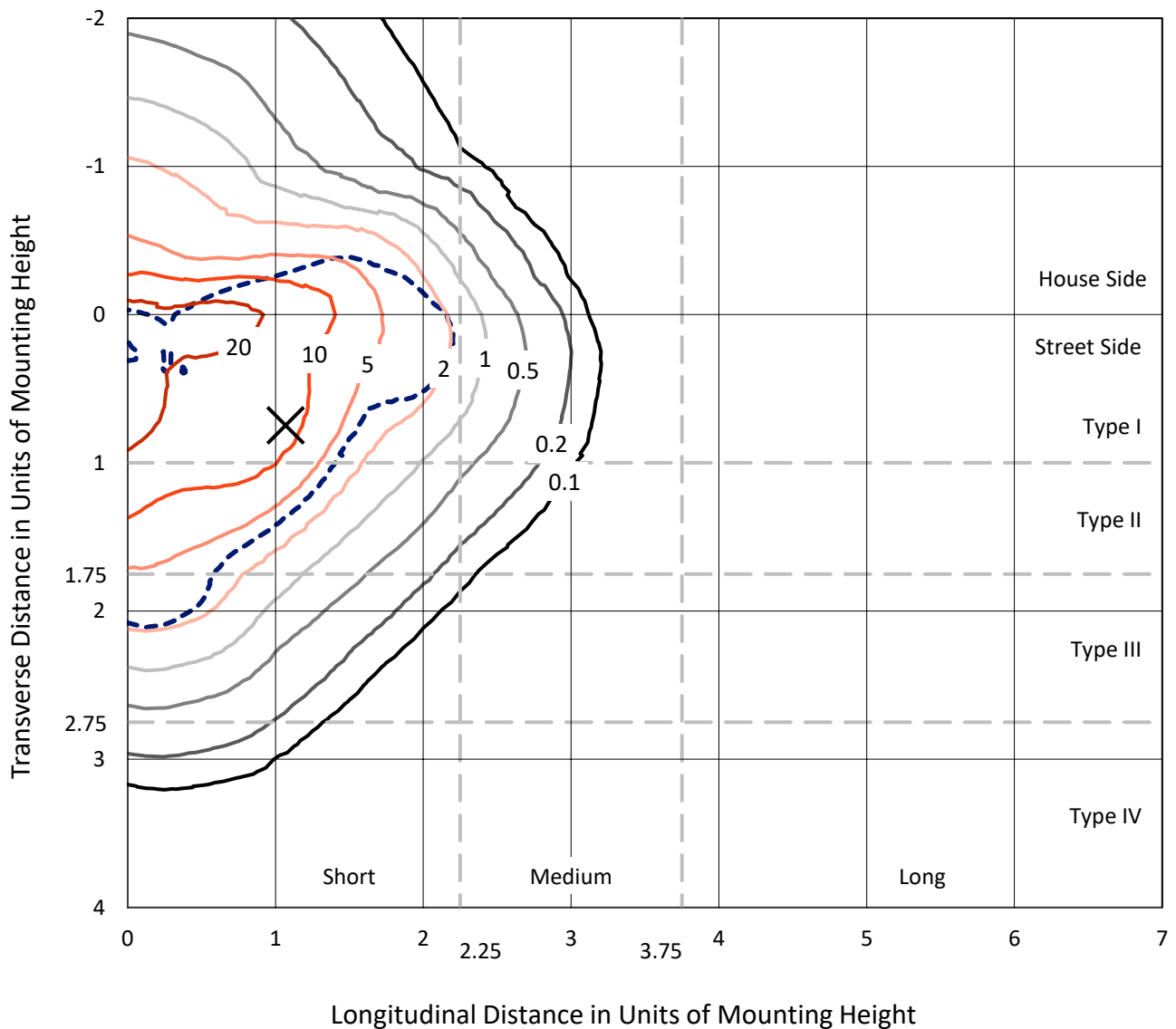
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

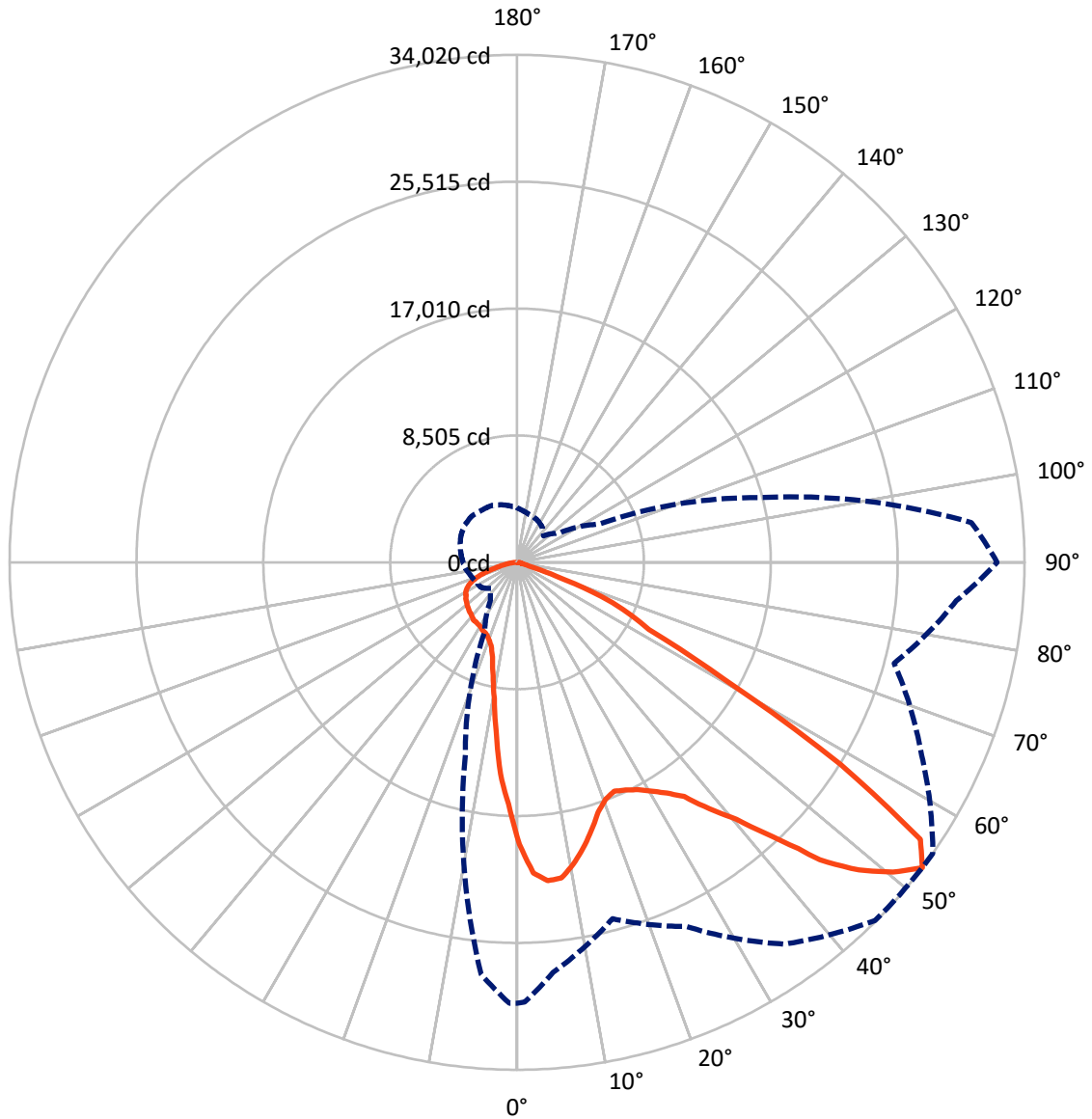
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 32.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral      - - - Horizontal Cone Through 52.5-Deg Vertical

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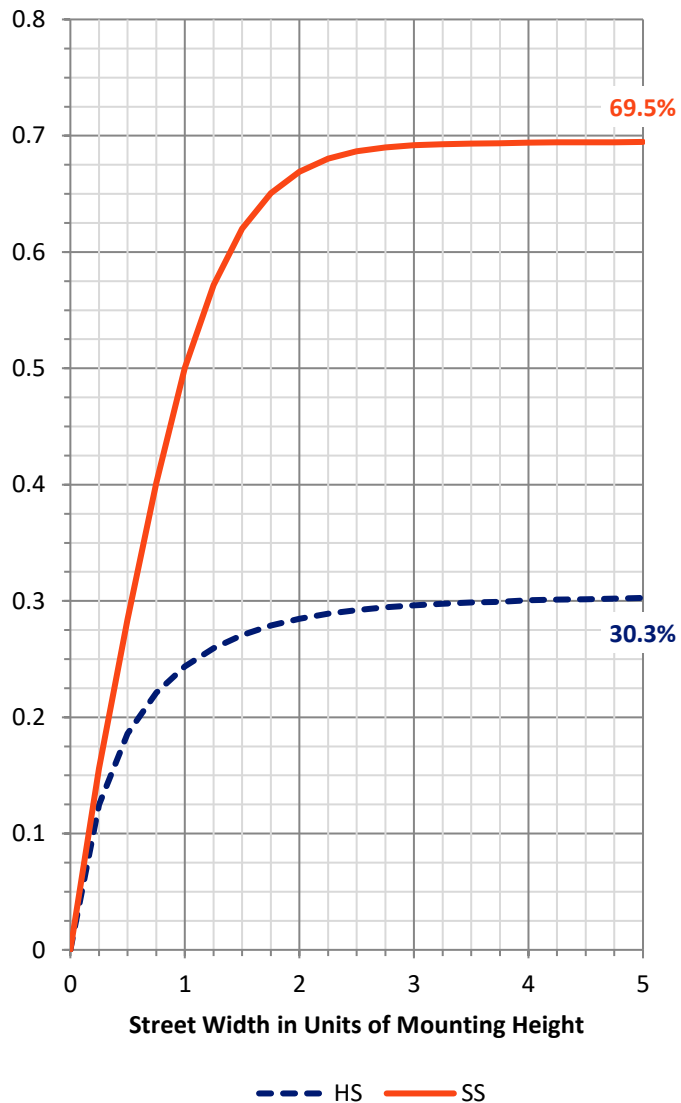
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12924.8	0.0	12924.8
	% Fixture	30.5	0.0	30.5
<b>Street Side</b>	Lumens	29444.2	0.0	29444.2
	% Fixture	69.5	0.0	69.5
<b>Total</b>	Lumens	42369.0	0.0	42369.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1443.9	3.4
10°-20°	3113.3	7.3
20°-30°	4720.7	11.1
30°-40°	6820.7	16.1
40°-50°	9114.3	21.5
50°-60°	10173.6	24.0
60°-70°	5580.7	13.2
70°-80°	1206.5	2.8
80°-90°	195.2	0.5
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°	42369.0	100.0
0°-180°	42369.0	100.0

**Coefficient of Utilization**



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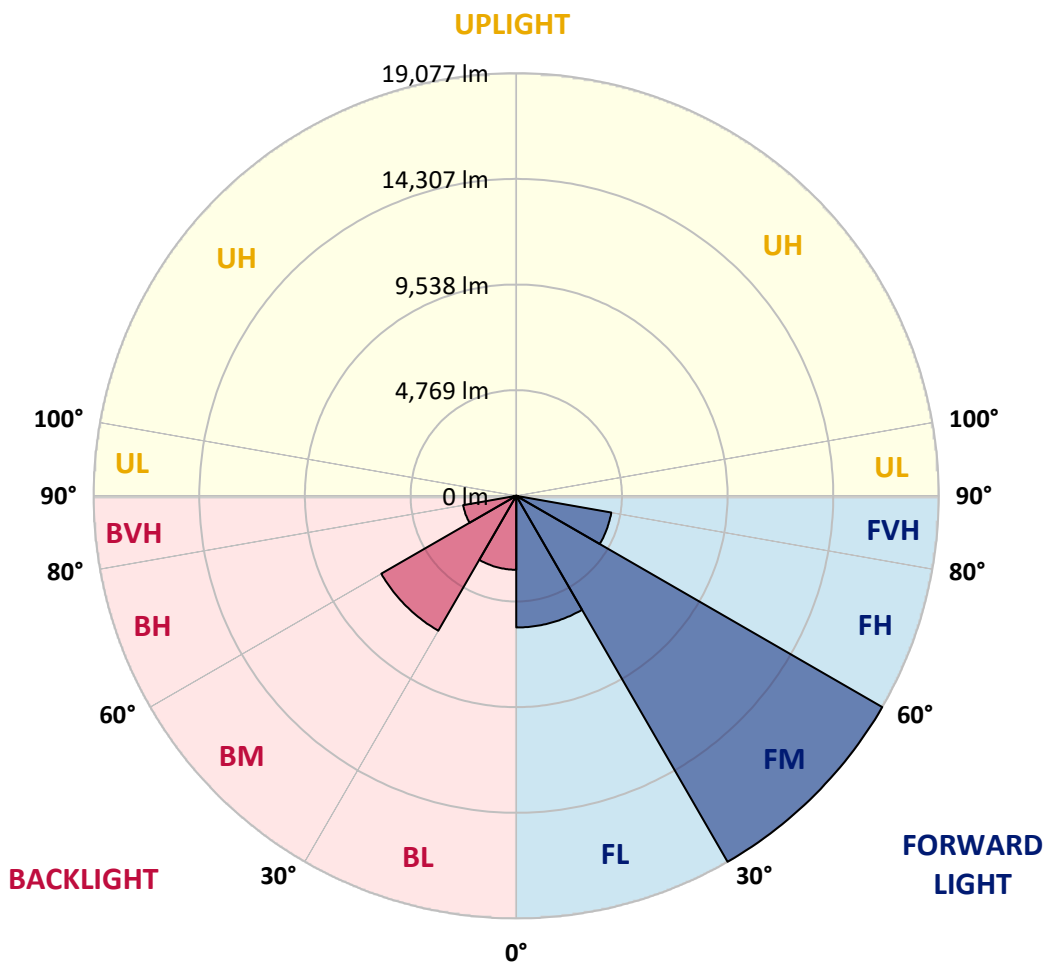
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5940.9	14.0			
FM (30°-60°)	19076.5	45.0			
FH (60°-80°)	4354.5	10.3			G2/5000
FVH (80°-90°)	72.3	0.2			G1/100
BL (0°-30°)	3337.0	7.9	B4/5000		
BM (30°-60°)	7032.2	16.6	B4/8500		
BH (60°-80°)	2432.7	5.7	B3/2500		G3/2500
BVH (80°-90°)	122.9	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G3**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9
2.5°	19834.0	19722.7	19821.6	20291.8	20564.0	20749.6	20867.2	20848.6	20403.2	19970.1	19970.1
5°	19252.5	19110.2	19314.3	20378.4	21448.7	21541.5	21696.2	21442.5	20786.7	19994.9	19005.0
7.5°	17569.7	17674.9	18015.2	19413.3	20805.3	21504.4	21690.0	21368.3	20304.2	18825.6	17371.8
10°	16115.9	16363.4	17149.1	18658.6	19939.2	20848.6	21052.8	20601.1	19759.8	17947.1	16648.0
12.5°	15614.8	15460.1	16332.4	17842.0	19066.9	19555.6	19648.4	19679.4	19110.2	17501.7	15917.9
15°	15552.9	15651.9	16332.4	17476.9	18231.7	18256.5	18411.1	18652.4	18726.6	17804.8	16258.2
17.5°	16443.8	16326.3	17025.3	17934.8	17575.9	17217.1	17254.2	17600.7	18213.1	18064.7	17328.5
20°	17761.5	18027.6	18578.2	18485.4	17520.3	16610.8	16617.0	16944.9	18151.3	19141.1	18819.4
22.5°	19951.6	20211.4	20619.7	19499.9	17520.3	16431.4	16221.1	16666.5	18547.2	20421.7	20502.2
25°	21949.8	22426.2	22537.5	21219.8	18398.7	16598.5	16462.4	16901.6	18943.2	21671.4	22432.4
27.5°	23768.7	23941.9	24430.6	22327.2	18887.5	16709.8	16697.4	17260.4	19444.3	22296.3	24158.4
30°	25203.9	25185.4	25463.8	23026.3	19667.0	17334.7	16734.6	17798.6	20100.0	23329.4	25754.5
32.5°	26181.4	26391.7	26979.5	23997.6	19994.9	17928.6	17458.4	18429.7	20898.1	23818.1	26880.5
35°	27901.3	28266.3	27523.9	24535.8	21034.2	18516.3	17965.7	19289.6	21294.0	24350.2	28260.1
37.5°	29522.1	29243.7	28489.0	24826.5	21708.5	19605.1	19091.6	20953.8	22525.2	25507.1	29175.7
40°	30561.5	30555.3	29212.8	25061.6	22184.9	21269.3	21238.4	22642.7	24034.7	26237.1	30202.6
42.5°	31013.1	31446.1	29509.8	25036.9	23187.1	23286.1	23910.9	25166.8	25104.9	26385.6	30177.9
44°	31631.7	31891.6	30023.2	25092.6	23855.3	24647.1	26119.5	26917.6	26039.1	26305.1	30147.0
45°	31607.0	31625.5	29293.2	25166.8	24424.4	25785.5	27103.2	28451.9	26861.9	26131.9	30555.3
47.5°	30883.2	30672.8	28674.6	24616.2	26200.0	28792.1	30010.9	30827.5	27876.5	25760.7	30048.0
50°	29454.1	29212.8	27171.2	24381.1	26571.1	30660.4	32343.2	32640.1	28798.3	25395.7	29546.9
52.5°	29553.1	29485.0	27598.1	24733.7	26942.3	31248.2	33945.5	34019.7	29843.8	26162.8	29553.1
55°	31322.4	31087.3	28823.0	25173.0	26670.1	30561.5	32924.7	32794.8	29491.2	25698.8	30097.5
57.5°	28662.2	28816.9	27127.9	23434.6	23341.8	24845.1	25884.4	25562.7	24610.0	23193.3	28000.2
60°	23125.3	23564.5	23725.3	19598.9	17613.1	16839.7	16530.4	15961.2	16122.1	19054.5	24597.6
62.5°	19834.0	19809.3	20817.7	17767.7	11537.9	9923.2	9774.7	9904.6	11760.6	18757.6	24090.4
65°	15726.2	16146.8	16456.2	15058.0	9131.3	7368.2	7362.0	8184.8	10176.8	15676.7	19450.5
67.5°	9985.1	10535.7	10919.2	9632.4	6106.1	5246.2	5103.9	6093.7	7052.6	10282.0	11711.1
70°	5629.7	5889.6	6062.8	5555.5	3885.1	2722.1	2561.2	2796.3	4262.5	6656.7	6941.3
72.5°	2171.5	2289.0	2524.1	2542.7	1466.2	878.5	711.5	853.7	1794.1	2635.5	2511.7
75°	334.1	358.8	507.3	606.3	420.7	321.7	340.3	352.6	501.1	680.5	569.2
77.5°	160.8	160.8	154.7	179.4	210.3	228.9	247.5	272.2	297.0	327.9	315.5
80°	105.2	105.2	105.2	123.7	154.7	185.6	210.3	222.7	235.1	259.8	247.5
82.5°	68.1	68.1	68.1	92.8	123.7	154.7	167.0	198.0	222.7	259.8	241.3
85°	37.1	37.1	37.1	61.9	92.8	129.9	123.7	99.0	55.7	6.2	12.4
87.5°	12.4	12.4	12.4	12.4	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):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9
2.5°	19450.5	19165.9	19141.1	18559.6	18039.9	17786.3	17582.1	17013.0	17136.7	16808.8	16802.6
5°	18510.1	17928.6	16988.2	16214.9	15441.6	15286.9	14612.6	14024.9	14043.4	13622.7	13697.0
7.5°	16821.2	16419.1	15274.5	14062.0	13035.0	12305.0	11667.8	11284.2	10795.5	10628.5	10541.8
10°	15750.9	15256.0	13969.2	12447.3	11296.6	10906.9	10294.4	9954.1	9453.0	9205.6	9032.3
12.5°	15280.7	14556.9	12948.4	11401.8	10634.6	10232.5	9712.9	9094.2	8500.3	8271.4	7955.9
15°	15330.2	14464.1	12651.5	10981.1	10059.3	9279.8	8815.8	8129.1	7522.8	7120.7	6891.8
17.5°	16078.8	15027.1	12787.6	10659.4	9335.5	8358.0	7448.6	6706.2	6223.6	5920.5	5846.3
20°	17848.1	16419.1	13016.5	10139.7	8611.7	7392.9	6273.1	5499.8	5128.6	5122.4	5128.6
22.5°	19320.5	17903.8	13480.5	9830.4	7887.8	6155.6	5042.0	4794.6	4720.3	4875.0	4893.5
25°	21306.4	19574.2	14278.5	9669.5	7219.7	5246.2	4559.5	4466.7	4460.5	4658.5	4664.6
27.5°	23341.8	21034.2	14754.9	9199.4	6539.2	4776.0	4268.7	4250.1	4349.1	4559.5	4540.9
30°	24727.6	22259.1	15614.8	8636.4	5734.9	4361.5	4151.2	4175.9	4312.0	4472.9	4497.6
32.5°	26342.2	23465.5	15837.5	8327.1	5240.0	4015.1	3866.6	3922.3	4095.5	4349.1	4485.2
35°	28192.0	24319.3	16177.8	7906.4	5054.4	3749.0	3674.8	3736.7	3947.0	4114.0	4262.5
37.5°	29559.2	25828.8	16239.6	7578.5	4850.2	3600.6	3483.0	3687.2	3810.9	4046.0	4120.2
40°	30573.8	26923.8	16400.5	7374.3	4689.4	3408.8	3408.8	3544.9	3711.9	3928.4	4076.9
42.5°	31223.4	27721.8	16518.0	7188.7	4380.1	3353.1	3322.2	3458.3	3681.0	3891.3	3959.4
44°	31619.4	28062.1	16400.5	7015.5	4293.5	3285.0	3285.0	3402.6	3575.8	3823.3	3903.7
45°	31718.3	28489.0	16140.7	7009.3	4188.3	3204.6	3192.2	3415.0	3532.5	3835.6	3885.1
47.5°	32101.9	29014.8	16171.6	6811.4	3934.6	3012.8	3229.4	3328.4	3433.5	3699.5	3866.6
50°	32089.5	29342.7	16103.5	6520.6	3749.0	2796.3	3155.1	3266.5	3371.7	3643.9	3711.9
52.5°	32176.1	30567.6	16728.4	6056.6	3415.0	2517.9	2907.7	3155.1	3285.0	3513.9	3656.2
55°	32132.8	31266.7	17347.0	5710.2	2944.8	2350.9	2697.3	2988.1	3173.7	3415.0	3483.0
57.5°	29348.9	27635.2	16054.0	5060.6	2437.5	2152.9	2400.4	2814.9	3050.0	3297.4	3384.0
60°	23979.0	21300.2	13239.2	3724.3	2004.4	1979.7	2233.3	2759.2	2858.2	3074.7	3223.2
62.5°	22160.2	18683.3	10498.5	2845.8	1713.7	1812.7	2060.1	2493.2	2647.8	2913.9	3050.0
65°	17340.8	12410.2	6502.0	1924.0	1509.5	1627.1	1862.1	2183.8	2437.5	2685.0	2845.8
67.5°	10269.6	6780.4	3217.0	1348.7	1317.7	1441.5	1682.7	1924.0	2214.8	2487.0	2567.4
70°	5592.6	3334.5	1373.4	1027.0	1119.8	1231.1	1466.2	1633.2	1911.6	2122.0	2258.1
72.5°	1794.1	1014.6	686.7	760.9	853.7	983.7	1125.9	1330.1	1528.1	1651.8	1763.2
75°	433.1	426.9	488.7	532.0	618.7	717.6	835.2	940.4	1095.0	1212.6	1311.5
77.5°	303.1	327.9	377.4	439.2	470.2	507.3	581.5	662.0	730.0	816.6	878.5
80°	235.1	253.6	290.8	321.7	352.6	383.6	420.7	451.6	494.9	550.6	581.5
82.5°	222.7	235.1	272.2	290.8	278.4	272.2	297.0	309.3	315.5	334.1	352.6
85°	18.6	0.0	12.4	43.3	105.2	154.7	167.0	167.0	160.8	173.2	173.2
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	6.2	24.7	18.6
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°	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9
2.5°	16728.4	16518.0	16598.5	16697.4	16555.2	16227.3	16313.9	16276.8	16610.8	16586.1	16920.2
5°	14024.9	13697.0	13734.1	14216.6	14062.0	14229.0	13894.9	13851.6	13913.5	13944.4	14000.1
7.5°	10733.6	10690.3	11061.5	11469.8	11661.6	11463.6	11135.8	11061.5	10993.5	10857.4	11166.7
10°	8760.1	8772.5	8747.8	9057.1	9273.6	9230.3	9032.3	9007.6	8877.7	8828.2	9001.4
12.5°	7819.8	7652.7	7572.3	7473.3	7640.4	7751.7	7665.1	7603.2	7609.4	7671.3	7696.0
15°	6910.4	6805.2	6632.0	6520.6	6601.0	6545.3	6514.4	6638.1	6607.2	6594.8	6743.3
17.5°	5889.6	5976.2	5963.8	5840.1	5945.3	5902.0	5895.8	5809.2	5691.6	5605.0	5654.5
20°	5215.2	5376.1	5499.8	5506.0	5561.7	5555.5	5462.7	5196.7	5110.1	5091.5	5103.9
22.5°	4974.0	5060.6	5209.1	5419.4	5419.4	5320.4	5209.1	4899.7	4819.3	4732.7	4695.6
25°	4782.2	4949.2	5141.0	5165.8	5264.7	5171.9	4992.5	4837.9	4670.8	4553.3	4553.3
27.5°	4683.2	4868.8	5011.1	5054.4	5190.5	5116.3	4930.7	4732.7	4534.7	4528.5	4423.4
30°	4639.9	4813.1	4905.9	5011.1	5073.0	4955.4	4899.7	4689.4	4491.4	4441.9	4268.7
32.5°	4510.0	4757.4	4930.7	4905.9	4955.4	4905.9	4825.5	4652.3	4429.6	4318.2	4299.6
35°	4361.5	4609.0	4794.6	4924.5	4955.4	4850.2	4800.7	4565.7	4262.5	4206.8	4015.1
37.5°	4281.1	4429.6	4658.5	4868.8	4912.1	4856.4	4689.4	4448.1	4145.0	4083.1	3916.1
40°	4182.1	4373.9	4553.3	4726.5	4856.4	4720.3	4528.5	4293.5	4157.3	3971.8	3922.3
42.5°	4107.9	4324.4	4472.9	4664.6	4813.1	4633.7	4411.0	4250.1	4058.4	3934.6	3792.3
44°	4083.1	4281.1	4380.1	4615.2	4738.9	4602.8	4417.2	4250.1	4027.4	3916.1	3792.3
45°	3996.5	4268.7	4373.9	4584.2	4689.4	4578.0	4342.9	4175.9	4015.1	3879.0	3749.0
47.5°	3909.9	4095.5	4274.9	4441.9	4516.2	4479.0	4281.1	4076.9	3885.1	3804.7	3681.0
50°	3885.1	4070.7	4237.8	4392.4	4479.0	4404.8	4225.4	4027.4	3804.7	3674.8	3569.6
52.5°	3761.4	3990.3	4175.9	4225.4	4336.8	4293.5	4157.3	3940.8	3730.5	3619.1	3532.5
55°	3582.0	3823.3	4076.9	4138.8	4299.6	4231.6	4027.4	3823.3	3643.9	3476.8	3365.5
57.5°	3513.9	3749.0	3996.5	4076.9	4175.9	4064.6	4015.1	3798.5	3513.9	3427.3	3254.1
60°	3340.7	3637.7	3841.8	4027.4	4033.6	4002.7	3916.1	3668.6	3433.5	3272.7	3148.9
62.5°	3204.6	3483.0	3643.9	3817.1	3922.3	3835.6	3749.0	3520.1	3266.5	3087.1	2944.8
65°	3006.7	3260.3	3396.4	3501.6	3619.1	3606.7	3458.3	3291.2	3025.2	2882.9	2746.8
67.5°	2703.5	2926.2	3111.8	3210.8	3285.0	3266.5	3155.1	3037.6	2765.4	2623.1	2524.1
70°	2338.5	2567.4	2685.0	2740.6	2814.9	2852.0	2765.4	2709.7	2468.4	2282.8	2190.0
72.5°	1880.7	2029.2	2202.4	2251.9	2282.8	2307.6	2307.6	2258.1	2010.6	1936.4	1775.5
75°	1385.8	1503.3	1633.2	1633.2	1688.9	1695.1	1707.5	1676.5	1491.0	1392.0	1354.9
77.5°	940.4	1027.0	1132.1	1175.4	1212.6	1206.4	1200.2	1113.6	1014.6	971.3	934.2
80°	612.5	699.1	748.6	804.2	841.4	835.2	847.6	785.7	742.4	668.1	680.5
82.5°	365.0	433.1	482.5	550.6	550.6	569.2	569.2	550.6	507.3	470.2	470.2
85°	173.2	228.9	259.8	303.1	327.9	334.1	297.0	253.6	210.3	191.8	210.3
87.5°	30.9	43.3	61.9	55.7	68.1	61.9	61.9	61.9	61.9	49.5	55.7
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: P533332

CATALOG NUMBER: GALN-SA8D-730-U-SLL-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9	18899.9
2.5°	16796.4	17105.8	17322.3	17681.1	18299.8	18794.7	19302.0	19679.4	19722.7	19834.0
5°	14204.3	14371.3	14921.9	15639.5	16146.8	16982.0	17520.3	18497.7	18862.7	19252.5
7.5°	11092.4	11364.7	12100.9	12583.4	13697.0	14742.5	15825.1	17031.5	17514.1	17569.7
10°	9354.0	9750.0	10251.1	11024.4	11630.7	12793.7	14142.4	15484.9	16023.1	16115.9
12.5°	8215.7	8723.0	9391.2	9947.9	10529.5	11544.1	12837.1	14495.0	15194.1	15614.8
15°	7120.7	7646.6	8382.7	9156.1	9669.5	10882.1	12404.0	14272.3	15181.7	15552.9
17.5°	5994.7	6483.5	7089.8	7924.9	8958.1	10319.1	12335.9	15014.7	16010.7	16443.8
20°	5029.6	5301.9	6007.1	6867.0	8160.0	9743.8	12360.7	16109.7	17569.7	17761.5
22.5°	4652.3	4714.1	4992.5	5784.4	7201.1	9156.1	12799.9	17662.5	19320.5	19951.6
25°	4361.5	4349.1	4423.4	4955.4	6502.0	8927.2	13233.0	19091.6	21263.1	21949.8
27.5°	4200.7	4076.9	4083.1	4584.2	6007.1	8556.0	13789.8	20731.1	23465.5	23768.7
30°	4120.2	4095.5	4021.2	4225.4	5468.9	7999.2	13882.6	22345.7	24764.7	25203.9
32.5°	4070.7	3829.5	3736.7	3810.9	4961.6	7392.9	14229.0	23409.8	26373.2	26181.4
35°	3823.3	3606.7	3544.9	3619.1	4602.8	7052.6	14000.1	24337.8	27579.6	27901.3
37.5°	3730.5	3538.7	3415.0	3353.1	4268.7	6768.1	13882.6	25766.9	28748.8	29522.1
40°	3643.9	3439.7	3291.2	3229.4	4008.9	6390.7	13845.5	26868.1	30097.5	30561.5
42.5°	3544.9	3415.0	3247.9	3136.6	3693.4	6013.3	13418.6	27208.4	30512.0	31013.1
44°	3513.9	3316.0	3142.8	3105.6	3569.6	5821.5	13332.0	27517.7	30870.8	31631.7
45°	3483.0	3297.4	3099.5	3050.0	3526.3	5716.4	13214.4	27591.9	31464.7	31607.0
47.5°	3396.4	3278.9	3087.1	2951.0	3433.5	5487.5	12861.8	27171.2	30858.4	30883.2
50°	3328.4	3192.2	2994.3	2728.3	3309.8	5295.7	13022.6	27016.6	29398.4	29454.1
52.5°	3254.1	3050.0	2938.6	2480.8	3105.6	5134.8	13362.9	27715.7	29565.4	29553.1
55°	3167.5	2944.8	2672.6	2270.5	2765.4	4930.7	14185.7	29095.3	31112.1	31322.4
57.5°	3031.4	2839.6	2449.9	2084.9	2375.6	4540.9	13919.7	26453.6	28625.1	28662.2
60°	2852.0	2672.6	2221.0	1942.6	1948.8	3582.0	12447.3	20613.5	22587.0	23125.3
62.5°	2678.8	2579.8	2029.2	1738.4	1658.0	2852.0	10523.3	17130.5	19388.6	19834.0
65°	2474.6	2233.3	1862.1	1583.8	1422.9	1998.2	7454.8	12799.9	15126.1	15726.2
67.5°	2214.8	1954.9	1639.4	1392.0	1218.7	1336.3	3848.0	7275.4	9632.4	9985.1
70°	1936.4	1695.1	1379.6	1175.4	983.7	921.8	1695.1	3470.6	5264.7	5629.7
72.5°	1589.9	1367.2	1101.2	928.0	736.2	637.2	569.2	928.0	1868.3	2171.5
75°	1150.7	996.0	829.0	662.0	519.7	408.3	334.1	278.4	309.3	334.1
77.5°	847.6	723.8	612.5	470.2	365.0	290.8	228.9	173.2	167.0	160.8
80°	662.0	587.7	488.7	377.4	284.6	216.5	160.8	117.5	105.2	105.2
82.5°	519.7	482.5	402.1	309.3	235.1	173.2	117.5	80.4	68.1	68.1
85°	198.0	198.0	290.8	253.6	179.4	123.7	80.4	43.3	37.1	37.1
87.5°	49.5	49.5	49.5	49.5	43.3	37.1	37.1	18.6	12.4	12.4
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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