

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: P532476

Luminaire Tested: **GALN-SA7D-750-U-SLR-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P532476  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-26)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA7D-750-U-SLR-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 70 CRI, 5000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT  
ELIMINATOR RIGHT OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 40129 lumens  
Efficiency: N/A  
Efficacy: 92.7 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B4 - U0 - G3

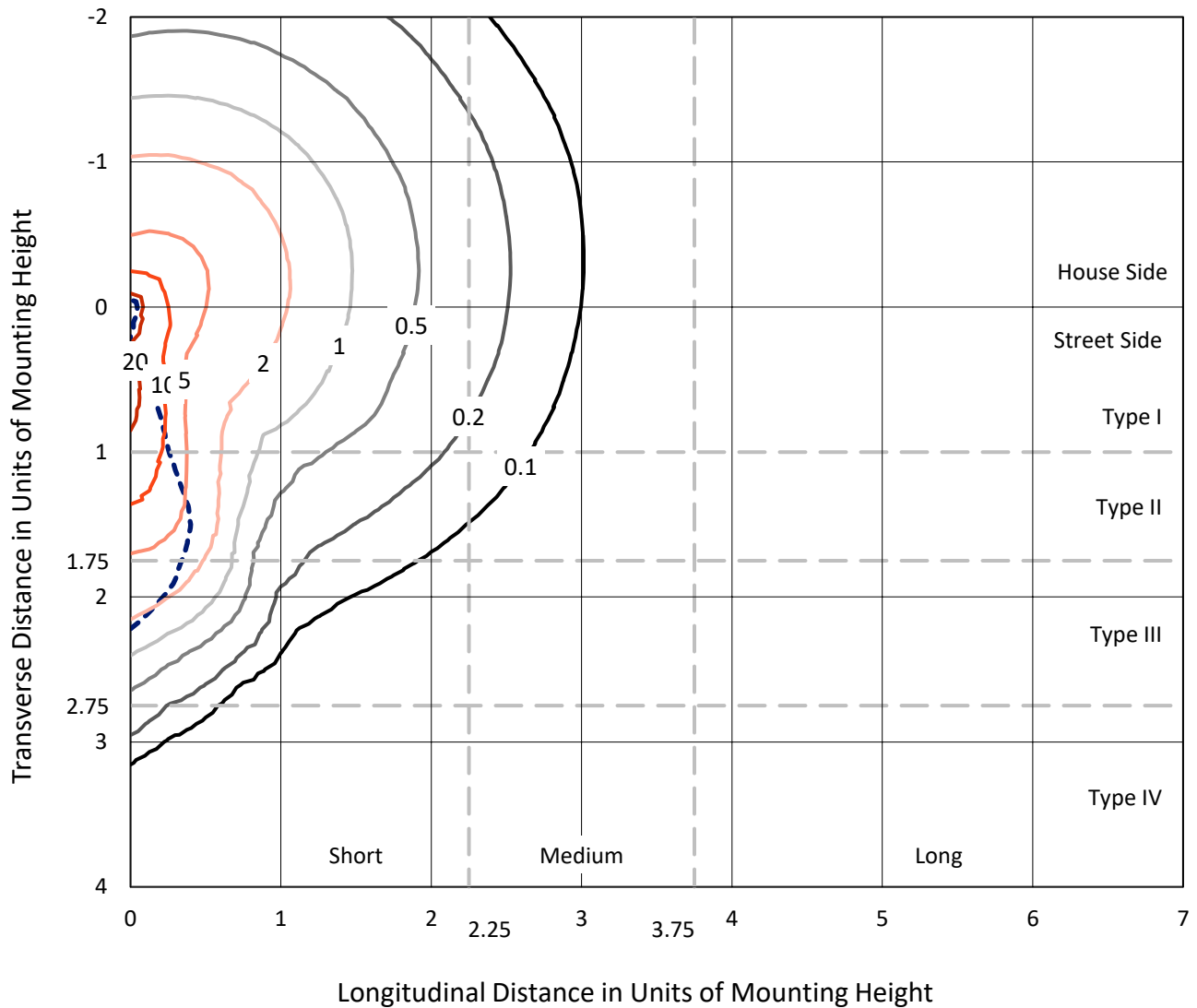
Input Watts (W): 433  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

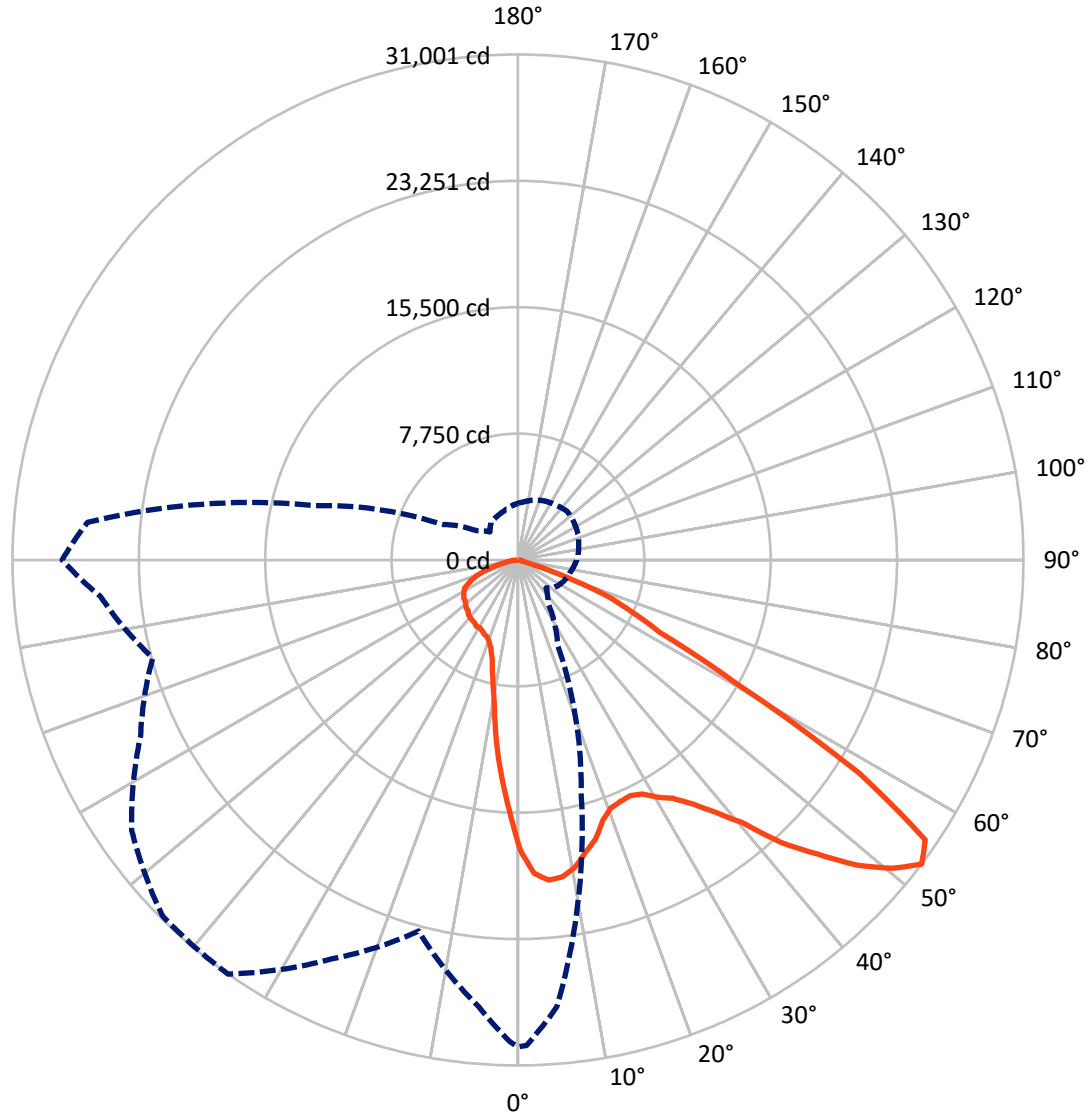
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.5 fc  
 Type III - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 325-Deg Lateral    - - - Horizontal Cone Through 52.5-Deg Vertical

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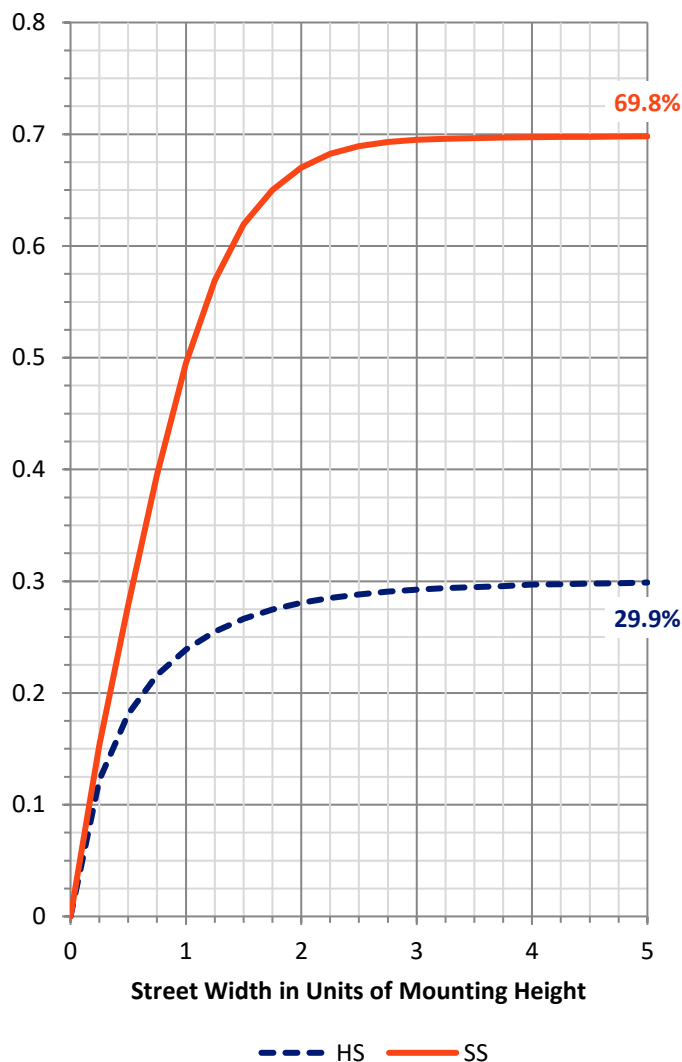
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	12097.2	0.0	12097.2
	% Fixture	30.1	0.0	30.1
<b>Street Side</b>	Lumens	28031.8	0.0	28031.8
	% Fixture	69.9	0.0	69.9
<b>Total</b>	Lumens	40129.0	0.0	40129.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1358.7	3.4
10°-20°	2945.5	7.3
20°-30°	4450.4	11.1
30°-40°	6431.0	16.0
40°-50°	8558.5	21.3
50°-60°	9572.9	23.9
60°-70°	5395.2	13.4
70°-80°	1202.7	3.0
80°-90°	214.2	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°	40129.0	100.0
0°-180°	40129.0	100.0

**Coefficient of Utilization**



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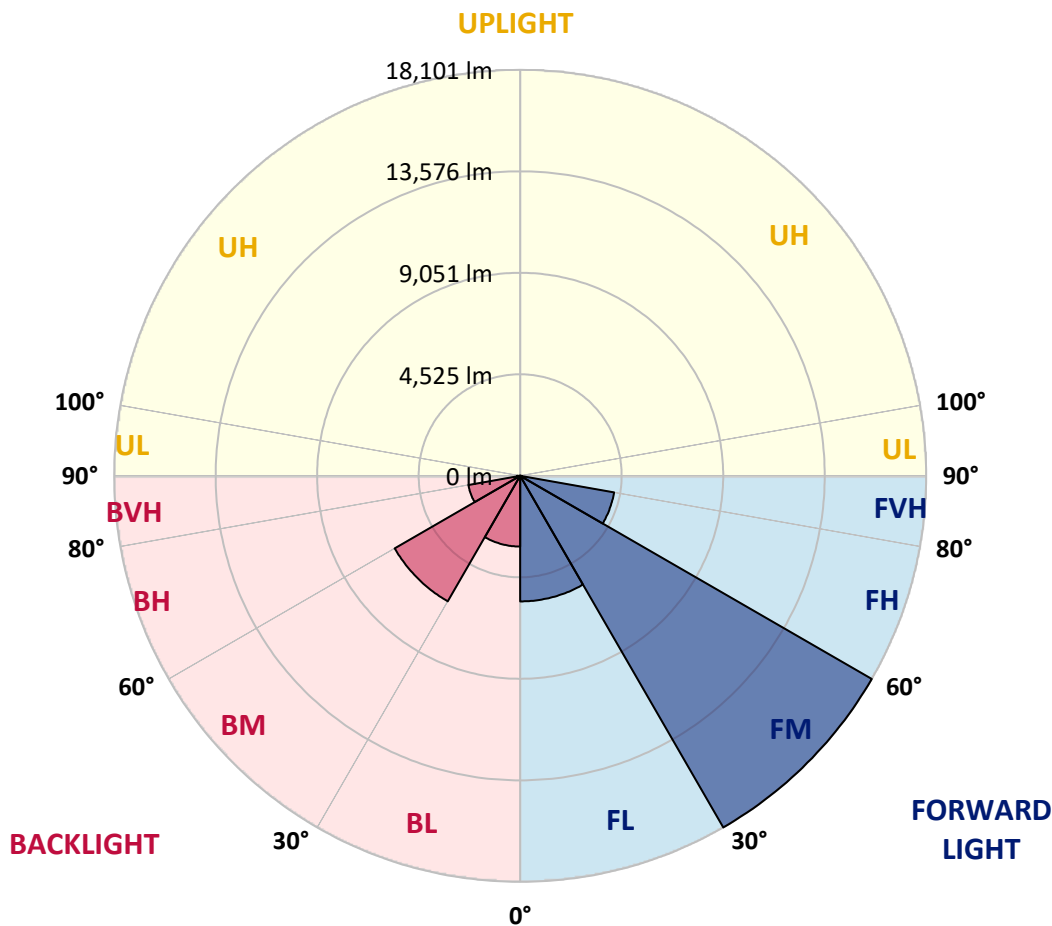
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5599.9	14.0			
FM (30°-60°)	18101.3	45.1			
FH (60°-80°)	4253.1	10.6			G2/5000
FVH (80°-90°)	77.6	0.2			G1/100
BL (0°-30°)	3154.7	7.9	B4/5000		
BM (30°-60°)	6461.1	16.1	B4/8500		
BH (60°-80°)	2344.8	5.8	B3/2500		G3/2500
BVH (80°-90°)	136.6	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 III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5
2.5°	18106.1	18396.9	18082.9	17524.5	17129.0	16768.4	16390.3	16314.7	15820.3	15733.1	15372.5
5°	17076.6	17012.7	16628.8	15895.9	15087.5	14354.6	13813.7	13290.2	12935.4	12522.5	12493.4
7.5°	15826.1	15453.9	15232.9	14122.0	13121.6	11969.9	11475.6	10678.7	10428.6	10056.4	9864.4
10°	14709.4	14436.0	13918.4	12807.5	11411.6	10649.6	10120.4	9689.9	9399.1	9015.3	8532.5
12.5°	14156.9	14046.4	13464.7	11743.1	10707.8	9893.5	9521.3	9102.5	8608.1	7991.6	7753.1
15°	14255.7	13883.5	13441.5	11539.5	10108.7	9323.5	8730.3	8206.8	7572.8	6985.4	6642.2
17.5°	14994.4	14709.4	13825.3	11667.5	9881.9	8747.7	7671.7	6898.1	6328.1	5798.8	5560.4
20°	16448.5	16035.5	15040.9	11830.3	9393.3	7945.1	6712.0	5758.1	5147.4	4868.2	4786.8
22.5°	18059.6	17815.3	16227.5	12196.8	9003.6	7200.6	5694.2	4740.3	4513.4	4437.8	4589.1
25°	20019.7	19385.7	18071.2	12795.9	8701.2	6566.6	4833.3	4304.1	4187.7	4263.3	4437.8
27.5°	21508.7	21340.0	19362.4	13360.0	8288.2	5804.7	4350.6	4001.6	4036.5	4112.1	4275.0
30°	23276.8	22421.8	20613.0	13749.7	7916.0	5281.2	4013.2	3920.2	3955.1	4083.0	4164.5
32.5°	24341.2	24021.3	21398.2	14337.2	7485.6	4827.5	3751.5	3664.3	3716.6	3908.6	4100.5
35°	25696.4	25062.4	22369.5	14488.4	7183.1	4647.2	3565.4	3501.4	3623.6	3757.3	3972.5
37.5°	27278.4	26842.2	23713.0	14383.7	7020.3	4461.1	3408.3	3379.3	3466.5	3652.6	3902.7
40°	28214.8	28081.1	24416.8	14447.7	6764.4	4298.2	3228.0	3262.9	3443.2	3588.7	3832.9
42.5°	29116.4	28243.9	25457.9	14424.4	6601.5	4077.2	3245.5	3204.8	3344.4	3513.0	3745.7
45°	29314.1	28447.5	25702.2	14261.6	6403.7	3862.0	3111.7	3129.2	3297.8	3507.2	3658.4
47.5°	29186.2	28546.4	26155.9	14215.0	6217.6	3710.8	2914.0	3123.4	3222.2	3390.9	3606.1
50°	29098.9	29064.0	26539.8	14436.0	5967.5	3472.3	2675.5	3047.7	3146.6	3315.3	3547.9
52.5°	29866.7	29791.1	27499.4	15017.7	5769.8	3216.4	2431.2	2855.8	3094.3	3257.1	3484.0
55°	30332.0	30000.5	29145.5	15733.1	5438.2	2879.1	2262.5	2617.3	2966.3	3111.7	3344.4
57.5°	27284.2	27057.4	26365.3	14686.1	4879.9	2437.0	2053.2	2373.0	2791.8	3018.7	3257.1
60°	22701.0	22346.2	20572.2	12481.8	3600.3	1896.1	1925.2	2181.1	2745.3	2832.5	3111.7
62.5°	21404.0	20525.7	18111.9	10044.7	2762.7	1628.6	1727.4	2006.6	2501.0	2646.4	2925.6
65°	16983.6	16332.2	12958.7	7252.9	1849.6	1413.4	1576.2	1808.9	2157.8	2442.8	2698.8
67.5°	10632.2	10009.8	6915.6	3431.6	1291.2	1209.8	1407.5	1651.8	1936.8	2192.7	2477.7
70°	5554.6	4874.1	3193.1	1238.9	889.9	988.8	1174.9	1407.5	1686.7	1896.1	2117.1
72.5°	2070.6	1680.9	1041.1	535.1	616.5	756.1	953.9	1122.5	1320.3	1576.2	1698.4
75°	319.9	273.4	267.5	325.7	418.8	546.7	680.5	849.2	1023.7	1186.5	1268.0
77.5°	151.2	145.4	162.9	215.2	279.2	389.7	494.4	657.2	796.8	901.5	948.1
80°	98.9	93.1	104.7	145.4	209.4	290.8	395.5	506.0	634.0	721.2	709.6
82.5°	58.2	64.0	64.0	98.9	145.4	209.4	285.0	383.9	471.1	546.7	500.2
85°	34.9	29.1	29.1	58.2	98.9	168.7	238.5	162.9	168.7	168.7	191.9
87.5°	11.6	11.6	11.6	5.8	11.6	11.6	17.4	29.1	34.9	40.7	52.3
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°	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5
2.5°	15360.8	15541.1	15477.2	15250.3	15424.8	15453.9	15337.6	15738.9	15814.5	15692.4	15727.3
5°	12452.7	12499.2	12603.9	12824.9	12982.0	13168.1	13168.1	13179.7	13022.7	13418.2	13301.9
7.5°	9701.6	9730.7	9852.8	10323.9	10457.7	10812.5	10963.7	10859.0	10544.9	10411.2	10521.7
10°	8375.5	8206.8	8166.1	8224.2	8526.7	8677.9	8805.9	8771.0	8718.6	8613.9	8497.6
12.5°	7491.4	7369.2	7270.4	7130.8	7148.2	7293.6	7392.5	7311.1	7334.3	7357.6	7392.5
15°	6531.7	6444.5	6392.1	6182.7	6159.5	6258.3	6293.2	6339.8	6427.0	6432.8	6392.1
17.5°	5513.8	5438.2	5554.6	5670.9	5589.5	5595.3	5659.3	5700.0	5676.7	5572.0	5519.7
20°	4815.9	4897.3	5013.6	5124.2	5211.4	5263.7	5287.0	5223.0	5147.4	4932.2	4926.4
22.5°	4612.3	4717.0	4815.9	4984.6	5066.0	5199.8	5077.6	4932.2	4827.5	4722.8	4600.7
25°	4461.1	4548.3	4746.1	4810.1	4967.1	5077.6	4990.4	4845.0	4664.7	4513.4	4420.4
27.5°	4350.6	4449.5	4577.4	4751.9	4874.1	4938.0	4850.8	4792.6	4606.5	4426.2	4292.4
30°	4280.8	4385.5	4618.1	4763.5	4868.2	4920.6	4769.4	4699.6	4565.8	4414.6	4298.2
32.5°	4234.3	4327.3	4525.1	4711.2	4781.0	4781.0	4804.3	4722.8	4536.7	4280.8	4181.9
35°	4083.0	4211.0	4373.9	4589.1	4717.0	4792.6	4676.3	4583.2	4461.1	4199.4	4019.1
37.5°	3995.8	4083.0	4292.4	4496.0	4606.5	4687.9	4641.4	4478.5	4315.7	4100.5	3955.1
40°	3902.7	4042.3	4228.4	4420.4	4542.5	4624.0	4589.1	4397.1	4199.4	3995.8	3896.9
42.5°	3838.8	3931.8	4123.8	4339.0	4484.4	4641.4	4536.7	4298.2	4158.7	3879.5	3769.0
45°	3786.4	3937.6	4141.2	4228.4	4379.7	4542.5	4356.4	4211.0	4048.1	3844.6	3751.5
47.5°	3722.4	3862.0	3995.8	4228.4	4298.2	4373.9	4339.0	4106.3	3966.7	3745.7	3681.7
50°	3699.2	3751.5	3995.8	4123.8	4222.6	4298.2	4205.2	4030.7	3896.9	3670.1	3530.5
52.5°	3606.1	3705.0	3862.0	4030.7	4152.8	4245.9	4094.7	3984.2	3803.9	3565.4	3478.1
55°	3489.8	3547.9	3827.1	4001.6	4065.6	4129.6	4071.4	3891.1	3705.0	3460.7	3373.5
57.5°	3338.6	3472.3	3699.2	3943.4	4024.9	4059.8	3966.7	3821.3	3588.7	3373.5	3233.9
60°	3181.5	3321.1	3571.2	3769.0	3850.4	3978.3	3838.8	3751.5	3484.0	3245.5	3094.3
62.5°	3024.5	3181.5	3367.6	3617.7	3687.5	3739.9	3705.0	3582.8	3367.6	3100.1	2914.0
65°	2838.4	2954.7	3187.3	3315.3	3361.8	3484.0	3361.8	3315.3	3123.4	2867.4	2710.4
67.5°	2559.2	2658.0	2861.6	2983.8	3018.7	3071.0	3065.2	3012.8	2797.6	2623.1	2483.6
70°	2239.3	2326.5	2454.5	2599.9	2617.3	2681.3	2623.1	2611.5	2471.9	2233.5	2157.8
72.5°	1797.2	1878.7	2047.3	2111.3	2117.1	2140.4	2111.3	2070.6	2035.7	1785.6	1710.0
75°	1378.5	1425.0	1506.4	1564.6	1564.6	1593.7	1576.2	1535.5	1442.4	1285.4	1209.8
77.5°	959.7	1006.2	1110.9	1145.8	1140.0	1151.6	1099.3	1058.6	919.0	837.5	773.6
80°	698.0	727.0	779.4	802.6	808.5	825.9	761.9	727.0	645.6	552.5	523.5
82.5°	506.0	523.5	529.3	558.4	558.4	529.3	511.8	476.9	418.8	360.6	337.3
85°	209.4	215.2	221.0	255.9	261.7	314.1	290.8	273.4	238.5	203.6	186.1
87.5°	52.3	58.2	75.6	64.0	75.6	75.6	81.4	93.1	93.1	75.6	75.6
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°	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5
2.5°	15861.0	15907.6	16500.8	16576.4	16867.3	17163.9	17763.0	18193.4	18542.4	18769.2	18833.2
5°	13424.0	13720.6	13994.0	14436.0	14837.4	15407.4	16064.6	16878.9	17902.6	18426.0	18635.4
7.5°	10510.0	10859.0	11254.5	11684.9	12272.4	13296.1	14174.3	15116.6	16425.2	16966.1	17786.2
10°	8579.0	8968.7	9492.2	9823.7	10533.3	11510.4	12534.1	13621.8	14872.3	15651.7	16599.7
12.5°	7584.4	7904.3	8387.1	9085.1	9614.3	10248.3	11010.2	12382.9	14174.3	14913.0	15564.4
15°	6485.2	6840.0	7398.3	8171.9	8805.9	9562.0	10417.0	11911.8	13819.5	14959.5	15512.1
17.5°	5577.8	5833.7	6421.2	7090.1	7817.1	8643.0	9870.3	11888.5	14191.8	15651.7	16553.2
20°	4949.7	4984.6	5304.5	5874.5	6863.2	7939.2	9532.9	11772.2	15384.1	16844.0	17984.0
22.5°	4554.2	4519.3	4525.1	5007.8	5700.0	7247.1	9003.6	12167.7	16739.3	18740.1	19507.9
25°	4356.4	4263.3	4205.2	4309.9	4938.0	6427.0	8602.3	12691.2	18199.2	20304.7	21246.9
27.5°	4251.7	4088.9	3972.5	3990.0	4449.5	6014.0	8352.2	12918.0	19647.4	22485.8	22817.3
30°	4211.0	4007.4	3838.8	3780.6	4083.0	5438.2	7817.1	13307.7	20944.5	23684.0	23969.0
32.5°	4065.6	3815.5	3652.6	3600.3	3722.4	4932.2	7433.2	13586.9	22090.3	24986.8	24887.9
35°	3896.9	3687.5	3484.0	3385.1	3472.3	4606.5	7125.0	13453.1	23439.7	25998.8	25946.5
37.5°	3879.5	3606.1	3437.4	3274.6	3268.8	4205.2	6706.2	13581.1	24300.5	27813.5	27098.1
40°	3728.2	3553.8	3332.7	3199.0	3123.4	4001.6	6299.0	13278.6	25562.6	28546.4	27842.6
42.5°	3734.1	3472.3	3280.4	3123.4	3047.7	3705.0	6019.9	13197.2	26004.7	29738.7	28191.6
45°	3641.0	3385.1	3222.2	3036.1	2995.4	3478.1	5752.3	12819.1	26784.0	29796.9	27755.4
47.5°	3547.9	3321.1	3146.6	2925.6	2832.5	3396.7	5542.9	12505.0	26376.9	29250.2	27150.5
50°	3484.0	3222.2	3059.4	2902.3	2640.6	3257.1	5269.6	12429.4	25806.9	28511.5	26027.9
52.5°	3373.5	3140.8	2972.1	2850.0	2431.2	3129.2	5164.9	12871.5	26504.9	27958.9	25702.2
55°	3268.8	3030.3	2815.1	2576.6	2256.7	2791.8	4874.1	13284.4	27522.7	29232.7	27179.5
57.5°	3158.2	2931.4	2698.8	2413.8	2088.1	2442.8	4571.6	13360.0	25615.0	27016.7	25801.1
60°	3012.8	2722.0	2547.5	2175.3	1907.7	2024.1	3623.6	11778.0	19868.5	22561.4	22602.1
62.5°	2850.0	2535.9	2384.7	1948.5	1721.6	1744.9	2954.7	9899.3	16117.0	18676.1	19787.0
65°	2634.8	2332.3	2152.0	1803.1	1587.8	1512.2	2163.7	7252.9	12243.3	15151.4	16413.6
67.5°	2355.6	2070.6	1843.8	1570.4	1419.2	1297.0	1477.3	4083.0	7229.7	10172.7	10556.6
70°	2059.0	1814.7	1576.2	1349.4	1180.7	1093.5	1081.8	1808.9	3454.9	5473.1	6229.3
72.5°	1622.7	1448.3	1256.3	1087.6	977.1	849.2	773.6	750.3	1169.1	2227.6	3076.8
75°	1163.3	1017.9	907.3	796.8	715.4	645.6	587.4	535.1	488.6	558.4	767.8
77.5°	732.9	680.5	593.3	564.2	517.7	500.2	476.9	447.9	413.0	389.7	389.7
80°	494.4	459.5	430.4	424.6	407.1	401.3	407.1	378.1	343.2	314.1	325.7
82.5°	331.5	325.7	319.9	314.1	319.9	325.7	337.3	331.5	302.4	285.0	290.8
85°	197.8	209.4	221.0	232.7	255.9	226.8	186.1	157.0	139.6	128.0	122.1
87.5°	75.6	104.7	93.1	87.2	93.1	87.2	81.4	75.6	64.0	58.2	58.2
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: P532476

CATALOG NUMBER: GALN-SA7D-750-U-SLR-GRSWH

**CANDELA DISTRIBUTION (continued):**

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5	17809.5
2.5°	19257.8	19374.1	19473.0	19449.7	19246.1	18972.8	18862.2	18298.1	18181.7	18106.1
5°	19519.5	20194.2	20339.6	20252.3	19723.1	19054.2	18402.8	17576.8	17094.1	17076.6
7.5°	19036.7	19868.5	20130.2	20328.0	19624.2	18460.9	17344.2	16105.3	15802.9	15826.1
10°	17809.5	19135.6	19781.2	19984.8	19176.3	18170.1	16623.0	15366.7	14721.0	14709.4
12.5°	17129.0	18170.1	18350.4	18635.4	18396.9	17379.1	16204.2	14796.7	14168.5	14156.9
15°	16524.1	17210.4	17262.8	17664.1	17792.0	17105.7	16314.7	14814.1	14308.1	14255.7
17.5°	17053.4	16576.4	16378.7	16431.0	16809.1	17059.2	16954.5	15802.9	15285.2	14994.4
20°	17408.2	16343.8	15744.7	15802.9	16250.7	17163.9	17908.4	17233.7	16413.6	16448.5
22.5°	18356.2	16378.7	15442.3	15378.3	16087.9	17710.6	18984.4	19042.6	18251.5	18059.6
25°	19775.4	16780.0	15349.2	15331.8	16012.3	18298.1	20240.7	21182.9	20374.5	20019.7
27.5°	20915.4	17408.2	15640.0	15698.2	16250.7	18775.0	21310.9	22561.4	21944.9	21508.7
30°	21915.8	18059.6	16047.2	15779.6	16890.5	19025.1	21770.4	24131.8	23637.4	23276.8
32.5°	22328.8	18984.4	16692.8	16250.7	17419.8	19327.5	22724.3	25655.7	25231.1	24341.2
35°	23026.7	19502.0	17041.7	17006.8	18344.6	20054.6	23172.1	26661.9	26487.4	25696.4
37.5°	23585.1	20025.5	18280.6	17896.7	19612.5	21276.0	23893.3	28052.0	27650.7	27278.4
40°	24015.5	20961.9	19438.1	19944.1	21171.3	22386.9	24556.4	28139.2	29296.7	28214.8
42.5°	23620.0	21799.5	21340.0	22549.8	23713.0	23654.9	24632.0	28813.9	29680.6	29116.4
45°	23521.1	23218.7	24347.0	25446.3	25713.8	24707.6	24091.1	28069.4	29564.2	29314.1
47.5°	23282.6	24614.6	26580.5	28371.9	27964.7	25411.4	23445.5	27935.7	29634.0	29186.2
50°	23201.2	24917.0	28232.3	29977.2	29732.9	26022.1	23143.0	27074.9	29139.6	29098.9
52.5°	23195.4	25539.4	28918.6	30849.6	31000.9	26987.6	23556.0	27511.1	29523.5	29866.7
55°	23457.1	25341.6	28831.4	30366.9	30308.7	26557.2	23602.5	27801.9	29994.6	30332.0
57.5°	22125.2	22701.0	23794.5	25010.1	24696.0	21997.2	21078.3	25702.2	27528.5	27284.2
60°	19106.5	17303.5	16070.4	16012.3	15401.6	14558.2	17251.1	22939.5	22939.5	22701.0
62.5°	16733.5	11359.2	9759.7	9306.1	9742.3	10713.6	16640.4	22311.3	21677.3	21404.0
65°	14633.8	8672.1	7055.2	6927.2	7683.3	9149.0	15046.8	19007.7	17890.9	16983.6
67.5°	9416.6	6351.4	5246.3	5019.5	5932.6	6717.8	10015.7	11690.8	10987.0	10632.2
70°	6072.2	4135.4	2919.8	2739.5	3094.3	4141.2	6397.9	6816.7	5793.0	5554.6
72.5°	2873.2	1785.6	1023.7	843.4	948.1	1582.0	2530.1	2722.0	2262.5	2070.6
75°	913.2	657.2	418.8	360.6	343.2	407.1	581.6	447.9	325.7	319.9
77.5°	407.1	389.7	331.5	279.2	244.3	203.6	168.7	139.6	145.4	151.2
80°	337.3	308.3	273.4	244.3	203.6	157.0	122.1	93.1	93.1	98.9
82.5°	296.6	267.5	238.5	203.6	174.5	128.0	93.1	64.0	58.2	58.2
85°	128.0	151.2	162.9	174.5	139.6	104.7	64.0	40.7	34.9	34.9
87.5°	52.3	46.5	40.7	34.9	29.1	29.1	23.3	17.4	11.6	11.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)