

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: P532422

Luminaire Tested: **GALN-SA7D-735-U-SLL-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532422
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-SA7D-735-U-SLL-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 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: 37382 lumens
Efficiency: N/A
Efficacy: 86.3 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

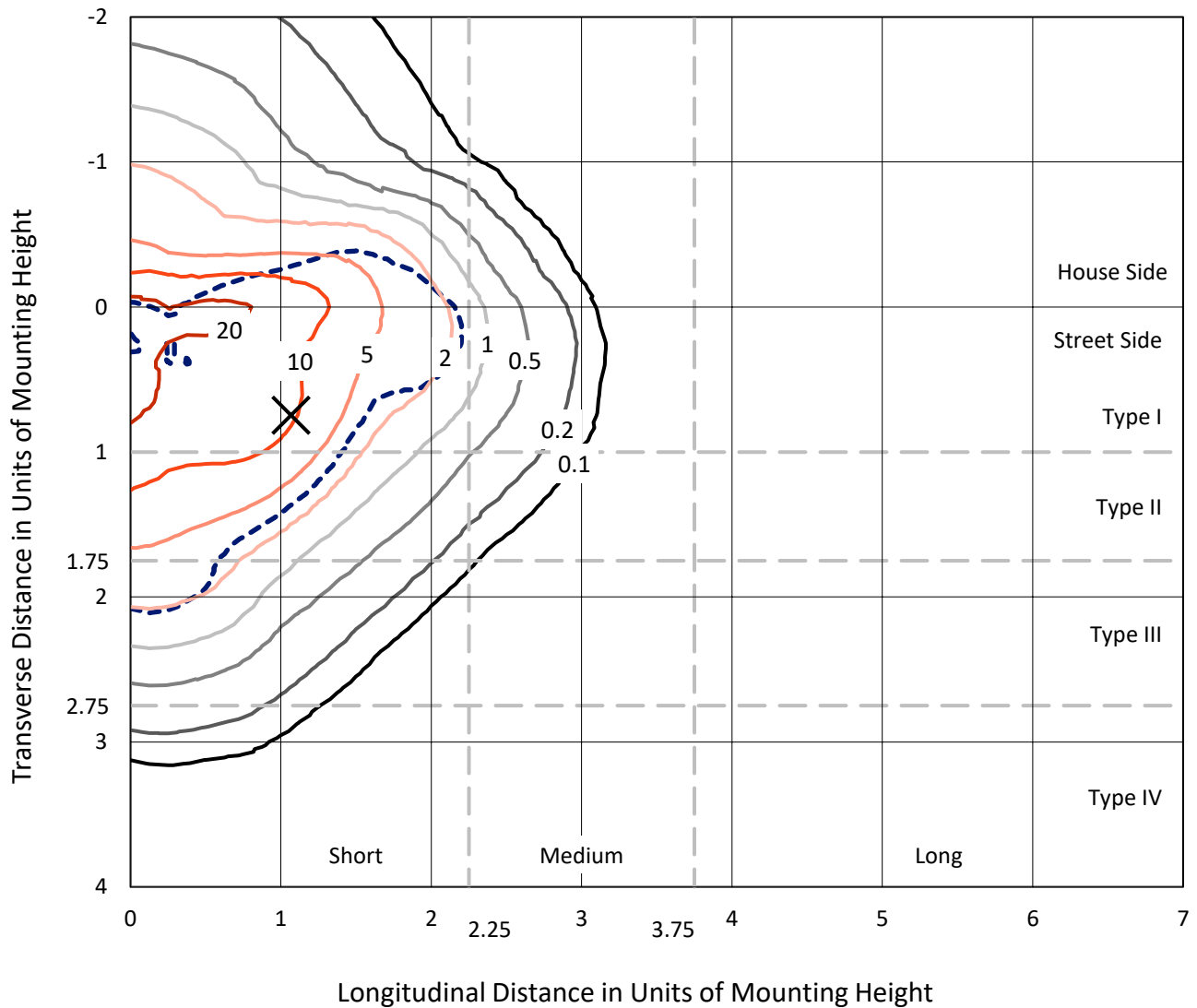
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

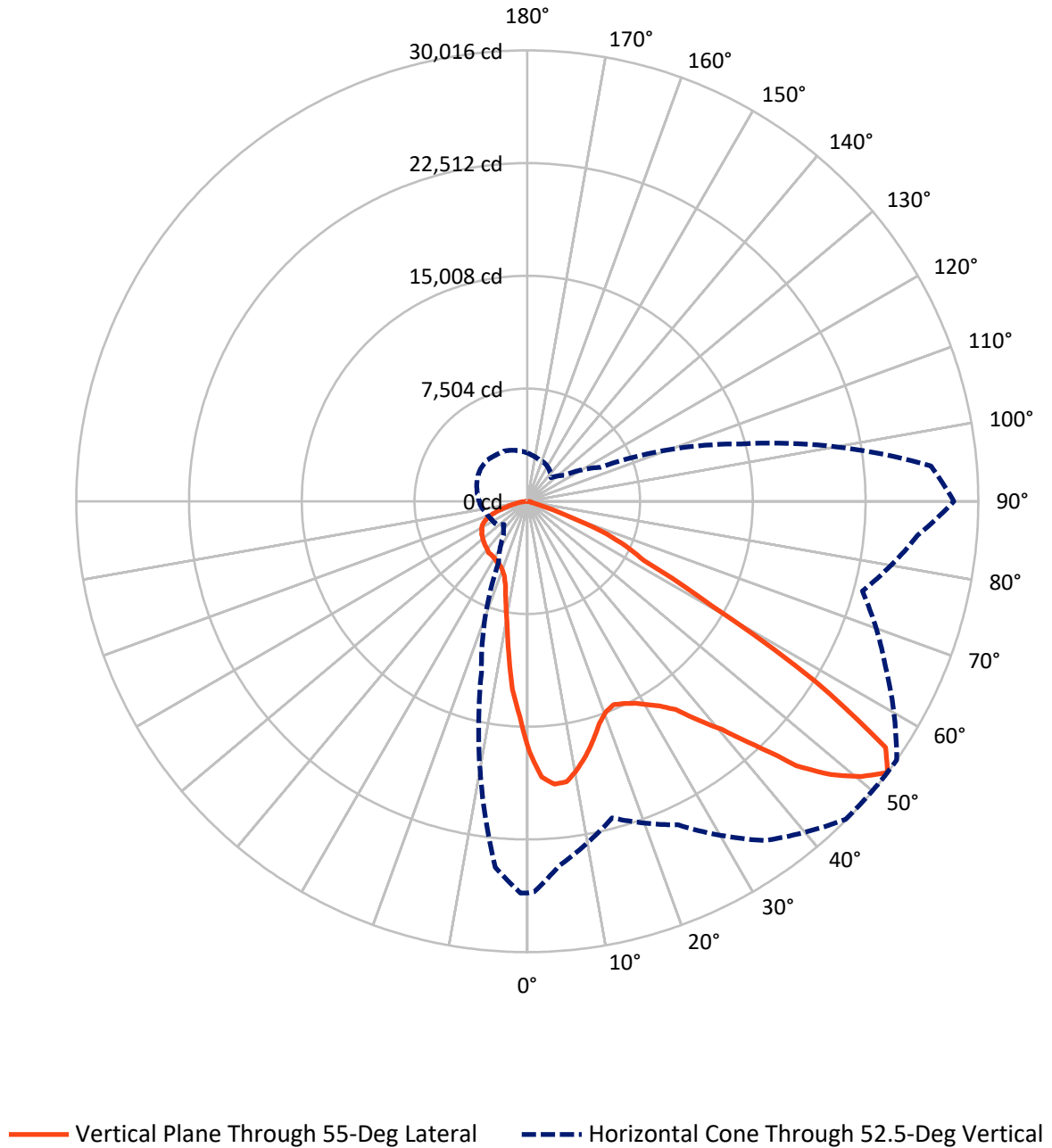
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 28.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



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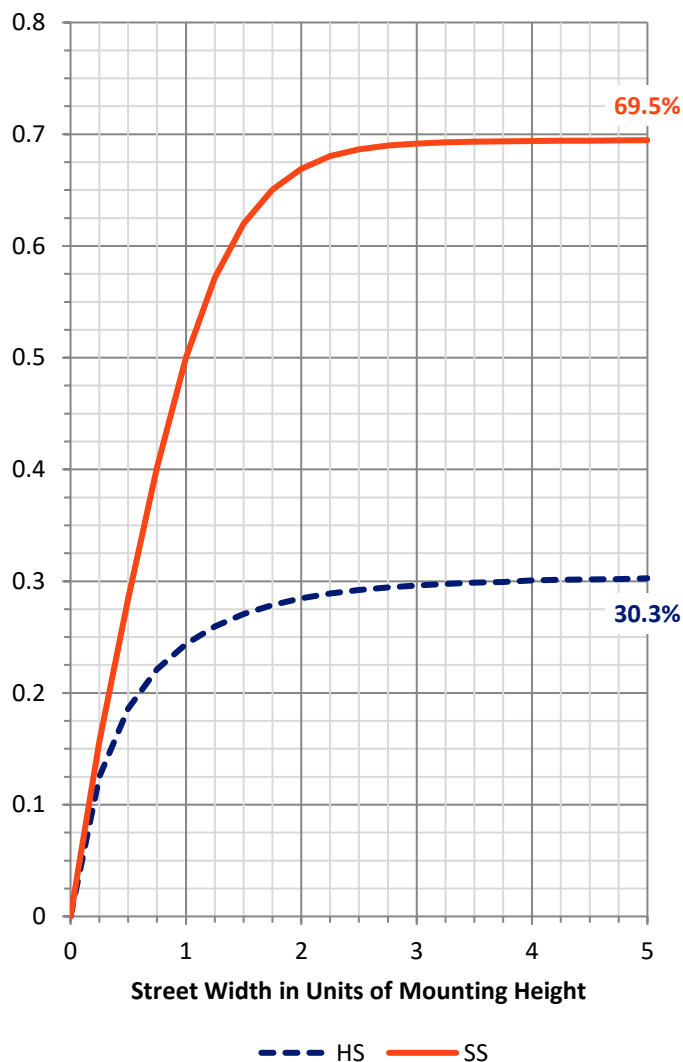
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11403.5	0.0	11403.5
	% Fixture	30.5	0.0	30.5
Street Side	Lumens	25978.5	0.0	25978.5
	% Fixture	69.5	0.0	69.5
Total	Lumens	37382.0	0.0	37382.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1274.0	3.4
10°-20°	2746.8	7.3
20°-30°	4165.1	11.1
30°-40°	6017.9	16.1
40°-50°	8041.6	21.5
50°-60°	8976.1	24.0
60°-70°	4923.8	13.2
70°-80°	1064.5	2.8
80°-90°	172.2	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°	37382.0	100.0
0°-180°	37382.0	100.0

Coefficient of Utilization



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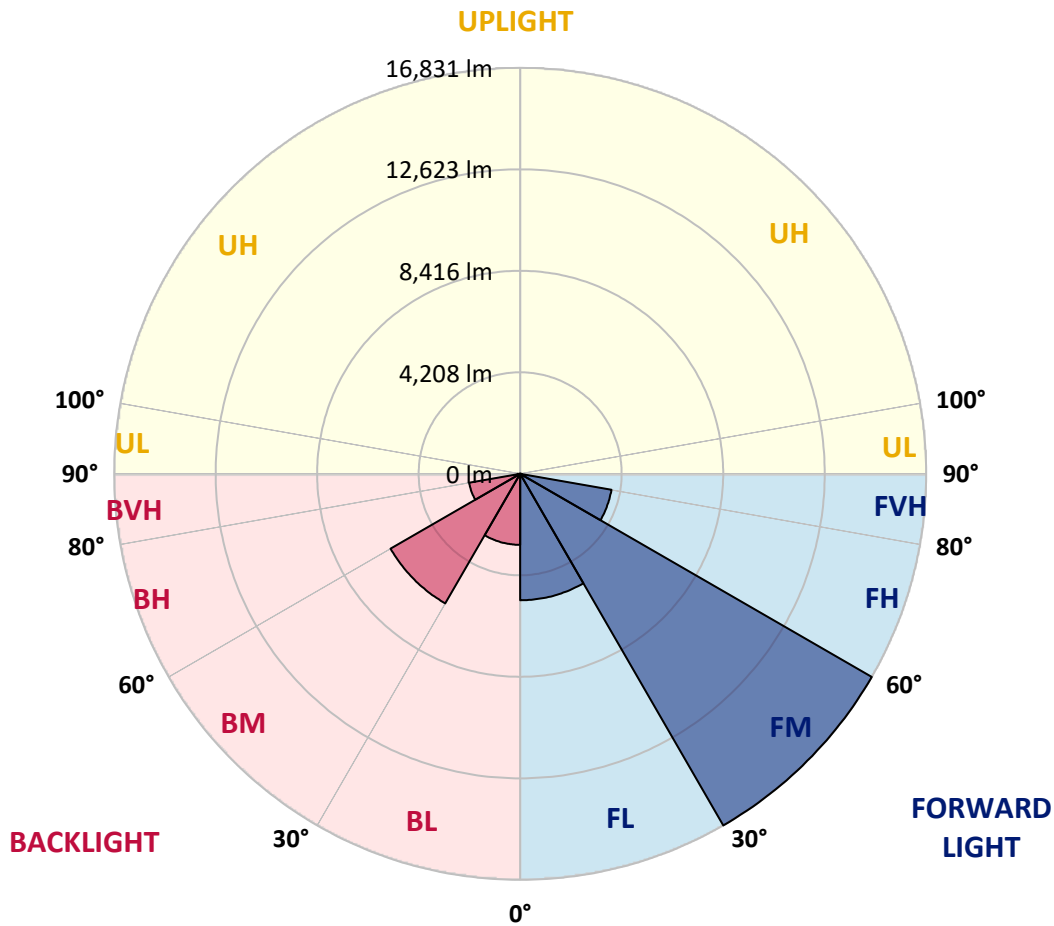
CATALOG NUMBER: GALN-SA7D-735-U-SLL-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5241.6	14.0			
FM (30°-60°)	16831.1	45.0			
FH (60°-80°)	3841.9	10.3			G2/5000
FVH (80°-90°)	63.8	0.2			G1/100
BL (0°-30°)	2944.2	7.9	B4/5000		
BM (30°-60°)	6204.5	16.6	B4/8500		
BH (60°-80°)	2146.4	5.7	B3/2500		G3/2500
BVH (80°-90°)	108.5	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°	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3
2.5°	17499.5	17401.2	17488.6	17903.4	18143.6	18307.3	18411.0	18394.6	18001.6	17619.6	17619.6
5°	16986.4	16860.8	17041.0	17979.8	18924.1	19006.0	19142.4	18918.6	18340.1	17641.4	16768.1
7.5°	15501.7	15594.5	15894.7	17128.3	18356.4	18973.2	19137.0	18853.1	17914.3	16609.8	15327.1
10°	14219.0	14437.3	15130.6	16462.4	17592.3	18394.6	18574.8	18176.3	17434.0	15834.7	14688.4
12.5°	13776.9	13640.4	14410.0	15741.9	16822.6	17253.8	17335.7	17363.0	16860.8	15441.7	14044.3
15°	13722.3	13809.6	14410.0	15419.8	16085.8	16107.6	16244.1	16456.9	16522.4	15709.1	14344.5
17.5°	14508.3	14404.6	15021.4	15823.8	15507.2	15190.6	15223.3	15529.0	16069.4	15938.4	15288.8
20°	15670.9	15905.6	16391.4	16309.6	15458.1	14655.7	14661.1	14950.4	16014.8	16888.1	16604.3
22.5°	17603.2	17832.4	18192.7	17204.7	15458.1	14497.4	14311.8	14704.8	16364.1	18018.0	18089.0
25°	19366.2	19786.5	19884.8	18722.1	16233.1	14644.8	14524.7	14912.2	16713.5	19120.6	19792.0
27.5°	20971.0	21123.8	21555.0	19699.2	16664.3	14743.0	14732.1	15228.8	17155.6	19671.9	21314.9
30°	22237.3	22220.9	22466.6	20316.0	17352.1	15294.3	14764.8	15703.7	17734.2	20583.4	22723.1
32.5°	23099.7	23285.3	23803.9	21172.9	17641.4	15818.3	15403.5	16260.4	18438.3	21014.7	23716.5
35°	24617.2	24939.2	24284.2	21647.8	18558.4	16336.8	15851.1	17019.1	18787.6	21484.1	24933.7
37.5°	26047.3	25801.6	25135.7	21904.4	19153.4	17297.5	16844.5	18487.4	19873.9	22504.8	25741.6
40°	26964.3	26958.8	25774.3	22111.8	19573.6	18765.8	18738.5	19977.6	21205.7	23148.9	26647.7
42.5°	27362.7	27744.8	26036.3	22089.9	20457.9	20545.2	21096.5	22204.6	22150.0	23279.9	26625.8
44°	27908.6	28137.8	26489.4	22139.1	21047.4	21746.1	23045.2	23749.3	22974.2	23208.9	26598.5
45°	27886.7	27903.1	25845.3	22204.6	21549.6	22750.4	23913.0	25103.0	23700.2	23056.1	26958.8
47.5°	27248.1	27062.5	25299.5	21718.8	23116.1	25403.2	26478.5	27199.0	24595.3	22728.6	26511.2
50°	25987.2	25774.3	23973.1	21511.4	23443.6	27051.6	28536.3	28798.3	25408.6	22406.5	26069.1
52.5°	26074.5	26014.5	24349.7	21822.5	23771.1	27570.1	29950.0	30015.5	26331.1	23083.4	26074.5
55°	27635.6	27428.2	25430.5	22210.0	23531.0	26964.3	29049.3	28934.7	26020.0	22674.0	26554.9
57.5°	25288.5	25425.0	23934.9	20676.2	20594.4	21920.7	22837.7	22553.9	21713.3	20463.4	24704.5
60°	20403.3	20790.9	20932.8	17292.1	15539.9	14857.6	14584.7	14082.5	14224.5	16811.7	21702.4
62.5°	17499.5	17477.6	18367.4	15676.4	10179.8	8755.2	8624.2	8738.8	10376.3	16549.7	21254.8
65°	13875.1	14246.3	14519.2	13285.6	8056.5	6500.9	6495.4	7221.4	8979.0	13831.5	17161.1
67.5°	8809.8	9295.6	9634.0	8498.7	5387.4	4628.7	4503.1	5376.5	6222.5	9071.8	10332.7
70°	4967.1	5196.4	5349.2	4901.6	3427.8	2401.7	2259.8	2467.2	3760.8	5873.2	6124.3
72.5°	1915.9	2019.6	2227.0	2243.4	1293.6	775.1	627.7	753.3	1582.9	2325.3	2216.1
75°	294.8	316.6	447.6	534.9	371.2	283.8	300.2	311.1	442.1	600.4	502.2
77.5°	141.9	141.9	136.5	158.3	185.6	202.0	218.3	240.2	262.0	289.3	278.4
80°	92.8	92.8	92.8	109.2	136.5	163.8	185.6	196.5	207.4	229.3	218.3
82.5°	60.0	60.0	60.0	81.9	109.2	136.5	147.4	174.7	196.5	229.3	212.9
85°	32.8	32.8	32.8	54.6	81.9	114.6	109.2	87.3	49.1	5.5	10.9
87.5°	10.9	10.9	10.9	10.9	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°	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3
2.5°	17161.1	16910.0	16888.1	16375.1	15916.6	15692.8	15512.6	15010.5	15119.6	14830.3	14824.9
5°	16331.4	15818.3	14988.6	14306.3	13624.0	13487.6	12892.6	12374.1	12390.5	12019.3	12084.8
7.5°	14841.3	14486.5	13476.7	12406.8	11500.7	10856.7	10294.5	9956.0	9524.8	9377.4	9301.0
10°	13897.0	13460.3	12325.0	10982.2	9966.9	9623.1	9082.7	8782.5	8340.4	8122.0	7969.2
12.5°	13482.1	12843.5	11424.3	10059.7	9382.9	9028.1	8569.6	8023.8	7499.8	7297.8	7019.4
15°	13525.8	12761.6	11162.3	9688.6	8875.3	8187.5	7778.2	7172.3	6637.4	6282.6	6080.6
17.5°	14186.3	13258.3	11282.4	9404.7	8236.7	7374.2	6571.9	5916.9	5491.1	5223.6	5158.1
20°	15747.3	14486.5	11484.4	8946.2	7598.0	6522.7	5534.8	4852.5	4525.0	4519.5	4525.0
22.5°	17046.4	15796.5	11893.7	8673.3	6959.4	5431.1	4448.6	4230.2	4164.7	4301.2	4317.6
25°	18798.6	17270.2	12597.9	8531.4	6369.9	4628.7	4022.8	3940.9	3935.5	4110.1	4115.6
27.5°	20594.4	18558.4	13018.2	8116.6	5769.5	4213.8	3766.3	3749.9	3837.2	4022.8	4006.4
30°	21817.0	19639.1	13776.9	7619.9	5059.9	3848.1	3662.6	3684.4	3804.5	3946.4	3968.2
32.5°	23241.7	20703.5	13973.4	7346.9	4623.2	3542.5	3411.5	3460.6	3613.4	3837.2	3957.3
35°	24873.7	21456.8	14273.6	6975.8	4459.5	3307.8	3242.3	3296.8	3482.4	3629.8	3760.8
37.5°	26080.0	22788.6	14328.2	6686.5	4279.3	3176.8	3073.1	3253.2	3362.3	3569.8	3635.3
40°	26975.2	23754.7	14470.1	6506.4	4137.4	3007.6	3007.6	3127.6	3275.0	3466.1	3597.1
42.5°	27548.3	24458.9	14573.8	6342.6	3864.5	2958.4	2931.1	3051.2	3247.7	3433.3	3493.3
44°	27897.6	24759.1	14470.1	6189.8	3788.1	2898.4	2898.4	3002.1	3154.9	3373.3	3444.2
45°	27985.0	25135.7	14240.8	6184.3	3695.3	2827.4	2816.5	3013.0	3116.7	3384.2	3427.8
47.5°	28323.4	25599.7	14268.1	6009.6	3471.5	2658.2	2849.3	2936.6	3029.4	3264.1	3411.5
50°	28312.5	25889.0	14208.1	5753.1	3307.8	2467.2	2783.8	2882.0	2974.8	3215.0	3275.0
52.5°	28388.9	26969.7	14759.4	5343.7	3013.0	2221.5	2565.4	2783.8	2898.4	3100.3	3225.9
55°	28350.7	27586.5	15305.2	5038.1	2598.2	2074.2	2379.8	2636.4	2800.1	3013.0	3073.1
57.5°	25894.4	24382.5	14164.4	4464.9	2150.6	1899.5	2117.8	2483.5	2691.0	2909.3	2985.7
60°	21156.6	18793.1	11680.9	3285.9	1768.5	1746.7	1970.5	2434.4	2521.8	2712.8	2843.8
62.5°	19551.8	16484.2	9262.8	2510.8	1512.0	1599.3	1817.6	2199.7	2336.2	2570.9	2691.0
65°	15299.8	10949.5	5736.7	1697.5	1331.8	1435.5	1643.0	1926.8	2150.6	2368.9	2510.8
67.5°	9060.9	5982.4	2838.3	1189.9	1162.6	1271.8	1484.7	1697.5	1954.1	2194.3	2265.2
70°	4934.3	2942.1	1211.8	906.1	988.0	1086.2	1293.6	1441.0	1686.6	1872.2	1992.3
72.5°	1582.9	895.2	605.9	671.4	753.3	867.9	993.4	1173.5	1348.2	1457.4	1555.6
75°	382.1	376.6	431.2	469.4	545.8	633.2	736.9	829.7	966.1	1069.8	1157.2
77.5°	267.5	289.3	333.0	387.5	414.8	447.6	513.1	584.0	644.1	720.5	775.1
80°	207.4	223.8	256.5	283.8	311.1	338.4	371.2	398.5	436.7	485.8	513.1
82.5°	196.5	207.4	240.2	256.5	245.6	240.2	262.0	272.9	278.4	294.8	311.1
85°	16.4	0.0	10.9	38.2	92.8	136.5	147.4	147.4	141.9	152.8	152.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	5.5	21.8	16.4
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°	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3
2.5°	14759.4	14573.8	14644.8	14732.1	14606.5	14317.3	14393.7	14360.9	14655.7	14633.8	14928.6
5°	12374.1	12084.8	12117.5	12543.3	12406.8	12554.2	12259.5	12221.2	12275.8	12303.1	12352.2
7.5°	9470.2	9432.0	9759.5	10119.8	10289.0	10114.3	9825.0	9759.5	9699.5	9579.4	9852.3
10°	7729.0	7739.9	7718.1	7991.0	8182.1	8143.9	7969.2	7947.4	7832.7	7789.1	7941.9
12.5°	6899.4	6752.0	6681.0	6593.7	6741.1	6839.3	6762.9	6708.3	6713.8	6768.4	6790.2
15°	6097.0	6004.2	5851.4	5753.1	5824.1	5774.9	5747.6	5856.8	5829.5	5818.6	5949.6
17.5°	5196.4	5272.8	5261.9	5152.7	5245.5	5207.3	5201.8	5125.4	5021.7	4945.3	4988.9
20°	4601.4	4743.3	4852.5	4857.9	4907.1	4901.6	4819.7	4585.0	4508.6	4492.2	4503.1
22.5°	4388.5	4464.9	4595.9	4781.5	4781.5	4694.2	4595.9	4323.0	4252.1	4175.6	4142.9
25°	4219.3	4366.7	4535.9	4557.7	4645.1	4563.2	4404.9	4268.4	4121.1	4017.3	4017.3
27.5°	4132.0	4295.7	4421.3	4459.5	4579.6	4514.1	4350.3	4175.6	4001.0	3995.5	3902.7
30°	4093.8	4246.6	4328.5	4421.3	4475.8	4372.1	4323.0	4137.4	3962.8	3919.1	3766.3
32.5°	3979.1	4197.5	4350.3	4328.5	4372.1	4328.5	4257.5	4104.7	3908.2	3809.9	3793.6
35°	3848.1	4066.5	4230.2	4344.8	4372.1	4279.3	4235.7	4028.3	3760.8	3711.7	3542.5
37.5°	3777.2	3908.2	4110.1	4295.7	4333.9	4284.8	4137.4	3924.6	3657.1	3602.5	3455.1
40°	3689.8	3859.1	4017.3	4170.2	4284.8	4164.7	3995.5	3788.1	3668.0	3504.3	3460.6
42.5°	3624.3	3815.4	3946.4	4115.6	4246.6	4088.3	3891.8	3749.9	3580.7	3471.5	3346.0
44°	3602.5	3777.2	3864.5	4071.9	4181.1	4061.0	3897.3	3749.9	3553.4	3455.1	3346.0
45°	3526.1	3766.3	3859.1	4044.6	4137.4	4039.2	3831.8	3684.4	3542.5	3422.4	3307.8
47.5°	3449.7	3613.4	3771.7	3919.1	3984.6	3951.8	3777.2	3597.1	3427.8	3356.9	3247.7
50°	3427.8	3591.6	3739.0	3875.4	3951.8	3886.3	3728.1	3553.4	3356.9	3242.3	3149.5
52.5°	3318.7	3520.6	3684.4	3728.1	3826.3	3788.1	3668.0	3477.0	3291.4	3193.1	3116.7
55°	3160.4	3373.3	3597.1	3651.6	3793.6	3733.5	3553.4	3373.3	3215.0	3067.6	2969.3
57.5°	3100.3	3307.8	3526.1	3597.1	3684.4	3586.1	3542.5	3351.4	3100.3	3023.9	2871.1
60°	2947.5	3209.5	3389.6	3553.4	3558.8	3531.6	3455.1	3236.8	3029.4	2887.5	2778.3
62.5°	2827.4	3073.1	3215.0	3367.8	3460.6	3384.2	3307.8	3105.8	2882.0	2723.7	2598.2
65°	2652.8	2876.6	2996.6	3089.4	3193.1	3182.2	3051.2	2903.8	2669.1	2543.6	2423.5
67.5°	2385.3	2581.8	2745.6	2832.9	2898.4	2882.0	2783.8	2680.1	2439.9	2314.3	2227.0
70°	2063.3	2265.2	2368.9	2418.0	2483.5	2516.3	2439.9	2390.8	2177.9	2014.1	1932.3
72.5°	1659.3	1790.3	1943.2	1986.8	2014.1	2036.0	2036.0	1992.3	1774.0	1708.5	1566.5
75°	1222.7	1326.4	1441.0	1441.0	1490.1	1495.6	1506.5	1479.2	1315.5	1228.1	1195.4
77.5°	829.7	906.1	998.9	1037.1	1069.8	1064.4	1058.9	982.5	895.2	857.0	824.2
80°	540.4	616.8	660.5	709.6	742.3	736.9	747.8	693.2	655.0	589.5	600.4
82.5°	322.0	382.1	425.8	485.8	485.8	502.2	502.2	485.8	447.6	414.8	414.8
85°	152.8	202.0	229.3	267.5	289.3	294.8	262.0	223.8	185.6	169.2	185.6
87.5°	27.3	38.2	54.6	49.1	60.0	54.6	54.6	54.6	54.6	43.7	49.1
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: P532422

CATALOG NUMBER: GALN-SA7D-735-U-SLL-GRSWH

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3	16675.3
2.5°	14819.4	15092.3	15283.4	15600.0	16145.8	16582.5	17030.1	17363.0	17401.2	17499.5
5°	12532.4	12679.8	13165.5	13798.7	14246.3	14983.2	15458.1	16320.5	16642.5	16986.4
7.5°	9786.8	10027.0	10676.5	11102.3	12084.8	13007.3	13962.5	15026.8	15452.6	15501.7
10°	8253.0	8602.4	9044.5	9726.8	10261.7	11287.9	12477.8	13662.3	14137.1	14219.0
12.5°	7248.7	7696.3	8285.8	8777.0	9290.1	10185.3	11326.1	12788.9	13405.7	13776.9
15°	6282.6	6746.5	7396.1	8078.4	8531.4	9601.2	10944.0	12592.4	13394.8	13722.3
17.5°	5289.1	5720.4	6255.3	6992.1	7903.7	9104.5	10884.0	13247.4	14126.2	14508.3
20°	4437.6	4677.8	5300.1	6058.8	7199.6	8596.9	10905.8	14213.5	15501.7	15670.9
22.5°	4104.7	4159.3	4404.9	5103.6	6353.5	8078.4	11293.3	15583.6	17046.4	17603.2
25°	3848.1	3837.2	3902.7	4372.1	5736.7	7876.4	11675.4	16844.5	18760.4	19366.2
27.5°	3706.2	3597.1	3602.5	4044.6	5300.1	7548.9	12166.7	18290.9	20703.5	20971.0
30°	3635.3	3613.4	3547.9	3728.1	4825.2	7057.6	12248.5	19715.6	21849.8	22237.3
32.5°	3591.6	3378.7	3296.8	3362.3	4377.6	6522.7	12554.2	20654.4	23269.0	23099.7
35°	3373.3	3182.2	3127.6	3193.1	4061.0	6222.5	12352.2	21473.2	24333.3	24617.2
37.5°	3291.4	3122.2	3013.0	2958.4	3766.3	5971.4	12248.5	22734.0	25365.0	26047.3
40°	3215.0	3034.8	2903.8	2849.3	3537.0	5638.5	12215.8	23705.6	26554.9	26964.3
42.5°	3127.6	3013.0	2865.6	2767.4	3258.6	5305.5	11839.2	24005.8	26920.6	27362.7
44°	3100.3	2925.7	2772.8	2740.1	3149.5	5136.3	11762.7	24278.7	27237.2	27908.6
45°	3073.1	2909.3	2734.6	2691.0	3111.3	5043.5	11659.0	24344.2	27761.2	27886.7
47.5°	2996.6	2892.9	2723.7	2603.6	3029.4	4841.6	11347.9	23973.1	27226.3	27248.1
50°	2936.6	2816.5	2641.8	2407.1	2920.2	4672.3	11489.8	23836.6	25938.1	25987.2
52.5°	2871.1	2691.0	2592.7	2188.8	2740.1	4530.4	11790.0	24453.4	26085.5	26074.5
55°	2794.7	2598.2	2358.0	2003.2	2439.9	4350.3	12516.0	25670.6	27450.0	27635.6
57.5°	2674.6	2505.4	2161.5	1839.5	2096.0	4006.4	12281.3	23339.9	25255.8	25288.5
60°	2516.3	2358.0	1959.5	1713.9	1719.4	3160.4	10982.2	18187.2	19928.4	20403.3
62.5°	2363.5	2276.1	1790.3	1533.8	1462.8	2516.3	9284.7	15114.2	17106.5	17499.5
65°	2183.3	1970.5	1643.0	1397.3	1255.4	1763.0	6577.3	11293.3	13345.7	13875.1
67.5°	1954.1	1724.8	1446.5	1228.1	1075.3	1179.0	3395.1	6419.0	8498.7	8809.8
70°	1708.5	1495.6	1217.2	1037.1	867.9	813.3	1495.6	3062.1	4645.1	4967.1
72.5°	1402.8	1206.3	971.6	818.8	649.5	562.2	502.2	818.8	1648.4	1915.9
75°	1015.3	878.8	731.4	584.0	458.5	360.3	294.8	245.6	272.9	294.8
77.5°	747.8	638.6	540.4	414.8	322.0	256.5	202.0	152.8	147.4	141.9
80°	584.0	518.5	431.2	333.0	251.1	191.0	141.9	103.7	92.8	92.8
82.5°	458.5	425.8	354.8	272.9	207.4	152.8	103.7	71.0	60.0	60.0
85°	174.7	174.7	256.5	223.8	158.3	109.2	71.0	38.2	32.8	32.8
87.5°	43.7	43.7	43.7	43.7	38.2	32.8	32.8	16.4	10.9	10.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)