

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: P532917

Luminaire Tested: **GALN-SA8B-740-U-SLR-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532917
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-25)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-740-U-SLR-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25402 lumens
Efficiency: N/A
Efficacy: 78.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G2

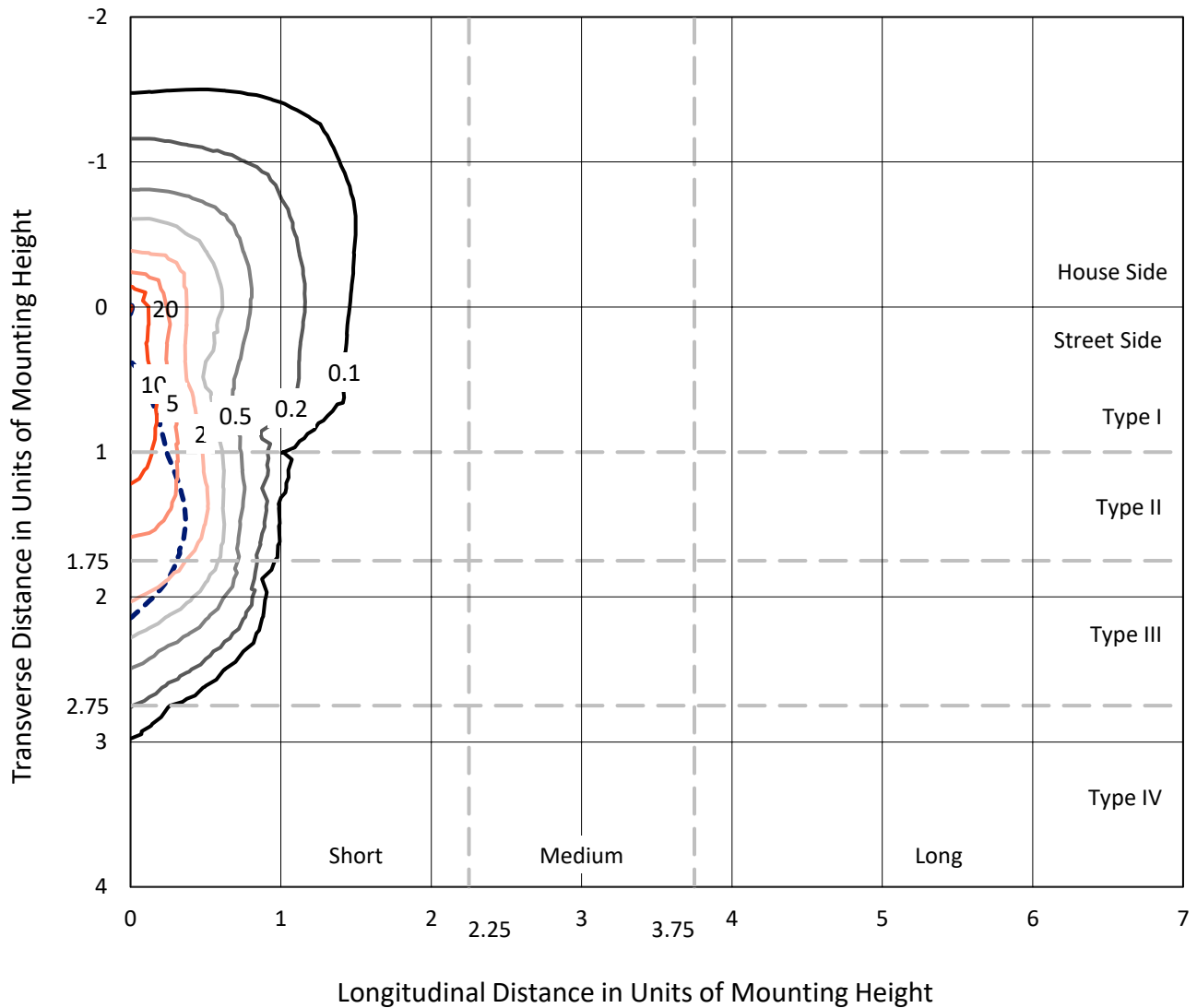
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

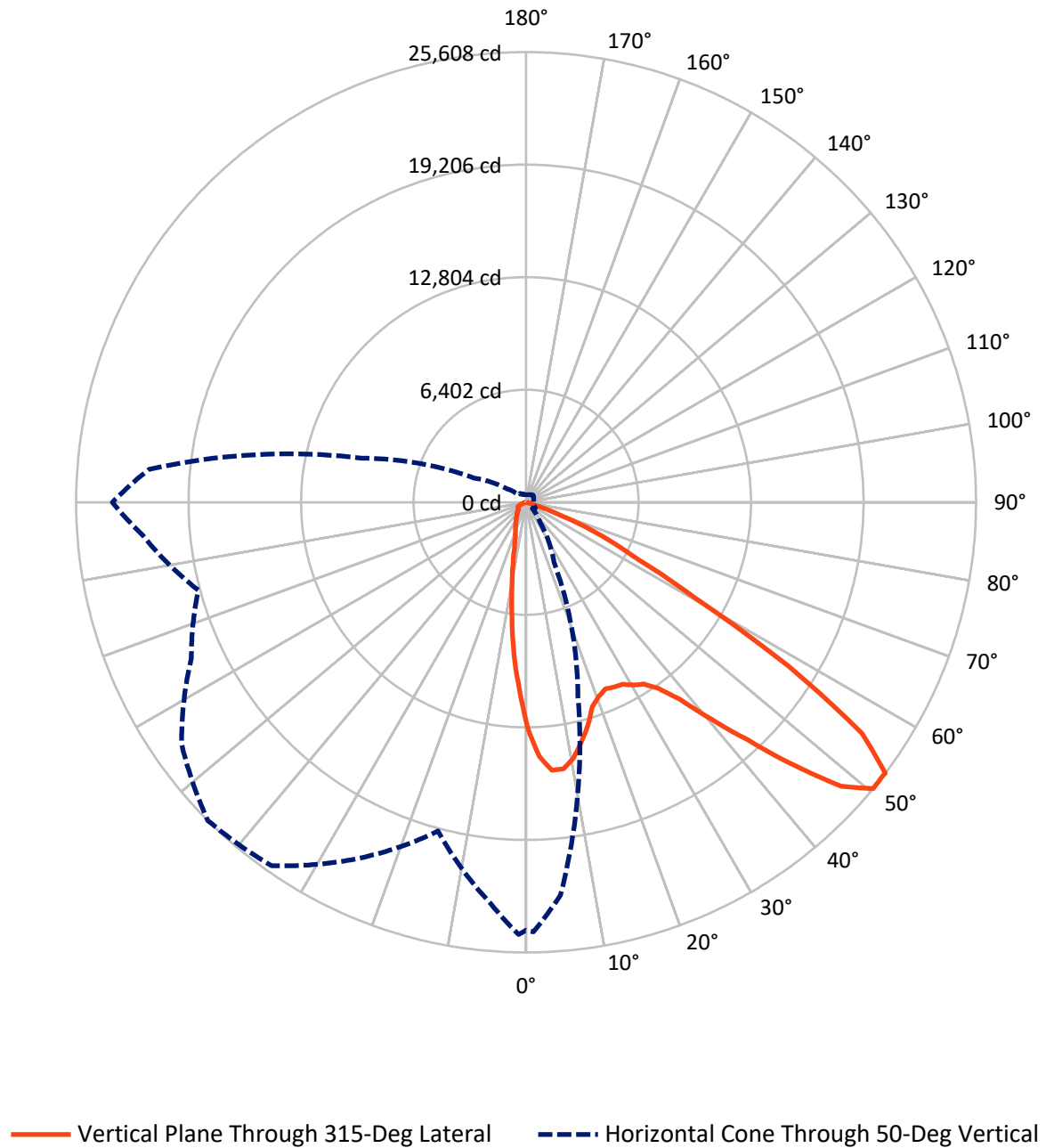
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 20.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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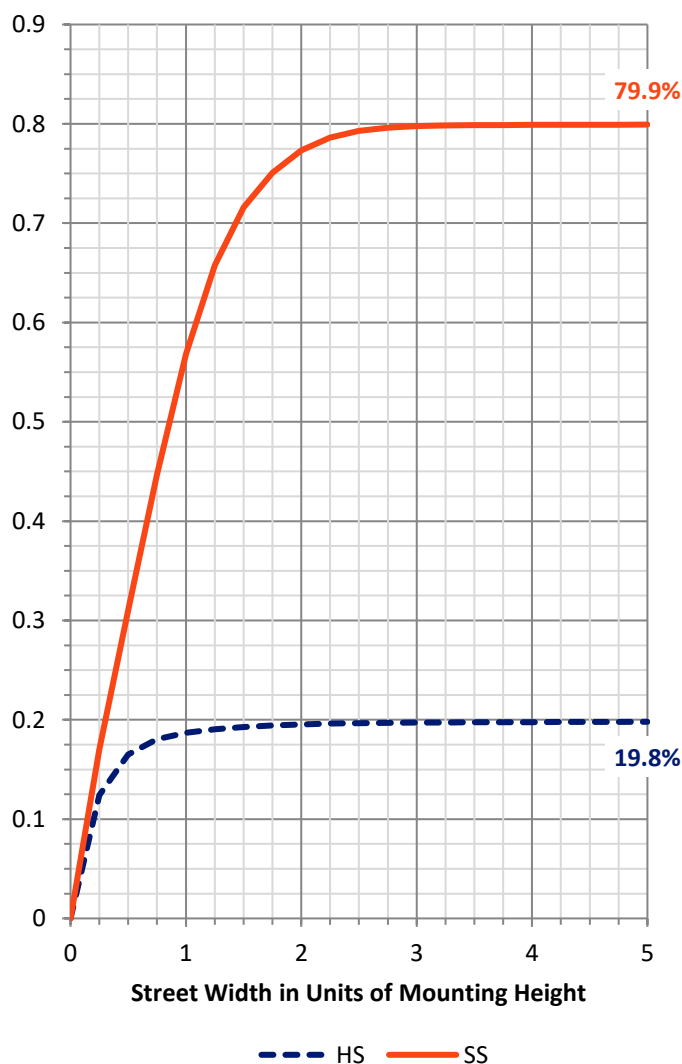
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5088.0	0.0	5088.0
	% Fixture	20.0	0.0	20.0
Street Side	Lumens	20314.0	0.0	20314.0
	% Fixture	80.0	0.0	80.0
Total	Lumens	25402.0	0.0	25402.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	939.0	3.7
10°-20°	1866.2	7.3
20°-30°	2803.5	11.0
30°-40°	4208.0	16.6
40°-50°	5914.1	23.3
50°-60°	6379.4	25.1
60°-70°	2961.9	11.7
70°-80°	278.7	1.1
80°-90°	51.4	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°	25402.0	100.0
0°-180°	25402.0	100.0

Coefficient of Utilization



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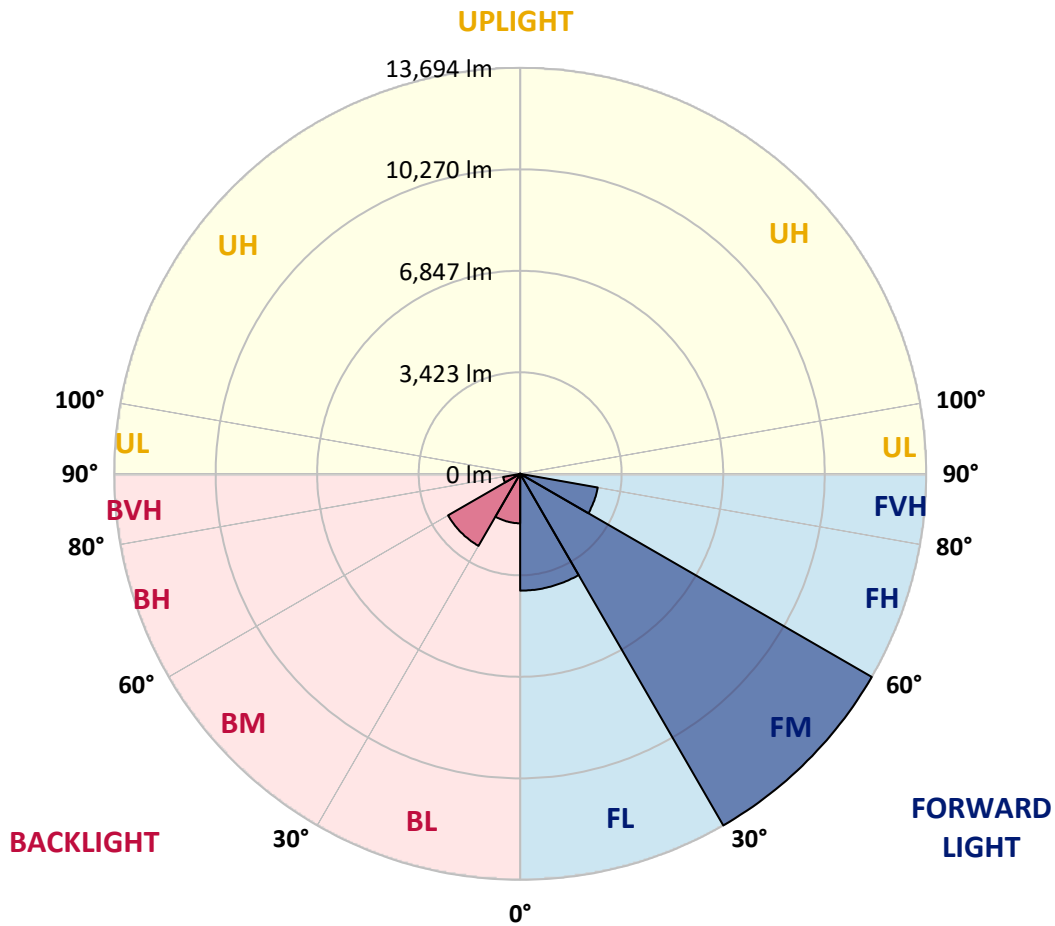
CATALOG NUMBER: GALN-SA8B-740-U-SLR-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3940.9	15.5			
FM (30°-60°)	13693.6	53.9			
FH (60°-80°)	2656.4	10.5			G2/5000
FVH (80°-90°)	23.1	0.1			G1/100
BL (0°-30°)	1667.7	6.6	B3/2500		
BM (30°-60°)	2807.8	11.1	B3/5000		
BH (60°-80°)	584.2	2.3	B2/1000		G2/1000
BVH (80°-90°)	28.2	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0
2.5°	13391.0	13184.4	12922.3	12705.6	12383.1	11732.9	11556.5	11344.8	11168.4	10931.6	10598.9
5°	12176.4	12110.9	11990.0	11173.5	10583.8	9797.6	9152.5	8880.3	8522.5	8230.2	8018.5
7.5°	11249.1	10987.0	10604.0	9782.5	8840.0	7998.3	7282.7	6864.4	6390.6	6229.3	5942.1
10°	10256.2	10316.7	9752.2	8598.1	7459.1	6778.7	6335.2	5932.0	5503.6	5221.3	4813.1
12.5°	9938.7	9742.2	9308.7	7882.4	6909.7	6274.7	5735.4	5236.5	4782.9	4329.3	3936.2
15°	10145.3	9842.9	9238.2	7731.2	6486.4	5695.1	5019.8	4344.4	3926.1	3346.5	2938.3
17.5°	10886.2	10644.3	9832.9	7892.5	6269.7	5140.7	4137.8	3442.3	2802.2	2278.0	2071.4
20°	12121.0	11778.3	10760.2	8099.1	5947.1	4470.4	3356.6	2499.8	1895.0	1673.3	1557.3
22.5°	13330.6	13144.1	11858.9	8497.3	5659.8	3875.7	2520.0	1683.3	1416.2	1375.9	1300.3
25°	15633.8	15074.4	13537.2	9218.0	5438.1	3316.3	1900.0	1355.7	1199.5	1169.3	1179.3
27.5°	17004.7	16536.0	15089.5	9696.8	5191.1	2887.9	1607.7	1244.9	1139.0	1073.5	1048.3
30°	18320.1	17775.8	15860.6	9979.0	4661.9	2434.3	1426.3	1194.5	1169.3	1073.5	1043.3
32.5°	19333.1	18798.9	16974.4	10402.4	4445.2	2142.0	1174.3	932.4	866.9	856.8	947.5
35°	20885.4	20315.9	17927.0	10634.2	4278.9	1990.8	1018.1	831.6	756.0	725.7	730.8
37.5°	22331.9	21943.8	18809.0	10724.9	4102.5	1945.4	912.2	745.9	680.4	660.2	655.2
40°	23541.4	22674.6	19645.6	10820.7	4026.9	1859.7	846.7	680.4	635.0	604.8	604.8
42.5°	24095.8	23213.8	20583.0	10765.3	4006.7	1723.7	846.7	624.9	589.7	559.4	554.4
45°	23974.9	23617.0	21001.3	10740.1	4006.7	1587.6	771.1	609.8	559.4	519.1	509.0
47.5°	24287.3	23818.6	21525.5	10845.9	3926.1	1491.8	650.1	640.1	529.2	478.8	468.7
50°	24342.8	24433.5	22437.7	11395.2	3749.7	1370.9	509.0	630.0	509.0	433.4	423.4
52°	24705.7	24141.2	22714.9	11687.6	3563.2	1280.1	428.4	539.3	488.9	403.2	393.1
52.5°	24206.7	24574.6	22780.4	11793.4	3583.4	1219.7	413.3	529.2	478.8	403.2	378.0
55°	23647.3	24000.1	22513.3	12020.2	3286.0	957.6	322.6	383.0	433.4	352.8	337.7
57.5°	20552.8	20910.6	19564.9	11007.2	2676.2	675.3	267.1	287.3	383.0	327.6	312.5
60°	18269.7	18012.6	16420.0	9182.7	1900.0	378.0	211.7	221.8	418.3	302.4	297.4
62.5°	16697.2	16147.9	13723.7	7091.2	1159.2	252.0	166.3	171.4	322.6	282.2	282.2
65°	12352.8	11738.0	9117.2	4289.0	569.5	176.4	126.0	136.1	201.6	241.9	241.9
67.5°	7050.8	6814.0	4404.9	1935.3	236.9	110.9	95.8	105.8	156.2	196.6	186.5
70°	3240.7	2908.0	1693.4	408.2	110.9	75.6	75.6	85.7	126.0	146.2	136.1
72.5°	947.5	897.1	413.3	65.5	45.4	45.4	50.4	65.5	95.8	110.9	100.8
75°	70.6	45.4	30.2	20.2	20.2	30.2	40.3	65.5	95.8	105.8	85.7
77.5°	5.0	10.1	5.0	5.0	15.1	30.2	45.4	80.6	126.0	131.0	95.8
80°	5.0	5.0	0.0	5.0	15.1	30.2	50.4	90.7	141.1	151.2	80.6
82.5°	0.0	0.0	0.0	5.0	20.2	40.3	60.5	95.8	131.0	161.3	85.7
85°	0.0	0.0	0.0	5.0	30.2	55.4	70.6	25.2	15.1	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):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0
2.5°	10835.8	10704.8	10654.4	10699.7	10684.6	10669.5	10946.7	10886.2	10876.1	10966.8	10946.7
5°	8134.4	7902.6	8537.6	8280.6	8547.7	8709.0	8739.2	8754.3	8940.8	8744.2	9001.3
7.5°	5795.9	5856.4	5851.3	6022.7	6330.1	6602.3	6763.6	6637.6	6627.5	6602.3	6491.4
10°	4631.7	4525.8	4505.7	4465.4	4561.1	4793.0	4989.5	4833.3	4722.4	4873.6	4828.2
12.5°	3785.0	3638.8	3558.2	3396.9	3401.9	3558.2	3558.2	3558.2	3669.1	3754.7	3820.3
15°	2903.0	2782.0	2782.0	2620.8	2585.5	2590.5	2671.2	2681.2	2857.6	2908.0	2933.2
17.5°	2031.1	1965.6	2041.2	2106.7	2066.4	2076.4	2106.7	2116.8	2142.0	2121.8	2172.2
20°	1562.4	1552.3	1572.5	1688.4	1774.0	1824.4	1789.2	1738.8	1708.5	1638.0	1638.0
22.5°	1325.5	1345.7	1380.9	1476.7	1587.6	1617.8	1577.5	1461.6	1370.9	1360.8	1365.8
25°	1179.3	1199.5	1254.9	1315.4	1375.9	1426.3	1386.0	1300.3	1249.9	1204.5	1204.5
27.5°	1088.6	1098.7	1128.9	1174.3	1224.7	1265.0	1249.9	1204.5	1149.1	1128.9	1083.6
30°	1018.1	1033.2	1068.5	1078.5	1123.9	1144.1	1118.9	1108.8	1073.5	1048.3	1033.2
32.5°	982.8	977.7	1002.9	1013.0	1018.1	1033.2	1002.9	1018.1	1013.0	972.7	957.6
35°	740.9	781.2	846.7	902.1	917.3	937.4	932.4	912.2	856.8	811.4	756.0
37.5°	665.3	690.5	725.7	771.1	831.6	856.8	846.7	796.3	730.8	700.5	690.5
40°	614.9	630.0	660.2	690.5	750.9	796.3	761.0	715.7	665.3	640.1	624.9
42.5°	569.5	574.6	589.7	619.9	665.3	735.8	675.3	614.9	594.7	579.6	569.5
45°	519.1	519.1	539.3	554.4	604.8	670.3	609.8	554.4	544.3	534.2	529.2
47.5°	478.8	483.8	493.9	514.1	554.4	599.7	559.4	514.1	488.9	483.8	473.8
50°	428.4	433.4	453.6	473.8	524.2	549.4	524.2	473.8	448.6	433.4	433.4
52°	388.1	403.2	423.4	463.7	499.0	539.3	509.0	453.6	423.4	408.2	398.2
52.5°	383.0	393.1	413.3	458.6	499.0	534.2	504.0	448.6	413.3	403.2	393.1
55°	342.7	357.8	393.1	448.6	493.9	534.2	493.9	443.5	393.1	367.9	357.8
57.5°	327.6	337.7	383.0	453.6	488.9	534.2	493.9	443.5	393.1	347.8	337.7
60°	312.5	332.6	383.0	438.5	483.8	539.3	499.0	438.5	383.0	327.6	327.6
62.5°	297.4	312.5	378.0	428.4	463.7	519.1	478.8	428.4	367.9	312.5	307.4
65°	257.0	282.2	332.6	357.8	398.2	448.6	408.2	373.0	322.6	277.2	272.2
67.5°	196.6	206.6	247.0	277.2	302.4	347.8	327.6	282.2	247.0	211.7	211.7
70°	136.1	146.2	176.4	191.5	216.7	241.9	226.8	191.5	166.3	146.2	141.1
72.5°	95.8	100.8	110.9	121.0	131.0	141.1	136.1	110.9	95.8	90.7	85.7
75°	75.6	85.7	90.7	85.7	80.6	75.6	75.6	65.5	55.4	50.4	50.4
77.5°	75.6	80.6	75.6	65.5	55.4	50.4	45.4	40.3	30.2	25.2	30.2
80°	65.5	65.5	65.5	55.4	50.4	45.4	40.3	35.3	30.2	25.2	25.2
82.5°	70.6	70.6	65.5	55.4	55.4	45.4	45.4	40.3	35.3	25.2	25.2
85°	0.0	0.0	0.0	10.1	25.2	45.4	45.4	40.3	35.3	30.2	30.2
87.5°	0.0	0.0	0.0	0.0	5.0	10.1	20.2	25.2	30.2	30.2	30.2
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°	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0
2.5°	11128.1	11319.6	11682.5	12045.4	12267.1	12529.2	13003.0	13255.0	13582.6	13743.8	14061.4
5°	8966.0	9419.6	9580.9	9994.1	10437.7	10881.2	11586.8	12362.9	13008.0	13451.5	14026.1
7.5°	6541.8	6647.6	7272.6	7549.8	8275.5	9081.9	10044.5	11022.3	11838.8	12564.5	13003.0
10°	4903.8	5291.9	5685.0	6214.2	6798.8	7630.4	8552.7	9631.3	10689.7	11415.4	11969.8
12.5°	3941.2	4248.6	4772.8	5342.3	6063.0	6612.4	7539.7	8608.2	9979.0	10689.7	11420.4
15°	2983.6	3376.7	3971.5	4561.1	5322.1	5901.7	6839.2	8184.8	9948.8	10926.5	11556.5
17.5°	2212.5	2479.6	3013.9	3674.1	4450.2	5266.7	6531.7	8139.5	10286.5	11450.7	12100.8
20°	1693.4	1784.1	2121.8	2711.5	3553.1	4621.6	6032.8	8336.0	11284.4	12725.8	13386.0
22.5°	1370.9	1411.2	1542.2	1950.4	2766.9	4057.1	5795.9	8472.1	12408.3	14252.9	15134.9
25°	1194.5	1184.4	1270.1	1446.5	2162.1	3527.9	5493.5	8986.2	13784.2	16047.1	16838.3
27.5°	1088.6	1088.6	1128.9	1254.9	1794.2	3185.2	5302.0	9354.1	15170.1	17624.6	18053.0
30°	1033.2	1043.3	1159.2	1199.5	1491.8	2777.0	4984.5	9727.0	16495.6	18632.6	19222.2
32.5°	957.6	917.3	892.1	992.9	1254.9	2409.1	4667.0	9883.3	17569.1	19867.3	20371.3
35°	735.8	715.7	745.9	821.5	1078.5	2096.6	4314.2	10059.7	18803.9	21298.7	21399.5
37.5°	665.3	660.2	680.4	745.9	907.2	1824.4	4062.2	10014.3	19746.4	22483.0	22210.9
40°	614.9	614.9	630.0	685.4	811.4	1632.9	3800.1	9974.0	20658.6	23813.6	23017.3
42.5°	574.6	574.6	599.7	635.0	771.1	1506.9	3603.5	9918.5	21424.7	24630.1	23491.0
45°	519.1	534.2	574.6	609.8	781.2	1421.3	3457.4	9706.9	21686.7	24620.0	23264.2
47.5°	478.8	499.0	539.3	589.7	705.6	1396.1	3356.6	9520.4	21596.0	24015.2	22553.6
50°	433.4	458.6	514.1	599.7	599.7	1345.7	3250.7	9686.7	21530.5	23546.5	21873.2
52°	403.2	423.4	493.9	584.6	524.2	1239.8	3185.2	10009.3	21797.6	23486.0	21570.8
52.5°	398.2	413.3	478.8	574.6	499.0	1219.7	3139.9	10084.9	21883.3	23334.8	21777.5
55°	352.8	373.0	438.5	448.6	408.2	1002.9	2993.7	10256.2	21459.9	23037.4	21580.9
57.5°	332.6	342.7	388.1	367.9	352.8	756.0	2575.4	9989.1	19060.9	20462.0	20079.0
60°	307.4	317.5	362.9	287.3	297.4	529.2	1935.3	8673.7	15306.2	17050.0	17740.5
62.5°	297.4	292.3	342.7	231.8	252.0	383.0	1365.8	7050.8	11793.4	14036.2	15230.6
65°	262.1	257.0	247.0	196.6	216.7	297.4	816.5	4601.4	8310.8	10619.1	11274.3
67.5°	201.6	211.7	181.4	156.2	181.4	231.8	453.6	2061.3	4359.5	6370.4	6899.6
70°	141.1	151.2	146.2	136.1	161.3	191.5	262.1	705.6	1804.3	3346.5	3689.2
72.5°	85.7	105.8	110.9	115.9	141.1	166.3	186.5	226.8	478.8	1184.4	1471.7
75°	50.4	70.6	85.7	100.8	115.9	141.1	156.2	161.3	166.3	221.8	357.8
77.5°	35.3	50.4	75.6	95.8	115.9	141.1	166.3	176.4	166.3	156.2	166.3
80°	30.2	50.4	70.6	90.7	121.0	146.2	166.3	166.3	161.3	141.1	151.2
82.5°	30.2	50.4	75.6	95.8	115.9	141.1	161.3	166.3	151.2	141.1	146.2
85°	35.3	55.4	80.6	100.8	126.0	115.9	105.8	85.7	80.6	65.5	70.6
87.5°	35.3	50.4	50.4	55.4	60.5	60.5	60.5	55.4	45.4	40.3	40.3
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: P532917

CATALOG NUMBER: GALN-SA8B-740-U-SLR-GRSBK

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0	12882.0
2.5°	14076.5	14479.7	14464.5	14474.6	14414.1	14005.9	13809.4	13310.4	13451.5	13391.0
5°	14615.7	15013.9	15356.6	15316.3	14852.6	14298.2	13476.7	12700.6	12488.9	12176.4
7.5°	14076.5	15034.1	15351.6	15306.2	14620.8	13910.2	12599.8	11823.6	11455.7	11249.1
10°	13219.7	14328.5	14721.6	14802.2	14338.6	13260.0	12055.5	10810.6	10614.1	10256.2
12.5°	12730.8	13537.2	13779.1	13995.8	13834.6	13028.2	11642.2	10447.7	10175.6	9938.7
15°	12332.7	12811.5	12912.3	13159.2	13255.0	12821.5	11858.9	10840.9	10170.5	10145.3
17.5°	12700.6	12504.0	12136.1	12211.7	12514.1	12826.6	12418.3	11617.0	10966.8	10886.2
20°	13310.4	12443.5	11612.0	11798.4	12050.4	13008.0	13265.0	12700.6	12327.6	12121.0
22.5°	14011.0	12549.4	11445.6	11536.4	12015.2	13416.2	14635.9	14323.4	13627.9	13330.6
25°	15306.2	12841.7	11576.7	11637.2	12292.3	13985.8	15875.7	16107.6	15694.3	15633.8
27.5°	16571.2	13597.7	11864.0	11727.9	12433.5	14540.1	16626.7	17871.5	17145.8	17004.7
30°	17216.3	14212.6	12292.3	12060.5	13018.1	14877.8	17080.3	19020.6	18385.6	18320.1
32.5°	18204.2	14772.0	12625.0	12327.6	13345.7	15296.1	17927.0	20275.6	19660.7	19333.1
35°	18617.4	15381.8	13355.8	13008.0	14283.1	15880.8	18360.4	21394.4	21202.9	20885.4
37.5°	19413.7	16037.0	14217.6	14197.4	15417.1	16641.8	19141.6	22916.5	22881.2	22331.9
40°	19479.3	16752.7	15578.4	16213.4	17171.0	17967.3	19827.0	23339.8	23914.4	23541.4
42.5°	19580.1	18007.6	17932.0	18456.2	19277.7	19106.3	19852.2	23440.6	24317.6	24095.8
45°	19625.4	19262.5	20326.0	21293.6	21636.3	20598.1	19615.3	23249.1	24529.3	23974.9
47.5°	19262.5	20341.1	22261.3	24131.1	24231.9	21515.4	19514.5	23052.6	24655.3	24287.3
50°	19312.9	21016.4	23934.5	25607.8	25239.9	22326.8	19358.3	22931.6	24589.7	24342.8
52°	19192.0	21031.6	24171.4	25577.6	25320.5	21878.3	19091.2	22467.9	24529.3	24705.7
52.5°	19328.1	20940.8	23924.5	25597.7	25265.1	22100.0	19055.9	22725.0	24564.5	24206.7
55°	18859.4	19862.3	22478.0	23188.6	23138.2	20058.9	17972.3	21873.2	23642.2	23647.3
57.5°	17045.0	17216.3	17629.6	17614.5	17382.7	15769.9	15371.7	20114.3	21076.9	20552.8
60°	15018.9	12604.8	11491.0	11037.4	10780.4	10518.3	13597.7	18400.7	18491.4	18269.7
62.5°	12977.8	8739.2	7257.5	7131.5	7192.0	8149.5	13144.1	17720.3	17176.0	16697.2
65°	10472.9	6370.4	5271.7	5105.4	5695.1	6728.3	10639.3	13587.6	12751.0	12352.8
67.5°	6577.1	4646.8	3563.2	3250.7	3961.4	4631.7	6990.4	8537.6	7600.2	7050.8
70°	3900.9	2595.6	1612.8	1446.5	1627.9	2469.6	3916.0	4258.7	3522.9	3240.7
72.5°	1537.2	952.5	448.6	383.0	398.2	866.9	1441.4	1406.1	1063.4	947.5
75°	413.3	287.3	156.2	126.0	105.8	161.3	231.8	151.2	55.4	70.6
77.5°	191.5	171.4	136.1	105.8	80.6	60.5	30.2	10.1	10.1	5.0
80°	166.3	146.2	126.0	105.8	80.6	50.4	25.2	5.0	5.0	5.0
82.5°	156.2	136.1	115.9	95.8	75.6	50.4	25.2	5.0	0.0	0.0
85°	65.5	85.7	95.8	90.7	80.6	50.4	25.2	5.0	0.0	0.0
87.5°	35.3	30.2	25.2	20.2	15.1	10.1	10.1	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)