

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: P456353

Luminaire Tested: **GALN-SA7C-760-U-SLR**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P456353
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-22)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-760-U-SLR
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 5700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42210 lumens
Efficiency: N/A
Efficacy: 112.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

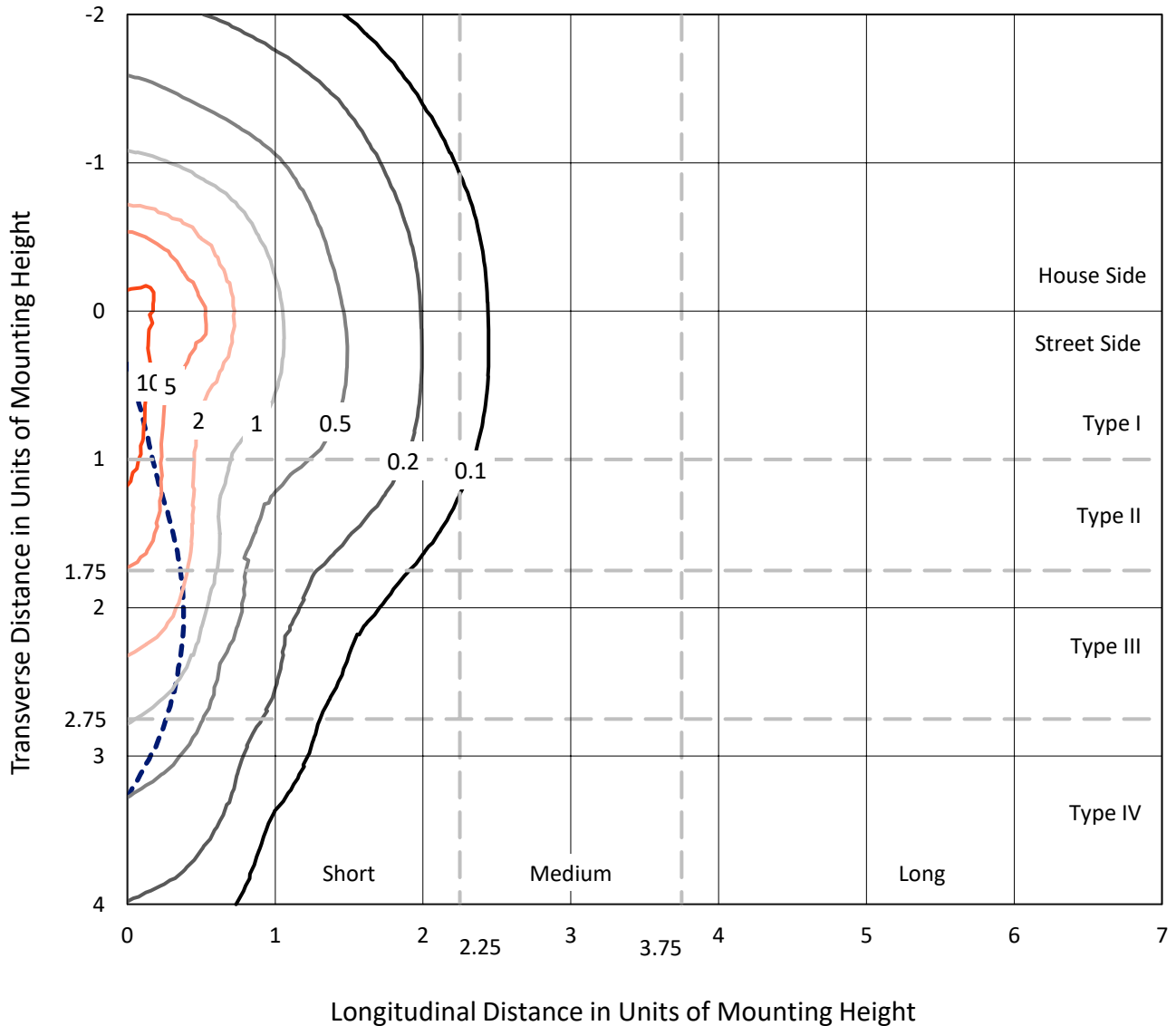
Input Watts (W): 377
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P456353
 CATALOG NUMBER: GALN-SA7C-760-U-SLR

Iso-Footcandle Lines of Horizontal Illumination

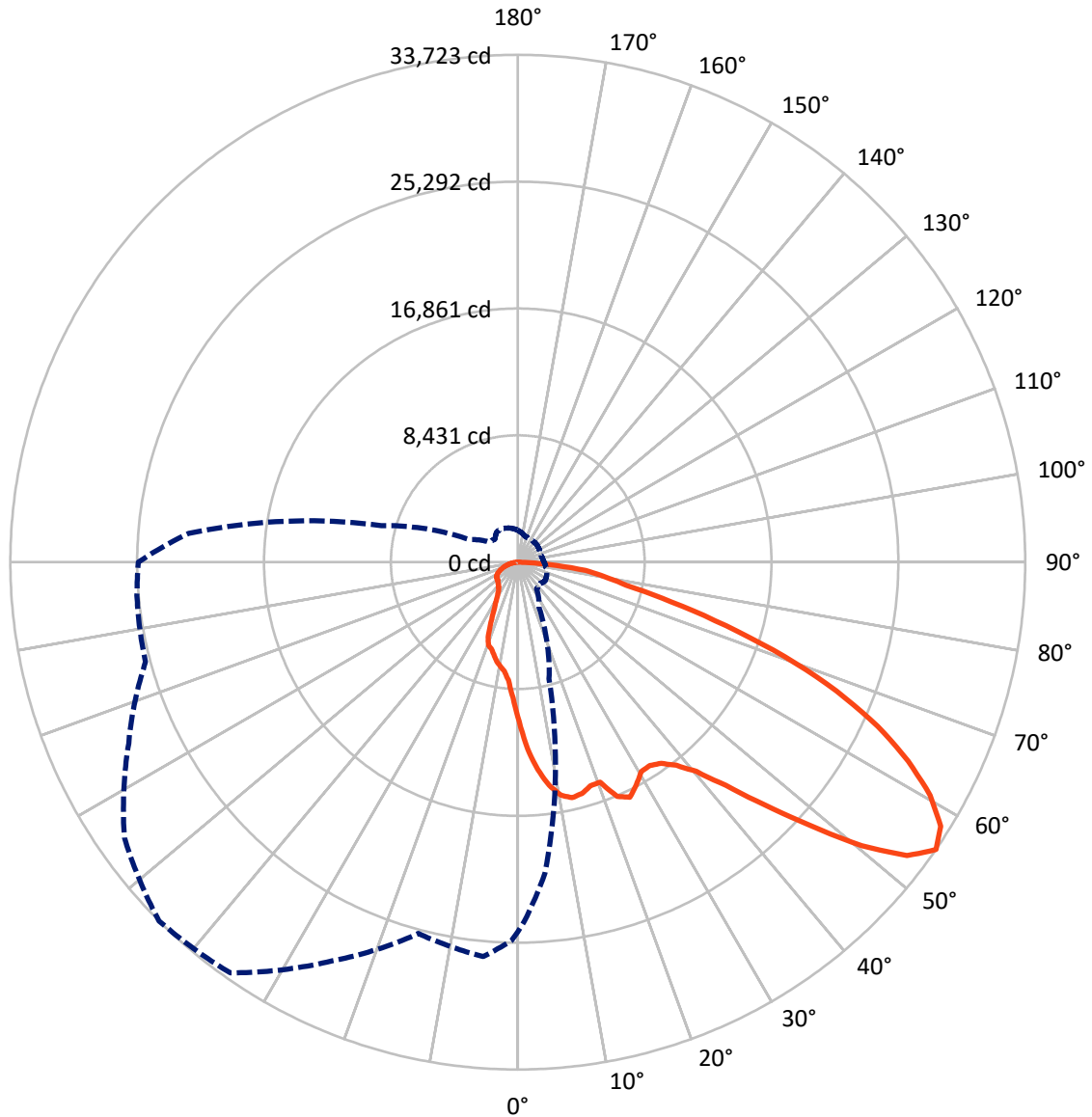
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 18.1 fc
 Type IV - Short - N/A

REPORT NUMBER: P456353
CATALOG NUMBER: GALN-SA7C-760-U-SLR

Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P456353

CATALOG NUMBER: GALN-SA7C-760-U-SLR

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9233.2	0.0	9233.2
	% Fixture	21.9	0.0	21.9
Street Side	Lumens	32976.8	0.0	32976.8
	% Fixture	78.1	0.0	78.1
Total	Lumens	42210.0	0.0	42210.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	897.8	2.1
10°-20°	2381.9	5.6
20°-30°	4114.8	9.7
30°-40°	4782.0	11.3
40°-50°	6671.9	15.8
50°-60°	9053.0	21.4
60°-70°	8612.9	20.4
70°-80°	4652.9	11.0
80°-90°	1042.8	2.5
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°	42210.0	100.0
0°-180°	42210.0	100.0



REPORT NUMBER: P456353

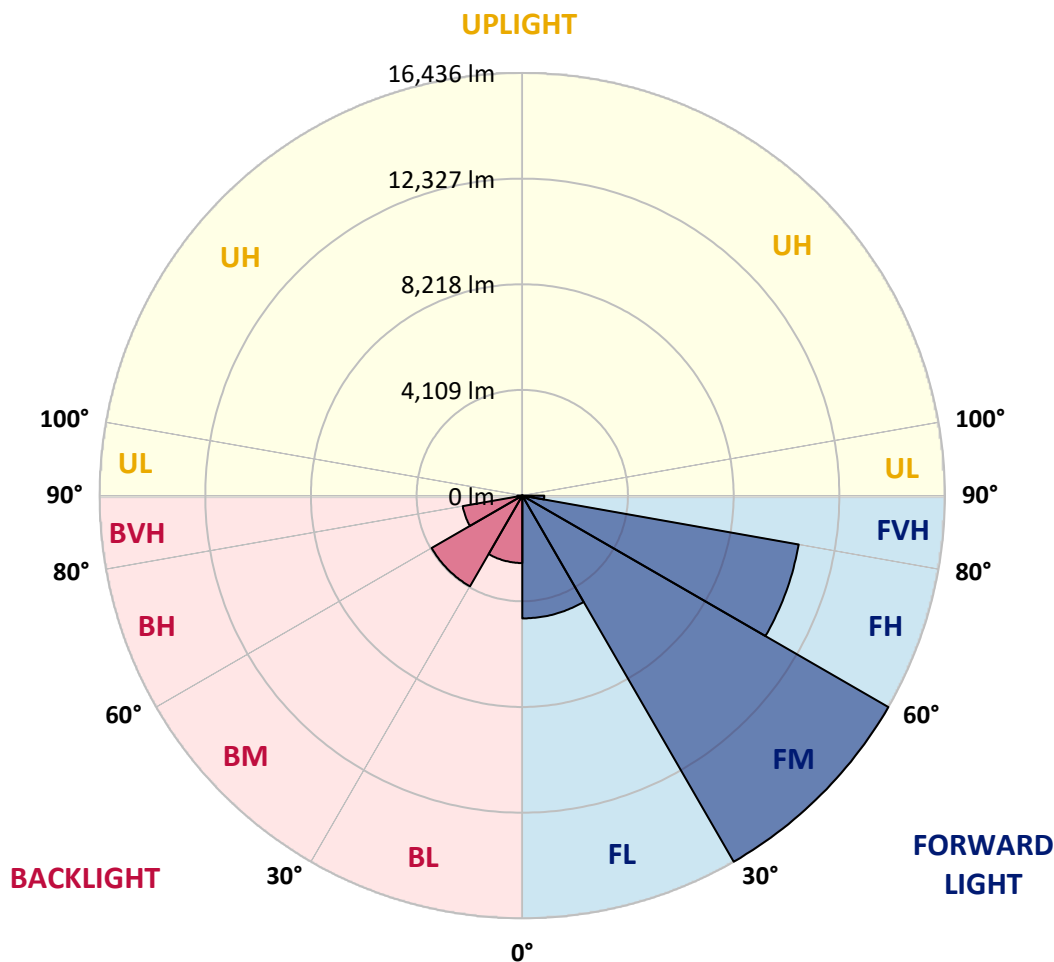
CATALOG NUMBER: GALN-SA7C-760-U-SLR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4774.0	11.3			
FM	(30°-60°)	16435.7	38.9			
FH	(60°-80°)	10914.8	25.9			G4/12000
FVH	(80°-90°)	852.2	2.0			G5
BL	(0°-30°)	2620.4	6.2	B4/5000		
BM	(30°-60°)	4071.3	9.6	B3/5000		
BH	(60°-80°)	2351.0	5.6	B3/2500		G3/2500
BVH	(80°-90°)	190.6	0.5			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5

Type IV Short





REPORT NUMBER: P456353
 CATALOG NUMBER: GALN-SA7C-760-U-SLR

CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1
2.5°	11768.2	11723.7	11598.3	11269.7	10938.4	10601.4	10342.4	10019.4	9682.5	9501.5	9270.3
5°	11929.7	11879.6	11584.4	10843.7	10172.6	9468.0	8905.5	8412.6	8212.1	7916.9	7680.2
7.5°	11551.0	11528.7	11086.0	10022.2	9103.2	8181.5	7543.8	7148.4	6789.1	6655.5	6683.3
10°	11205.7	11116.6	10562.4	9172.9	8100.7	7351.7	6895.0	6507.9	6254.5	6187.6	6201.6
12.5°	10918.9	10799.1	10144.7	8602.0	7663.5	7064.8	6482.8	6079.0	5847.9	5912.0	6129.2
15°	10860.4	10698.9	9969.3	8407.1	7424.1	6652.7	6015.0	5549.9	5377.3	5516.5	5864.6
17.5°	11239.1	11035.8	10270.0	8471.1	7195.7	6232.2	5449.7	4917.8	4773.0	4995.8	5449.7
20°	12456.0	12155.3	11208.5	8841.5	7173.4	6023.3	5121.1	4586.4	4647.7	5071.0	5544.4
22.5°	14706.1	14255.0	12851.5	9381.7	7290.4	5970.4	5054.3	4775.8	5112.7	5472.0	5783.9
25°	15151.6	14798.0	13146.6	9504.2	7265.3	5934.2	5243.6	5382.9	5758.8	5937.0	5828.4
27.5°	15402.3	14998.5	13127.2	8897.2	6496.7	5382.9	5012.5	5243.6	5338.3	5165.6	4870.5
30°	15987.1	15566.6	13458.5	8259.5	5349.4	3993.3	3500.4	3405.7	3469.8	3503.2	3397.4
32.5°	16791.8	16376.9	14082.3	7841.8	4625.4	3302.7	2818.1	2684.5	2653.8	2617.6	2575.9
35°	17833.3	17195.6	14694.9	7574.4	4327.4	3054.8	2609.3	2506.2	2464.5	2414.3	2369.8
37.5°	18891.5	18223.2	15469.1	7293.2	4129.7	2882.2	2470.0	2422.7	2350.3	2297.4	2233.3
40°	20016.5	19267.5	16173.6	7048.1	3937.6	2770.8	2369.8	2364.2	2269.5	2208.3	2133.1
42.5°	20991.2	20219.8	16803.0	6897.7	3790.0	2653.8	2308.5	2325.2	2227.8	2135.9	2038.4
45°	21765.3	21007.9	17385.0	6897.7	3670.3	2536.9	2297.4	2286.3	2188.8	2074.6	1963.2
47.5°	22444.8	21662.3	17953.1	7073.2	3595.1	2439.4	2236.1	2255.6	2155.4	2010.6	1902.0
50°	22971.1	22280.5	18718.9	7346.1	3519.9	2361.4	2158.2	2264.0	2127.5	1977.1	1851.8
52.5°	23642.2	23024.0	19640.6	7719.2	3455.8	2275.1	2088.5	2264.0	2124.7	1979.9	1843.5
55°	24572.3	23920.7	20751.7	8028.3	3352.8	2194.4	2027.3	2199.9	2116.4	1966.0	1821.2
57.5°	25224.0	24736.6	21537.0	8234.4	3205.2	2091.3	1971.6	2138.7	2080.2	1913.1	1754.4
58°	25254.6	24778.4	21651.2	8281.7	3169.0	2071.8	1957.7	2110.8	2063.5	1890.8	1732.1
60°	24903.7	24494.4	21673.4	8214.9	2962.9	1974.4	1885.3	1996.6	1974.4	1759.9	1612.4
62.5°	23628.3	23191.1	20774.0	7671.9	2690.0	1854.6	1773.9	1843.5	1793.4	1576.1	1439.7
65°	21815.5	21010.7	18924.9	6819.8	2495.1	1726.5	1623.5	1629.1	1576.1	1420.2	1300.5
67.5°	19401.1	18501.7	16023.3	5747.7	2347.5	1584.5	1445.3	1431.3	1367.3	1267.0	1169.6
70°	16429.8	15814.4	13021.3	4675.5	2183.2	1428.6	1244.8	1236.4	1197.4	1122.2	1035.9
72.5°	13316.5	12534.0	10515.1	3742.7	1982.7	1278.2	1058.2	1074.9	1024.8	971.9	893.9
75°	9827.3	9314.9	8128.6	3001.9	1712.6	1113.9	882.8	888.3	866.0	810.4	749.1
77.5°	6471.7	6318.5	5814.5	1971.6	1317.2	885.5	721.2	726.8	710.1	660.0	595.9
80°	4355.3	4252.3	3940.4	1269.8	880.0	640.5	556.9	562.5	559.7	506.8	420.5
82.5°	2684.5	2639.9	2539.7	857.7	609.9	459.5	367.6	384.3	414.9	356.4	286.8
85°	1267.0	1269.8	1534.4	467.8	359.2	295.2	200.5	214.4	214.4	214.4	161.5
87.5°	164.3	172.7	211.6	197.7	130.9	111.4	72.4	61.3	52.9	69.6	50.1
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: P456353
 CATALOG NUMBER: GALN-SA7C-760-U-SLR

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1
2.5°	9189.6	9133.9	9014.1	8986.3	8969.6	9016.9	8891.6	8925.0	8869.3	9025.3	9000.2
5°	7694.2	7699.7	7797.2	7861.3	7883.5	7861.3	7777.7	7632.9	7521.5	7477.0	7488.1
7.5°	6630.4	6727.9	6895.0	7081.5	7251.4	7301.5	7254.2	6978.5	6677.7	6488.4	6427.1
10°	6276.8	6407.6	6599.8	6747.4	6897.7	7017.5	7042.5	6828.1	6471.7	6023.3	5847.9
12.5°	6296.2	6474.5	6658.3	6705.6	6691.7	6739.0	6716.7	6680.5	6446.6	5875.8	5583.4
15°	6112.5	6324.1	6452.2	6427.1	6382.6	6340.8	6282.3	6190.4	6106.9	5705.9	5382.9
17.5°	5689.2	5906.4	6012.2	6020.6	6020.6	6009.4	5867.4	5834.0	5822.8	5627.9	5430.2
20°	5767.1	5886.9	5839.6	5761.6	5783.9	5859.0	5775.5	5758.8	5822.8	5909.2	5873.0
22.5°	5811.7	5769.9	5413.5	5068.2	4990.2	5224.1	5271.5	5458.0	5717.0	6028.9	6232.2
25°	5536.0	5199.1	4561.4	4171.5	3951.5	4168.7	4452.8	4798.1	5185.1	5586.1	5822.8
27.5°	4628.2	4372.0	3915.3	3564.4	3372.3	3405.7	3648.0	3962.7	4321.9	4592.0	4764.6
30°	3486.5	3372.3	3135.6	3015.8	2898.9	2871.0	2974.1	3093.8	3252.5	3286.0	3330.5
32.5°	2567.5	2550.8	2564.7	2525.7	2503.5	2500.7	2470.0	2497.9	2514.6	2534.1	2495.1
35°	2322.5	2300.2	2261.2	2250.1	2236.1	2241.7	2227.8	2213.8	2225.0	2241.7	2252.8
37.5°	2197.1	2163.7	2108.0	2088.5	2088.5	2096.9	2074.6	2069.0	2088.5	2141.4	2169.3
40°	2099.7	2060.7	1996.6	1971.6	1988.3	2010.6	1979.9	1968.8	2016.1	2071.8	2116.4
42.5°	2007.8	1977.1	1915.9	1888.0	1902.0	1943.7	1899.2	1890.8	1952.1	2013.3	2066.3
45°	1929.8	1899.2	1843.5	1829.6	1835.1	1874.1	1843.5	1843.5	1902.0	1968.8	2016.1
47.5°	1868.5	1829.6	1793.4	1782.2	1787.8	1810.1	1804.5	1804.5	1860.2	1929.8	1977.1
50°	1807.3	1773.9	1726.5	1732.1	1746.0	1776.6	1773.9	1782.2	1837.9	1924.2	1974.4
52.5°	1779.4	1729.3	1676.4	1682.0	1723.7	1759.9	1748.8	1757.2	1821.2	1982.7	2055.1
55°	1748.8	1682.0	1620.7	1629.1	1676.4	1729.3	1715.4	1726.5	1801.7	2021.7	2122.0
57.5°	1690.3	1612.4	1545.5	1551.1	1620.7	1676.4	1654.1	1668.0	1757.2	1979.9	2085.8
58°	1665.3	1598.4	1534.4	1537.2	1604.0	1665.3	1640.2	1651.3	1743.2	1968.8	2069.0
60°	1559.4	1520.5	1464.8	1467.5	1531.6	1584.5	1570.6	1581.7	1670.8	1888.0	1963.2
62.5°	1414.6	1392.4	1378.4	1378.4	1417.4	1467.5	1481.5	1495.4	1576.1	1707.0	1773.9
65°	1258.7	1258.7	1261.5	1261.5	1286.5	1350.6	1358.9	1395.1	1470.3	1534.4	1584.5
67.5°	1152.9	1147.3	1152.9	1138.9	1150.1	1189.1	1230.8	1264.3	1342.2	1386.8	1403.5
70°	1016.4	1013.6	1016.4	996.9	1010.9	1044.3	1072.1	1127.8	1208.6	1242.0	1250.3
72.5°	882.8	882.8	888.3	874.4	874.4	910.6	930.1	991.4	1066.5	1086.0	1088.8
75°	743.5	751.9	751.9	732.4	737.9	760.2	785.3	835.4	905.0	919.0	919.0
77.5°	590.4	621.0	621.0	601.5	609.9	612.6	646.1	671.1	724.0	729.6	707.3
80°	428.8	459.5	484.5	467.8	481.8	465.0	484.5	501.2	554.2	529.1	492.9
82.5°	306.3	328.6	348.1	350.9	337.0	306.3	331.4	334.2	359.2	325.8	306.3
85°	169.9	189.4	214.4	203.3	181.0	161.5	169.9	175.4	172.7	164.3	153.2
87.5°	44.6	47.3	52.9	39.0	36.2	30.6	41.8	41.8	47.3	50.1	47.3
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: P456353

CATALOG NUMBER: GALN-SA7C-760-U-SLR

CANDELA DISTRIBUTION (continued):

	185°	195°	205°	215°	225°	235°	245°	255°	265°	270°	275°
0°	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1
2.5°	9019.7	9142.2	9406.8	9607.3	9852.3	10150.3	10501.2	10854.8	11236.3	11356.1	11523.2
5°	7463.0	7769.4	7897.5	8262.3	8624.3	9167.3	9746.5	10417.6	11152.8	11506.4	11846.2
7.5°	6377.0	6541.3	6675.0	6942.3	7376.7	8036.7	8763.5	9601.7	10643.2	11158.4	11656.8
10°	5792.2	5808.9	5973.2	6304.6	6683.3	7265.3	7953.2	8891.6	10052.8	10679.4	11264.2
12.5°	5405.1	5332.7	5511.0	5856.3	6285.1	6822.6	7454.7	8348.6	9626.8	10270.0	10977.4
15°	5065.4	4951.2	5084.9	5438.6	5861.8	6494.0	7173.4	8120.2	9459.7	10208.8	10994.1
17.5°	5073.8	4759.1	4806.4	5104.4	5524.9	6168.1	6992.4	8111.9	9713.1	10576.4	11506.4
20°	5700.3	5196.3	4981.9	5037.6	5444.1	6145.9	7076.0	8501.7	10545.7	11804.4	12798.6
22.5°	6315.7	6012.2	5666.9	5552.7	5775.5	6510.7	7607.8	9423.5	12355.8	14252.2	16048.3
25°	6101.3	6360.3	6274.0	6112.5	6162.6	6772.4	7969.9	10180.9	13762.1	15897.9	17585.5
27.5°	4881.6	5352.2	5446.9	5444.1	5463.6	5964.9	7167.9	9671.3	13937.5	16212.6	17825.0
30°	3430.8	3472.5	3522.7	3620.1	3709.2	4157.6	5608.4	8490.6	13859.5	16354.6	17969.8
32.5°	2475.6	2531.3	2600.9	2734.6	2946.2	3517.1	4906.7	8114.7	14271.7	16942.2	18393.1
35°	2264.0	2328.0	2394.9	2548.0	2748.5	3277.6	4628.2	7958.7	14948.4	17894.6	19153.3
37.5°	2197.1	2269.5	2328.0	2439.4	2600.9	3105.0	4374.8	7852.9	15641.8	18902.7	20172.5
40°	2149.8	2233.3	2280.7	2369.8	2481.2	2946.2	4149.2	7769.4	16312.9	19824.4	20991.2
42.5°	2108.0	2194.4	2255.6	2319.7	2411.6	2804.2	3948.7	7685.8	16894.9	20718.3	21807.1
45°	2057.9	2166.5	2244.5	2294.6	2375.4	2684.5	3795.6	7619.0	17557.6	21511.9	22631.4
47.5°	2016.1	2135.9	2233.3	2291.8	2322.5	2600.9	3673.0	7710.9	18354.1	22341.8	23397.2
50°	2018.9	2133.1	2255.6	2347.5	2266.8	2531.3	3597.9	8075.7	19390.0	23327.6	24001.5
52.5°	2108.0	2247.3	2344.7	2367.0	2188.8	2447.8	3558.9	8713.4	20615.3	24199.2	24611.3
55°	2208.3	2353.1	2458.9	2445.0	2147.0	2341.9	3550.5	9392.8	21957.5	25215.6	25405.0
57.5°	2172.1	2383.7	2545.2	2472.8	2149.8	2238.9	3514.3	9941.4	23079.7	25975.8	26190.3
58°	2160.9	2372.6	2556.4	2467.3	2141.4	2208.3	3506.0	9988.8	23235.7	26028.7	26301.6
60°	2052.3	2275.1	2548.0	2425.5	2094.1	2124.7	3414.1	10141.9	23193.9	25755.8	26368.5
62.5°	1854.6	2038.4	2355.9	2222.2	1949.3	2013.3	3208.0	9952.6	22063.3	24441.5	25391.0
65°	1631.8	1768.3	1979.9	1954.9	1743.2	1899.2	2926.7	9203.5	19799.3	22308.4	23308.1
67.5°	1464.8	1576.1	1709.8	1673.6	1567.8	1746.0	2623.2	7936.4	17259.7	19746.4	21005.1
70°	1294.9	1381.2	1448.1	1423.0	1389.6	1595.6	2353.1	6441.0	14825.8	17312.6	18532.3
72.5°	1122.2	1203.0	1258.7	1222.5	1203.0	1436.9	2133.1	4998.6	11709.7	14282.8	15850.6
75°	938.4	1019.2	1058.2	1016.4	1005.3	1267.0	1807.3	3734.3	8785.8	11010.8	12364.1
77.5°	726.8	813.1	863.3	849.3	854.9	1041.5	1459.2	2556.4	6282.3	7504.8	8930.6
80°	509.6	604.3	637.7	623.8	662.8	793.6	1030.3	1623.5	4333.0	4870.5	5875.8
82.5°	314.7	403.8	409.4	423.3	451.1	587.6	776.9	988.6	2720.7	2812.6	3542.2
85°	158.7	192.1	206.1	228.3	253.4	359.2	442.8	612.6	1751.6	1325.5	1979.9
87.5°	52.9	55.7	66.8	83.5	103.0	147.6	189.4	250.6	434.4	239.5	612.6
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: P456353

CATALOG NUMBER: GALN-SA7C-760-U-SLR

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1	10593.1
2.5°	11860.1	12096.8	12269.5	12428.2	12275.0	12261.1	12110.7	11868.5	11768.2	11768.2
5°	12559.1	13113.2	13561.6	13848.4	13725.9	13430.7	12943.4	12322.4	11988.2	11929.7
7.5°	12751.2	13845.6	14678.2	14973.4	14767.4	14115.7	13182.8	12135.8	11656.8	11551.0
10°	12634.3	14057.2	15279.7	15747.6	15460.7	14475.0	13202.3	11918.6	11328.2	11205.7
12.5°	12511.7	14085.1	15391.1	16067.8	15881.2	14764.6	13344.4	11776.6	11094.3	10918.9
15°	12600.8	14096.2	15254.7	15953.6	16073.4	15112.7	13578.3	11879.6	11047.0	10860.4
17.5°	13163.4	14307.9	15059.7	15625.0	16045.5	15586.1	14243.8	12372.5	11470.2	11239.1
20°	14338.5	14814.7	15171.1	15608.3	16285.0	16552.4	15605.6	13725.9	12659.3	12456.0
22.5°	17741.4	17655.1	16925.5	16917.2	17897.4	18969.5	18905.4	16477.2	14873.2	14706.1
25°	19016.8	18615.8	17560.4	17304.2	17735.9	19390.0	19150.5	17039.7	15558.2	15151.6
27.5°	18518.4	17524.2	16830.8	16772.3	16630.3	18192.6	18769.0	17268.0	15797.7	15402.3
30°	18487.7	17025.8	16034.4	16151.4	16287.8	17780.4	18980.6	17983.7	16410.3	15987.1
32.5°	18562.9	17095.4	16092.9	16115.2	16521.7	17841.7	19214.5	18763.4	17215.1	16791.8
35°	18866.5	17490.8	16466.0	16413.1	17048.0	18242.7	19612.8	19988.7	18315.1	17833.3
37.5°	19356.6	18278.9	17148.3	17134.4	18056.1	18966.7	20108.4	21225.1	19409.5	18891.5
40°	20077.8	19200.6	18362.4	18287.2	19426.2	20144.6	20751.7	22542.3	20682.1	20016.5
42.5°	20949.4	20306.2	19963.6	20261.6	21356.0	21467.4	21754.2	23759.2	21765.3	20991.2
45°	21757.0	21726.4	22202.5	22993.4	23631.1	22962.8	22801.3	24575.1	22606.3	21765.3
47.5°	22717.7	23547.6	24984.5	26142.9	26811.2	24703.2	23695.2	25107.0	23219.0	22444.8
50°	23692.4	25728.0	28022.6	29637.7	29779.8	26594.0	24310.6	25608.3	23775.9	22971.1
52.5°	24717.1	27468.4	30523.3	32400.2	32124.5	28239.8	24906.5	25948.0	24349.6	23642.2
55°	25608.3	28535.0	31921.2	33722.9	33319.1	29242.3	25549.8	26315.6	25168.3	24572.3
57.5°	26106.7	28624.1	31573.1	33146.5	32709.3	29047.4	25845.0	26588.5	25691.8	25224.0
58°	26179.1	28504.4	31264.0	32812.3	32366.8	28883.1	25842.2	26577.3	25725.2	25254.6
60°	26115.1	27727.4	30113.9	31492.4	31024.5	27852.7	25736.3	26368.5	25301.9	24903.7
62.5°	25521.9	26379.6	28128.4	29130.9	28997.3	26243.2	25301.9	25580.4	24012.6	23628.3
65°	24742.2	24541.7	25586.0	26296.1	26396.3	25037.4	24870.3	23876.2	22358.5	21815.5
67.5°	23795.4	22458.7	22456.0	22859.7	23026.8	23182.8	23970.8	22024.3	19974.8	19401.1
70°	22188.6	19248.0	18362.4	18838.6	18699.4	20016.5	22364.1	19423.4	17100.9	16429.8
72.5°	19242.4	15274.2	13856.7	14469.4	14118.5	15697.4	19568.2	15984.3	14140.8	13316.5
75°	15597.2	11425.7	9963.7	10526.2	10309.0	11907.4	16282.2	11609.5	10141.9	9827.3
77.5°	12110.7	8279.0	7429.6	7351.7	7513.2	8861.0	11943.6	7839.0	6686.1	6471.7
80°	7780.5	5925.9	5976.0	5875.8	5959.3	5586.1	7251.4	5001.4	4527.9	4355.3
82.5°	5121.1	4129.7	4923.4	4544.7	4316.3	3756.6	4756.3	3274.8	2779.1	2684.5
85°	3489.2	3040.9	2768.0	2116.4	2492.3	2893.3	3567.2	1762.7	1397.9	1267.0
87.5°	1576.1	1058.2	776.9	479.0	757.4	874.4	1732.1	206.1	158.7	164.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)