

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: P455134

Luminaire Tested: **GALN-SA6B-740-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455134
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-23)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA6B-740-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 24232 lumens
Efficiency: N/A
Efficacy: 99.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G4

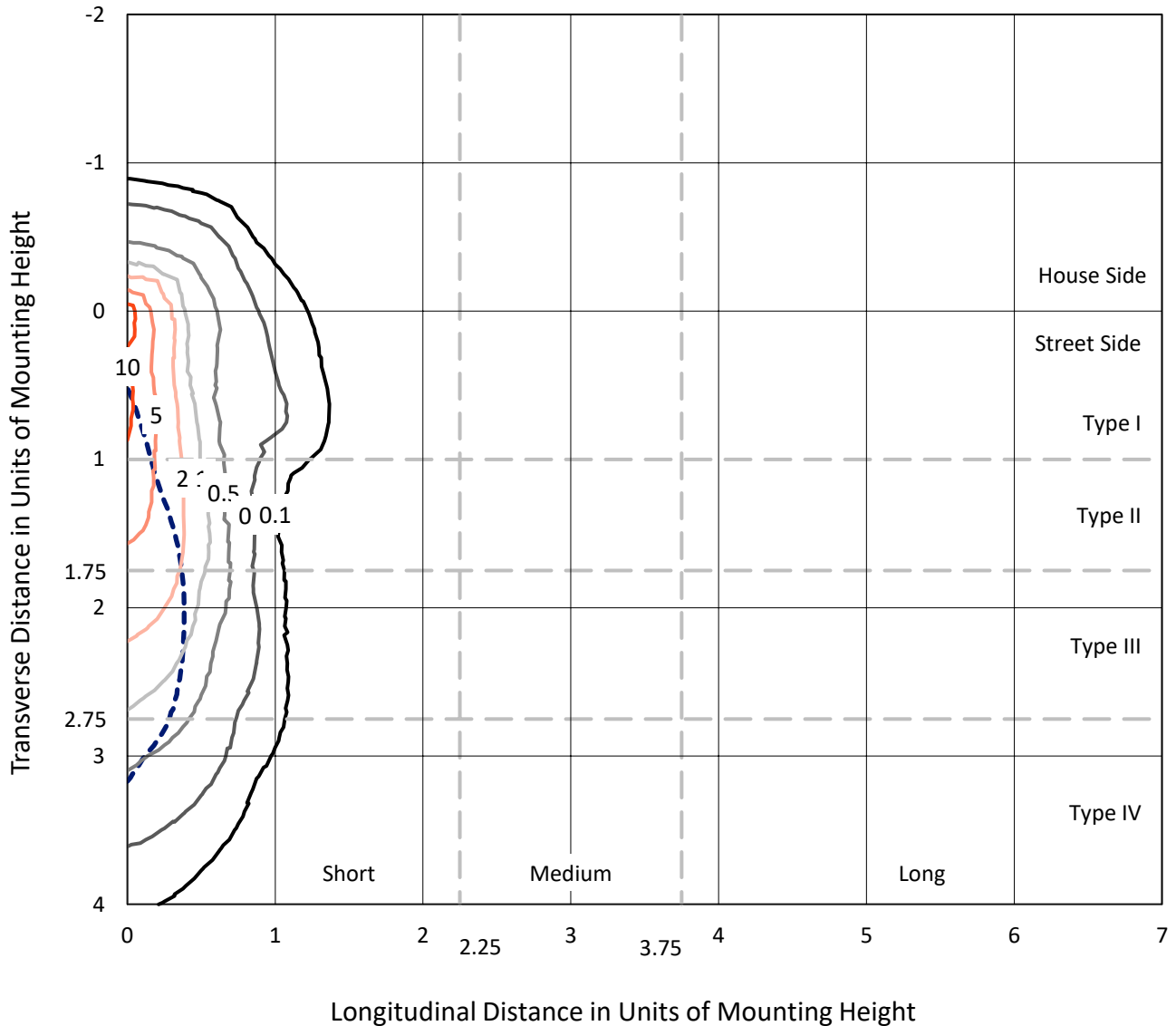
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

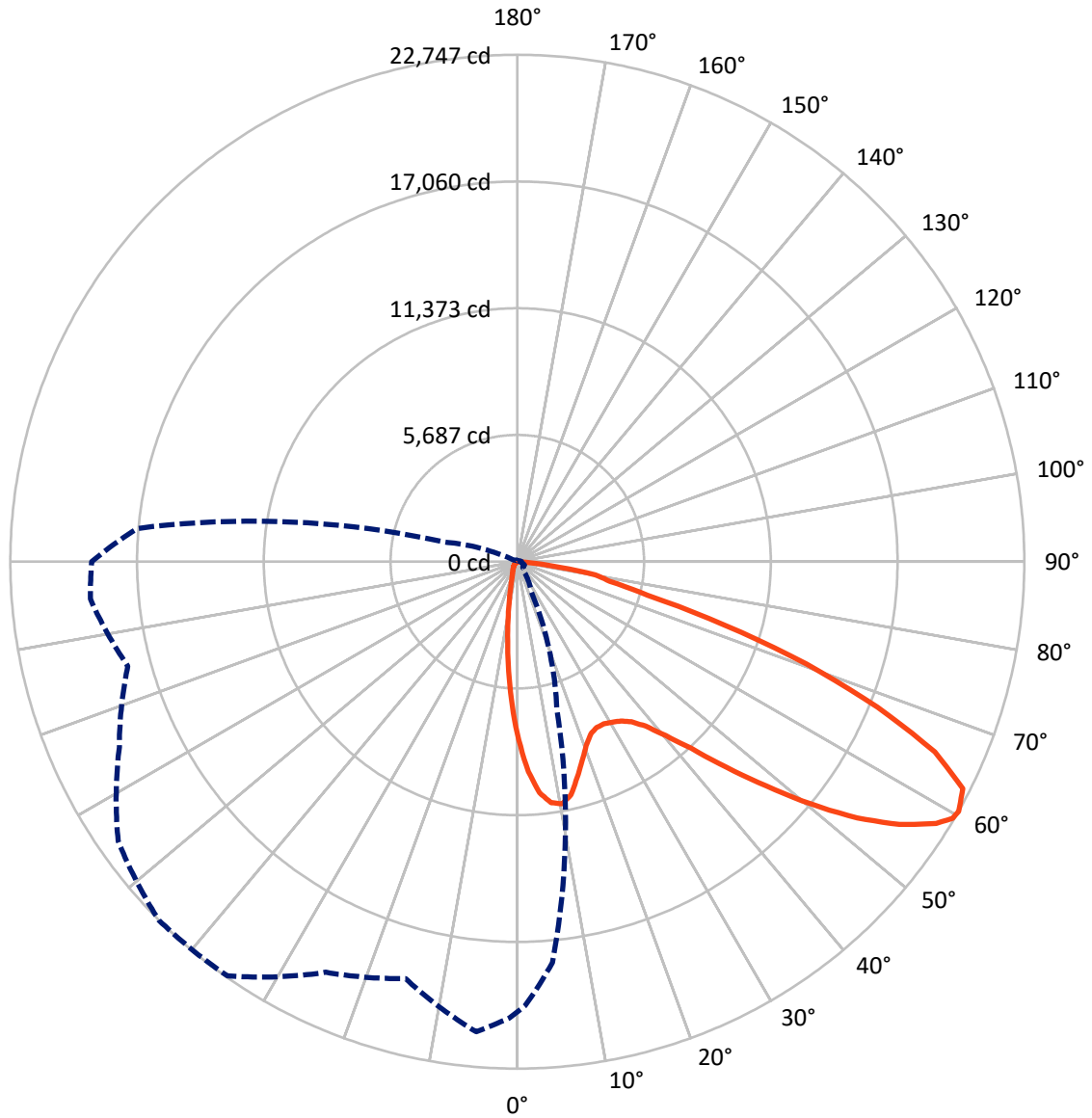
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 315-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2988.8	0.0	2988.8
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	21243.2	0.0	21243.2
	% Fixture	87.7	0.0	87.7
Total	Lumens	24232.0	0.0	24232.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	595.7	2.5
10°-20°	1183.0	4.9
20°-30°	1734.7	7.2
30°-40°	2579.7	10.6
40°-50°	3754.3	15.5
50°-60°	5414.0	22.3
60°-70°	5954.8	24.6
70°-80°	2667.3	11.0
80°-90°	348.5	1.4
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°	24232.0	100.0
0°-180°	24232.0	100.0



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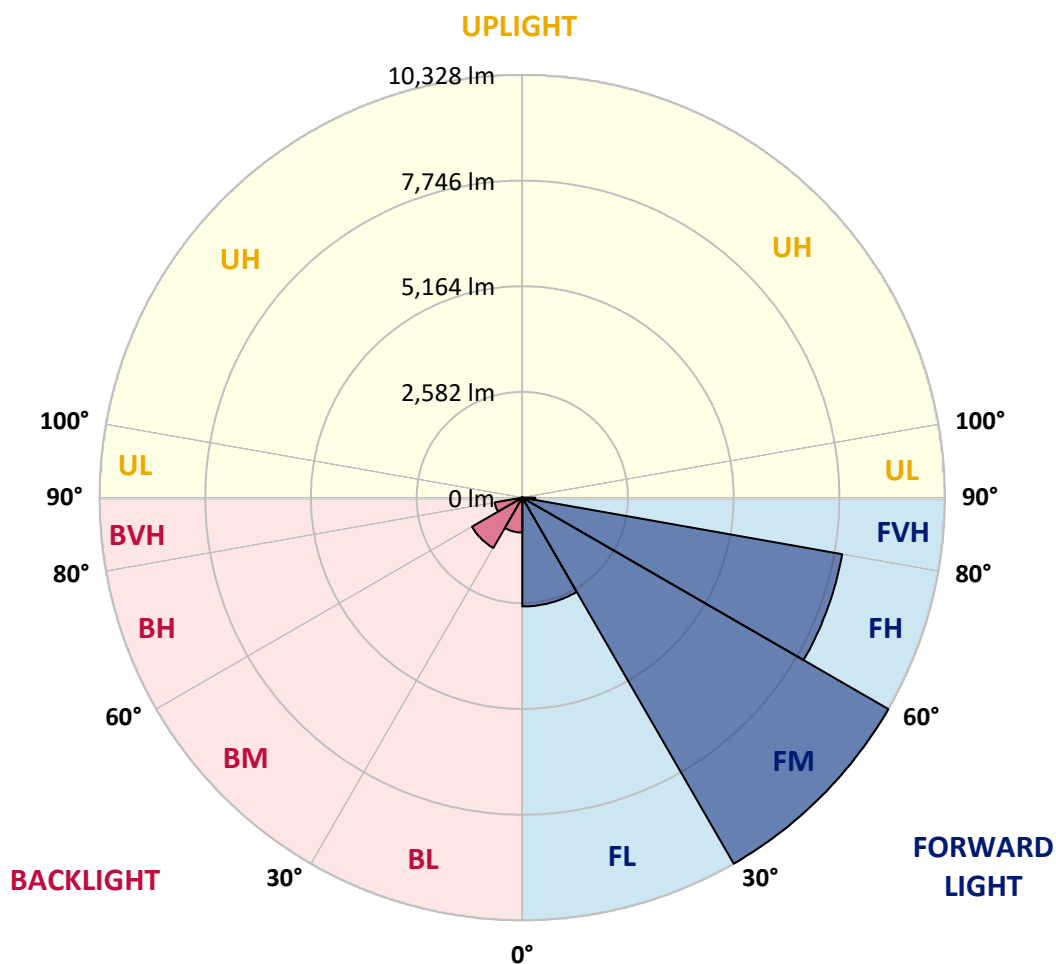
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2659.4	11.0			
FM	(30°-60°)	10328.4	42.6			
FH	(60°-80°)	7936.7	32.8			G4/12000
FVH	(80°-90°)	318.7	1.3			G3/500
BL	(0°-30°)	854.0	3.5	B2/1000		
BM	(30°-60°)	1419.6	5.9	B2/2500		
BH	(60°-80°)	685.4	2.8	B2/1000		G2/1000
BVH	(80°-90°)	29.8	0.1			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0
2.5°	8804.8	8766.1	8677.7	8408.7	8174.8	7869.0	7559.6	7316.4	7167.2	6892.8	6767.5
5°	8530.3	8548.7	8292.7	7740.1	7124.9	6704.9	6246.2	5881.5	5480.0	5225.8	4958.7
7.5°	7813.8	7776.9	7498.8	6728.8	5981.0	5373.1	4792.9	4321.3	4024.8	3787.2	3588.2
10°	7200.4	7172.8	6817.2	5826.3	5023.1	4568.2	4175.8	3763.2	3444.5	3096.4	2818.3
12.5°	6815.4	6752.8	6343.9	5308.6	4654.7	4231.1	3803.7	3374.5	2934.3	2582.5	2245.4
15°	6686.5	6596.2	6141.2	5130.0	4419.0	3881.1	3345.1	2851.4	2344.9	1956.2	1702.0
17.5°	6920.4	6771.2	6286.8	5098.7	4137.1	3424.3	2764.8	2122.0	1595.2	1298.6	1142.0
20°	7456.4	7285.1	6655.2	5067.3	3824.0	2912.2	2101.7	1499.4	1103.4	941.3	854.7
22.5°	8252.2	8016.4	7200.4	5117.1	3534.8	2413.0	1517.8	1059.2	876.8	775.5	714.7
25°	9208.2	9011.1	7891.1	5293.9	3306.4	2020.7	1173.4	865.7	738.6	676.0	630.0
27.5°	10256.3	9941.3	8784.5	5505.7	3098.2	1716.7	1029.7	773.6	657.6	600.5	576.5
30°	11002.3	10757.3	9532.4	5653.1	2838.5	1488.3	941.3	762.6	659.4	591.3	547.1
32.5°	11739.1	11425.9	10158.6	5721.3	2648.8	1329.9	814.2	665.0	578.4	543.4	499.2
35°	12527.5	12199.6	10783.1	5684.4	2507.0	1224.9	738.6	593.1	495.5	436.6	392.3
37.5°	13325.0	12978.7	11403.8	5551.8	2418.5	1182.6	679.7	563.7	467.9	407.1	359.2
40°	14271.8	13809.5	11985.9	5443.1	2326.4	1160.5	641.0	545.2	447.6	383.1	335.2
42.5°	15045.5	14605.2	12536.7	5386.0	2263.8	1108.9	641.0	530.5	434.7	362.9	313.1
45°	15778.6	15321.8	13131.6	5432.1	2238.0	1044.4	648.4	528.7	425.5	348.1	298.4
47.5°	16392.0	15995.9	13743.2	5605.2	2204.9	974.4	609.7	554.4	420.0	335.2	283.7
50°	17115.9	16732.7	14551.8	5955.2	2145.9	904.4	561.8	596.8	418.1	324.2	270.8
52.5°	18136.3	17721.9	15668.1	6353.1	2052.0	797.6	517.6	591.3	410.8	305.8	257.9
55°	19383.4	19048.1	16961.1	6830.1	1923.0	677.9	447.6	525.0	388.7	274.5	235.8
57.5°	20182.8	19897.3	17930.0	7036.4	1726.0	554.4	394.2	440.2	355.5	245.0	210.0
59°	20276.8	20018.9	18132.7	6968.3	1597.0	506.6	368.4	377.6	346.3	228.4	195.3
60°	20197.5	19930.5	18051.6	6835.7	1477.3	473.4	346.3	335.2	348.1	219.2	184.2
62.5°	19689.2	19232.3	17265.1	6163.3	1291.2	434.7	307.6	274.5	307.6	197.1	163.9
65°	18707.4	18022.1	15708.6	5216.5	1217.6	412.6	261.6	230.3	233.9	173.1	141.8
67.5°	16992.5	16128.6	13636.3	4238.4	1186.2	414.5	221.0	206.3	180.5	147.4	125.3
70°	14281.0	13419.0	10941.5	3486.9	1171.5	414.5	187.9	176.8	151.0	123.4	108.7
72.5°	10120.0	9191.6	7380.9	2739.1	1055.5	412.6	160.3	160.3	123.4	103.2	88.4
75°	5717.6	5724.9	4640.0	1937.8	876.8	340.8	128.9	127.1	90.3	79.2	66.3
77.5°	3332.2	3273.2	3127.7	832.6	407.1	154.7	90.3	77.4	62.6	57.1	47.9
80°	1713.1	1409.1	1372.3	302.1	145.5	97.6	62.6	44.2	40.5	36.8	33.2
82.5°	506.6	508.4	453.1	121.6	81.0	64.5	31.3	23.9	22.1	20.3	20.3
85°	35.0	22.1	25.8	36.8	49.7	25.8	1.8	5.5	5.5	7.4	9.2
87.5°	3.7	1.8	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°	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0
2.5°	6629.4	6710.4	6559.4	6563.1	6437.8	6478.3	6331.0	6378.9	6292.3	6358.6	6553.8
5°	4988.1	5006.6	4885.0	4846.3	4864.7	4940.2	4969.7	4835.3	4892.4	4780.0	4772.6
7.5°	3514.5	3536.6	3466.6	3457.4	3590.1	3558.7	3615.8	3477.7	3346.9	3404.0	3299.0
10°	2729.8	2637.7	2494.1	2453.5	2427.8	2444.3	2444.3	2319.1	2300.7	2250.9	2326.4
12.5°	2155.1	2042.8	1906.5	1722.3	1676.2	1672.5	1604.4	1493.9	1458.9	1416.5	1479.1
15°	1565.7	1519.7	1405.4	1302.3	1197.3	1177.0	1066.5	976.3	856.5	840.0	834.4
17.5°	1101.5	1033.4	1031.5	972.6	911.8	871.3	768.1	665.0	618.9	613.4	613.4
20°	825.2	801.3	762.6	755.2	736.8	690.8	598.7	543.4	521.3	523.1	530.5
22.5°	694.4	677.9	642.9	626.3	618.9	578.4	510.2	473.4	462.3	462.3	464.2
25°	620.8	606.0	567.3	541.5	532.3	502.9	449.4	421.8	412.6	412.6	412.6
27.5°	565.5	547.1	506.6	484.4	467.9	434.7	401.6	373.9	364.7	364.7	366.6
30°	526.8	506.6	469.7	440.2	414.5	385.0	357.3	333.4	322.4	320.5	322.4
32.5°	475.2	456.8	420.0	401.6	372.1	337.1	315.0	292.9	281.8	283.7	281.8
35°	370.2	364.7	338.9	344.5	327.9	298.4	278.1	254.2	241.3	239.5	243.1
37.5°	337.1	315.0	285.5	287.4	281.8	270.8	237.6	211.8	202.6	202.6	204.5
40°	311.3	289.2	256.0	239.5	241.3	241.3	206.3	178.7	169.5	167.6	171.3
42.5°	289.2	267.1	230.3	202.6	195.3	204.5	175.0	147.4	138.2	134.5	138.2
45°	274.5	250.5	208.1	176.8	154.7	165.8	143.7	121.6	110.5	110.5	108.7
47.5°	259.7	237.6	191.6	152.9	128.9	123.4	117.9	97.6	86.6	84.7	86.6
50°	246.8	224.7	173.1	132.6	108.7	95.8	95.8	77.4	70.0	66.3	68.2
52.5°	233.9	210.0	156.6	117.9	93.9	77.4	68.2	62.6	57.1	55.3	57.1
55°	215.5	191.6	140.0	101.3	81.0	64.5	53.4	51.6	47.9	44.2	47.9
57.5°	193.4	171.3	123.4	86.6	64.5	49.7	44.2	42.4	38.7	36.8	36.8
59°	180.5	160.3	114.2	75.5	57.1	44.2	40.5	38.7	35.0	31.3	33.2
60°	173.1	156.6	108.7	70.0	51.6	40.5	36.8	35.0	31.3	29.5	31.3
62.5°	152.9	140.0	95.8	57.1	40.5	29.5	25.8	27.6	25.8	23.9	25.8
65°	134.5	123.4	81.0	44.2	31.3	20.3	18.4	23.9	22.1	20.3	22.1
67.5°	119.7	106.8	68.2	33.2	22.1	11.1	12.9	20.3	20.3	18.4	20.3
70°	103.2	92.1	55.3	23.9	11.1	5.5	9.2	14.7	18.4	16.6	18.4
72.5°	84.7	71.8	42.4	16.6	5.5	0.0	5.5	12.9	18.4	16.6	18.4
75°	66.3	53.4	31.3	9.2	0.0	0.0	1.8	11.1	18.4	16.6	18.4
77.5°	47.9	38.7	18.4	1.8	0.0	0.0	1.8	11.1	18.4	16.6	18.4
80°	31.3	27.6	7.4	0.0	0.0	0.0	1.8	11.1	18.4	18.4	20.3
82.5°	20.3	14.7	0.0	0.0	0.0	0.0	3.7	14.7	20.3	22.1	22.1
85°	9.2	0.0	0.0	0.0	0.0	0.0	7.4	18.4	23.9	23.9	23.9
87.5°	0.0	0.0	0.0	0.0	0.0	3.7	12.9	22.1	27.6	27.6	27.6
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°	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0
2.5°	6587.0	6703.0	6867.0	7119.3	7323.8	7646.1	7893.0	8230.1	8570.8	8674.0	8834.2
5°	4848.1	4997.3	5369.4	5708.4	5922.0	6603.6	7034.6	7714.3	8324.0	8616.9	8935.5
7.5°	3367.2	3544.0	3827.7	4301.1	4750.5	5305.0	6001.2	6778.6	7671.9	8090.1	8539.5
10°	2363.3	2584.3	2984.0	3372.7	3938.2	4465.0	5152.1	6010.5	6995.9	7489.6	8053.2
12.5°	1492.0	1689.1	2217.8	2654.3	3359.8	3971.4	4605.0	5382.3	6524.4	7030.9	7622.2
15°	852.8	1018.6	1265.5	1825.4	2608.3	3416.9	4207.1	5109.7	6283.1	6907.5	7546.7
17.5°	635.5	679.7	790.2	1107.0	1819.9	2764.8	3840.6	5026.8	6447.0	7180.1	7909.6
20°	534.2	563.7	615.2	740.5	1160.5	2129.4	3483.2	5041.6	6977.5	7898.5	8591.1
22.5°	478.9	497.3	539.7	620.8	792.1	1551.0	3065.1	5128.1	7620.4	8780.8	9580.2
25°	420.0	443.9	480.8	550.8	659.4	1075.7	2652.5	5321.5	8521.1	9900.8	10652.3
27.5°	373.9	396.0	432.9	497.3	578.4	821.5	2171.7	5487.3	9471.6	11028.1	11643.3
30°	327.9	350.0	386.8	438.4	512.1	665.0	1654.1	5584.9	10394.4	11873.5	12346.9
32.5°	289.2	307.6	342.6	388.7	449.4	563.7	1304.1	5483.6	11099.9	12641.7	12958.5
35°	250.5	272.6	302.1	344.5	397.9	480.8	1084.9	5133.7	11705.9	13431.9	13546.1
37.5°	210.0	235.8	267.1	305.8	348.1	442.1	871.3	4746.8	12354.3	14417.3	14229.5
40°	176.8	200.8	230.3	272.6	311.3	405.2	670.5	4334.2	13054.3	15342.0	14975.5
42.5°	143.7	169.5	204.5	243.1	307.6	353.7	519.4	3906.9	13682.4	16147.0	15649.6
45°	114.2	136.3	173.1	222.9	305.8	303.9	401.6	3485.1	14155.8	16721.7	16152.5
47.5°	90.3	108.7	145.5	217.4	281.8	257.9	322.4	3223.5	14653.1	17239.3	16537.5
50°	71.8	90.3	125.3	226.6	246.8	221.0	270.8	3265.9	15133.9	17502.7	16695.9
52.5°	60.8	79.2	108.7	178.7	189.7	193.4	237.6	3461.1	15754.6	17784.5	17010.9
55°	53.4	70.0	92.1	125.3	147.4	173.1	217.4	3603.0	16585.4	18388.7	17705.3
57.5°	42.4	60.8	82.9	106.8	121.6	151.0	200.8	3614.0	17336.9	19164.2	18628.2
59°	38.7	55.3	77.4	101.3	108.7	136.3	189.7	3520.1	17364.5	19280.2	19051.8
60°	35.0	53.4	73.7	93.9	103.2	128.9	180.5	3411.4	17114.0	19096.0	19226.8
62.5°	29.5	46.1	64.5	75.5	88.4	106.8	156.6	3017.2	15900.2	18261.6	18902.6
65°	25.8	40.5	55.3	62.6	73.7	92.1	138.2	2414.9	14559.2	17130.6	17974.3
67.5°	23.9	36.8	47.9	53.4	64.5	84.7	123.4	1705.7	12822.2	15695.7	16579.9
70°	22.1	35.0	42.4	49.7	57.1	71.8	105.0	994.7	9876.8	13179.5	14113.4
72.5°	22.1	33.2	36.8	42.4	49.7	64.5	97.6	537.9	6752.8	10053.6	11260.2
75°	22.1	31.3	33.2	36.8	44.2	58.9	86.6	281.8	4365.5	6984.9	8620.6
77.5°	22.1	29.5	33.2	35.0	42.4	51.6	75.5	176.8	2908.5	4892.4	5826.3
80°	23.9	29.5	31.3	35.0	40.5	47.9	62.6	117.9	1709.4	2943.5	3545.9
82.5°	25.8	29.5	33.2	36.8	42.4	46.1	55.3	73.7	788.4	1947.0	2203.0
85°	27.6	31.3	35.0	38.7	44.2	46.1	51.6	53.4	128.9	878.6	1188.1
87.5°	29.5	33.2	36.8	40.5	47.9	47.9	47.9	47.9	44.2	93.9	239.5
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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CATALOG NUMBER: GALN-SA6B-740-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0	8009.0
2.5°	9036.9	9245.0	9390.5	9427.4	9322.4	9274.5	9141.9	8935.5	8810.3	8804.8
5°	9523.1	10011.3	10350.2	10407.3	10204.7	9862.1	9455.0	8930.0	8622.4	8530.3
7.5°	9440.3	10294.9	10840.2	10919.4	10578.6	9924.7	9136.3	8290.8	7955.6	7813.8
10°	9099.5	10142.1	10921.2	11046.5	10591.5	9670.5	8668.5	7725.4	7309.1	7200.4
12.5°	8808.5	9862.1	10554.7	10727.8	10383.4	9464.2	8388.5	7362.5	6916.7	6815.4
15°	8681.4	9530.5	9954.2	10042.6	9985.5	9335.3	8359.0	7307.2	6797.0	6686.5
17.5°	8808.5	9248.7	9302.1	9392.4	9519.5	9322.4	8642.7	7607.5	7056.7	6920.4
20°	9141.9	9003.7	8782.7	8821.3	9112.4	9375.8	9147.4	8272.4	7601.9	7456.4
22.5°	9709.2	8942.9	8441.9	8408.7	8777.1	9554.5	9887.9	9173.2	8395.8	8252.2
25°	10405.5	9095.8	8316.6	8244.8	8646.4	9816.0	10692.8	10276.5	9427.4	9208.2
27.5°	11164.4	9412.6	8316.6	8246.6	8635.3	10048.1	11381.7	11252.8	10495.7	10256.3
30°	11580.7	9674.2	8436.4	8357.2	8771.6	10182.6	11750.1	12120.4	11298.8	11002.3
32.5°	11952.7	10037.1	8670.3	8521.1	9057.1	10381.5	12079.8	12857.2	11938.0	11739.1
35°	12295.4	10425.7	8992.7	8819.5	9432.9	10654.1	12444.6	13630.8	12827.7	12527.5
37.5°	12673.0	10877.0	9495.5	9348.2	10061.0	11184.6	12877.4	14647.6	13702.6	13325.0
40°	13083.7	11400.1	10322.6	10259.9	11059.4	11785.1	13424.5	15732.5	14701.0	14271.8
42.5°	13501.9	12002.5	11335.7	11438.8	12190.4	12626.9	13986.3	16567.0	15518.9	15045.5
45°	13881.3	12772.4	12652.7	13162.9	13509.2	13448.5	14402.6	17154.6	16231.7	15778.6
47.5°	14360.2	13894.2	14246.0	15032.6	15041.8	14341.8	14717.6	17635.3	16845.1	16392.0
50°	14896.3	15218.6	16303.6	17104.8	16889.3	15220.5	15086.0	18204.5	17478.8	17115.9
52.5°	15517.0	16701.4	18204.5	19094.2	18591.3	16178.3	15699.4	18819.7	18484.5	18136.3
55°	16239.1	17712.7	20099.9	20809.1	20302.5	17368.2	16631.4	19654.2	19621.0	19383.4
57.5°	17055.1	18781.0	21197.8	22157.4	21706.1	18764.5	17933.7	20440.7	20315.4	20182.8
59°	17699.8	19330.0	21682.2	22676.9	22404.3	19742.6	18808.7	20930.7	20475.7	20276.8
60°	18090.3	19702.0	21860.9	22746.9	22684.2	20324.6	19363.1	21170.1	20473.8	20197.5
62.5°	19248.9	20352.3	21792.7	22435.6	22680.6	21440.9	20989.6	21433.5	20094.4	19689.2
65°	19661.5	20136.8	20663.6	20584.4	20794.4	21383.8	22028.5	21144.3	19283.9	18707.4
67.5°	18858.4	17773.5	17959.5	17430.9	17327.7	19011.3	21606.7	19729.7	17698.0	16992.5
70°	15896.5	13616.1	13522.1	13765.3	13098.5	15391.8	19401.8	17005.4	15080.5	14281.0
72.5°	12512.7	9622.6	8830.6	9725.8	9705.5	11742.8	16117.5	12067.0	10188.1	10120.0
75°	9840.0	6699.4	5879.7	6025.2	6305.2	8500.8	12836.9	7662.7	6273.9	5717.6
77.5°	6605.4	4746.8	4428.2	4249.5	4551.6	5457.9	8121.4	4155.6	3518.2	3332.2
80°	3807.4	3448.2	3916.1	3555.1	3717.2	3439.0	4039.5	1906.5	1582.3	1713.1
82.5°	2477.5	1963.6	2092.5	1554.6	2125.7	2144.1	1296.8	563.7	477.1	506.6
85°	1549.1	921.0	517.6	368.4	733.1	1348.3	405.2	35.0	40.5	35.0
87.5°	401.6	152.9	64.5	95.8	117.9	105.0	93.9	5.5	1.8	3.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)