

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: P455656

Luminaire Tested: **GALN-SA6D-760-U-SLR-HSS**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455656
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-SA6D-760-U-SLR-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 1200mA 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: 32944 lumens
Efficiency: N/A
Efficacy: 89.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G4

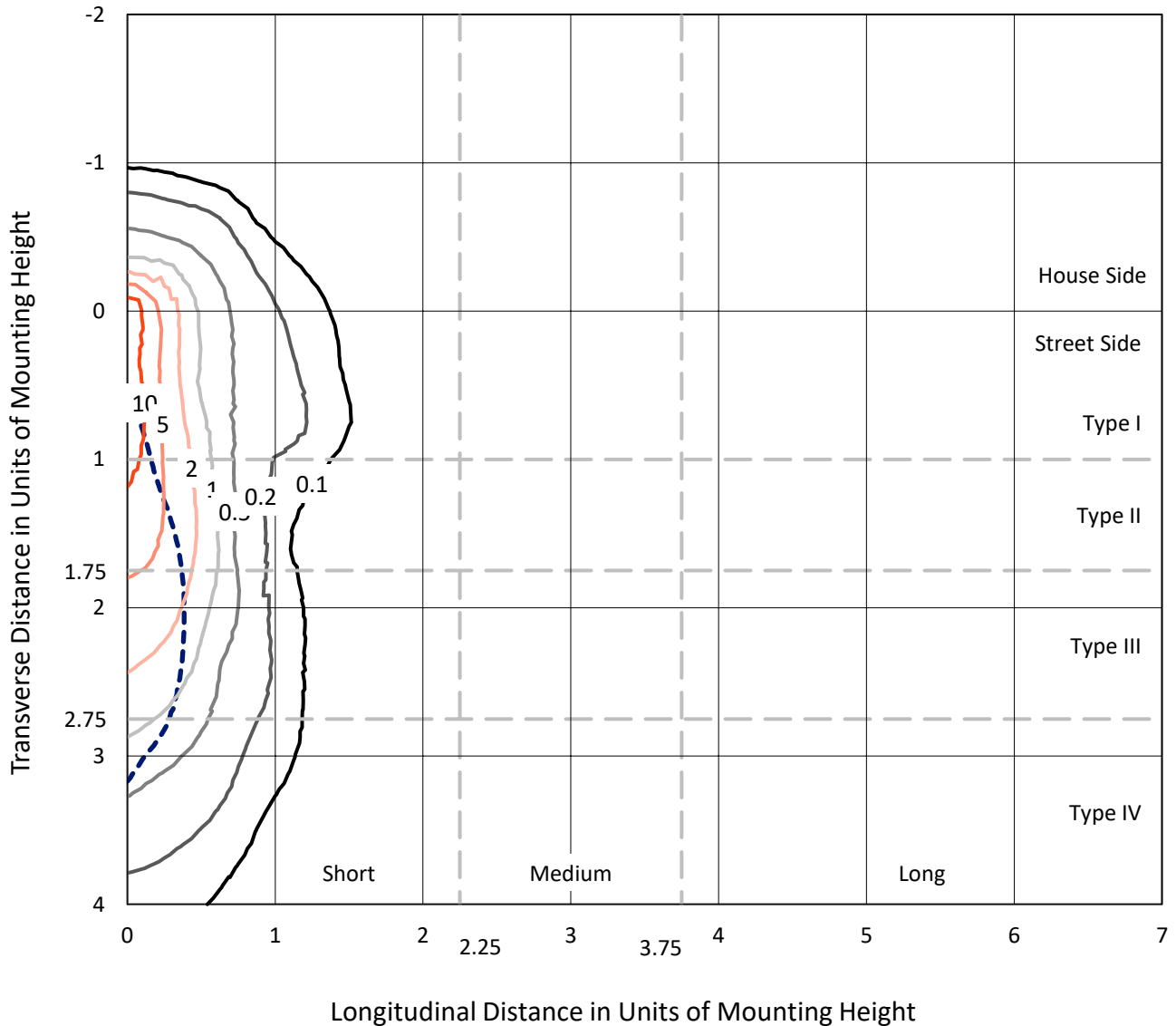
Input Watts (W): 368
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

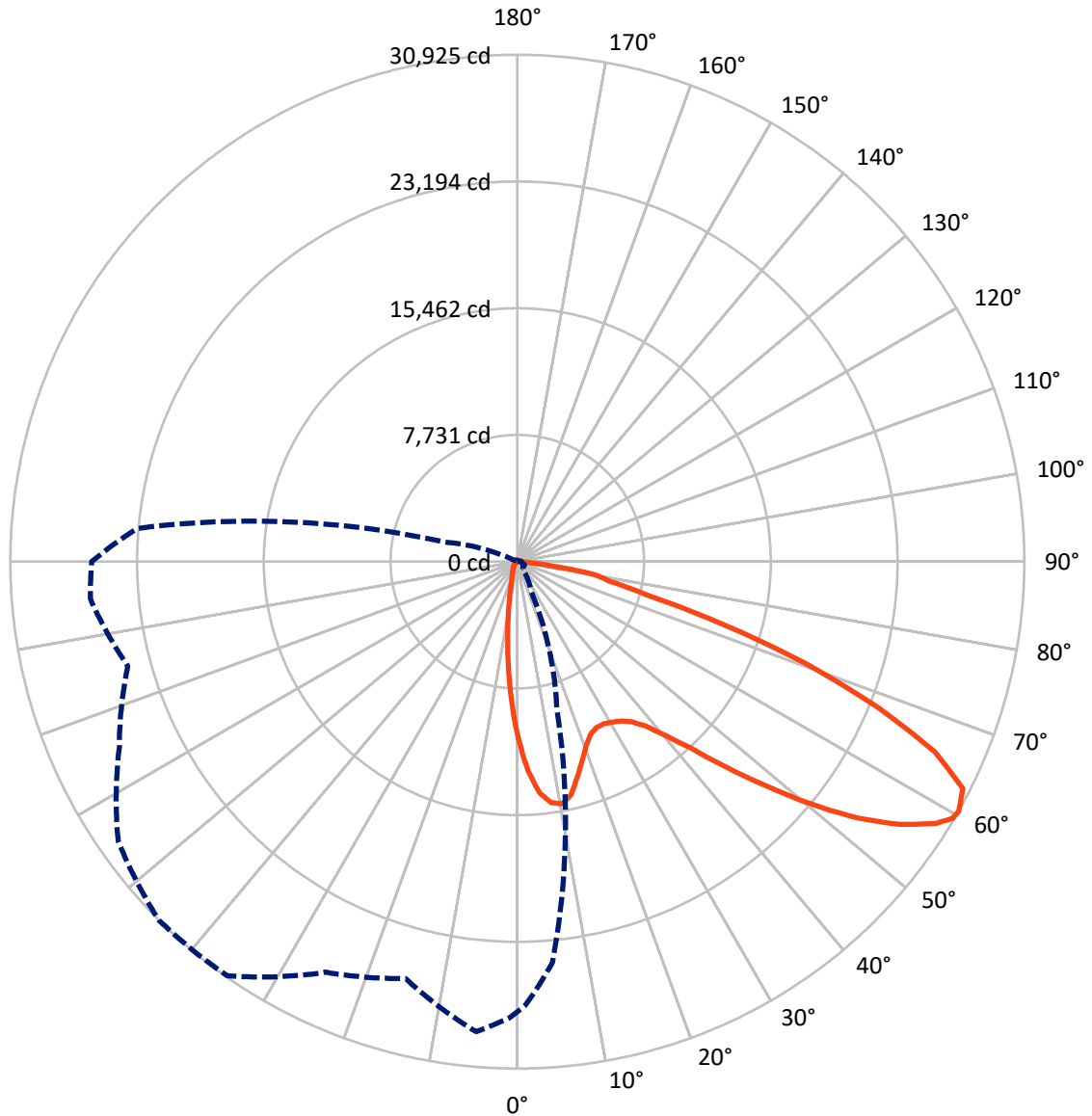
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17.4 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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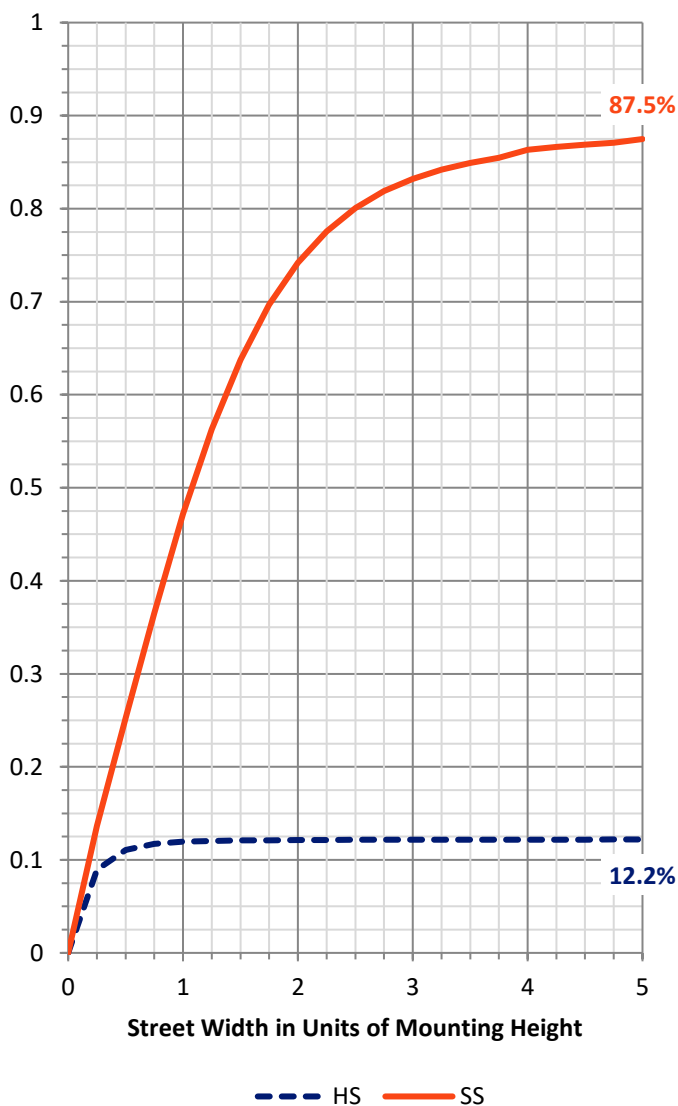
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4063.3	0.0	4063.3
	% Fixture	12.3	0.0	12.3
Street Side	Lumens	28880.7	0.0	28880.7
	% Fixture	87.7	0.0	87.7
Total	Lumens	32944.0	0.0	32944.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	809.9	2.5
10°-20°	1608.4	4.9
20°-30°	2358.3	7.2
30°-40°	3507.2	10.6
40°-50°	5104.1	15.5
50°-60°	7360.5	22.3
60°-70°	8095.7	24.6
70°-80°	3626.2	11.0
80°-90°	473.8	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°	32944.0	100.0
0°-180°	32944.0	100.0

Coefficient of Utilization



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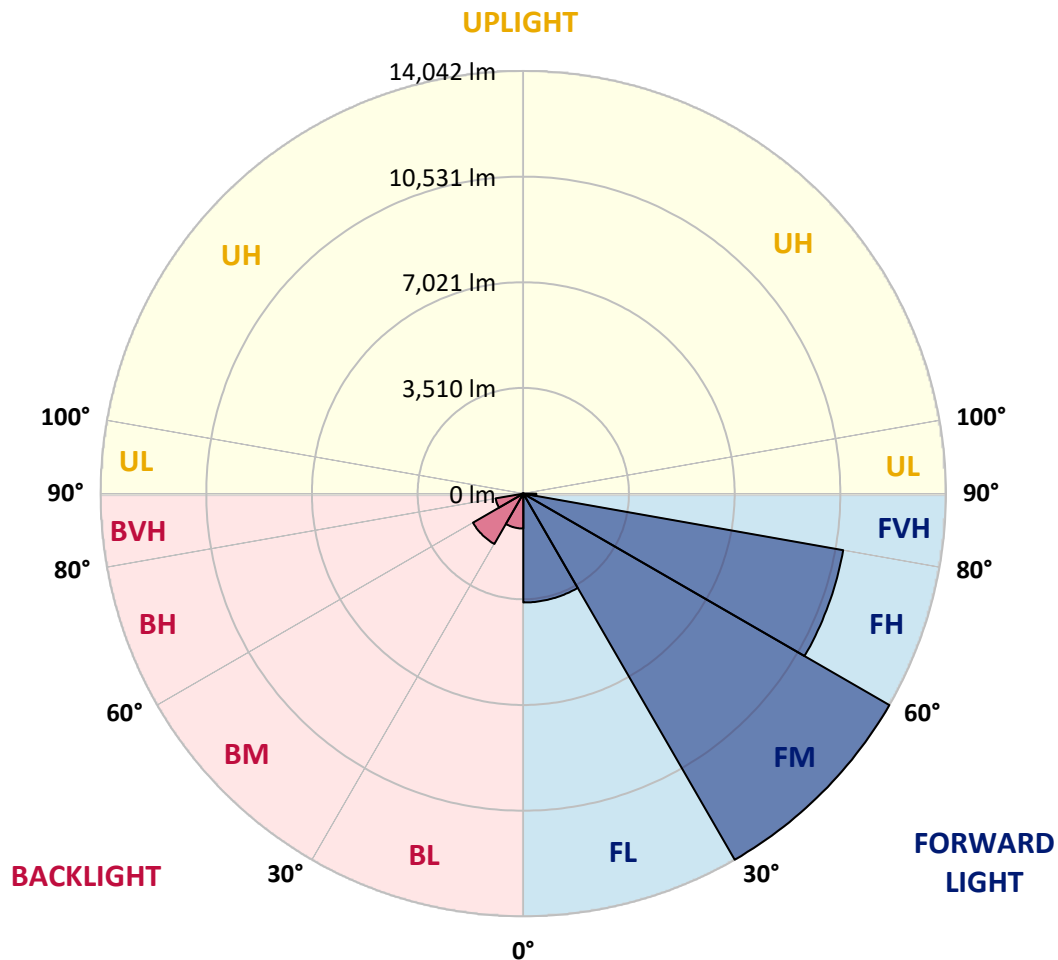
CATALOG NUMBER: GALN-SA6D-760-U-SLR-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3615.5	11.0			
FM	(30°-60°)	14041.7	42.6			
FH	(60°-80°)	10790.1	32.8			G4/12000
FVH	(80°-90°)	433.3	1.3			G3/500
BL	(0°-30°)	1161.0	3.5	B3/2500		
BM	(30°-60°)	1930.0	5.9	B2/2500		
BH	(60°-80°)	931.8	2.8	B2/1000		G2/1000
BVH	(80°-90°)	40.5	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-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	1°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5
2.5°	11970.3	11917.7	11797.5	11431.9	11113.8	10698.1	10277.4	9946.9	9744.0	9370.9	9200.6
5°	11597.2	11622.2	11274.1	10522.8	9686.4	9115.5	8491.9	7996.1	7450.1	7104.5	6741.4
7.5°	10623.0	10572.9	10194.8	9148.0	8131.3	7304.9	6516.0	5875.0	5471.8	5148.7	4878.3
10°	9789.1	9751.5	9268.2	7920.9	6829.1	6210.5	5677.1	5116.2	4682.9	4209.6	3831.5
12.5°	9265.7	9180.6	8624.6	7217.2	6328.2	5752.3	5171.3	4587.8	3989.3	3511.0	3052.7
15°	9090.4	8967.7	8349.2	6974.3	6007.7	5276.4	4547.7	3876.6	3187.9	2659.5	2313.9
17.5°	9408.5	9205.6	8547.0	6931.8	5624.5	4655.4	3758.9	2884.9	2168.7	1765.5	1552.6
20°	10137.2	9904.3	9047.8	6889.2	5198.8	3959.2	2857.3	2038.5	1500.0	1279.7	1162.0
22.5°	11219.0	10898.5	9789.1	6956.8	4805.6	3280.6	2063.5	1439.9	1192.0	1054.3	971.6
25°	12518.7	12250.8	10728.2	7197.2	4495.1	2747.2	1595.2	1177.0	1004.2	919.1	856.5
27.5°	13943.6	13515.4	11942.8	7485.2	4212.1	2334.0	1399.9	1051.8	894.0	816.4	783.8
30°	14957.9	14624.8	12959.5	7685.5	3859.0	2023.4	1279.7	1036.8	896.5	803.9	743.8
32.5°	15959.6	15533.8	13810.9	7778.2	3601.1	1808.1	1106.9	904.0	786.3	738.8	678.7
35°	17031.4	16585.6	14659.9	7728.1	3408.3	1665.3	1004.2	806.4	673.6	593.5	533.4
37.5°	18115.7	17644.9	15503.8	7547.8	3288.1	1607.7	924.1	766.3	636.1	553.4	488.3
40°	19402.9	18774.3	16295.1	7400.0	3162.9	1577.7	871.5	741.3	608.5	520.9	455.8
42.5°	20454.7	19856.2	17043.9	7322.4	3077.7	1507.6	871.5	721.2	591.0	493.3	425.7
45°	21451.4	20830.3	17852.8	7385.0	3042.7	1419.9	881.5	718.7	578.5	473.3	405.7
47.5°	22285.3	21746.9	18684.2	7620.4	2997.6	1324.7	828.9	753.8	571.0	455.8	385.7
50°	23269.5	22748.6	19783.5	8096.2	2917.4	1229.6	763.8	811.4	568.5	440.7	368.1
52.5°	24656.8	24093.4	21301.1	8637.1	2789.7	1084.3	703.7	803.9	558.4	415.7	350.6
55°	26352.2	25896.4	23059.1	9285.7	2614.4	921.6	608.5	713.7	528.4	373.1	320.5
57.5°	27439.0	27050.9	24376.3	9566.2	2346.5	753.8	535.9	598.5	483.3	333.1	285.5
59°	27566.7	27216.1	24651.8	9473.6	2171.2	688.7	500.8	513.4	470.8	310.5	265.5
60°	27459.1	27095.9	24541.6	9293.3	2008.4	643.6	470.8	455.8	473.3	298.0	250.4
62.5°	26767.9	26146.8	23472.3	8379.2	1755.5	591.0	418.2	373.1	418.2	268.0	222.9
65°	25433.1	24501.5	21356.2	7092.0	1655.3	561.0	355.6	313.0	318.0	235.4	192.8
67.5°	23101.7	21927.2	18538.9	5762.3	1612.7	563.5	300.5	280.5	245.4	200.3	170.3
70°	19415.4	18243.4	14875.2	4740.5	1592.7	563.5	255.4	240.4	205.3	167.8	147.8
72.5°	13758.3	12496.2	10034.5	3723.8	1434.9	561.0	217.9	217.9	167.8	140.2	120.2
75°	7773.2	7783.2	6308.2	2634.5	1192.0	463.3	175.3	172.8	122.7	107.7	90.2
77.5°	4530.2	4450.0	4252.2	1131.9	553.4	210.4	122.7	105.2	85.1	77.6	65.1
80°	2328.9	1915.7	1865.7	410.7	197.8	132.7	85.1	60.1	55.1	50.1	45.1
82.5°	688.7	691.2	616.0	165.3	110.2	87.6	42.6	32.6	30.1	27.5	27.5
85°	47.6	30.1	35.1	50.1	67.6	35.1	2.5	7.5	7.5	10.0	12.5
87.5°	5.0	2.5	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°	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5
2.5°	9012.8	9123.0	8917.6	8922.6	8752.3	8807.4	8607.1	8672.2	8554.5	8644.7	8910.1
5°	6781.5	6806.5	6641.3	6588.7	6613.7	6716.4	6756.5	6573.6	6651.3	6498.5	6488.5
7.5°	4778.1	4808.2	4713.0	4700.5	4880.8	4838.2	4915.8	4728.0	4550.2	4627.8	4485.1
10°	3711.3	3586.1	3390.7	3335.7	3300.6	3323.1	3323.1	3152.8	3127.8	3060.2	3162.9
12.5°	2930.0	2777.2	2591.9	2341.5	2278.9	2273.9	2181.2	2030.9	1983.4	1925.8	2010.9
15°	2128.6	2066.0	1910.7	1770.5	1627.8	1600.2	1450.0	1327.3	1164.5	1141.9	1134.4
17.5°	1497.5	1404.9	1402.4	1322.2	1239.6	1184.5	1044.3	904.0	841.4	833.9	833.9
20°	1121.9	1089.3	1036.8	1026.7	1001.7	939.1	813.9	738.8	708.7	711.2	721.2
22.5°	944.1	921.6	874.0	851.4	841.4	786.3	693.7	643.6	628.6	628.6	631.1
25°	843.9	823.9	771.3	736.2	723.7	683.7	611.0	573.5	561.0	561.0	561.0
27.5°	768.8	743.8	688.7	658.6	636.1	591.0	545.9	508.4	495.8	495.8	498.3
30°	716.2	688.7	638.6	598.5	563.5	523.4	485.8	453.3	438.2	435.7	438.2
32.5°	646.1	621.1	571.0	545.9	505.9	458.3	428.2	398.2	383.1	385.7	383.1
35°	503.4	495.8	460.8	468.3	445.8	405.7	378.1	345.6	328.1	325.6	330.6
37.5°	458.3	428.2	388.2	390.7	383.1	368.1	323.0	288.0	275.5	275.5	278.0
40°	423.2	393.2	348.1	325.6	328.1	328.1	280.5	242.9	230.4	227.9	232.9
42.5°	393.2	363.1	313.0	275.5	265.5	278.0	237.9	200.3	187.8	182.8	187.8
45°	373.1	340.6	283.0	240.4	210.4	225.4	195.3	165.3	150.3	150.3	147.8
47.5°	353.1	323.0	260.4	207.9	175.3	167.8	160.3	132.7	117.7	115.2	117.7
50°	335.6	305.5	235.4	180.3	147.8	130.2	130.2	105.2	95.2	90.2	92.7
52.5°	318.0	285.5	212.9	160.3	127.7	105.2	92.7	85.1	77.6	75.1	77.6
55°	293.0	260.4	190.3	137.7	110.2	87.6	72.6	70.1	65.1	60.1	65.1
57.5°	262.9	232.9	167.8	117.7	87.6	67.6	60.1	57.6	52.6	50.1	50.1
59°	245.4	217.9	155.3	102.7	77.6	60.1	55.1	52.6	47.6	42.6	45.1
60°	235.4	212.9	147.8	95.2	70.1	55.1	50.1	47.6	42.6	40.1	42.6
62.5°	207.9	190.3	130.2	77.6	55.1	40.1	35.1	37.6	35.1	32.6	35.1
65°	182.8	167.8	110.2	60.1	42.6	27.5	25.0	32.6	30.1	27.5	30.1
67.5°	162.8	145.2	92.7	45.1	30.1	15.0	17.5	27.5	27.5	25.0	27.5
70°	140.2	125.2	75.1	32.6	15.0	7.5	12.5	20.0	25.0	22.5	25.0
72.5°	115.2	97.7	57.6	22.5	7.5	0.0	7.5	17.5	25.0	22.5	25.0
75°	90.2	72.6	42.6	12.5	0.0	0.0	2.5	15.0	25.0	22.5	25.0
77.5°	65.1	52.6	25.0	2.5	0.0	0.0	2.5	15.0	25.0	22.5	25.0
80°	42.6	37.6	10.0	0.0	0.0	0.0	2.5	15.0	25.0	25.0	27.5
82.5°	27.5	20.0	0.0	0.0	0.0	0.0	5.0	20.0	27.5	30.1	30.1
85°	12.5	0.0	0.0	0.0	0.0	0.0	10.0	25.0	32.6	32.6	32.6
87.5°	0.0	0.0	0.0	0.0	0.0	5.0	17.5	30.1	37.6	37.6	37.6
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°	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5
2.5°	8955.2	9113.0	9335.8	9678.9	9956.9	10395.1	10730.7	11189.0	11652.3	11792.5	12010.4
5°	6591.2	6794.0	7299.9	7760.7	8051.2	8977.7	9563.7	10487.8	11316.7	11714.9	12148.1
7.5°	4577.8	4818.2	5203.8	5847.4	6458.5	7212.2	8158.8	9215.6	10430.2	10998.6	11609.7
10°	3212.9	3513.5	4056.9	4585.3	5354.1	6070.3	7004.4	8171.4	9511.1	10182.3	10948.6
12.5°	2028.4	2296.4	3015.1	3608.6	4567.7	5399.2	6260.6	7317.4	8870.0	9558.7	10362.6
15°	1159.5	1384.8	1720.4	2481.7	3546.0	4645.4	5719.7	6946.8	8542.0	9390.9	10259.9
17.5°	864.0	924.1	1074.3	1505.1	2474.2	3758.9	5221.4	6834.1	8764.9	9761.6	10753.2
20°	726.2	766.3	836.4	1006.7	1577.7	2894.9	4735.5	6854.1	9486.1	10738.2	11679.8
22.5°	651.1	676.1	733.7	843.9	1076.8	2108.6	4167.1	6971.8	10360.1	11937.7	13024.6
25°	571.0	603.5	653.6	748.8	896.5	1462.5	3606.1	7234.8	11584.6	13460.3	14482.1
27.5°	508.4	538.4	588.5	676.1	786.3	1116.9	2952.5	7460.1	12876.8	14992.9	15829.3
30°	445.8	475.8	525.9	596.0	696.2	904.0	2248.8	7592.9	14131.5	16142.4	16786.0
32.5°	393.2	418.2	465.8	528.4	611.0	766.3	1773.0	7455.1	15090.6	17186.6	17617.4
35°	340.6	370.6	410.7	468.3	540.9	653.6	1475.0	6979.3	15914.5	18261.0	18416.2
37.5°	285.5	320.5	363.1	415.7	473.3	601.0	1184.5	6453.4	16796.0	19600.7	19345.3
40°	240.4	273.0	313.0	370.6	423.2	550.9	911.5	5892.5	17747.6	20857.9	20359.5
42.5°	195.3	230.4	278.0	330.6	418.2	480.8	706.2	5311.5	18601.5	21952.2	21276.1
45°	155.3	185.3	235.4	303.0	415.7	413.2	545.9	4738.0	19245.1	22733.5	21959.7
47.5°	122.7	147.8	197.8	295.5	383.1	350.6	438.2	4382.4	19921.3	23437.2	22483.1
50°	97.7	122.7	170.3	308.0	335.6	300.5	368.1	4440.0	20574.9	23795.3	22698.5
52.5°	82.6	107.7	147.8	242.9	257.9	262.9	323.0	4705.5	21418.8	24178.5	23126.7
55°	72.6	95.2	125.2	170.3	200.3	235.4	295.5	4898.3	22548.2	24999.9	24070.8
57.5°	57.6	82.6	112.7	145.2	165.3	205.3	273.0	4913.3	23570.0	26054.2	25325.4
59°	52.6	75.1	105.2	137.7	147.8	185.3	257.9	4785.6	23607.5	26211.9	25901.4
60°	47.6	72.6	100.2	127.7	140.2	175.3	245.4	4637.9	23267.0	25961.5	26139.3
62.5°	40.1	62.6	87.6	102.7	120.2	145.2	212.9	4102.0	21616.7	24827.1	25698.6
65°	35.1	55.1	75.1	85.1	100.2	125.2	187.8	3283.1	19793.6	23289.5	24436.4
67.5°	32.6	50.1	65.1	72.6	87.6	115.2	167.8	2318.9	17432.1	21338.7	22540.7
70°	30.1	47.6	57.6	67.6	77.6	97.7	142.7	1352.3	13427.8	17917.9	19187.5
72.5°	30.1	45.1	50.1	57.6	67.6	87.6	132.7	731.2	9180.6	13668.2	15308.5
75°	30.1	42.6	45.1	50.1	60.1	80.1	117.7	383.1	5935.1	9496.1	11719.9
77.5°	30.1	40.1	45.1	47.6	57.6	70.1	102.7	240.4	3954.2	6651.3	7920.9
80°	32.6	40.1	42.6	47.6	55.1	65.1	85.1	160.3	2323.9	4001.8	4820.7
82.5°	35.1	40.1	45.1	50.1	57.6	62.6	75.1	100.2	1071.8	2647.0	2995.1
85°	37.6	42.6	47.6	52.6	60.1	62.6	70.1	72.6	175.3	1194.5	1615.2
87.5°	40.1	45.1	50.1	55.1	65.1	65.1	65.1	65.1	60.1	127.7	325.6
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: P455656

CATALOG NUMBER: GALN-SA6D-760-U-SLR-HSS

CANDELA DISTRIBUTION (continued):

	285°	295°	305°	315°	325°	335°	345°	355°	359°	360°
0°	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5	10888.5
2.5°	12285.8	12568.8	12766.6	12816.7	12674.0	12608.9	12428.6	12148.1	11977.8	11970.3
5°	12947.0	13610.6	14071.4	14149.0	13873.5	13407.7	12854.3	12140.6	11722.4	11597.2
7.5°	12834.3	13996.2	14737.5	14845.2	14381.9	13492.9	12421.1	11271.6	10815.8	10623.0
10°	12371.0	13788.4	14847.7	15018.0	14399.4	13147.3	11785.0	10502.8	9936.8	9789.1
12.5°	11975.3	13407.7	14349.3	14584.7	14116.4	12866.8	11404.3	10009.5	9403.4	9265.7
15°	11802.5	12957.0	13532.9	13653.2	13575.5	12691.5	11364.3	9934.3	9240.7	9090.4
17.5°	11975.3	12573.8	12646.4	12769.2	12941.9	12674.0	11749.9	10342.5	9593.8	9408.5
20°	12428.6	12240.8	11940.2	11992.8	12388.5	12746.6	12436.1	11246.6	10335.0	10137.2
22.5°	13199.9	12158.1	11477.0	11431.9	11932.7	12989.5	13442.8	12471.1	11414.4	11219.0
25°	14146.5	12366.0	11306.7	11209.0	11754.9	13345.1	14537.1	13971.2	12816.7	12518.7
27.5°	15178.2	12796.7	11306.7	11211.5	11739.9	13660.7	15473.7	15298.4	14269.2	13943.6
30°	15744.2	13152.3	11469.4	11361.8	11925.2	13843.5	15974.6	16477.9	15361.0	14957.9
32.5°	16250.1	13645.6	11787.5	11584.6	12313.4	14113.9	16422.8	17479.6	16230.0	15959.6
35°	16715.8	14174.0	12225.7	11990.3	12824.2	14484.6	16918.7	18531.4	17439.6	17031.4
37.5°	17229.2	14787.6	12909.4	12709.0	13678.2	15205.8	17507.2	19913.8	18629.1	18115.7
40°	17787.7	15498.8	14033.8	13948.7	15035.5	16022.2	18250.9	21388.8	19986.4	19402.9
42.5°	18356.1	16317.7	15411.1	15551.4	16573.1	17166.6	19014.7	22523.2	21098.3	20454.7
45°	18872.0	17364.4	17201.7	17895.3	18366.1	18283.5	19580.7	23322.0	22067.4	21451.4
47.5°	19523.1	18889.5	19367.8	20437.2	20449.7	19498.1	20008.9	23975.7	22901.3	22285.3
50°	20251.8	20690.1	22165.1	23254.4	22961.4	20692.6	20509.8	24749.5	23762.8	23269.5
52.5°	21095.8	22706.0	24749.5	25959.0	25275.4	21994.8	21343.7	25585.9	25130.1	24656.8
55°	22077.4	24080.8	27326.3	28290.5	27601.8	23612.5	22610.8	26720.3	26675.2	26352.2
57.5°	23186.8	25533.3	28818.9	30123.6	29510.0	25510.8	24381.3	27789.6	27619.3	27439.0
59°	24063.3	26279.6	29477.5	30829.8	30459.1	26840.5	25570.9	28455.8	27837.2	27566.7
60°	24594.2	26785.4	29720.4	30924.9	30839.8	27631.9	26324.6	28781.3	27834.7	27459.1
62.5°	26169.4	27669.4	29627.7	30501.7	30834.8	29149.4	28535.9	29139.4	27318.8	26767.9
65°	26730.3	27376.4	28092.6	27985.0	28270.4	29071.8	29948.3	28746.2	26217.0	25433.1
67.5°	25638.5	24163.5	24416.4	23697.7	23557.4	25846.3	29374.8	26823.0	24060.8	23101.7
70°	21611.6	18511.4	18383.7	18714.2	17807.7	20925.5	26377.2	23119.2	20502.3	19415.4
72.5°	17011.3	13082.2	12005.4	13222.4	13194.9	15964.6	21912.2	16405.3	13851.0	13758.3
75°	13377.7	9107.9	7993.6	8191.4	8572.0	11557.1	17452.1	10417.7	8529.5	7773.2
77.5°	8980.2	6453.4	6020.2	5777.3	6188.0	7420.1	11041.2	5649.6	4783.1	4530.2
80°	5176.3	4687.9	5324.0	4833.2	5053.6	4675.4	5491.8	2591.9	2151.1	2328.9
82.5°	3368.2	2669.5	2844.8	2113.6	2889.9	2914.9	1763.0	766.3	648.6	688.7
85°	2106.1	1252.1	703.7	500.8	996.7	1833.1	550.9	47.6	55.1	47.6
87.5°	545.9	207.9	87.6	130.2	160.3	142.7	127.7	7.5	2.5	5.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)