

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: P533083

Luminaire Tested: **GALN-SA8C-730-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533083
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8C-730-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31029 lumens
Efficiency: N/A
Efficacy: 72.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

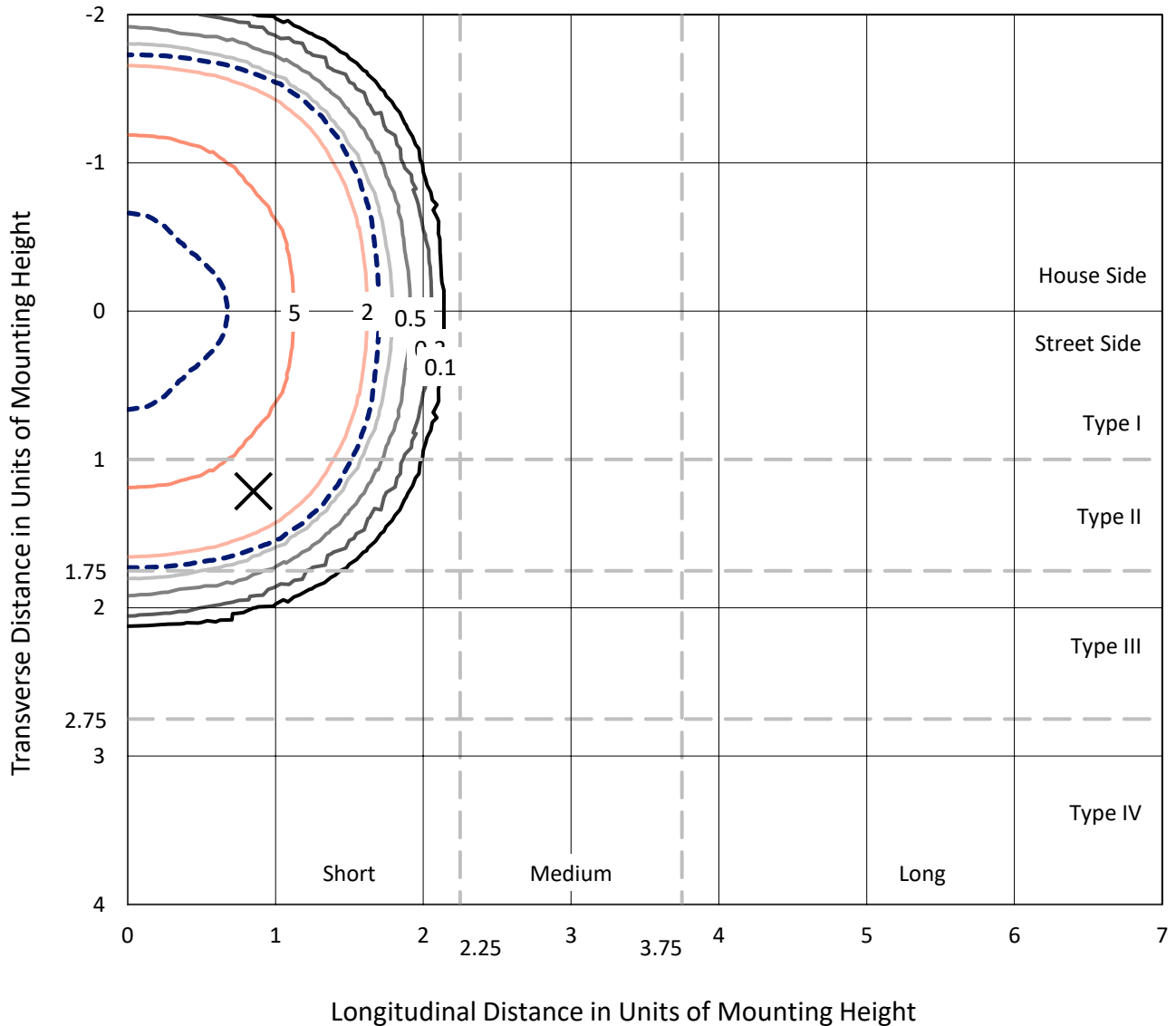
Input Watts (W): 429
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P533083
 CATALOG NUMBER: GALN-SA8C-730-U-5MQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

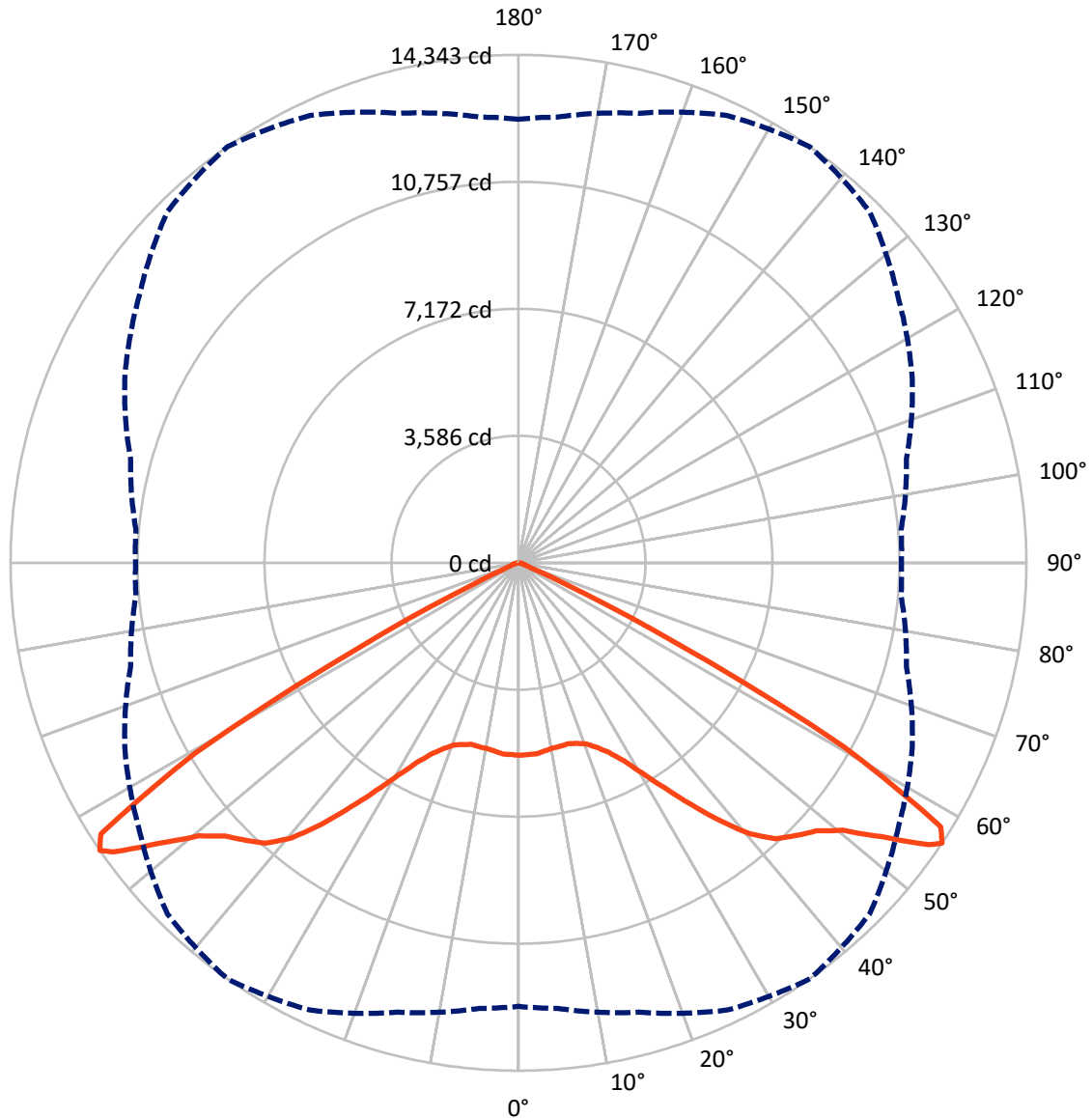
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.7 fc
 Type V - Short - N/A

REPORT NUMBER: P533083
CATALOG NUMBER: GALN-SA8C-730-U-5MQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

REPORT NUMBER: P533083
 CATALOG NUMBER: GALN-SA8C-730-U-5MQ-GRSBK

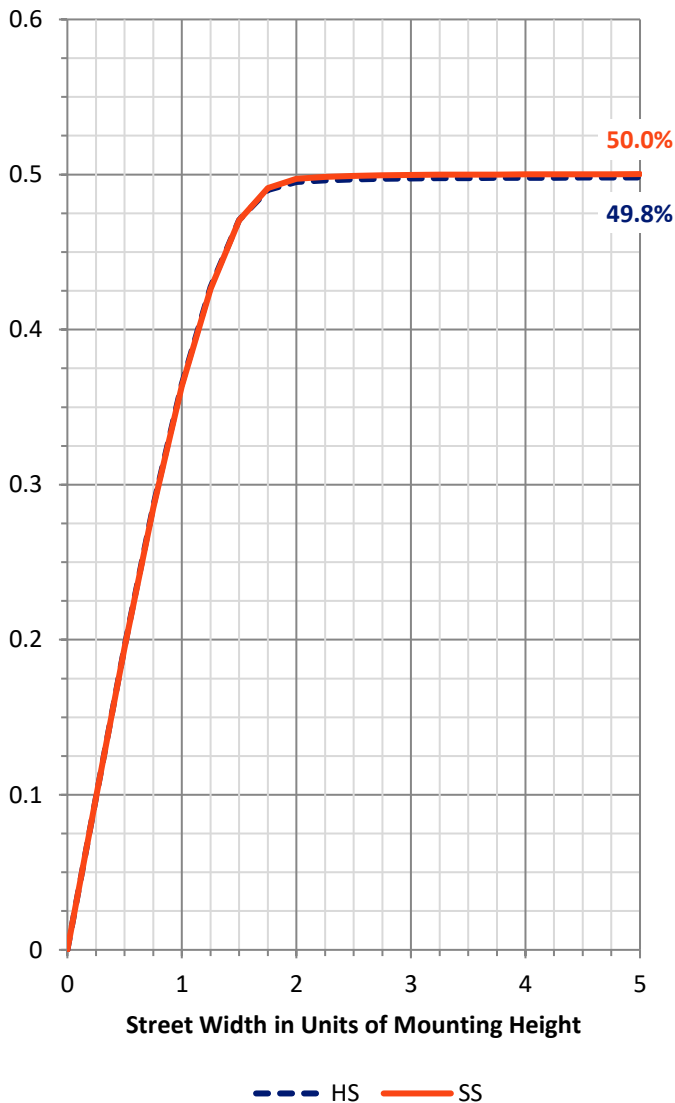
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15514.5	0.0	15514.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15514.5	0.0	15514.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	31029.0	0.0	31029.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	511.0	1.6
10°-20°	1491.8	4.8
20°-30°	2701.5	8.7
30°-40°	5009.6	16.1
40°-50°	8222.9	26.5
50°-60°	10593.5	34.1
60°-70°	2334.7	7.5
70°-80°	135.5	0.4
80°-90°	28.5	0.1
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°	31029.0	100.0
0°-180°	31029.0	100.0

Coefficient of Utilization

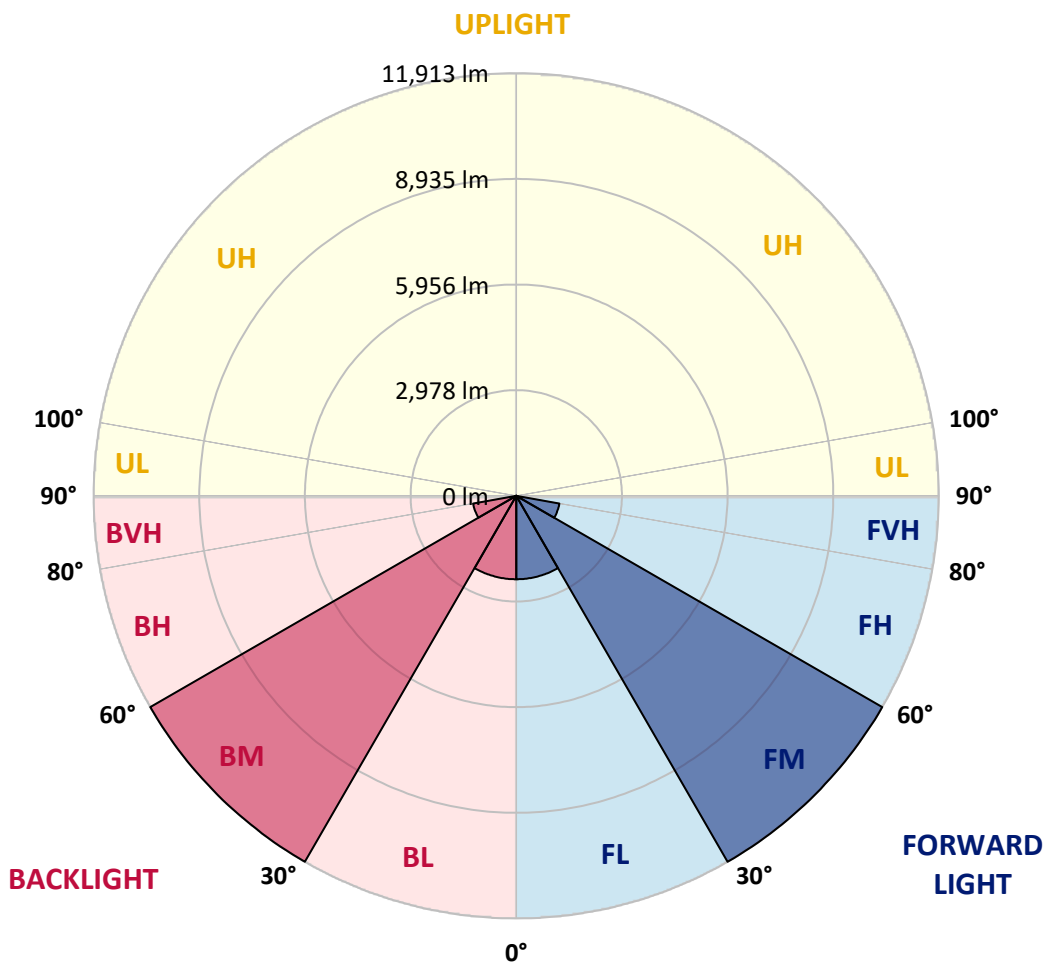


REPORT NUMBER: P533083
 CATALOG NUMBER: GALN-SA8C-730-U-5MQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2352.2	7.6			
FM (30°-60°)	11913.0	38.4			
FH (60°-80°)	1235.1	4.0			G1/1800
FVH (80°-90°)	14.3	0.0			G1/100
BL (0°-30°)	2352.2	7.6	B3/2500		
BM (30°-60°)	11913.0	38.4	B5		
BH (60°-80°)	1235.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	14.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1
 Type V Short





REPORT NUMBER: P533083

CATALOG NUMBER: GALN-SA8C-730-U-5MQ-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9	5436.9
2.5°	5448.2	5448.2	5453.8	5459.4	5420.1	5403.2	5408.8	5397.6	5392.0	5408.8	5408.8
5°	5431.3	5431.3	5414.5	5420.1	5420.1	5369.5	5369.5	5380.7	5380.7	5347.0	5335.7
7.5°	5386.3	5375.1	5352.6	5380.7	5363.9	5363.9	5324.5	5296.4	5285.1	5307.6	5285.1
10°	5290.8	5296.4	5318.9	5330.1	5318.9	5352.6	5285.1	5245.8	5206.4	5189.6	5189.6
12.5°	5245.8	5279.5	5245.8	5273.9	5313.3	5285.1	5245.8	5217.7	5161.4	5139.0	5139.0
15°	5240.2	5262.7	5273.9	5313.3	5296.4	5307.6	5228.9	5195.2	5110.8	5071.5	5054.6
17.5°	5234.5	5262.7	5279.5	5352.6	5363.9	5369.5	5307.6	5206.4	5133.3	5094.0	5054.6
20°	5296.4	5307.6	5341.4	5414.5	5459.4	5538.2	5425.7	5318.9	5161.4	5116.5	5099.6
22.5°	5375.1	5431.3	5465.1	5543.8	5661.8	5729.3	5583.1	5448.2	5285.1	5228.9	5161.4
25°	5628.1	5616.9	5673.1	5836.1	5931.7	5982.3	5864.3	5667.5	5453.8	5386.3	5397.6
27.5°	5943.0	5954.2	6004.8	6184.7	6325.3	6404.0	6263.5	6004.8	5796.8	5684.3	5673.1
30°	6353.4	6342.2	6398.4	6640.2	6893.2	7011.2	6763.9	6460.2	6257.8	6111.6	6145.4
32.5°	6786.3	6792.0	6949.4	7168.7	7579.1	7809.6	7410.4	7039.4	6735.7	6634.5	6583.9
35°	7427.3	7455.4	7579.1	7916.5	8371.9	8669.9	8231.3	7787.1	7438.6	7253.0	7275.5
37.5°	8220.1	8192.0	8400.0	8765.5	9243.4	9462.7	9091.6	8585.5	8231.3	8107.6	8186.3
40°	9063.5	9091.6	9198.4	9530.1	10064.3	10210.4	9659.4	9383.9	9074.7	9012.9	9108.4
42.5°	9906.8	9890.0	9968.7	10266.7	10654.6	10553.4	10227.3	10064.3	9845.0	9721.3	9850.6
45°	10525.3	10497.2	10643.4	10845.8	10986.3	10795.2	10649.0	10592.8	10480.3	10345.4	10463.5
47.5°	11126.9	11104.4	11245.0	11301.2	11312.5	11059.4	11087.6	11188.8	10907.6	10626.5	10761.4
50°	11638.6	11599.2	11773.5	11897.2	11869.1	11464.3	11565.5	11464.3	11025.7	10694.0	10643.4
52.5°	12493.2	12510.0	12695.6	12920.5	12853.0	12515.7	12369.5	11908.4	11346.2	11048.2	10873.9
55°	13032.9	12948.6	13269.1	13983.1	14061.8	13713.3	13066.7	12386.3	11543.0	11177.5	11132.5
56°	12526.9	12633.7	13139.8	13938.2	14343.0	14022.5	13083.5	12268.3	11340.6	10845.8	10812.0
57.5°	11239.4	11183.1	11869.1	12959.8	14061.8	13926.9	12622.5	11424.9	10345.4	9788.8	9721.3
60°	6994.4	7157.4	7759.0	9108.4	10581.5	10649.0	9355.8	8326.9	7067.5	6572.7	6690.8
62.5°	2738.2	2597.6	2974.3	3980.7	4992.8	5217.7	4728.5	3930.1	3227.3	2738.2	2704.4
65°	635.3	618.5	697.2	961.4	1343.8	1557.4	1478.7	1062.7	781.5	742.2	685.9
67.5°	359.8	359.8	343.0	343.0	376.7	399.2	382.3	376.7	393.6	410.4	404.8
70°	253.0	247.4	236.1	241.8	230.5	230.5	247.4	275.5	298.0	298.0	303.6
72.5°	151.8	151.8	151.8	168.7	168.7	168.7	185.5	208.0	213.7	208.0	202.4
75°	67.5	67.5	78.7	95.6	106.8	112.4	129.3	140.6	151.8	140.6	129.3
77.5°	16.9	16.9	28.1	39.4	50.6	61.8	84.3	101.2	106.8	101.2	84.3
80°	5.6	5.6	11.2	28.1	50.6	61.8	84.3	90.0	95.6	84.3	67.5
82.5°	5.6	5.6	11.2	28.1	39.4	50.6	67.5	78.7	84.3	73.1	67.5
85°	0.0	5.6	11.2	22.5	33.7	45.0	45.0	33.7	28.1	16.9	22.5
87.5°	0.0	0.0	5.6	5.6	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

(END OF REPORT)