

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: P532078

Luminaire Tested: **GALN-SA7B-830-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532078
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7B-830-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27597 lumens
Efficiency: N/A
Efficacy: 96.5 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): 286
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

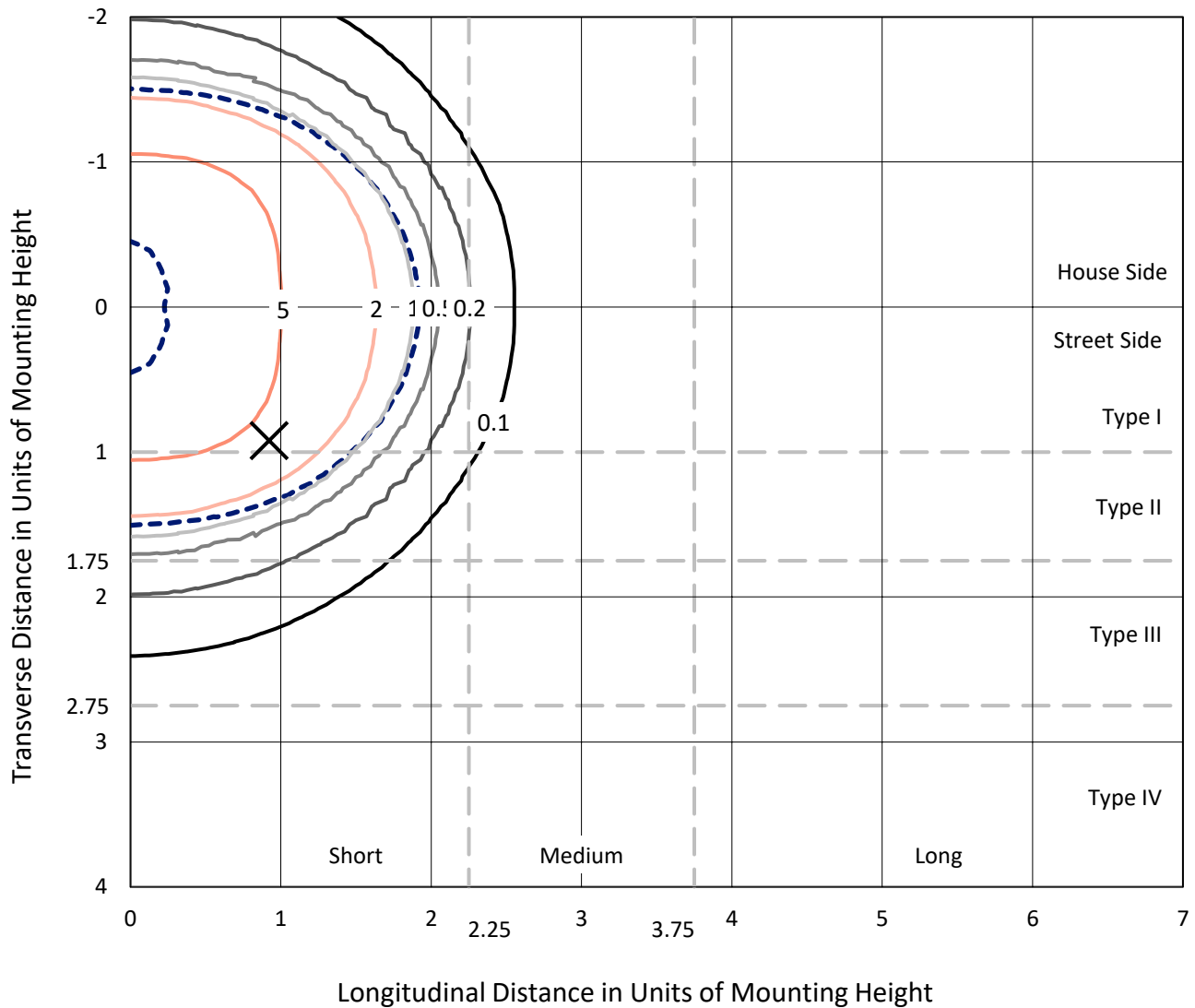


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Iso-Footcandle Lines of Horizontal Illumination

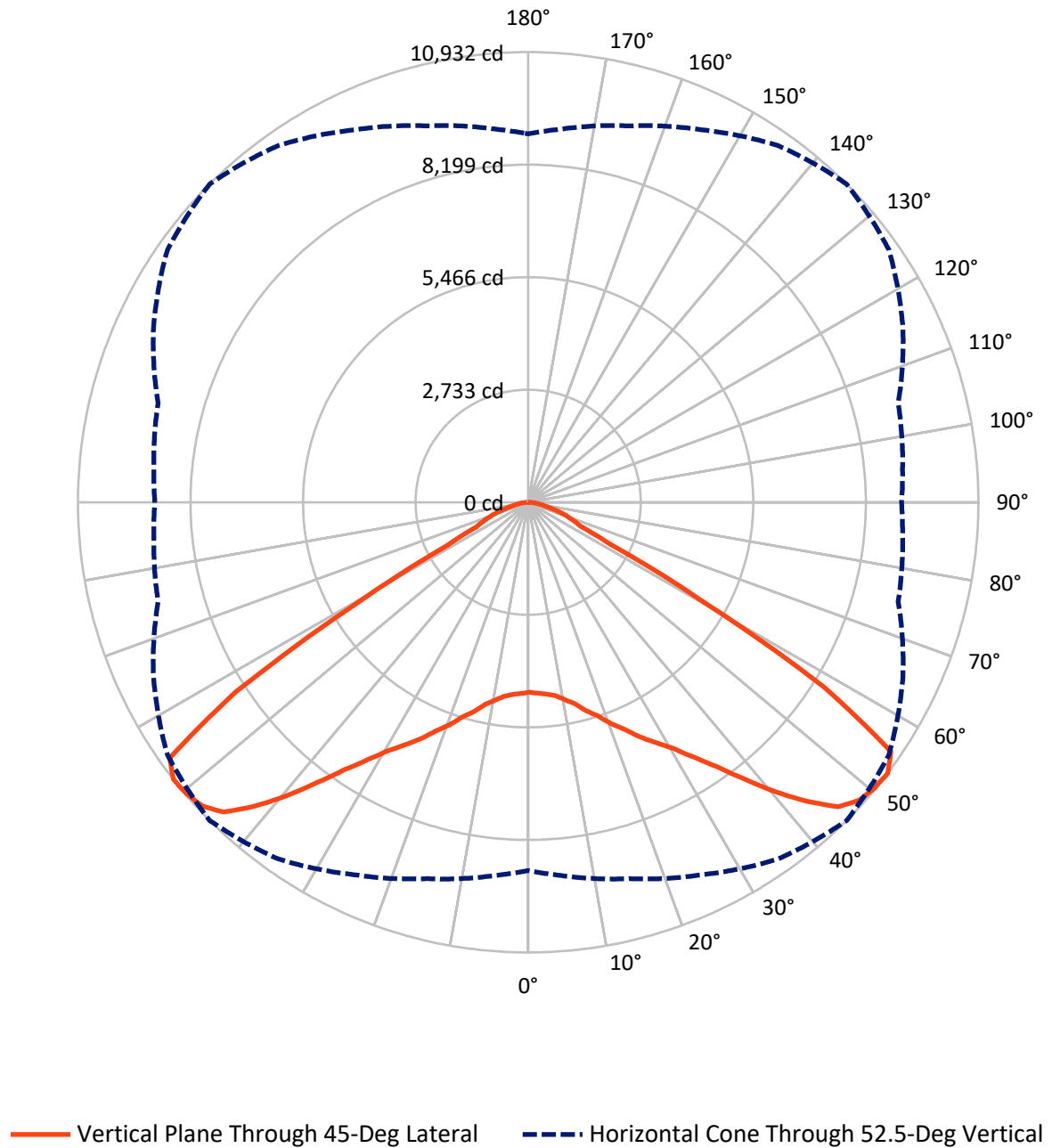
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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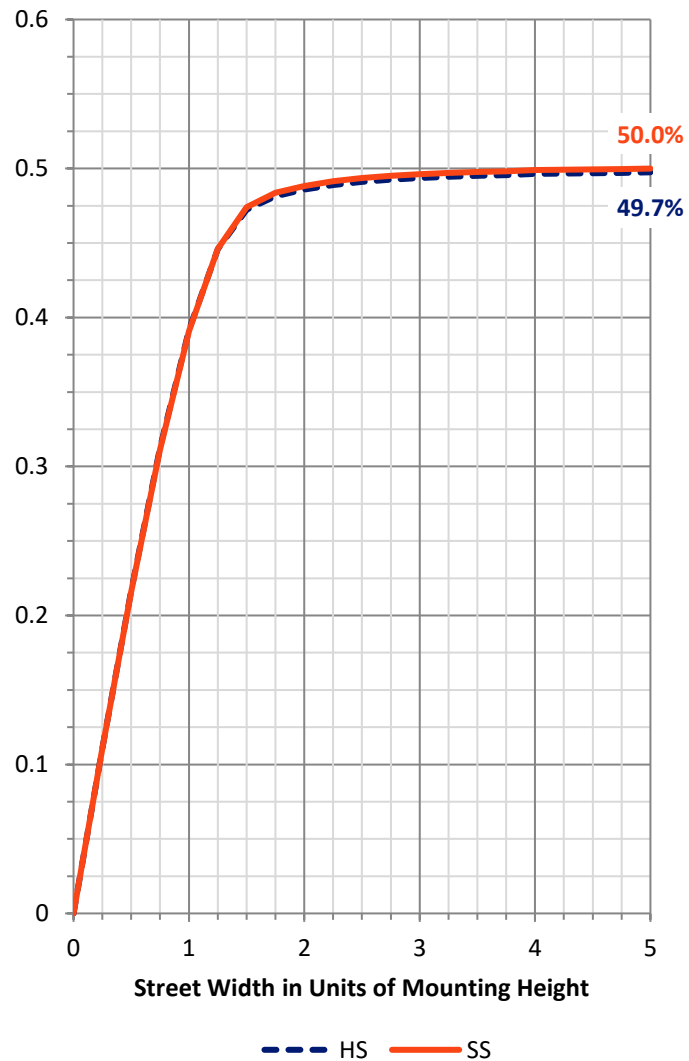
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13798.5	0.0	13798.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13798.5	0.0	13798.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	27597.0	0.0	27597.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	453.2	1.6
10°-20°	1489.3	5.4
20°-30°	2835.4	10.3
30°-40°	4868.6	17.6
40°-50°	7483.2	27.1
50°-60°	7599.0	27.5
60°-70°	2117.7	7.7
70°-80°	624.7	2.3
80°-90°	125.8	0.5
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°	27597.0	100.0
0°-180°	27597.0	100.0

Coefficient of Utilization



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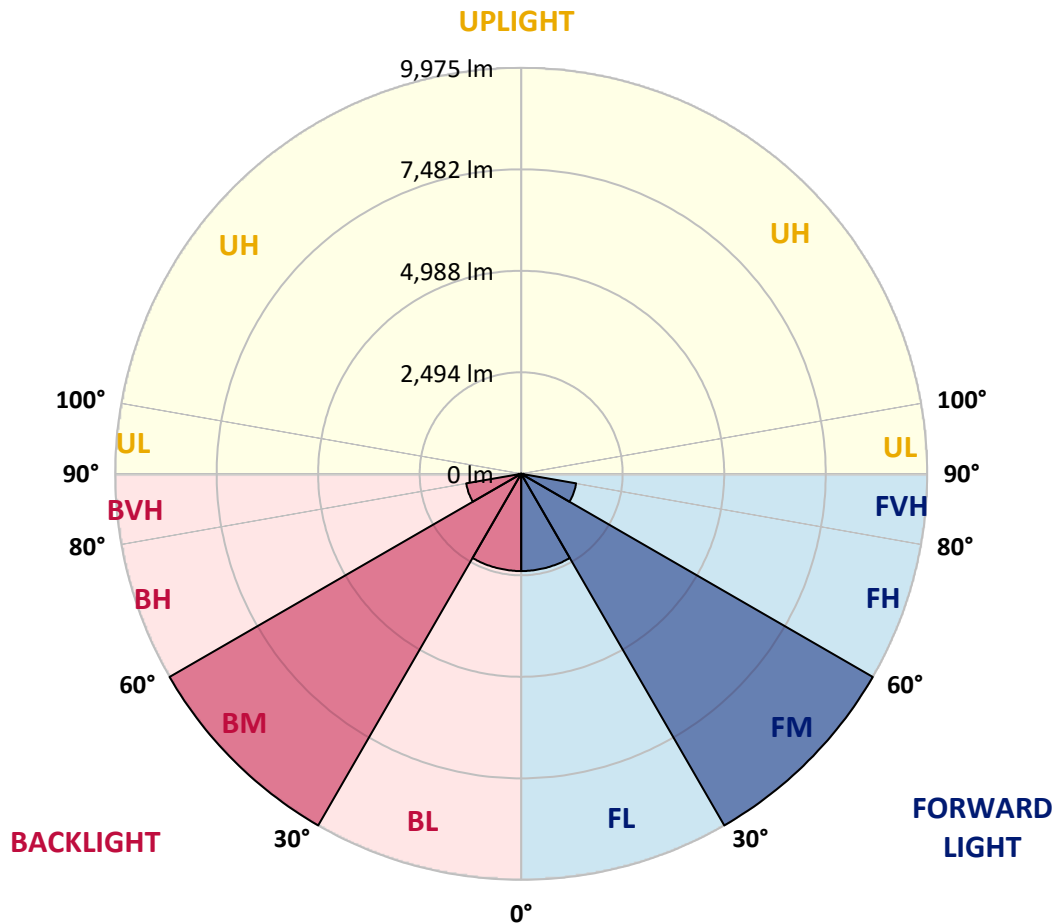
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2389.0	8.7			
FM	(30°-60°)	9975.4	36.1			
FH	(60°-80°)	1371.2	5.0			G1/1800
FVH	(80°-90°)	62.9	0.2			G1/100
BL	(0°-30°)	2389.0	8.7	B3/2500		
BM	(30°-60°)	9975.4	36.1	B5		
BH	(60°-80°)	1371.2	5.0	B3/2500		G1/1800
BVH	(80°-90°)	62.9	0.2			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



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2	4613.2
2.5°	4623.5	4575.5	4592.7	4602.9	4647.5	4644.0	4633.8	4647.5	4661.1	4664.6	4657.7
5°	4620.1	4585.8	4599.5	4609.8	4654.3	4678.3	4671.4	4729.6	4770.7	4760.5	4811.8
7.5°	4592.7	4613.2	4596.1	4647.5	4685.1	4743.3	4805.0	4859.8	4911.2	4969.4	4979.7
10°	4654.3	4654.3	4685.1	4726.2	4825.5	4870.1	4959.1	5037.9	5137.2	5205.7	5178.3
12.5°	4719.4	4729.6	4729.6	4835.8	4918.0	5017.3	5099.5	5205.7	5346.1	5428.3	5469.4
15°	4784.4	4791.3	4825.5	4969.4	5092.7	5250.2	5325.6	5421.5	5500.2	5654.3	5657.8
17.5°	4842.7	4880.3	4983.1	5144.0	5298.2	5448.9	5568.7	5668.0	5736.5	5798.2	5784.5
20°	5061.9	5089.2	5195.4	5356.4	5585.8	5733.1	5774.2	5791.3	5835.9	5959.1	5921.5
22.5°	5274.2	5284.5	5383.8	5630.4	5791.3	5986.5	6031.1	6020.8	6037.9	6068.7	6123.5
25°	5493.4	5510.5	5647.5	5856.4	6082.4	6315.3	6353.0	6274.2	6250.3	6284.5	6287.9
27.5°	5774.2	5777.6	5952.3	6133.8	6390.7	6609.9	6668.1	6606.4	6493.4	6520.8	6565.3
30°	6130.4	6106.4	6281.1	6541.4	6811.9	6935.2	7034.5	7003.7	6880.4	6856.4	6818.8
32.5°	6541.4	6548.2	6705.8	6990.0	7168.1	7373.6	7479.8	7428.4	7349.6	7308.5	7332.5
35°	7120.2	7151.0	7257.1	7493.5	7781.1	7883.9	8051.7	7942.1	7736.6	7788.0	7832.5
37.5°	7596.2	7685.2	7883.9	8164.7	8336.0	8524.3	8586.0	8438.7	8288.0	8226.4	8373.6
40°	8325.7	8298.3	8517.5	8798.3	9051.7	9240.1	9161.3	9014.1	8640.8	8644.2	8685.3
42.5°	8952.4	8966.1	9133.9	9469.6	9815.5	9931.9	9681.9	9322.3	8907.9	8863.4	8952.4
45°	9479.8	9534.6	9630.5	10079.2	10418.2	10545.0	10082.6	9657.9	9103.1	8918.2	9065.4
47.5°	9668.2	9757.2	9966.2	10377.1	10712.8	10815.5	10445.6	9836.0	9284.6	8983.2	9062.0
50°	9695.6	9664.8	10007.3	10384.0	10678.5	10901.1	10575.8	9966.2	9240.1	9082.6	9058.6
52.5°	8945.6	9096.3	9462.7	9979.9	10575.8	10932.0	10692.2	10038.1	9301.7	9123.7	9065.4
55°	7240.0	7061.9	7729.8	8599.7	9695.6	10685.4	10651.1	10075.8	9339.4	9192.2	9113.4
57.5°	4041.3	4092.6	4469.4	5414.6	6829.0	8472.9	9469.6	9678.5	9322.3	9236.7	9277.8
60°	1869.9	1887.1	2048.0	2489.8	3366.6	4805.0	6116.7	7448.9	8062.0	8185.3	8185.3
62.5°	1393.9	1387.0	1428.1	1506.9	1691.8	2209.0	2948.8	4007.0	4849.5	5438.6	5592.7
65°	1260.3	1256.9	1277.4	1304.8	1318.5	1390.5	1554.9	1880.2	2154.2	2311.7	2284.3
67.5°	1102.8	1099.4	1106.2	1123.3	1147.3	1185.0	1226.1	1294.6	1390.5	1383.6	1366.5
70°	890.4	890.4	900.7	914.4	941.8	986.3	1034.3	1082.2	1164.4	1181.6	1178.1
72.5°	657.6	647.3	667.8	695.2	722.6	777.4	828.8	873.3	931.5	948.7	941.8
75°	417.8	424.7	438.4	469.2	517.1	554.8	609.6	647.3	685.0	698.7	702.1
77.5°	232.9	239.7	263.7	301.4	349.3	390.4	438.4	469.2	493.2	496.6	500.0
80°	140.4	143.8	167.8	202.1	243.2	287.7	325.4	356.2	376.7	366.5	363.0
82.5°	85.6	89.0	109.6	140.4	174.7	208.9	250.0	277.4	298.0	284.3	270.6
85°	44.5	47.9	65.1	85.6	113.0	130.1	130.1	116.4	113.0	106.2	102.7
87.5°	13.7	13.7	17.1	20.5	17.1	20.5	24.0	27.4	27.4	30.8	27.4
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)