

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: P532311

Luminaire Tested: **GALN-SA7C-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532311
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25147 lumens
Efficiency: N/A
Efficacy: 66.7 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): 377
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



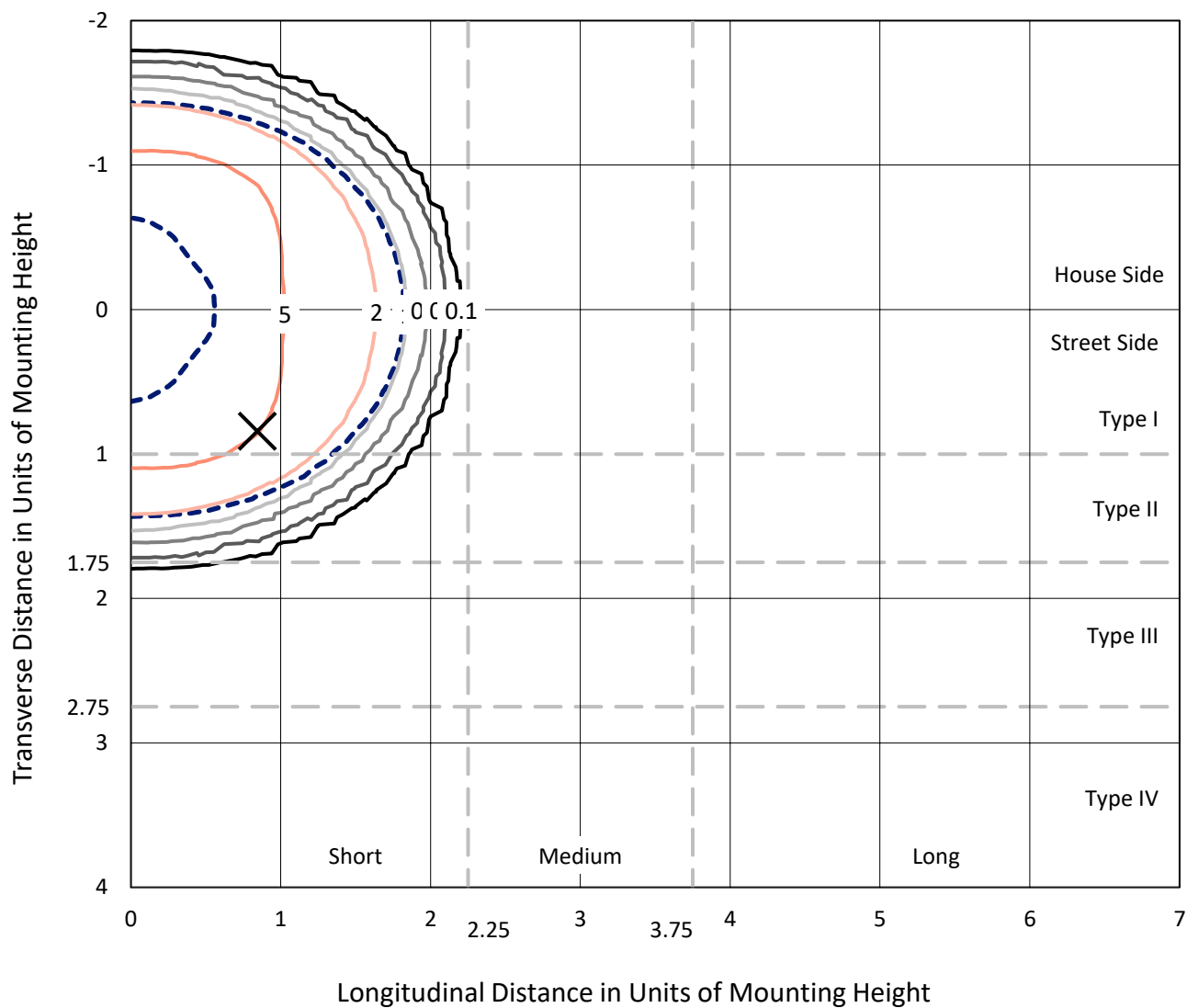
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

--- 1/2 Max cd

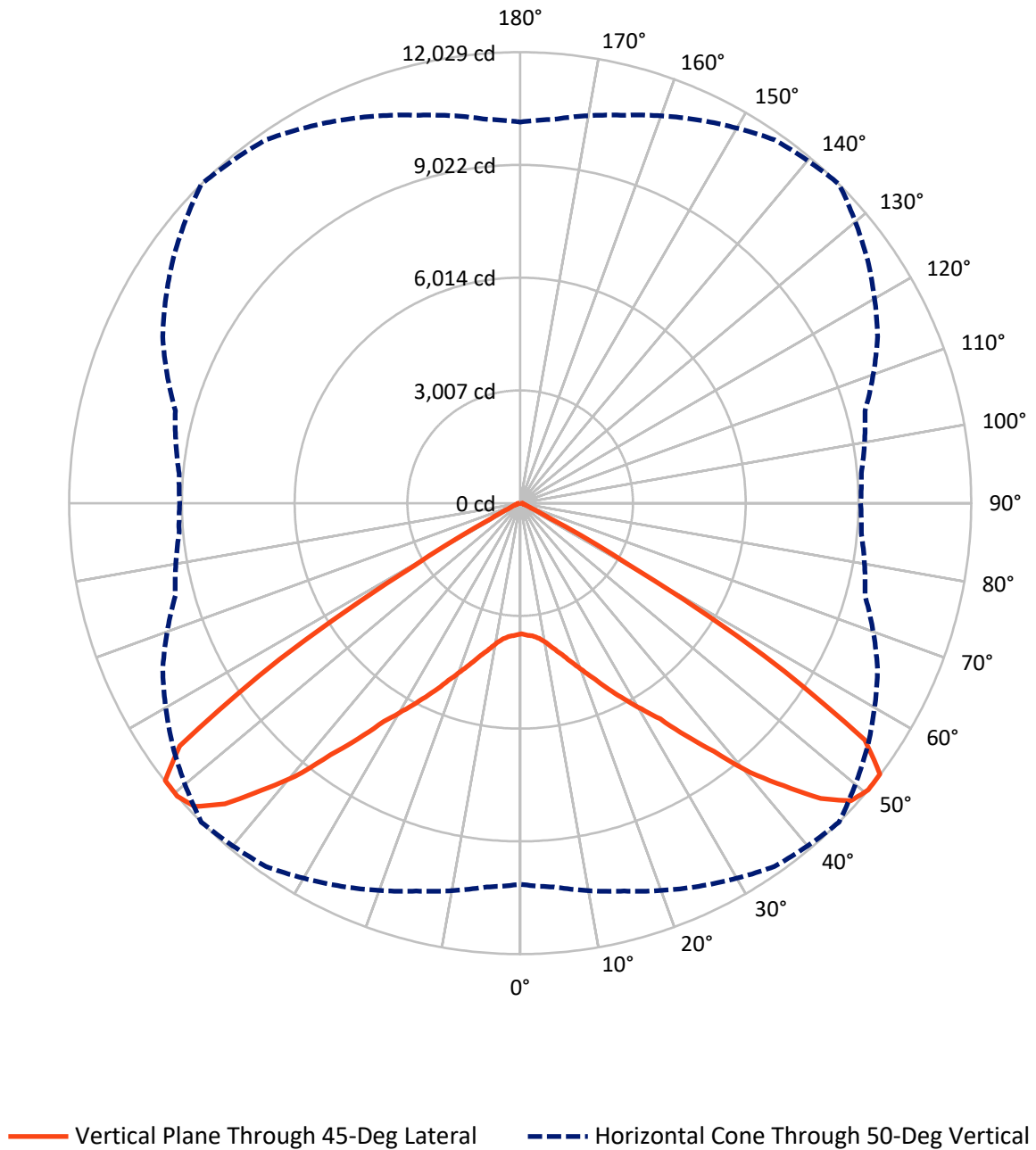


Based on 25 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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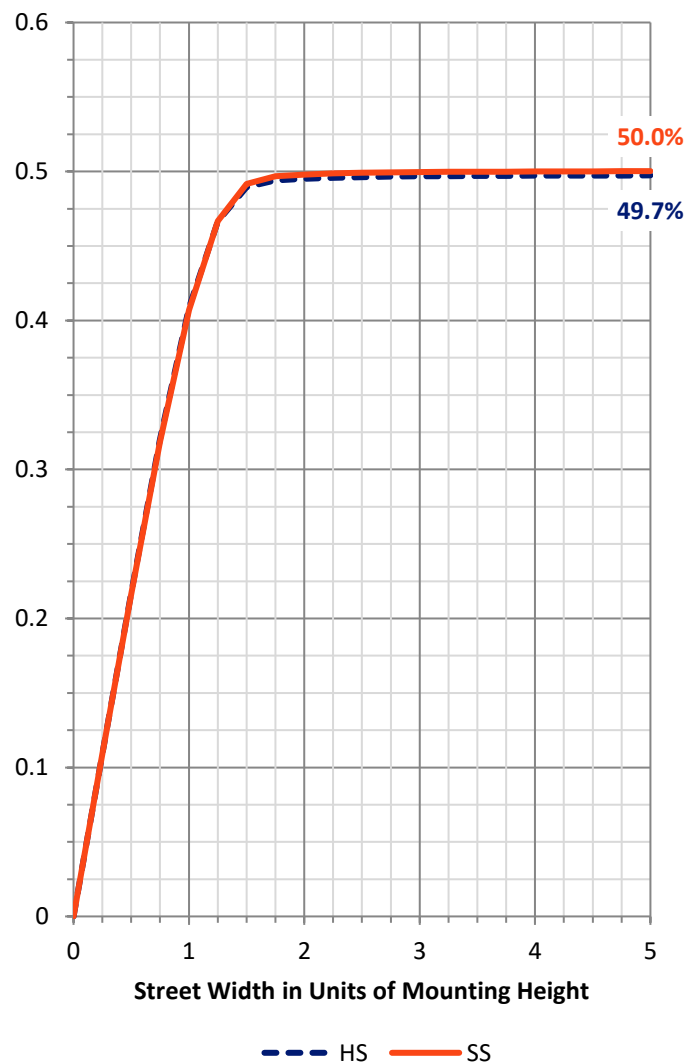
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12573.5	0.0	12573.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12573.5	0.0	12573.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25147.0	0.0	25147.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	346.8	1.4
10°-20°	1195.4	4.8
20°-30°	2441.5	9.7
30°-40°	4655.9	18.5
40°-50°	7845.9	31.2
50°-60°	7482.5	29.8
60°-70°	1044.5	4.2
70°-80°	99.9	0.4
80°-90°	34.5	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°	25147.0	100.0
0°-180°	25147.0	100.0

Coefficient of Utilization



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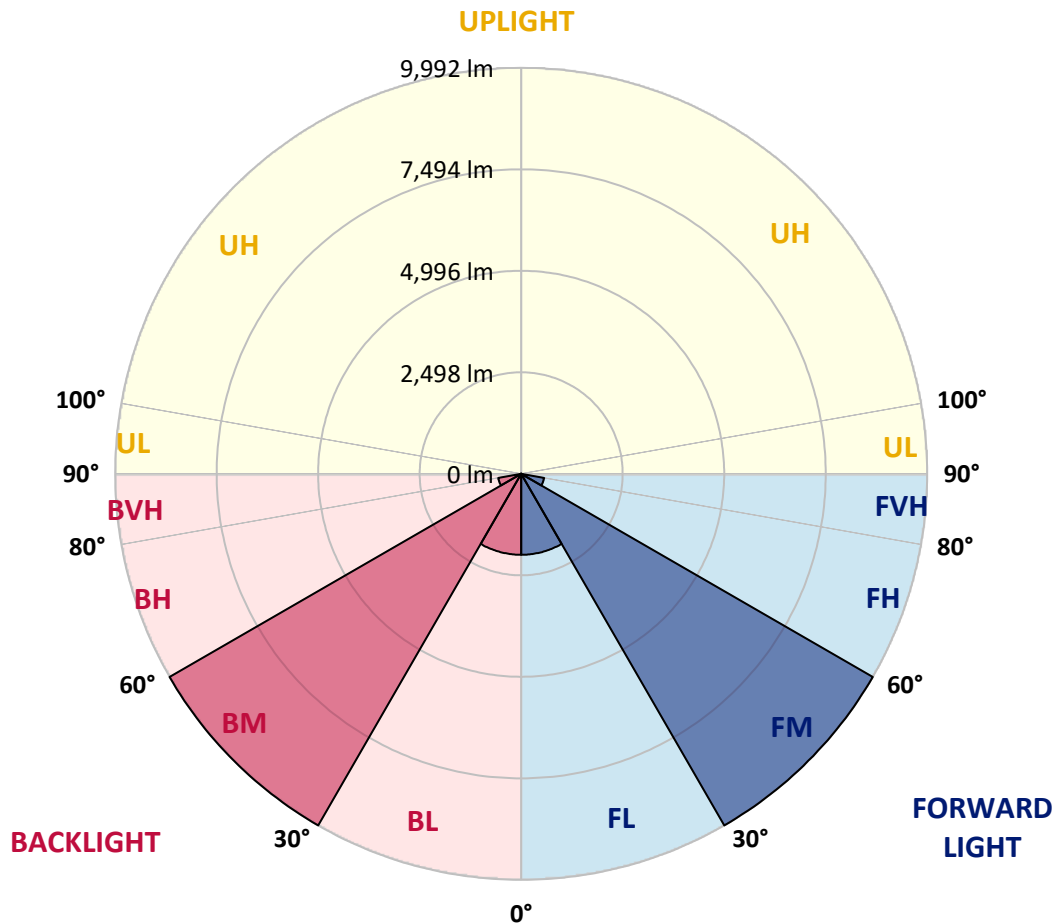
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1991.9	7.9			
FM	(30°-60°)	9992.2	39.7			
FH	(60°-80°)	572.2	2.3			G0/660
FVH	(80°-90°)	17.3	0.1			G1/100
BL	(0°-30°)	1991.9	7.9	B3/2500		
BM	(30°-60°)	9992.2	39.7	B5		
BH	(60°-80°)	572.2	2.3	B2/1000		G0/660
BVH	(80°-90°)	17.3	0.1			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°	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4	3486.4
2.5°	3473.7	3473.7	3469.4	3503.3	3486.4	3524.4	3520.2	3532.9	3545.6	3541.4	3575.2
5°	3444.0	3439.8	3439.8	3477.9	3516.0	3558.3	3596.4	3621.7	3664.1	3664.1	3706.4
7.5°	3473.7	3452.5	3482.1	3499.0	3571.0	3642.9	3706.4	3757.1	3854.5	3888.3	3875.6
10°	3482.1	3507.5	3528.7	3579.4	3668.3	3778.3	3833.3	3960.2	4070.2	4146.4	4163.3
12.5°	3537.1	3575.2	3634.4	3757.1	3837.5	3981.4	4057.5	4180.2	4332.6	4417.2	4476.4
15°	3642.9	3655.6	3731.8	3888.3	4061.8	4192.9	4311.4	4400.3	4548.3	4645.7	4649.9
17.5°	3778.3	3833.3	3939.1	4087.2	4269.1	4463.7	4556.8	4654.1	4709.1	4840.3	4869.9
20°	4049.1	4057.5	4159.1	4353.7	4582.2	4759.9	4827.6	4878.4	4857.2	4992.6	5018.0
22.5°	4302.9	4311.4	4438.3	4700.7	4946.1	5098.4	5128.0	5098.4	5034.9	5132.2	5140.7
25°	4561.0	4637.2	4730.3	4992.6	5297.2	5500.3	5504.5	5424.2	5293.0	5309.9	5352.2
27.5°	4963.0	5018.0	5115.3	5356.5	5690.7	5919.2	5881.1	5783.8	5614.6	5627.2	5614.6
30°	5432.6	5483.4	5563.8	5872.6	6118.0	6367.7	6422.7	6329.6	6075.7	6020.7	6084.2
32.5°	5999.6	6071.5	6219.6	6503.1	6710.4	6862.7	6900.8	6866.9	6630.0	6608.8	6651.2
35°	6689.2	6786.5	6921.9	7171.6	7340.8	7615.8	7615.8	7501.6	7285.8	7311.2	7307.0
37.5°	7417.0	7560.8	7772.4	8026.2	8254.7	8402.8	8356.3	8258.9	8043.2	7988.2	8043.2
40°	8330.9	8402.8	8669.3	8999.4	9278.6	9447.9	9249.0	9037.4	8521.3	8601.6	8749.7
42.5°	9164.4	9278.6	9481.7	9845.6	10162.9	10302.5	10065.6	9646.7	9024.8	8961.3	9071.3
45°	9875.2	9997.9	10264.4	10784.9	11119.1	11241.8	10717.2	10040.2	9329.4	9168.6	9215.1
47.5°	10349.1	10412.5	10784.9	11279.9	11584.5	11863.8	11110.6	10311.0	9473.2	9168.6	9151.7
50°	10167.1	10277.1	10712.9	11275.7	11829.9	12028.8	11309.5	10518.3	9519.8	9130.5	9079.8
52.5°	9029.0	9219.4	9705.9	10463.3	11301.0	12011.8	11584.5	10450.6	9502.9	9168.6	9244.8
55°	6283.1	6287.3	6879.6	7996.6	9477.5	11153.0	11182.6	10526.8	9612.9	9405.5	9409.8
57.5°	2525.9	2652.8	3105.6	4226.8	5593.4	7658.1	9105.1	9765.2	9625.6	9574.8	9705.9
60°	638.9	643.1	782.7	1193.1	1967.4	3283.3	4768.4	6452.3	7429.7	7763.9	7810.5
62.5°	325.8	330.0	363.9	423.1	537.3	880.1	1565.5	2483.6	3532.9	4066.0	4205.6
65°	266.6	266.6	287.7	317.3	321.6	338.5	406.2	579.6	842.0	956.2	968.9
67.5°	203.1	203.1	220.0	236.9	245.4	241.2	232.7	241.2	291.9	279.2	270.8
70°	126.9	131.2	139.6	156.5	165.0	169.2	173.5	181.9	207.3	215.8	207.3
72.5°	76.2	76.2	80.4	93.1	105.8	114.2	126.9	135.4	148.1	169.2	165.0
75°	33.8	33.8	42.3	55.0	67.7	80.4	93.1	105.8	114.2	126.9	131.2
77.5°	8.5	12.7	21.2	38.1	50.8	67.7	84.6	97.3	105.8	105.8	101.5
80°	4.2	4.2	16.9	29.6	55.0	71.9	93.1	101.5	114.2	105.8	93.1
82.5°	4.2	4.2	16.9	29.6	50.8	71.9	97.3	110.0	118.5	105.8	88.9
85°	0.0	4.2	12.7	25.4	42.3	50.8	42.3	29.6	16.9	16.9	12.7
87.5°	0.0	0.0	4.2	4.2	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)