

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: P529269

Luminaire Tested: **GALN-SA4B-830-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529269
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-SA4B-830-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 800mA 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: 11560 lumens
Efficiency: N/A
Efficacy: 70.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 164
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



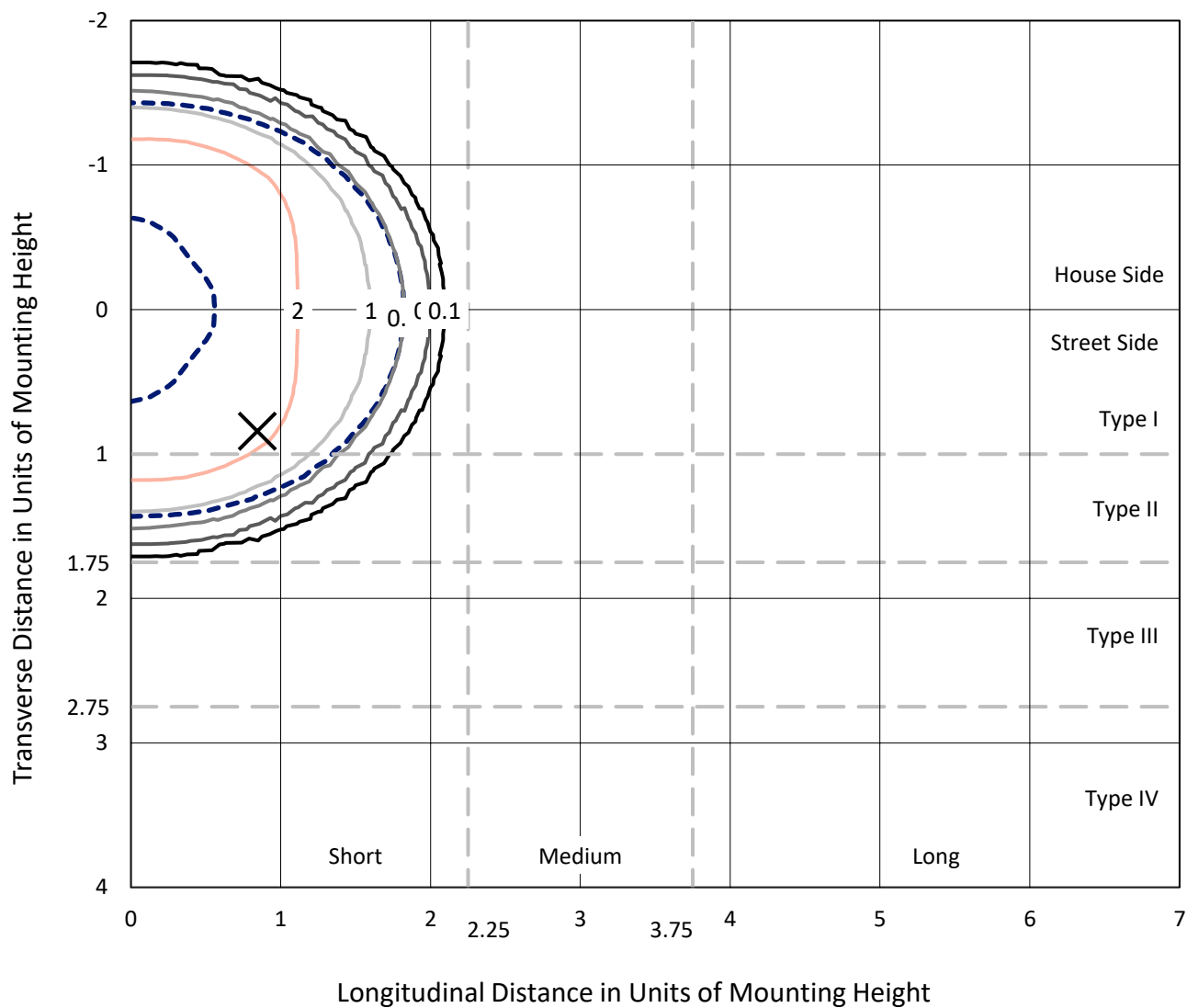
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

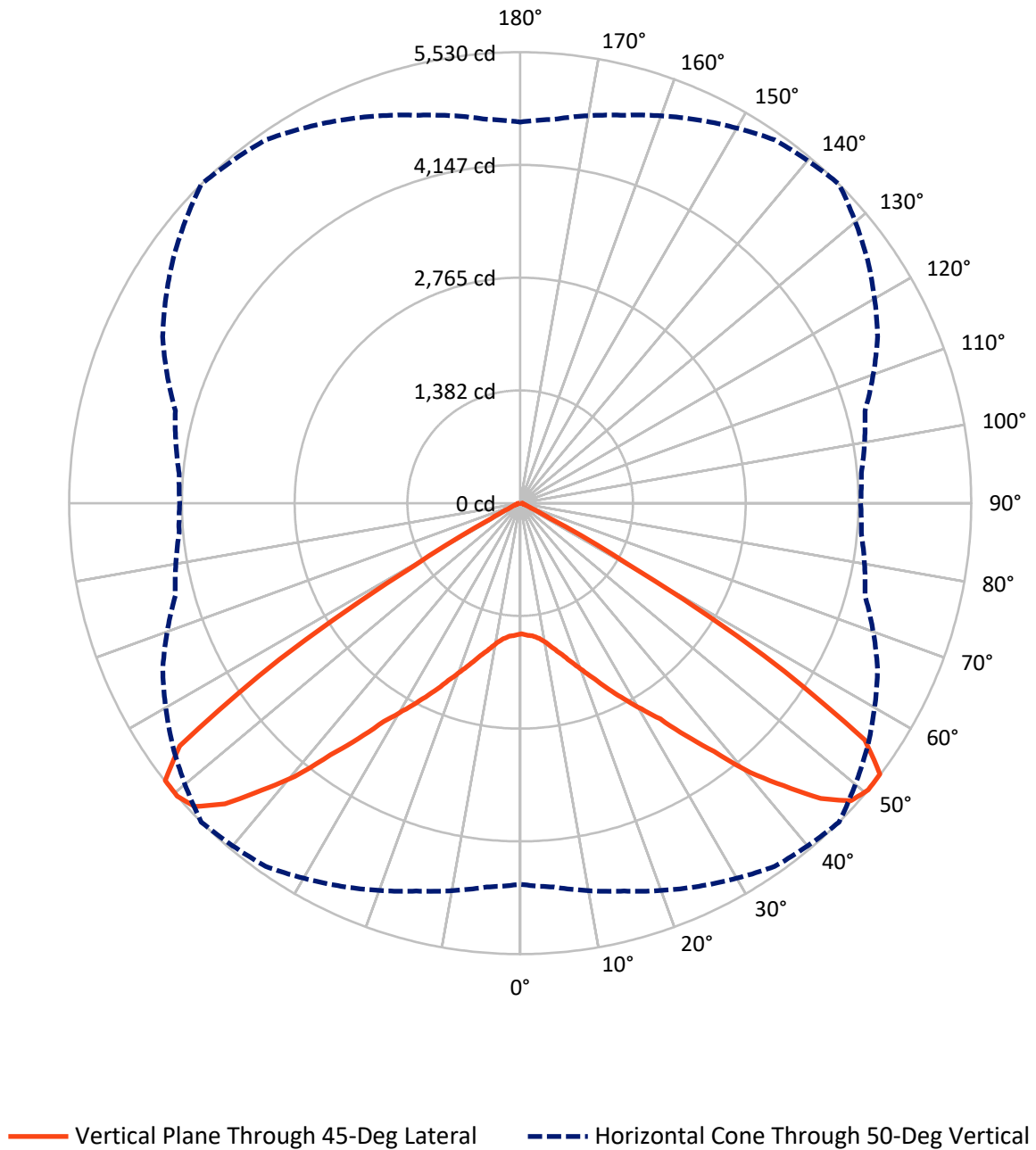


Based on 25 foot mounting height. Maximum calculated value = 3.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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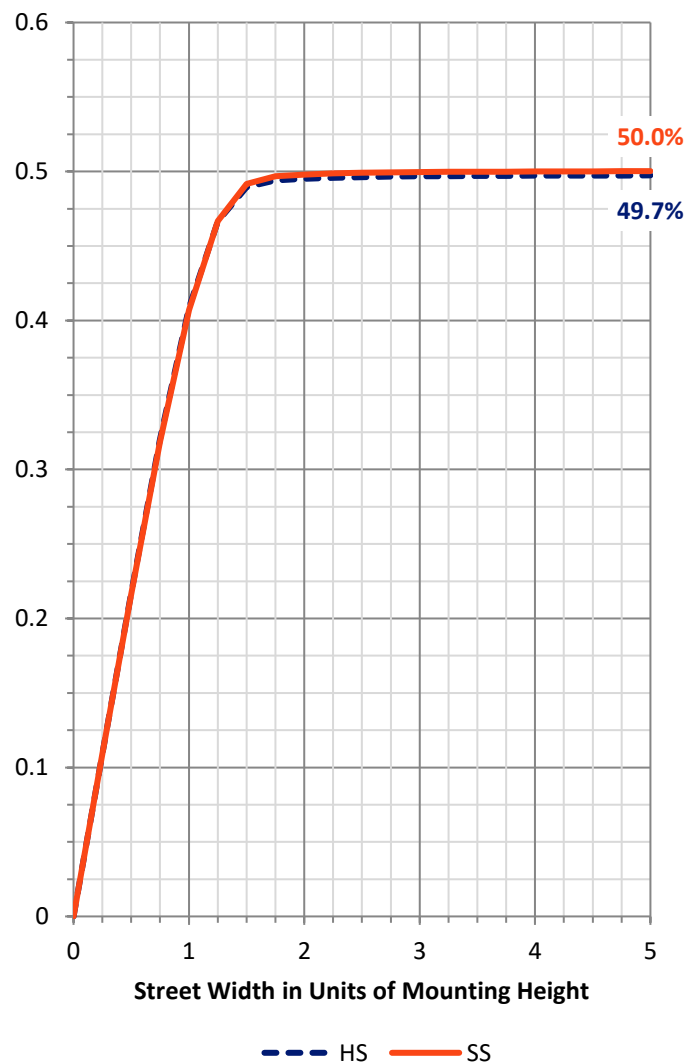
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5780.0	0.0	5780.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5780.0	0.0	5780.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	11560.0	0.0	11560.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	159.4	1.4
10°-20°	549.5	4.8
20°-30°	1122.3	9.7
30°-40°	2140.3	18.5
40°-50°	3606.7	31.2
50°-60°	3439.7	29.8
60°-70°	480.2	4.2
70°-80°	45.9	0.4
80°-90°	15.9	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°	11560.0	100.0
0°-180°	11560.0	100.0

Coefficient of Utilization



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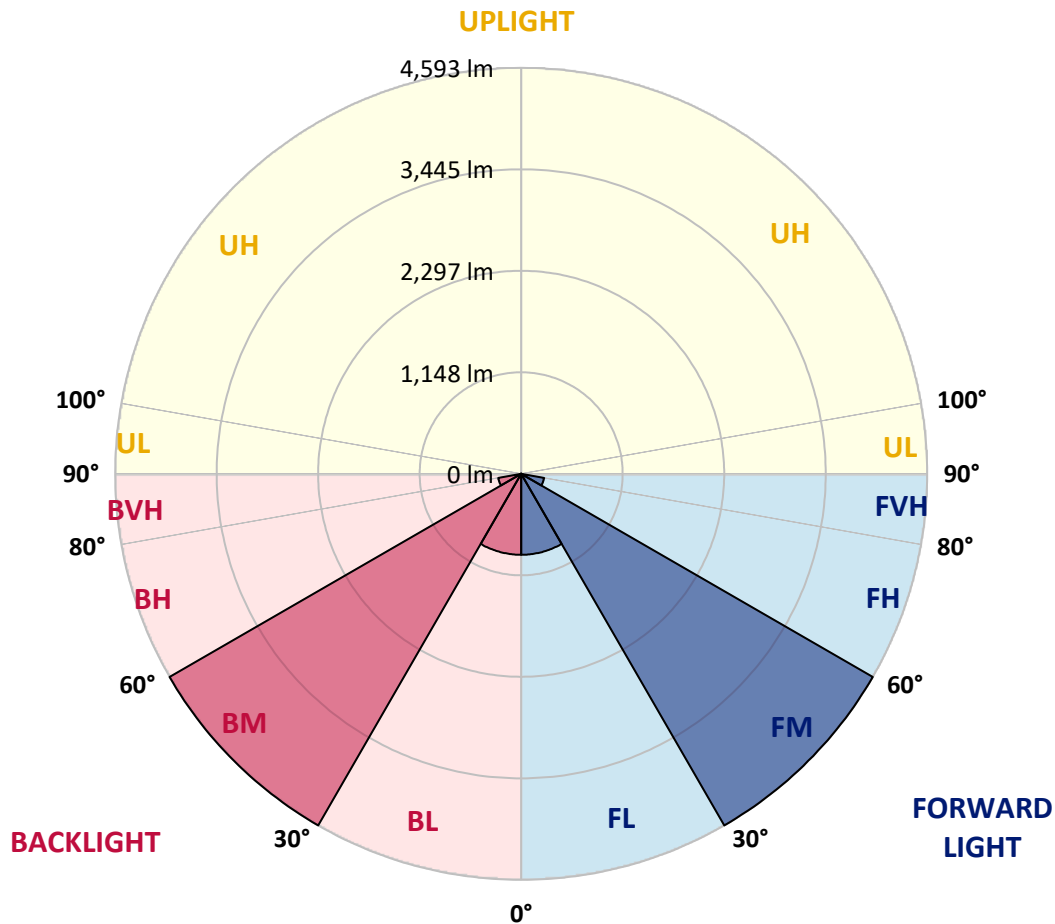
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	915.7	7.9			
FM	(30°-60°)	4593.4	39.7			
FH	(60°-80°)	263.0	2.3			G0/660
FVH	(80°-90°)	7.9	0.1			G0/10
BL	(0°-30°)	915.7	7.9	B2/1000		
BM	(30°-60°)	4593.4	39.7	B3/5000		
BH	(60°-80°)	263.0	2.3	B1/500		G0/660
BVH	(80°-90°)	7.9	0.1			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7	1602.7
2.5°	1596.8	1596.8	1594.9	1610.4	1602.7	1620.2	1618.2	1624.1	1629.9	1628.0	1643.5
5°	1583.2	1581.3	1581.3	1598.8	1616.3	1635.7	1653.2	1664.9	1684.4	1684.4	1703.8
7.5°	1596.8	1587.1	1600.7	1608.5	1641.6	1674.6	1703.8	1727.1	1771.9	1787.4	1781.6
10°	1600.7	1612.4	1622.1	1645.5	1686.3	1736.9	1762.2	1820.5	1871.1	1906.1	1913.9
12.5°	1626.0	1643.5	1670.7	1727.1	1764.1	1830.2	1865.2	1921.6	1991.7	2030.6	2057.8
15°	1674.6	1680.5	1715.5	1787.4	1867.2	1927.5	1981.9	2022.8	2090.9	2135.6	2137.5
17.5°	1736.9	1762.2	1810.8	1878.9	1962.5	2052.0	2094.7	2139.5	2164.8	2225.1	2238.7
20°	1861.3	1865.2	1911.9	2001.4	2106.4	2188.1	2219.2	2242.6	2232.8	2295.1	2306.8
22.5°	1978.0	1981.9	2040.3	2160.9	2273.7	2343.7	2357.3	2343.7	2314.5	2359.3	2363.2
25°	2096.7	2131.7	2174.5	2295.1	2435.1	2528.5	2530.4	2493.5	2433.2	2441.0	2460.4
27.5°	2281.5	2306.8	2351.5	2462.3	2616.0	2721.0	2703.5	2658.8	2581.0	2586.8	2581.0
30°	2497.4	2520.7	2557.7	2699.6	2812.4	2927.2	2952.5	2909.7	2793.0	2767.7	2796.9
32.5°	2758.0	2791.1	2859.1	2989.4	3084.7	3154.8	3172.3	3156.7	3047.8	3038.1	3057.5
35°	3075.0	3119.8	3182.0	3296.7	3374.5	3501.0	3501.0	3448.5	3349.3	3360.9	3359.0
37.5°	3409.6	3475.7	3572.9	3689.6	3794.7	3862.7	3841.3	3796.6	3697.4	3672.1	3697.4
40°	3829.7	3862.7	3985.3	4137.0	4265.3	4343.1	4251.7	4154.5	3917.2	3954.2	4022.2
42.5°	4212.8	4265.3	4358.7	4526.0	4671.9	4736.0	4627.1	4434.6	4148.7	4119.5	4170.0
45°	4539.6	4596.0	4718.5	4957.8	5111.4	5167.8	4926.6	4615.4	4288.7	4214.8	4236.2
47.5°	4757.4	4786.6	4957.8	5185.3	5325.4	5453.7	5107.5	4739.9	4354.8	4214.8	4207.0
50°	4673.8	4724.4	4924.7	5183.4	5438.2	5529.6	5198.9	4835.2	4376.2	4197.3	4173.9
52.5°	4150.6	4238.1	4461.8	4809.9	5195.1	5521.8	5325.4	4804.1	4368.4	4214.8	4249.8
55°	2888.3	2890.2	3162.5	3676.0	4356.8	5127.0	5140.6	4839.1	4419.0	4323.7	4325.6
57.5°	1161.2	1219.5	1427.6	1943.0	2571.3	3520.4	4185.6	4489.0	4424.8	4401.5	4461.8
60°	293.7	295.6	359.8	548.5	904.4	1509.3	2192.0	2966.1	3415.4	3569.0	3590.4
62.5°	149.8	151.7	167.3	194.5	247.0	404.6	719.6	1141.7	1624.1	1869.1	1933.3
65°	122.5	122.5	132.3	145.9	147.8	155.6	186.7	266.5	387.1	439.6	445.4
67.5°	93.4	93.4	101.1	108.9	112.8	110.9	107.0	110.9	134.2	128.4	124.5
70°	58.3	60.3	64.2	72.0	75.9	77.8	79.7	83.6	95.3	99.2	95.3
72.5°	35.0	35.0	37.0	42.8	48.6	52.5	58.3	62.2	68.1	77.8	75.9
75°	15.6	15.6	19.4	25.3	31.1	37.0	42.8	48.6	52.5	58.3	60.3
77.5°	3.9	5.8	9.7	17.5	23.3	31.1	38.9	44.7	48.6	48.6	46.7
80°	1.9	1.9	7.8	13.6	25.3	33.1	42.8	46.7	52.5	48.6	42.8
82.5°	1.9	1.9	7.8	13.6	23.3	33.1	44.7	50.6	54.5	48.6	40.8
85°	0.0	1.9	5.8	11.7	19.4	23.3	19.4	13.6	7.8	7.8	5.8
87.5°	0.0	0.0	1.9	1.9	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)