

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: P530123

Luminaire Tested: **GALN-SA5B-750-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530123
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5B-750-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14864 lumens
Efficiency: N/A
Efficacy: 72.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

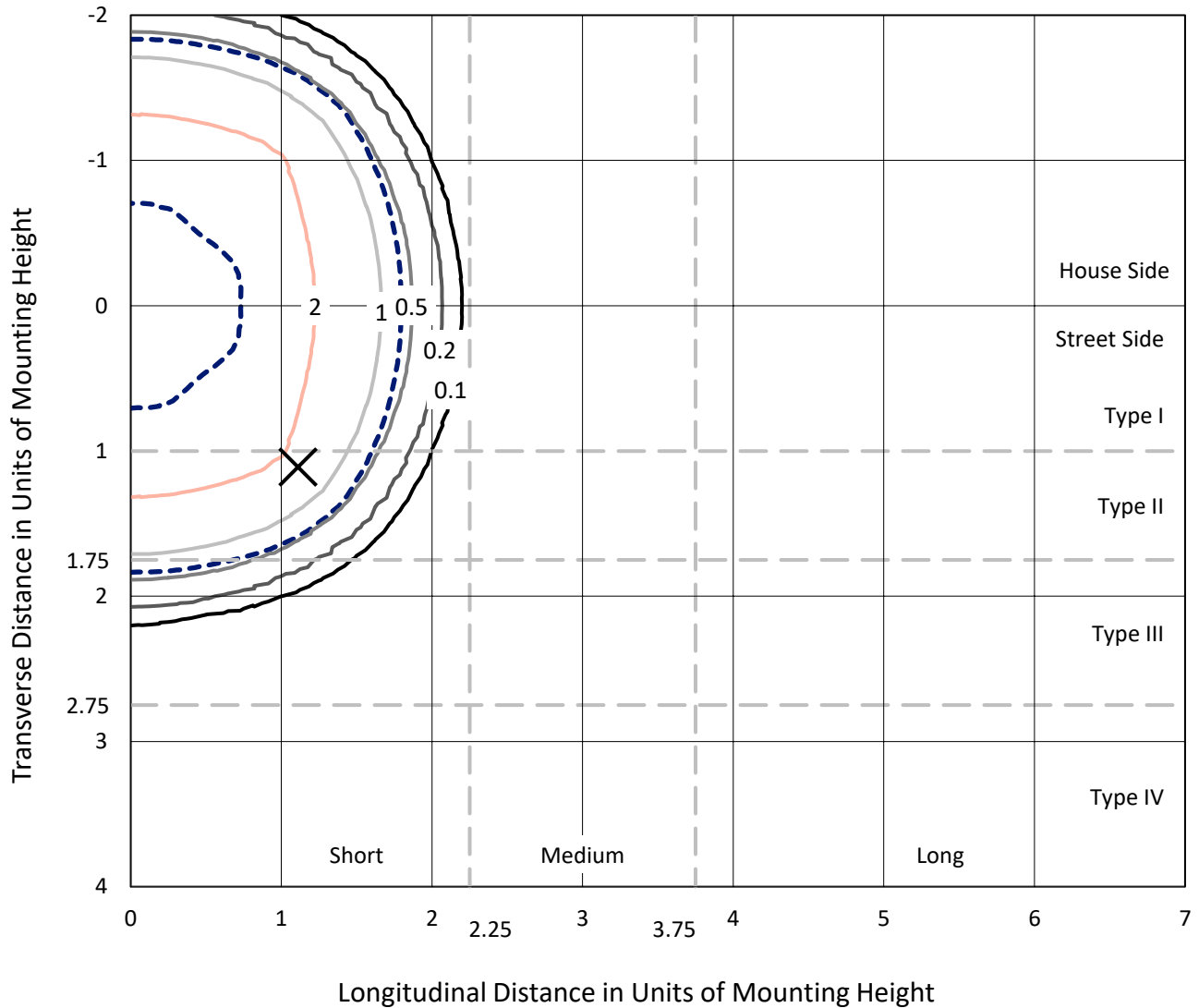
Input Watts (W): 204
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

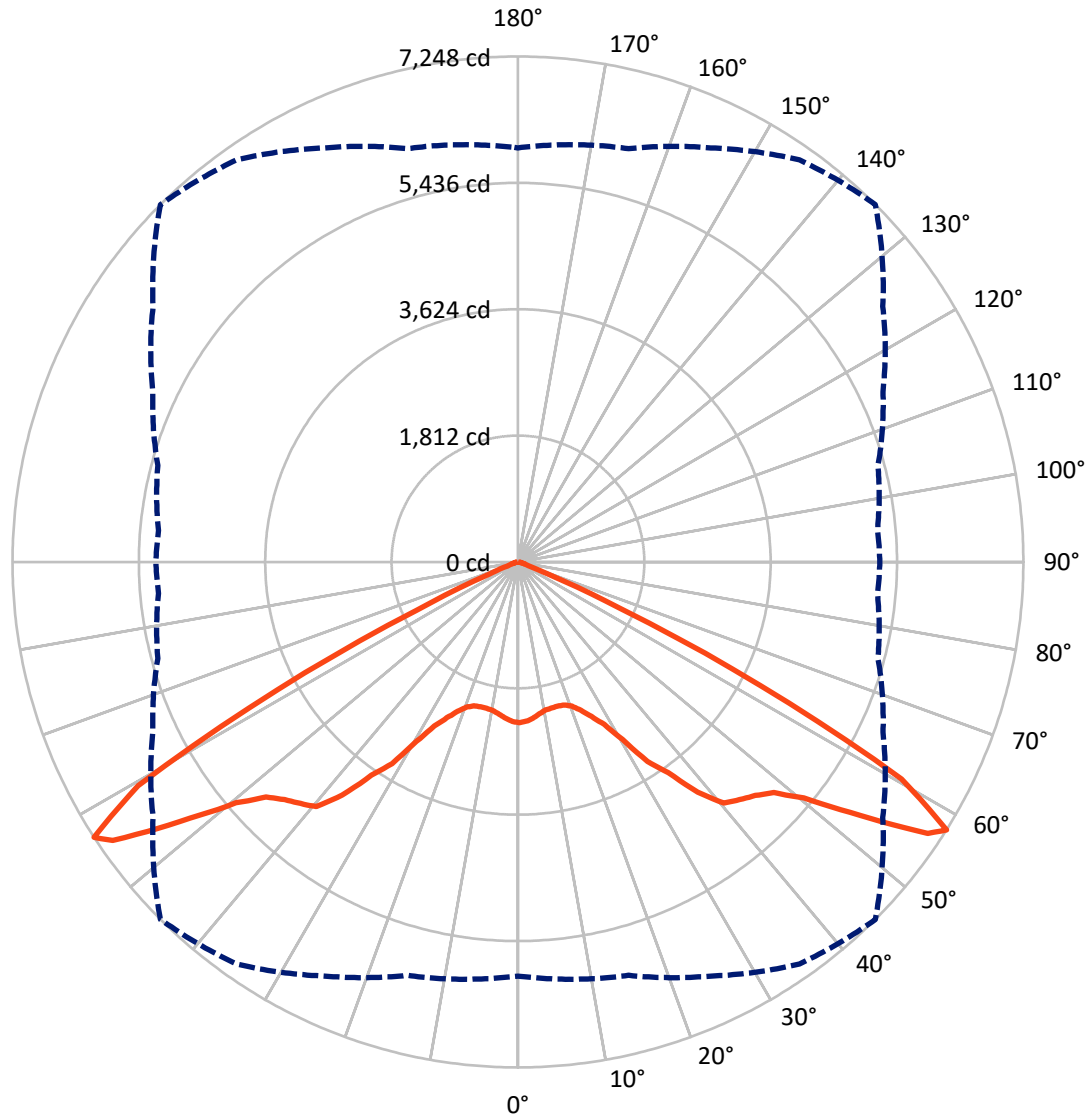
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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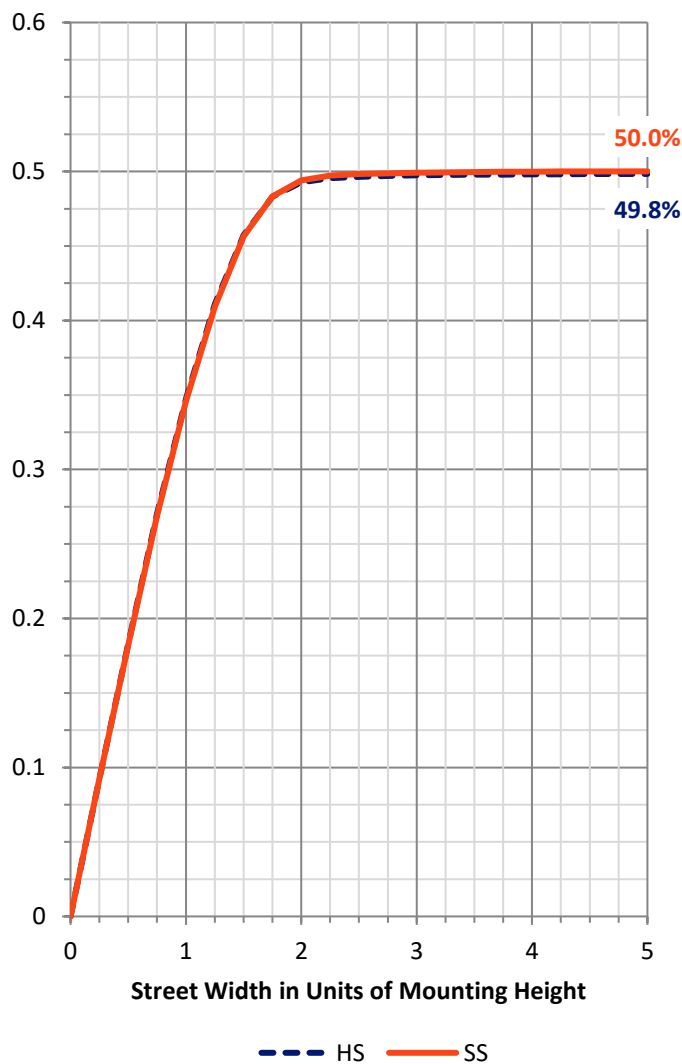
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7432.0	0.0	7432.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7432.0	0.0	7432.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14864.0	0.0	14864.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	211.9	1.4
10°-20°	612.4	4.1
20°-30°	1130.4	7.6
30°-40°	2223.1	15.0
40°-50°	3620.8	24.4
50°-60°	5163.7	34.7
60°-70°	1787.8	12.0
70°-80°	95.9	0.6
80°-90°	18.0	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°	14864.0	100.0
0°-180°	14864.0	100.0

Coefficient of Utilization



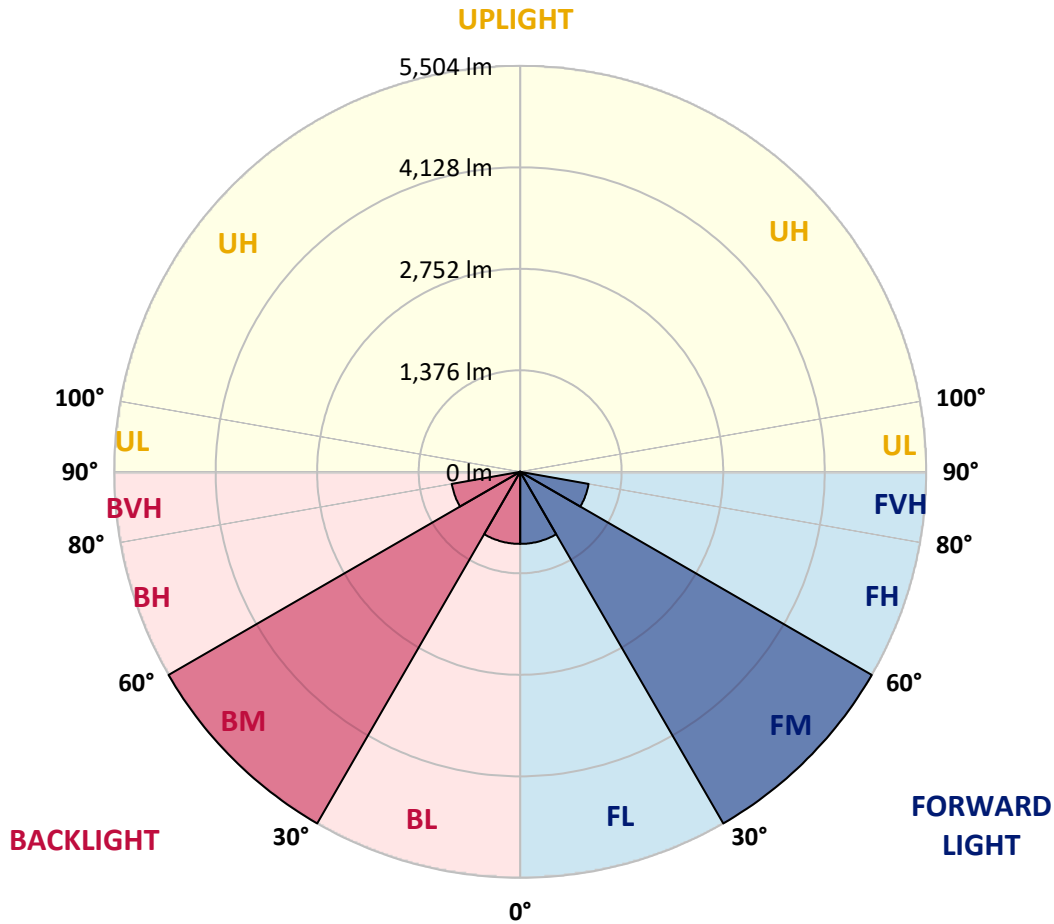
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	977.3	6.6			
FM (30°-60°)	5503.8	37.0			
FH (60°-80°)	941.9	6.3			G1/1800
FVH (80°-90°)	9.0	0.1			G0/10
BL (0°-30°)	977.3	6.6	B2/1000		
BM (30°-60°)	5503.8	37.0	B4/8500		
BH (60°-80°)	941.9	6.3	B2/1000		G1/1800
BVH (80°-90°)	9.0	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6	2305.6
2.5°	2299.4	2311.8	2296.3	2290.1	2287.0	2287.0	2277.7	2277.7	2274.6	2277.7	2265.3
5°	2262.2	2274.6	2274.6	2271.5	2252.9	2249.8	2240.5	2234.3	2237.4	2225.0	2234.3
7.5°	2225.0	2234.3	2221.9	2218.8	2212.6	2200.2	2197.1	2169.2	2172.3	2172.3	2178.5
10°	2218.8	2215.7	2197.1	2181.6	2163.0	2159.9	2150.6	2144.4	2144.4	2141.3	2150.6
12.5°	2218.8	2203.3	2200.2	2166.1	2135.1	2147.5	2122.7	2107.2	2128.9	2135.1	2147.5
15°	2215.7	2231.2	2178.5	2163.0	2141.3	2144.4	2122.7	2107.2	2119.6	2125.8	2135.1
17.5°	2234.3	2225.0	2209.5	2178.5	2169.2	2156.8	2128.9	2116.5	2116.5	2132.0	2135.1
20°	2283.9	2259.1	2228.1	2212.6	2221.9	2206.4	2172.3	2125.8	2138.2	2150.6	2159.9
22.5°	2330.4	2311.8	2290.1	2280.8	2333.5	2308.7	2249.8	2197.1	2178.5	2200.2	2215.7
25°	2420.2	2420.2	2379.9	2392.3	2451.2	2454.3	2386.1	2293.2	2280.8	2290.1	2296.3
27.5°	2603.1	2612.4	2578.3	2590.7	2615.4	2637.1	2578.3	2500.8	2472.9	2469.8	2479.1
30°	2801.4	2820.0	2816.9	2869.6	2940.8	2953.2	2866.5	2739.4	2655.7	2640.2	2652.6
32.5°	3061.7	3071.0	3064.8	3126.8	3318.9	3408.8	3182.5	3002.8	2891.2	2919.1	2891.2
35°	3551.3	3542.0	3473.8	3486.2	3644.3	3709.4	3492.4	3377.8	3325.1	3380.9	3368.5
37.5°	3972.8	3938.7	3882.9	3963.5	4127.7	4186.6	3960.4	3758.9	3662.9	3755.8	3796.1
40°	4329.1	4242.4	4164.9	4245.5	4465.5	4546.0	4214.5	4050.2	4013.0	4081.2	4168.0
42.5°	4629.7	4573.9	4471.7	4477.9	4623.5	4660.7	4394.2	4298.1	4261.0	4369.4	4412.8
45°	4843.5	4790.9	4694.8	4688.6	4800.2	4775.4	4536.8	4471.7	4493.4	4564.6	4586.3
47.5°	4952.0	4979.9	4924.1	4939.6	4998.5	4939.6	4750.6	4750.6	4701.0	4744.4	4722.7
50°	5265.0	5178.2	5249.5	5249.5	5311.5	5317.7	5128.6	5060.5	4927.2	4852.8	4852.8
52.5°	5630.7	5636.9	5664.7	5767.0	5872.4	5962.2	5692.6	5401.3	5178.2	5082.2	5069.8
55°	5931.2	5993.2	6104.8	6296.9	6600.6	6724.6	6259.7	5739.1	5466.4	5317.7	5286.7
56°	6095.5	6036.6	6228.7	6492.1	6888.8	7049.9	6352.7	5807.3	5506.7	5339.4	5336.3
57.5°	5937.4	6002.5	6135.8	6551.0	7037.5	7248.3	6386.8	5776.3	5345.6	5175.1	5190.6
60°	4688.6	4750.6	4930.3	5395.1	6157.5	6321.7	5404.4	4763.0	4378.7	4133.9	4137.0
62.5°	2652.6	2699.1	2838.6	3269.3	3743.4	3901.5	3368.5	2940.8	2674.3	2538.0	2494.6
65°	976.1	957.6	979.2	1199.3	1490.6	1623.8	1400.7	1183.8	1044.3	994.7	976.1
67.5°	365.7	337.8	316.1	337.8	424.5	449.3	412.2	344.0	322.3	331.6	337.8
70°	226.2	213.8	170.4	161.1	158.0	154.9	164.2	173.5	198.3	232.4	238.6
72.5°	158.0	148.7	120.9	114.7	108.5	105.4	120.9	133.3	154.9	179.7	182.8
75°	62.0	65.1	62.0	68.2	71.3	74.4	86.8	96.1	105.4	105.4	102.3
77.5°	12.4	12.4	18.6	24.8	31.0	40.3	58.9	68.2	71.3	68.2	58.9
80°	0.0	0.0	6.2	12.4	24.8	34.1	52.7	58.9	65.1	58.9	46.5
82.5°	0.0	0.0	6.2	15.5	24.8	31.0	49.6	62.0	71.3	65.1	49.6
85°	0.0	0.0	6.2	12.4	18.6	21.7	21.7	15.5	15.5	9.3	6.2
87.5°	0.0	0.0	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

(END OF REPORT)