

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: P530387

Luminaire Tested: **GALN-SA5C-760-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530387
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-SA5C-760-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 5700K, 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: 22753 lumens
Efficiency: N/A
Efficacy: 84.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

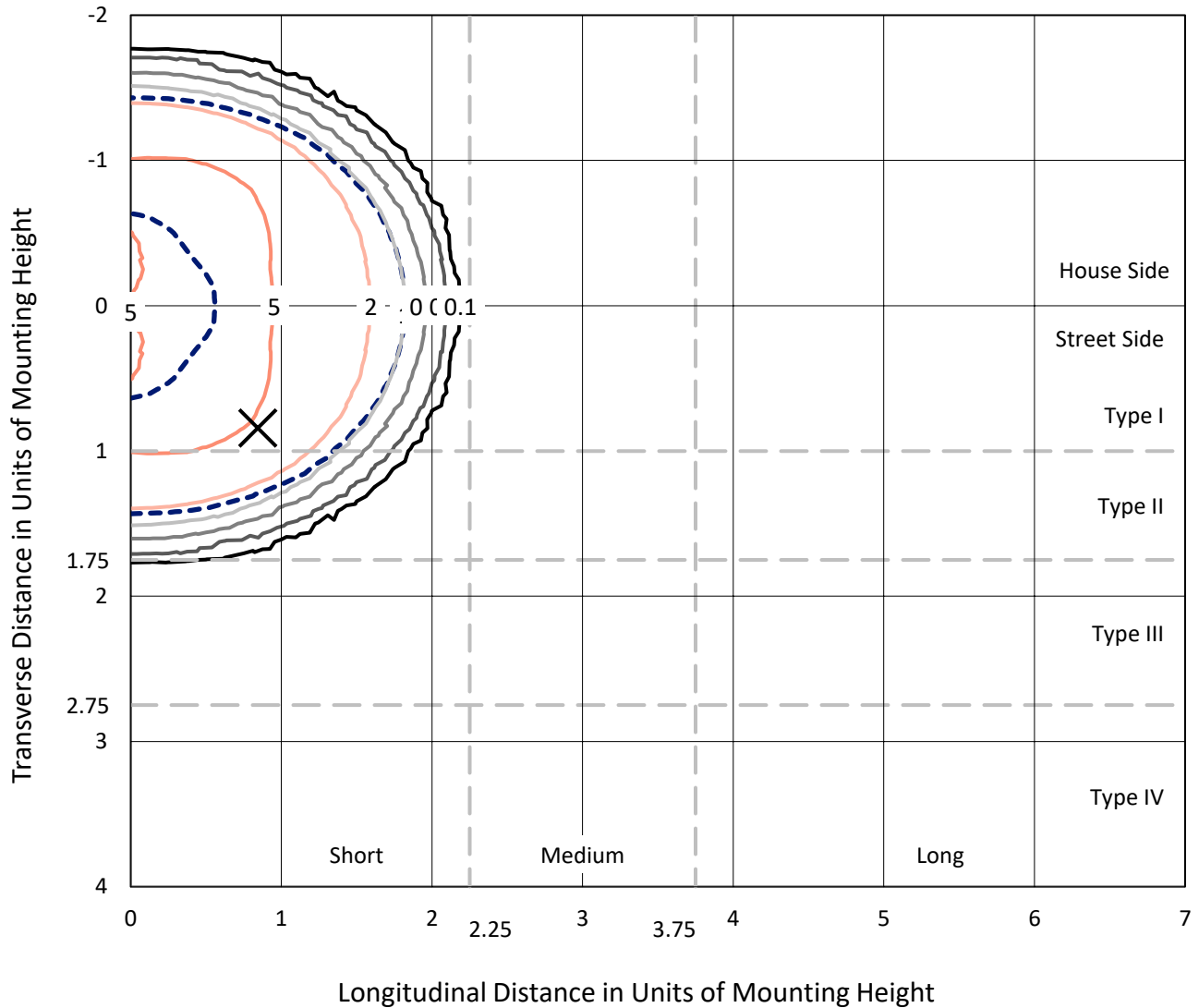
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

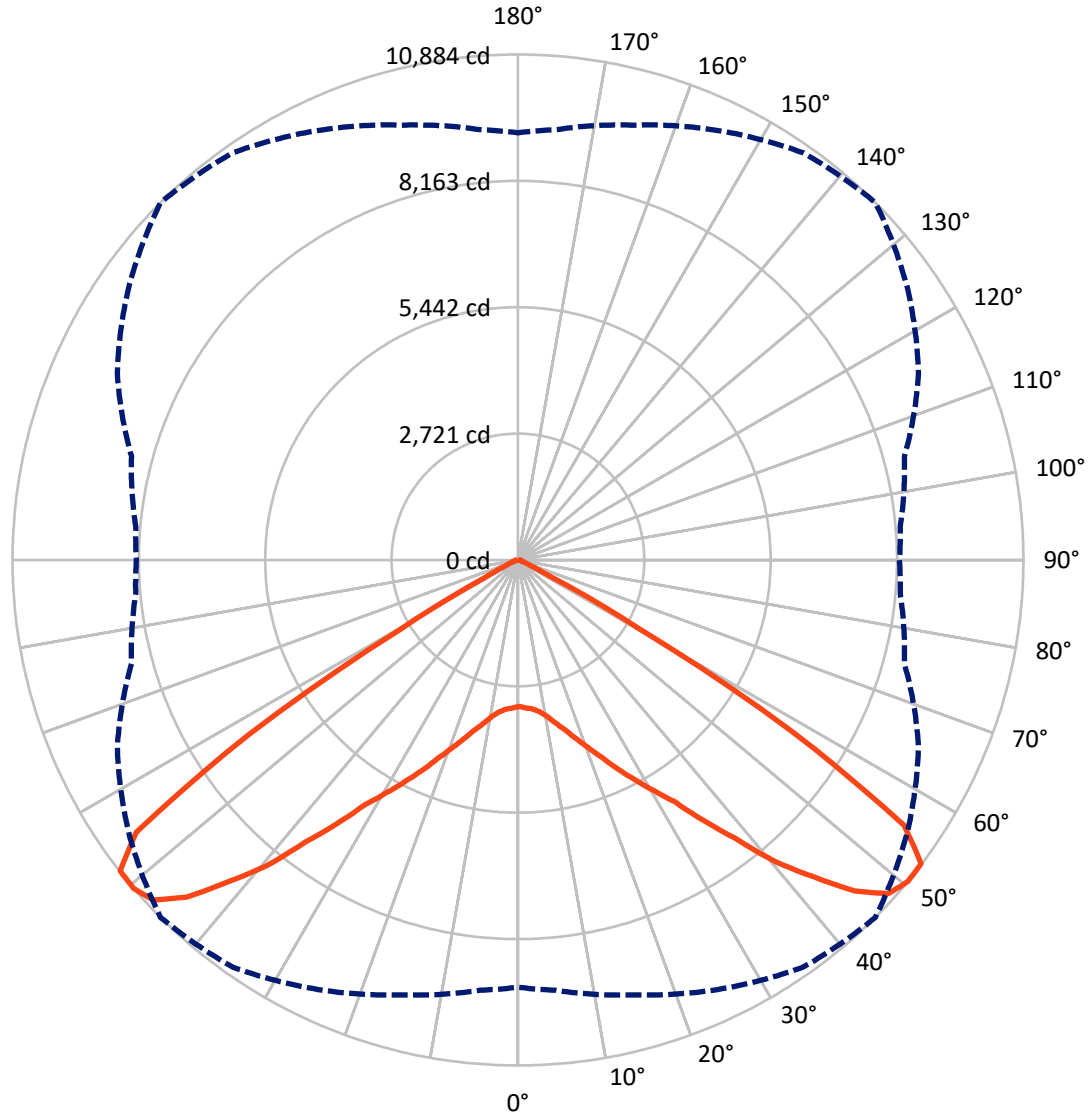
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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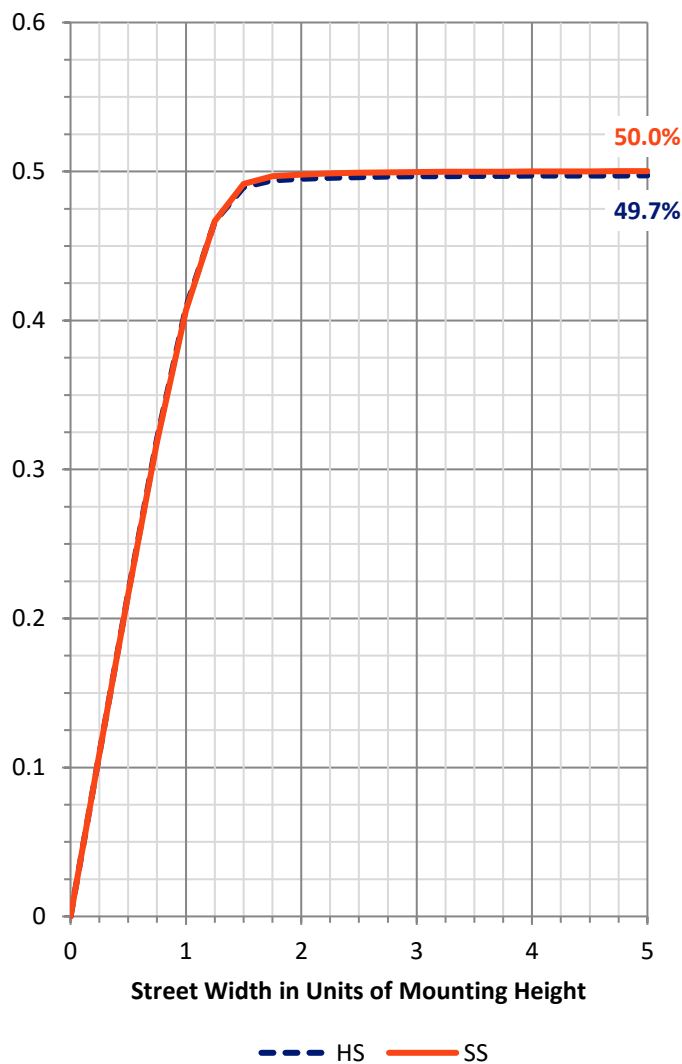
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11376.5	0.0	11376.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11376.5	0.0	11376.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	22753.0	0.0	22753.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	313.8	1.4
10°-20°	1081.6	4.8
20°-30°	2209.1	9.7
30°-40°	4212.7	18.5
40°-50°	7099.0	31.2
50°-60°	6770.1	29.8
60°-70°	945.1	4.2
70°-80°	90.4	0.4
80°-90°	31.2	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°	22753.0	100.0
0°-180°	22753.0	100.0

Coefficient of Utilization



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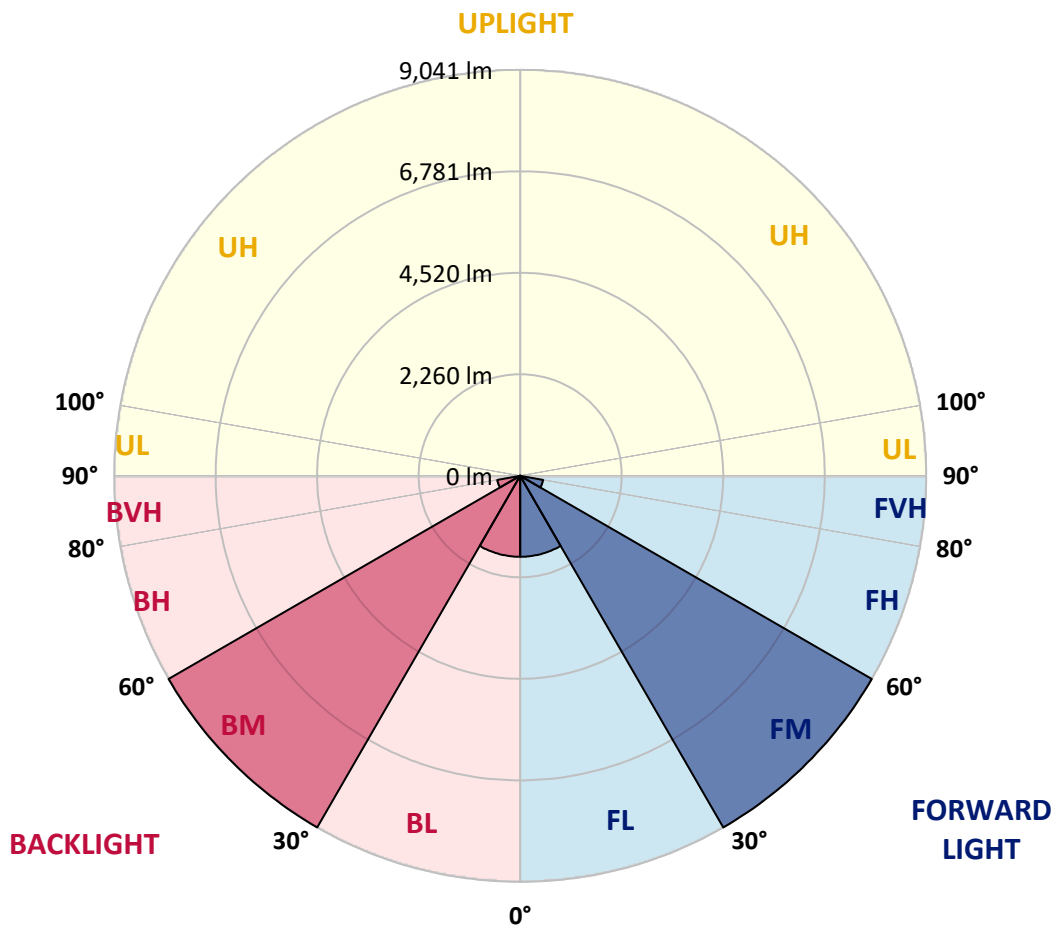
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1802.2	7.9			
FM (30°-60°)	9040.9	39.7			
FH (60°-80°)	517.7	2.3			G0/660
FVH (80°-90°)	15.6	0.1			G1/100
BL (0°-30°)	1802.2	7.9	B3/2500		
BM (30°-60°)	9040.9	39.7	B5		
BH (60°-80°)	517.7	2.3	B2/1000		G0/660
BVH (80°-90°)	15.6	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°	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5	3154.5
2.5°	3143.0	3143.0	3139.1	3169.8	3154.5	3188.9	3185.1	3196.6	3208.0	3204.2	3234.8
5°	3116.2	3112.3	3112.3	3146.8	3181.3	3219.5	3254.0	3277.0	3315.2	3315.2	3353.5
7.5°	3143.0	3123.8	3150.6	3165.9	3231.0	3296.1	3353.5	3399.5	3487.5	3518.1	3506.6
10°	3150.6	3173.6	3192.7	3238.7	3319.1	3418.6	3468.4	3583.2	3682.7	3751.7	3767.0
12.5°	3200.4	3234.8	3288.4	3399.5	3472.2	3602.4	3671.3	3782.3	3920.1	3996.7	4050.3
15°	3296.1	3307.6	3376.5	3518.1	3675.1	3793.8	3901.0	3981.3	4115.3	4203.4	4207.2
17.5°	3418.6	3468.4	3564.1	3698.1	3862.7	4038.8	4123.0	4211.0	4260.8	4379.5	4406.3
20°	3663.6	3671.3	3763.1	3939.2	4146.0	4306.7	4368.0	4413.9	4394.8	4517.3	4540.3
22.5°	3893.3	3901.0	4015.8	4253.2	4475.2	4613.0	4639.8	4613.0	4555.6	4643.6	4651.3
25°	4126.8	4195.7	4279.9	4517.3	4792.9	4976.7	4980.5	4907.8	4789.1	4804.4	4842.7
27.5°	4490.5	4540.3	4628.3	4846.5	5149.0	5355.7	5321.2	5233.2	5080.0	5091.5	5080.0
30°	4915.4	4961.4	5034.1	5313.6	5535.6	5761.5	5811.2	5727.0	5497.3	5447.6	5505.0
32.5°	5428.4	5493.5	5627.5	5884.0	6071.6	6209.4	6243.8	6213.2	5998.8	5979.7	6018.0
35°	6052.4	6140.5	6263.0	6488.8	6642.0	6890.8	6890.8	6787.4	6592.2	6615.2	6611.3
37.5°	6710.9	6841.0	7032.4	7262.1	7468.9	7602.8	7560.7	7472.7	7277.4	7227.7	7277.4
40°	7537.8	7602.8	7844.0	8142.6	8395.3	8548.4	8368.5	8177.1	7710.0	7782.8	7916.8
42.5°	8291.9	8395.3	8579.0	8908.3	9195.4	9321.7	9107.3	8728.3	8165.6	8108.2	8207.7
45°	8935.1	9046.1	9287.3	9758.1	10060.6	10171.6	9696.9	9084.4	8441.2	8295.8	8337.9
47.5°	9363.8	9421.2	9758.1	10206.0	10481.7	10734.3	10052.9	9329.4	8571.4	8295.8	8280.4
50°	9199.2	9298.7	9693.1	10202.2	10703.7	10883.6	10232.8	9517.0	8613.5	8261.3	8215.4
52.5°	8169.4	8341.7	8781.9	9467.2	10225.2	10868.3	10481.7	9455.7	8598.2	8295.8	8364.7
55°	5684.9	5688.7	6224.7	7235.3	8575.2	10091.2	10118.0	9524.6	8697.7	8510.1	8514.0
57.5°	2285.4	2400.3	2809.9	3824.4	5060.9	6929.1	8238.3	8835.5	8709.2	8663.3	8781.9
60°	578.1	581.9	708.2	1079.6	1780.1	2970.7	4314.4	5838.0	6722.4	7024.8	7066.9
62.5°	294.8	298.6	329.2	382.8	486.2	796.3	1416.4	2247.2	3196.6	3678.9	3805.3
65°	241.2	241.2	260.3	287.1	290.9	306.3	367.5	524.5	761.8	865.2	876.7
67.5°	183.8	183.8	199.1	214.4	222.0	218.2	210.6	218.2	264.1	252.7	245.0
70°	114.8	118.7	126.3	141.6	149.3	153.1	157.0	164.6	187.6	195.2	187.6
72.5°	68.9	68.9	72.7	84.2	95.7	103.4	114.8	122.5	134.0	153.1	149.3
75°	30.6	30.6	38.3	49.8	61.3	72.7	84.2	95.7	103.4	114.8	118.7
77.5°	7.7	11.5	19.1	34.5	45.9	61.3	76.6	88.0	95.7	95.7	91.9
80°	3.8	3.8	15.3	26.8	49.8	65.1	84.2	91.9	103.4	95.7	84.2
82.5°	3.8	3.8	15.3	26.8	45.9	65.1	88.0	99.5	107.2	95.7	80.4
85°	0.0	3.8	11.5	23.0	38.3	45.9	38.3	26.8	15.3	15.3	11.5
87.5°	0.0	0.0	3.8	3.8	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)