

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: P383191

Luminaire Tested: **GLEON-SA5B-735-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383191
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-7)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA5B-735-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27197.5 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B4 - U0 - G4

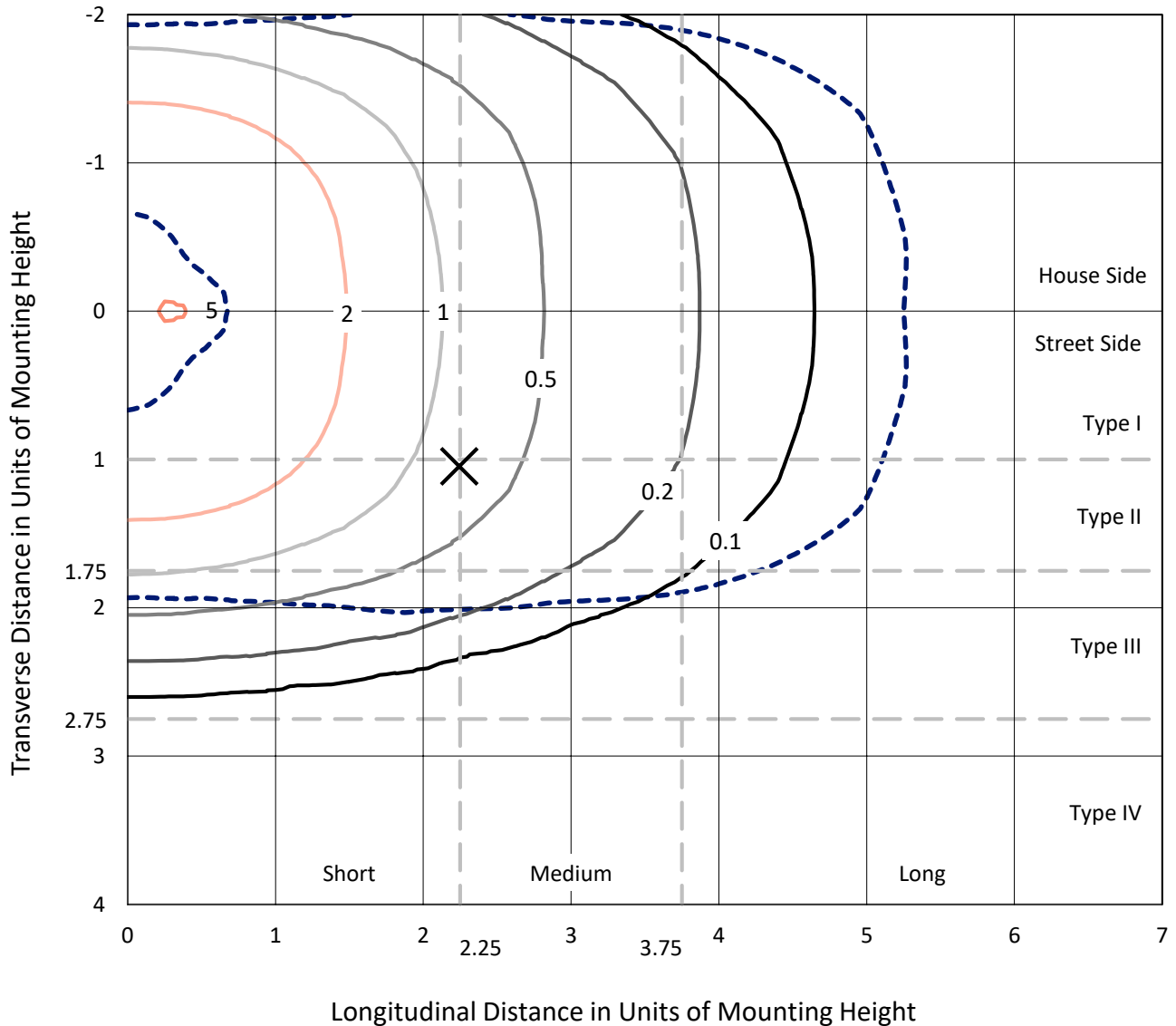
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

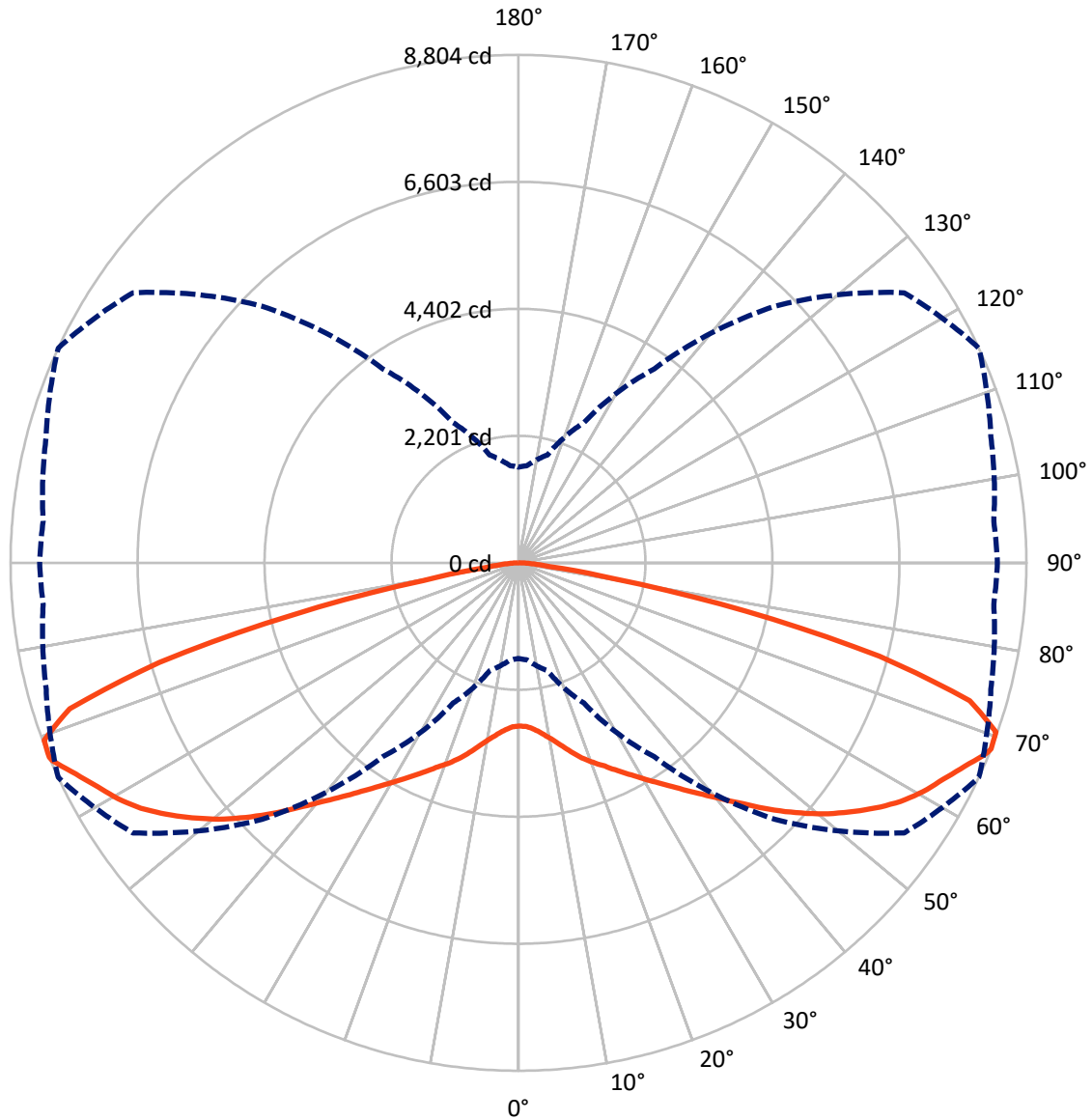
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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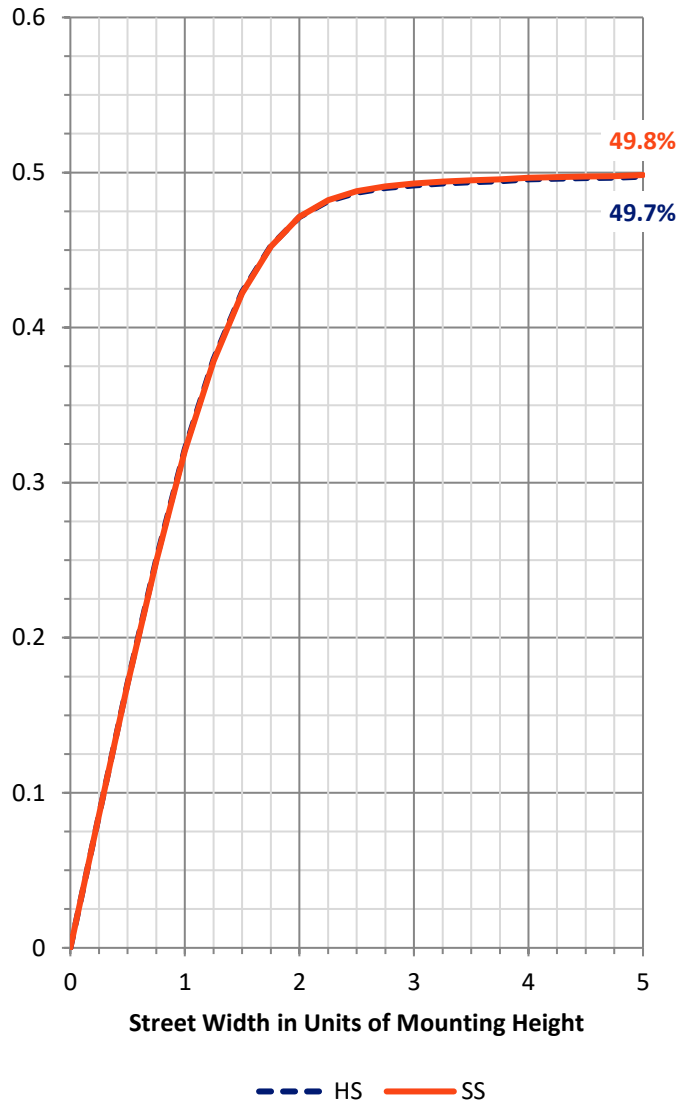
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13598.7	0.0	13598.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13598.7	0.0	13598.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	27197.5	0.0	27197.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.9	1.0
10°-20°	927.1	3.4
20°-30°	1807.6	6.6
30°-40°	3036.6	11.2
40°-50°	4784.6	17.6
50°-60°	6398.6	23.5
60°-70°	6220.2	22.9
70°-80°	3400.3	12.5
80°-90°	345.8	1.3
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°	27197.5	100.0
0°-180°	27197.5	100.0

Coefficient of Utilization



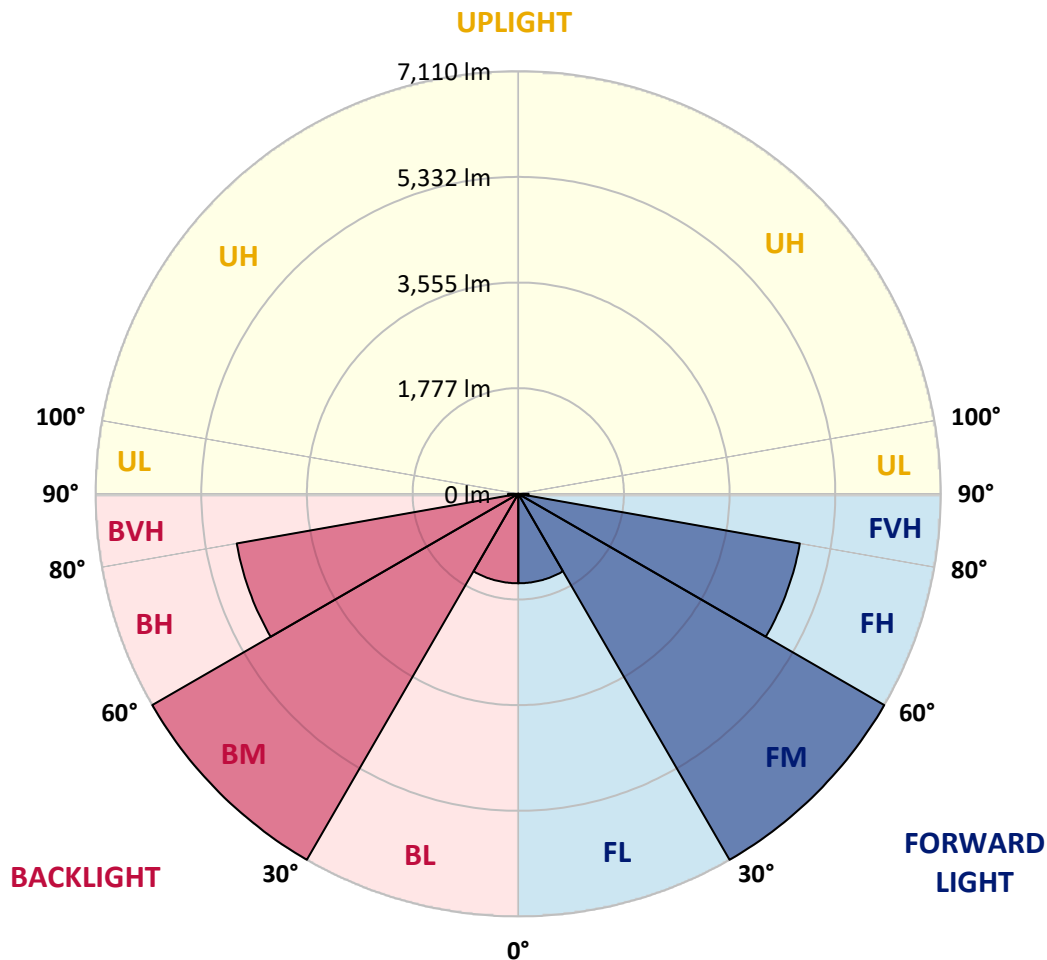
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1505.8	5.5			
FM (30°-60°)	7109.8	26.1			
FH (60°-80°)	4810.2	17.7			G2/5000
FVH (80°-90°)	172.9	0.6			G2/225
BL (0°-30°)	1505.8	5.5	B3/2500		
BM (30°-60°)	7109.8	26.1	B4/8500		
BH (60°-80°)	4810.2	17.7	B4/5000		G4/5000
BVH (80°-90°)	172.9	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G4

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9	2827.9
2.5°	2807.9	2808.7	2813.3	2818.8	2823.3	2835.2	2838.0	2842.5	2844.3	2848.9	2848.9
5°	2783.2	2785.0	2795.9	2810.6	2827.0	2856.1	2877.2	2900.8	2912.7	2925.4	2924.6
7.5°	2780.5	2785.0	2800.5	2824.3	2851.6	2899.9	2943.7	2991.1	3023.1	3052.2	3050.4
10°	2808.7	2816.1	2838.0	2873.5	2914.5	2974.7	3039.5	3103.3	3159.0	3203.6	3205.5
12.5°	2851.6	2860.7	2895.3	2949.2	3011.2	3088.7	3165.3	3237.3	3314.0	3380.5	3386.0
15°	2908.1	2920.0	2972.0	3052.2	3147.0	3239.2	3321.2	3395.1	3483.6	3575.7	3584.8
17.5°	2992.0	3008.4	3076.8	3185.3	3310.3	3411.5	3497.2	3552.9	3626.7	3721.6	3739.0
20°	3119.8	3140.7	3227.3	3356.8	3509.1	3614.9	3680.5	3692.4	3728.9	3813.7	3833.8
22.5°	3285.7	3303.9	3400.6	3554.7	3725.3	3840.1	3874.8	3827.4	3823.7	3892.1	3911.3
25°	3470.9	3487.2	3599.4	3772.7	3955.9	4082.7	4081.8	3989.7	3925.8	3978.7	3998.9
27.5°	3678.7	3704.3	3811.9	3994.3	4190.3	4315.3	4307.9	4165.7	4044.4	4058.1	4075.4
30°	3917.6	3945.9	4050.8	4235.9	4432.0	4554.1	4545.0	4357.2	4174.8	4138.3	4151.1
32.5°	4214.0	4247.8	4347.2	4529.6	4702.8	4813.2	4786.8	4565.1	4331.7	4252.3	4264.2
35°	4570.6	4590.7	4695.6	4875.2	5015.6	5091.3	5035.7	4805.9	4530.5	4434.7	4434.7
37.5°	4931.7	4947.3	5064.8	5239.0	5374.9	5415.1	5306.6	5069.4	4790.4	4654.5	4657.3
40°	5278.2	5320.2	5452.4	5631.2	5765.3	5776.2	5632.0	5370.4	5079.4	4939.0	4955.5
42.5°	5640.3	5681.3	5839.1	6041.6	6160.0	6178.3	6009.6	5707.8	5406.0	5291.9	5310.2
45°	5963.1	5995.9	6178.3	6413.6	6561.4	6608.8	6409.0	6094.5	5758.8	5647.6	5652.2
47.5°	6188.4	6231.2	6431.9	6709.1	6924.3	6997.2	6801.1	6471.1	6106.3	5971.3	5983.1
50°	6392.7	6415.5	6618.8	6921.6	7195.1	7345.6	7177.8	6843.1	6457.4	6314.2	6327.0
52.5°	6506.6	6535.8	6732.8	7048.3	7372.1	7614.7	7512.5	7177.8	6796.6	6657.1	6672.6
55°	6427.3	6449.2	6685.3	7076.6	7481.4	7780.6	7796.1	7505.2	7129.5	7007.3	7051.1
57.5°	6066.1	6093.5	6381.7	6894.2	7495.1	7892.7	8009.4	7808.9	7440.5	7341.1	7366.6
60°	5501.7	5519.0	5826.4	6402.6	7228.9	7939.3	8145.4	8056.9	7745.0	7645.6	7680.2
62.5°	4495.8	4521.4	4888.9	5661.3	6666.2	7801.5	8276.7	8262.1	8028.6	7937.4	7968.5
65°	3073.2	3117.9	3524.6	4501.3	5799.0	7380.3	8396.1	8501.0	8279.4	8164.5	8205.5
67.5°	1855.7	1888.6	2183.2	2972.0	4437.4	6530.3	8273.1	8772.8	8456.3	8271.2	8304.9
68°	1658.8	1688.9	1935.1	2682.0	4104.6	6290.5	8160.8	8803.8	8475.5	8269.3	8299.4
70°	1002.3	1022.3	1187.4	1657.9	2736.7	4990.1	7395.7	8778.3	8597.7	8295.0	8312.3
72.5°	652.9	659.3	686.6	850.9	1398.0	2790.5	5550.9	8180.0	8781.0	8443.5	8440.8
75°	542.6	539.0	541.7	560.8	689.4	1223.8	3243.7	6462.0	8370.6	8209.2	8151.8
77.5°	458.7	456.0	455.1	456.0	461.4	591.0	1408.0	4025.2	6405.4	7261.7	7312.7
80°	371.1	367.5	379.3	373.9	357.4	367.5	590.0	1674.3	3019.4	3248.3	3044.0
82.5°	270.0	256.3	307.3	292.7	279.1	259.0	325.6	540.8	720.5	494.3	347.5
85°	207.9	193.3	233.4	224.3	191.5	132.2	193.3	264.5	291.9	166.8	131.3
87.5°	84.8	89.3	168.7	133.1	112.2	63.8	79.4	105.8	142.2	71.2	54.7
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)