

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: P383186

Luminaire Tested: **GLEON-SA5B-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383186
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-6)
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-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27950.1 lumens
Efficiency: N/A
Efficacy: 133.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

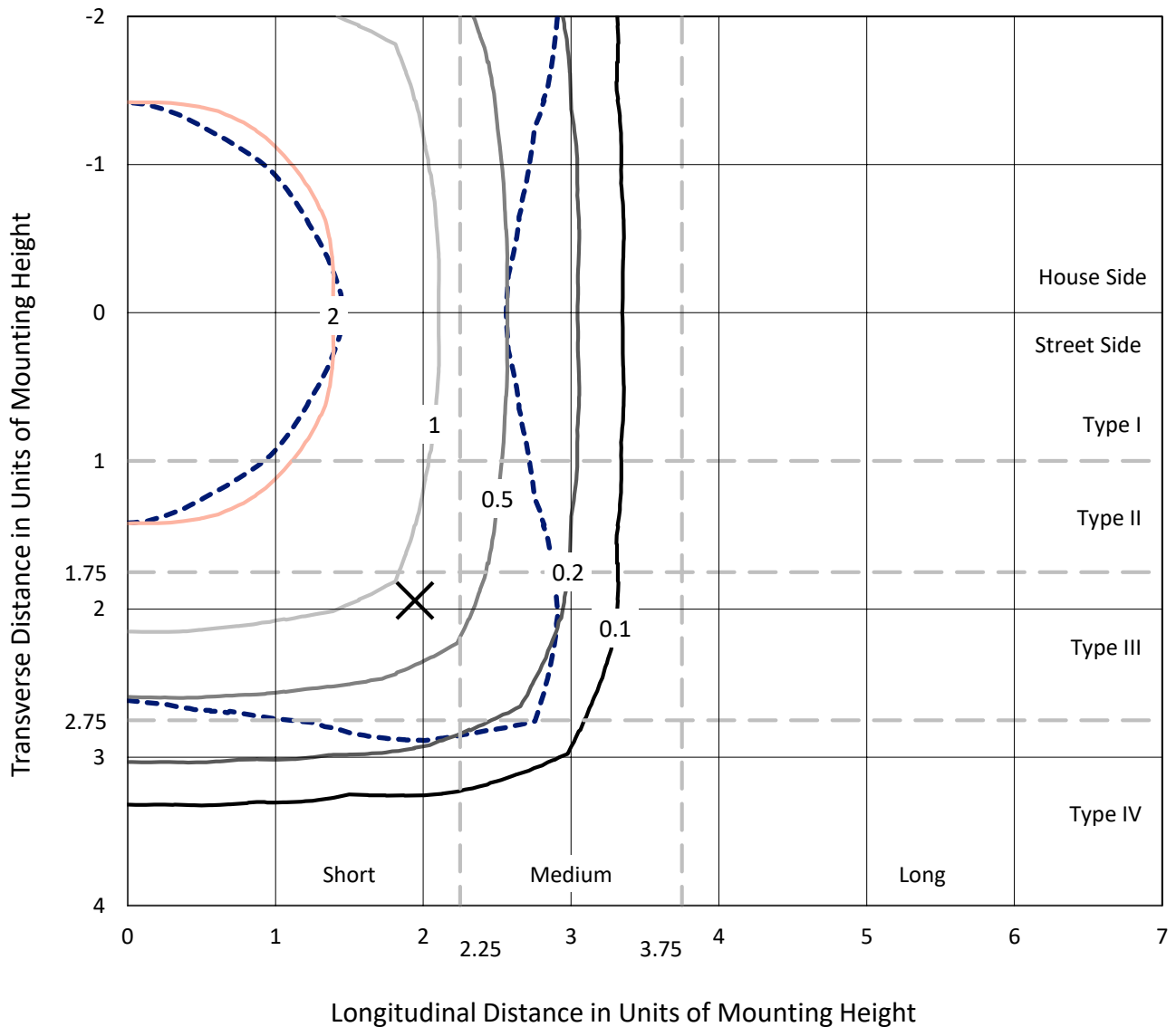
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

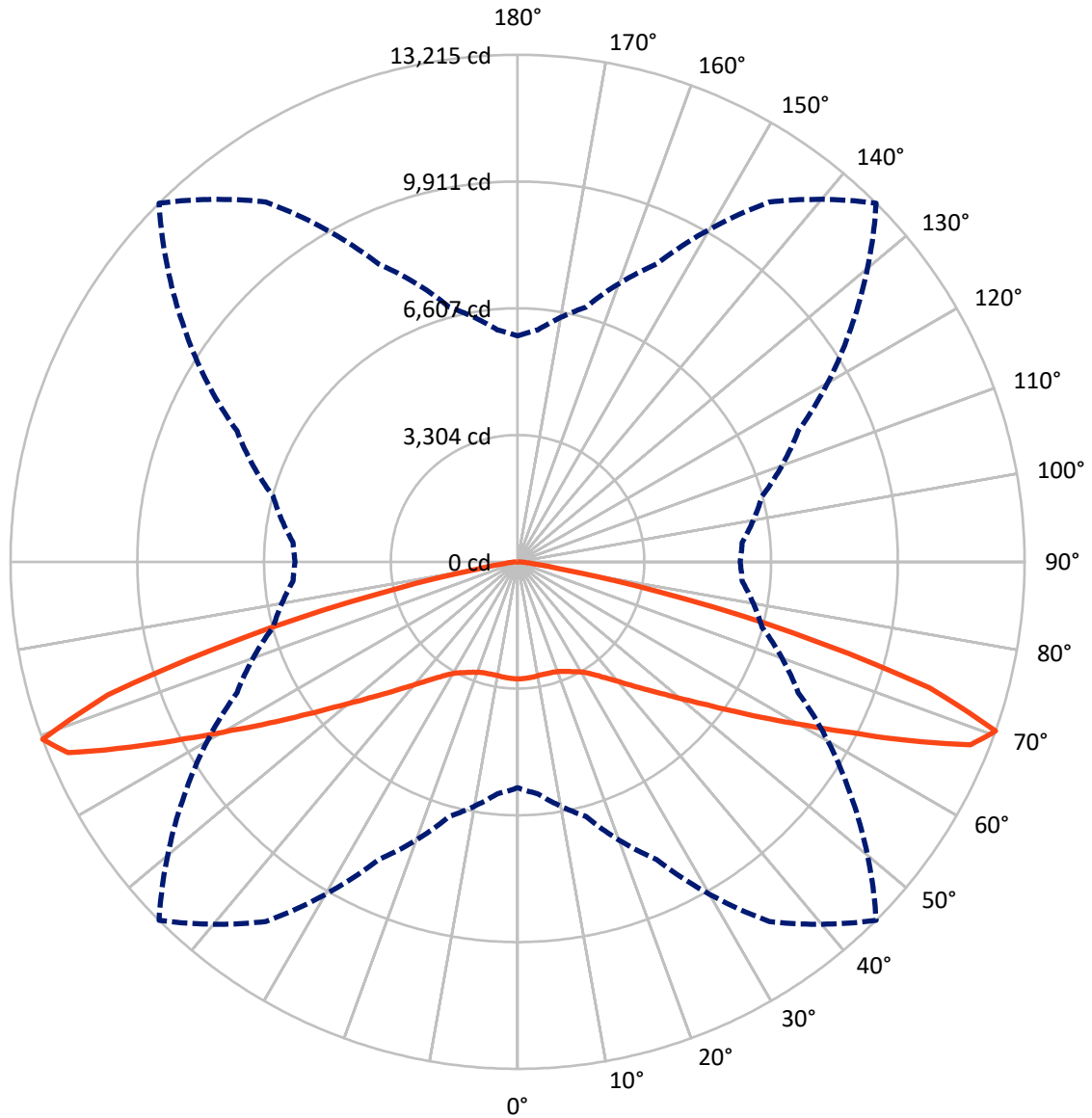
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13975.1	0.0	13975.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13975.1	0.0	13975.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	27950.1	0.0	27950.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	289.1	1.0
10°-20°	848.8	3.0
20°-30°	1444.9	5.2
30°-40°	2291.5	8.2
40°-50°	3729.0	13.3
50°-60°	6148.5	22.0
60°-70°	9026.2	32.3
70°-80°	3991.4	14.3
80°-90°	180.7	0.6
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°	27950.1	100.0
0°-180°	27950.1	100.0

Coefficient of Utilization



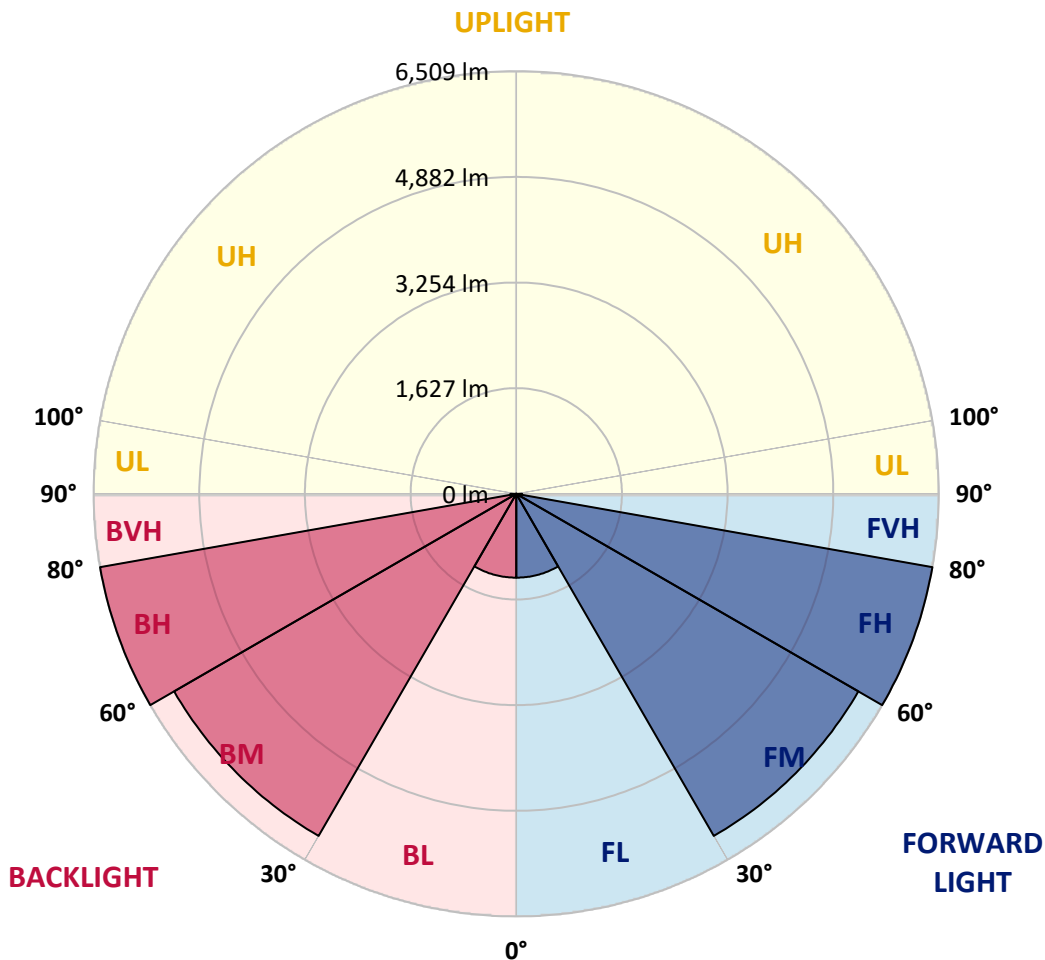
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1291.4	4.6			
FM (30°-60°)	6084.5	21.8			
FH (60°-80°)	6508.8	23.3			G3/7500
FVH (80°-90°)	90.4	0.3			G1/100
BL (0°-30°)	1291.4	4.6	B3/2500		
BM (30°-60°)	6084.5	21.8	B4/8500		
BH (60°-80°)	6508.8	23.3	B5		G3/7500
BVH (80°-90°)	90.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6	3052.6
2.5°	3047.9	3045.2	3051.7	3050.7	3045.2	3046.2	3046.2	3048.9	3048.9	3047.0	3047.0
5°	3036.8	3035.0	3042.4	3042.4	3036.8	3038.7	3040.6	3043.4	3042.4	3040.6	3039.6
7.5°	3023.0	3022.0	3029.5	3029.5	3025.8	3027.6	3025.8	3026.7	3024.8	3023.0	3020.2
10°	2999.9	3001.7	3008.2	3010.0	3010.0	3010.9	3009.1	3004.5	3001.7	2998.9	2996.1
12.5°	2978.6	2977.7	2986.9	2991.6	2998.9	3007.2	3001.7	2988.8	2983.2	2977.7	2975.8
15°	2964.7	2965.7	2974.9	2983.2	2996.1	3013.7	3007.2	2986.9	2975.8	2969.3	2967.4
17.5°	2961.9	2963.8	2975.8	2990.6	3004.5	3023.9	3020.2	2999.9	2981.3	2969.3	2966.6
20°	2968.4	2969.3	2987.8	3009.1	3033.2	3051.7	3043.4	3021.1	2996.1	2977.7	2973.0
22.5°	2980.4	2984.1	3007.2	3040.6	3077.6	3102.5	3092.4	3054.5	3015.6	2992.5	2986.0
25°	3018.4	3019.3	3050.7	3096.1	3140.4	3169.1	3157.1	3103.5	3053.5	3027.6	3019.3
27.5°	3097.0	3099.7	3131.2	3183.9	3221.9	3240.4	3232.9	3189.5	3147.0	3119.2	3122.0
30°	3210.8	3214.5	3249.6	3307.9	3331.0	3335.7	3333.8	3313.4	3274.6	3237.6	3240.4
32.5°	3349.6	3351.3	3398.6	3451.3	3469.7	3473.5	3469.7	3451.3	3405.0	3355.1	3357.9
35°	3528.1	3533.6	3578.9	3629.8	3644.6	3652.0	3645.5	3621.5	3573.4	3524.3	3522.5
37.5°	3748.2	3749.1	3796.3	3849.1	3867.5	3869.4	3862.0	3846.3	3786.2	3741.7	3739.0
40°	4003.5	4007.2	4062.8	4119.1	4126.6	4118.2	4128.4	4119.1	4057.2	4006.3	4014.6
42.5°	4314.4	4322.7	4389.3	4444.8	4423.5	4418.9	4425.3	4428.1	4378.2	4316.1	4310.6
45°	4676.0	4683.4	4766.6	4811.1	4797.2	4766.6	4779.6	4801.8	4732.4	4655.7	4663.0
47.5°	5088.6	5107.1	5195.9	5237.5	5203.3	5161.6	5186.7	5219.9	5138.5	5043.2	5038.6
50°	5547.4	5570.6	5689.0	5747.2	5713.0	5636.2	5677.8	5700.0	5582.6	5459.5	5449.4
52.5°	6036.7	6059.9	6208.8	6329.0	6306.9	6187.5	6245.7	6222.6	6087.6	5922.0	5909.1
55°	6590.8	6600.1	6761.0	6955.3	6977.5	6889.6	6885.9	6848.0	6648.2	6456.6	6447.4
57.5°	7160.6	7167.1	7375.2	7604.7	7709.2	7709.2	7605.6	7525.1	7259.6	7037.7	7014.5
60°	7775.8	7798.9	8029.2	8341.0	8585.1	8657.3	8474.2	8254.9	7966.3	7695.3	7668.5
62.5°	8323.4	8350.2	8702.7	9167.0	9559.3	9822.0	9374.3	9017.2	8491.8	8057.0	8006.1
65°	8392.8	8465.0	8978.3	9819.2	10697.1	11221.5	10363.1	9483.3	8526.0	7922.0	7870.2
67.5°	7664.8	7786.9	8480.6	9789.5	11603.5	12729.3	10994.9	9217.0	7911.7	7243.9	7186.5
70°	5889.6	6067.3	6867.4	8563.0	11447.2	13214.9	10599.0	8069.0	6596.4	5877.6	5797.1
72.5°	3231.2	3304.2	4023.9	5863.7	9177.2	11229.8	8840.5	5966.5	4374.5	3559.5	3424.5
75°	1024.9	1050.8	1417.2	2399.5	5191.2	7438.1	5615.8	2928.6	1612.3	1188.7	1174.8
77.5°	455.2	457.9	512.4	700.2	1788.1	3768.6	2147.9	797.4	549.4	480.1	495.8
80°	287.7	287.7	317.3	346.9	486.5	1094.3	580.9	379.2	323.8	300.6	307.1
82.5°	137.9	152.6	206.2	222.0	267.4	368.1	297.8	247.9	216.5	161.0	149.9
85°	90.6	75.8	130.4	147.1	155.4	176.7	173.0	163.8	141.5	80.5	89.7
87.5°	40.7	38.8	67.5	61.9	58.3	44.4	66.6	82.3	79.6	39.8	39.8
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)