

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: P383075

Luminaire Tested: **GLEON-SA4B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383075
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA4B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 22150.3 lumens
Efficiency: N/A
Efficacy: 129.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

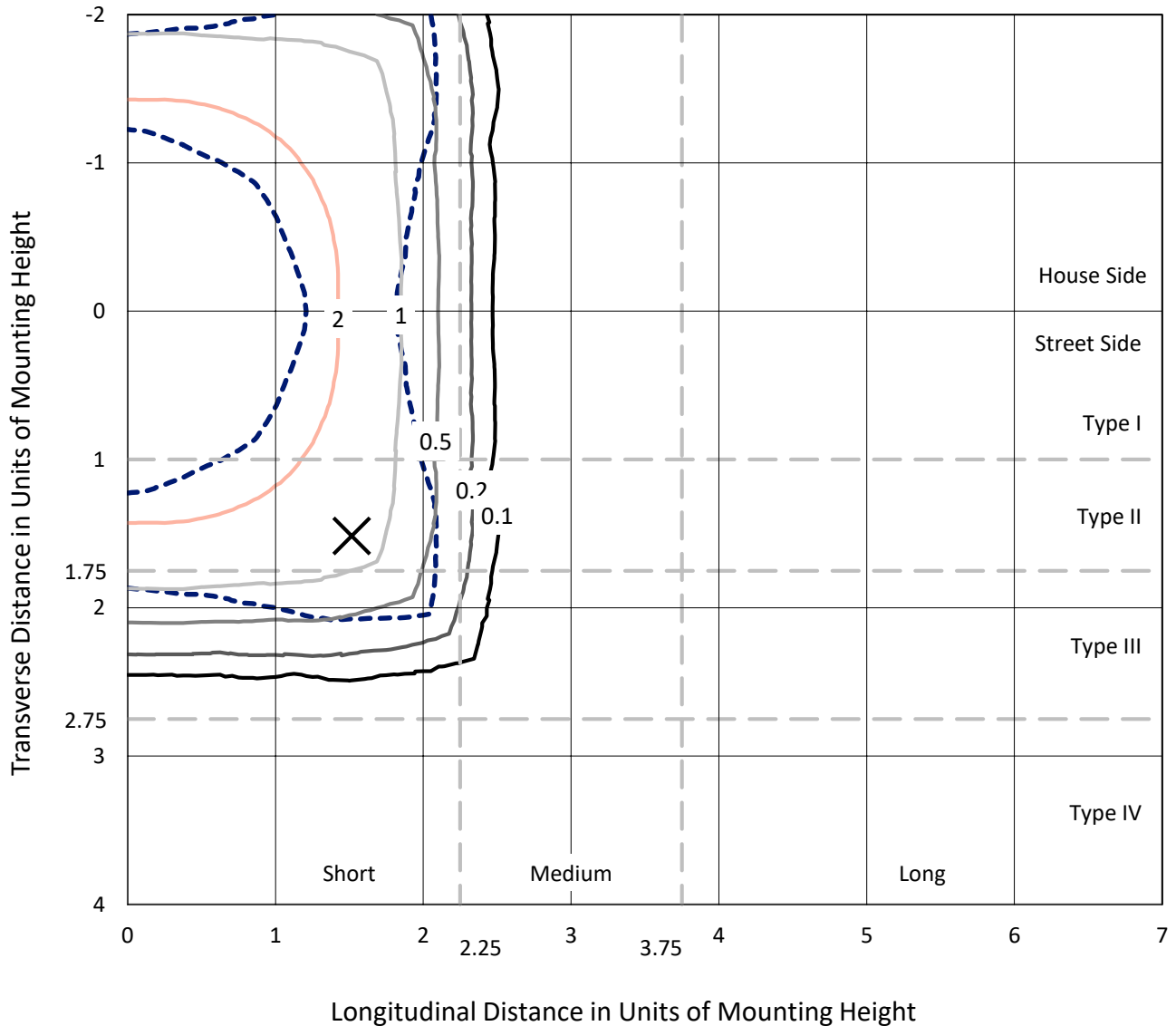
Input Watts (W): 171
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

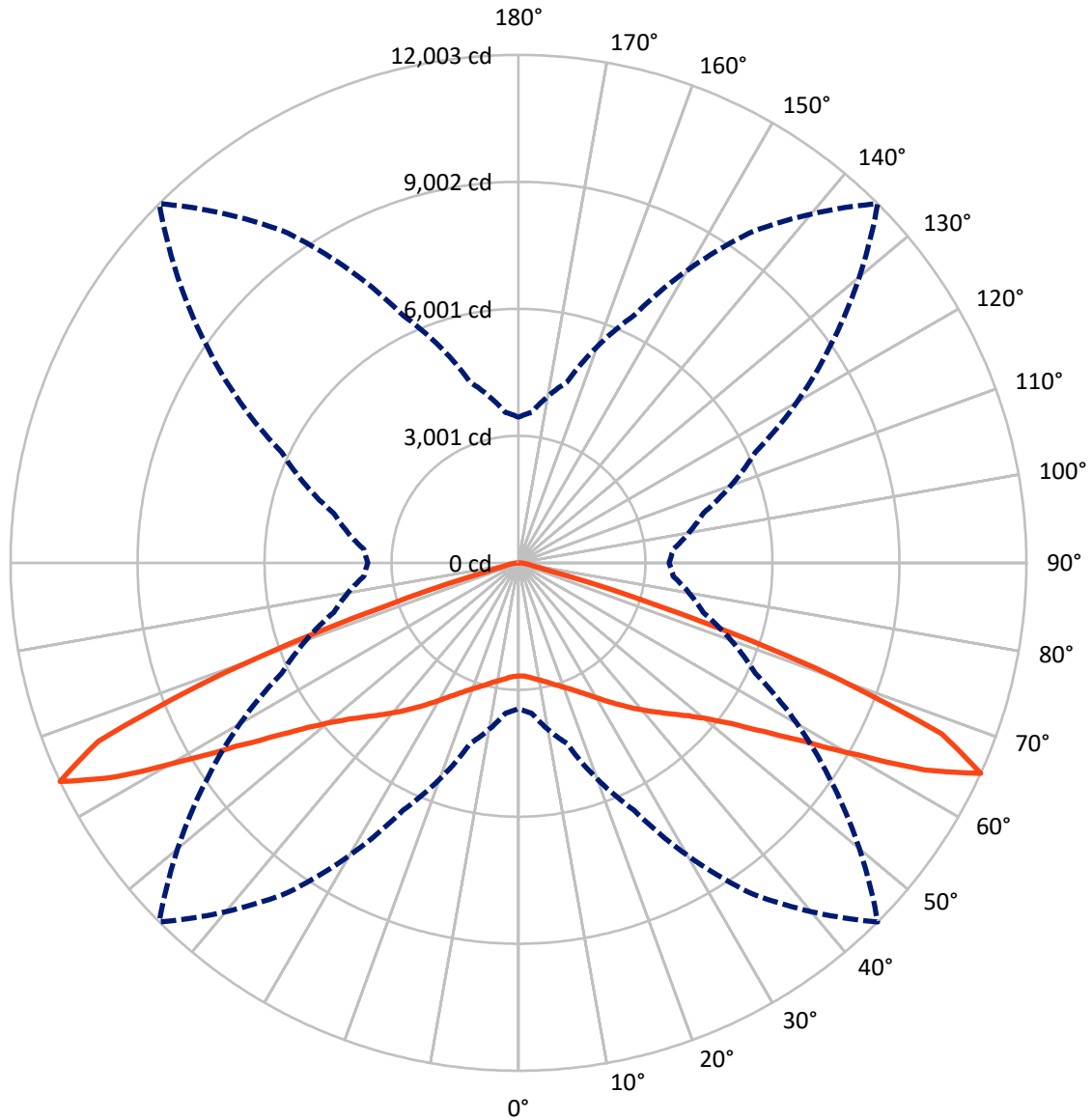
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11075.2	0.0	11075.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11075.2	0.0	11075.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	22150.3	0.0	22150.3
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	262.4	1.2
10°-20°	843.6	3.8
20°-30°	1582.7	7.1
30°-40°	2617.5	11.8
40°-50°	4054.1	18.3
50°-60°	6217.9	28.1
60°-70°	5802.0	26.2
70°-80°	675.3	3.0
80°-90°	94.9	0.4
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°	22150.3	100.0
0°-180°	22150.3	100.0



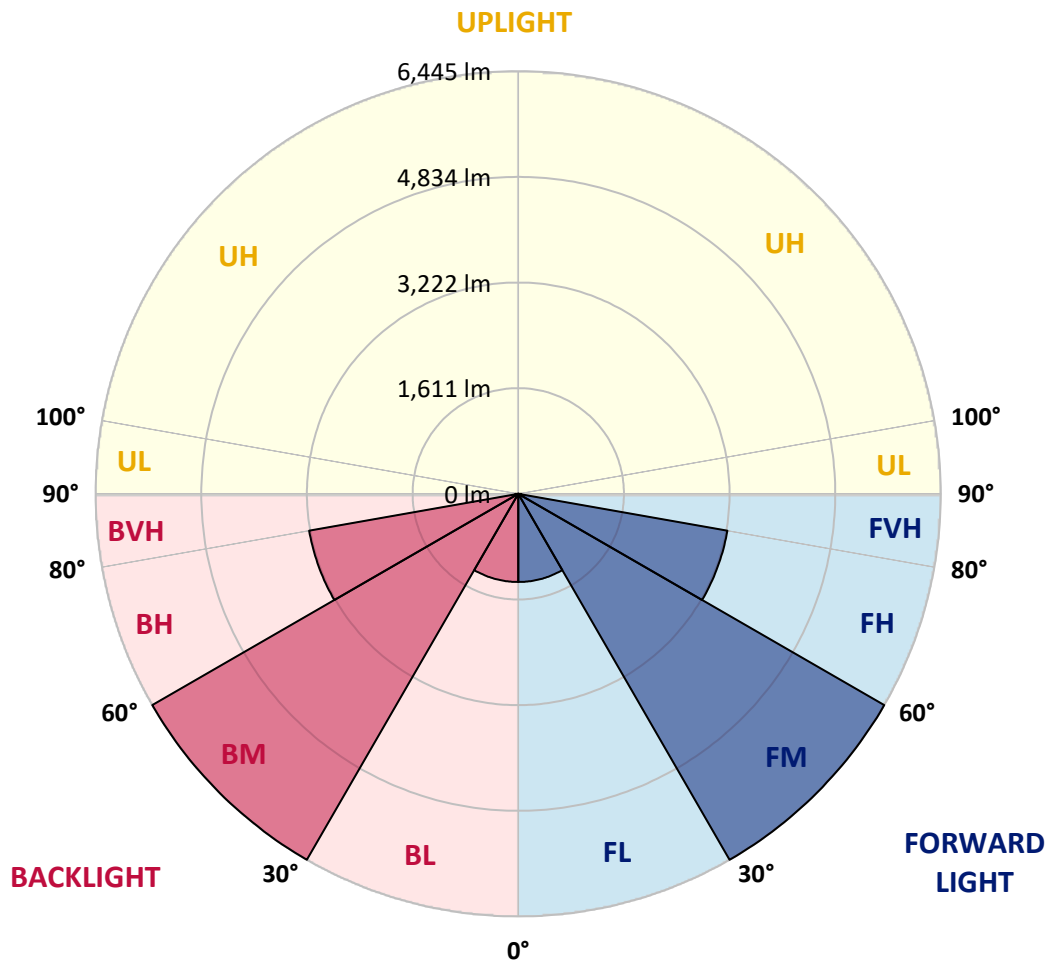
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1344.4	6.1			
FM (30°-60°)	6444.7	29.1			
FH (60°-80°)	3238.6	14.6			G2/5000
FVH (80°-90°)	47.4	0.2			G1/100
BL (0°-30°)	1344.4	6.1	B3/2500		
BM (30°-60°)	6444.7	29.1	B4/8500		
BH (60°-80°)	3238.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	47.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9	2674.9
2.5°	2683.8	2682.3	2683.8	2684.5	2680.1	2682.3	2681.6	2685.2	2686.7	2685.2	2685.2
5°	2714.6	2712.4	2715.4	2719.1	2713.1	2714.6	2712.4	2716.9	2718.3	2715.4	2717.6
7.5°	2757.3	2758.0	2760.9	2767.5	2763.9	2766.9	2762.4	2763.2	2762.4	2758.0	2758.8
10°	2803.6	2804.3	2809.5	2818.3	2819.8	2819.8	2816.8	2814.7	2811.7	2808.7	2809.5
12.5°	2859.5	2863.2	2866.8	2877.8	2877.8	2883.8	2882.3	2876.4	2871.2	2866.8	2866.8
15°	2935.2	2934.5	2938.9	2949.9	2955.1	2964.7	2964.7	2956.5	2949.9	2945.6	2944.1
17.5°	3014.7	3016.8	3019.8	3033.0	3041.1	3052.1	3053.6	3047.0	3042.5	3036.7	3033.0
20°	3107.3	3111.0	3122.7	3127.9	3135.2	3145.6	3149.2	3147.7	3143.3	3140.3	3141.1
22.5°	3215.3	3224.9	3232.3	3239.6	3248.5	3255.8	3259.5	3264.6	3260.2	3258.0	3256.5
25°	3346.2	3352.8	3367.5	3380.8	3386.6	3388.9	3393.3	3400.6	3400.0	3394.7	3394.7
27.5°	3494.8	3507.3	3525.6	3544.7	3544.7	3537.5	3552.1	3564.7	3560.2	3553.6	3544.7
30°	3675.0	3686.7	3708.0	3734.5	3721.3	3716.1	3736.0	3758.7	3752.1	3741.1	3739.6
32.5°	3869.0	3880.1	3908.0	3936.6	3919.8	3912.4	3933.7	3966.8	3955.1	3933.0	3919.8
35°	4079.3	4090.3	4130.0	4164.6	4135.9	4123.4	4141.1	4177.1	4156.5	4115.3	4105.1
37.5°	4307.9	4313.9	4365.3	4400.6	4380.8	4347.7	4369.7	4396.3	4378.6	4328.5	4308.7
40°	4545.5	4566.8	4626.3	4667.5	4633.0	4580.8	4617.5	4654.3	4627.8	4563.8	4530.0
42.5°	4822.7	4838.8	4918.3	4955.0	4899.1	4825.6	4875.6	4925.7	4899.1	4837.3	4808.0
45°	5110.9	5135.9	5230.7	5267.5	5186.7	5093.2	5154.3	5241.8	5239.6	5150.6	5119.7
47.5°	5424.9	5449.8	5563.1	5611.6	5524.2	5399.2	5485.1	5608.7	5599.9	5502.1	5477.0
50°	5787.3	5813.8	5955.0	6016.0	5934.4	5788.8	5918.2	6027.0	6010.9	5890.3	5892.5
52.5°	6242.5	6241.0	6416.8	6522.6	6438.9	6310.1	6429.3	6535.2	6468.2	6301.4	6296.1
55°	6641.0	6665.3	6882.9	7083.7	7078.5	7029.3	7077.1	7081.4	6890.3	6668.2	6641.0
57.5°	6902.8	6949.1	7255.7	7618.9	7891.0	7956.4	7863.8	7582.9	7135.1	6780.0	6736.6
60°	6741.7	6812.3	7293.9	8034.3	8835.8	9220.4	8697.6	7826.3	6944.7	6449.8	6391.0
62.5°	5655.1	5774.1	6479.3	7833.7	9649.1	10773.3	9302.0	7435.8	6187.3	5505.7	5405.0
65°	3444.0	3569.8	4419.7	6447.6	9517.4	12002.6	9026.2	6171.9	4516.0	3668.2	3559.4
67.5°	1147.8	1184.6	1685.3	3563.9	7480.0	10784.2	7492.4	3694.8	1965.4	1302.9	1264.7
70°	449.3	452.9	534.5	1033.1	3532.2	7407.2	3897.7	1051.4	558.8	441.9	451.4
72.5°	330.1	331.6	354.4	431.6	920.6	3263.1	953.6	433.8	344.9	309.6	309.6
75°	265.4	265.4	281.6	314.7	412.5	748.5	418.4	311.0	269.9	247.0	244.1
77.5°	209.6	214.0	226.5	247.8	279.4	360.3	289.7	246.3	217.6	196.3	191.9
80°	155.8	160.3	180.9	191.2	200.7	250.0	214.0	192.6	172.1	147.1	142.6
82.5°	102.2	106.6	132.4	138.2	136.0	163.2	144.1	141.9	126.5	94.8	90.5
85°	66.9	68.4	88.2	91.9	84.6	74.2	91.9	97.1	88.2	61.8	59.5
87.5°	31.6	31.6	44.8	41.9	38.2	30.9	41.9	49.3	50.0	30.2	29.4
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)