

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: P383102

Luminaire Tested: **GLEON-SA4C-735-U-5MQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383102
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-SA4C-735-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27921.3 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

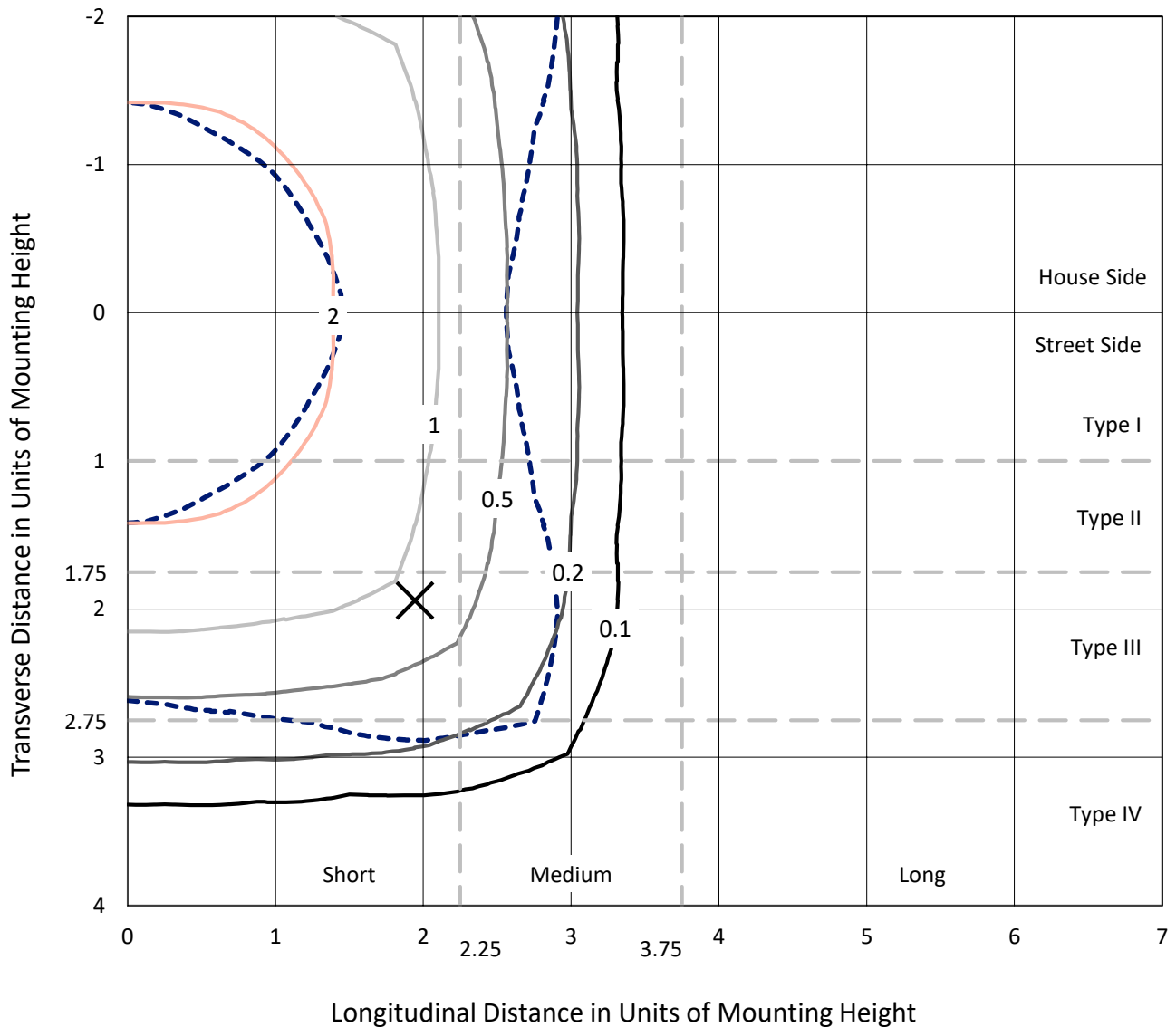
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

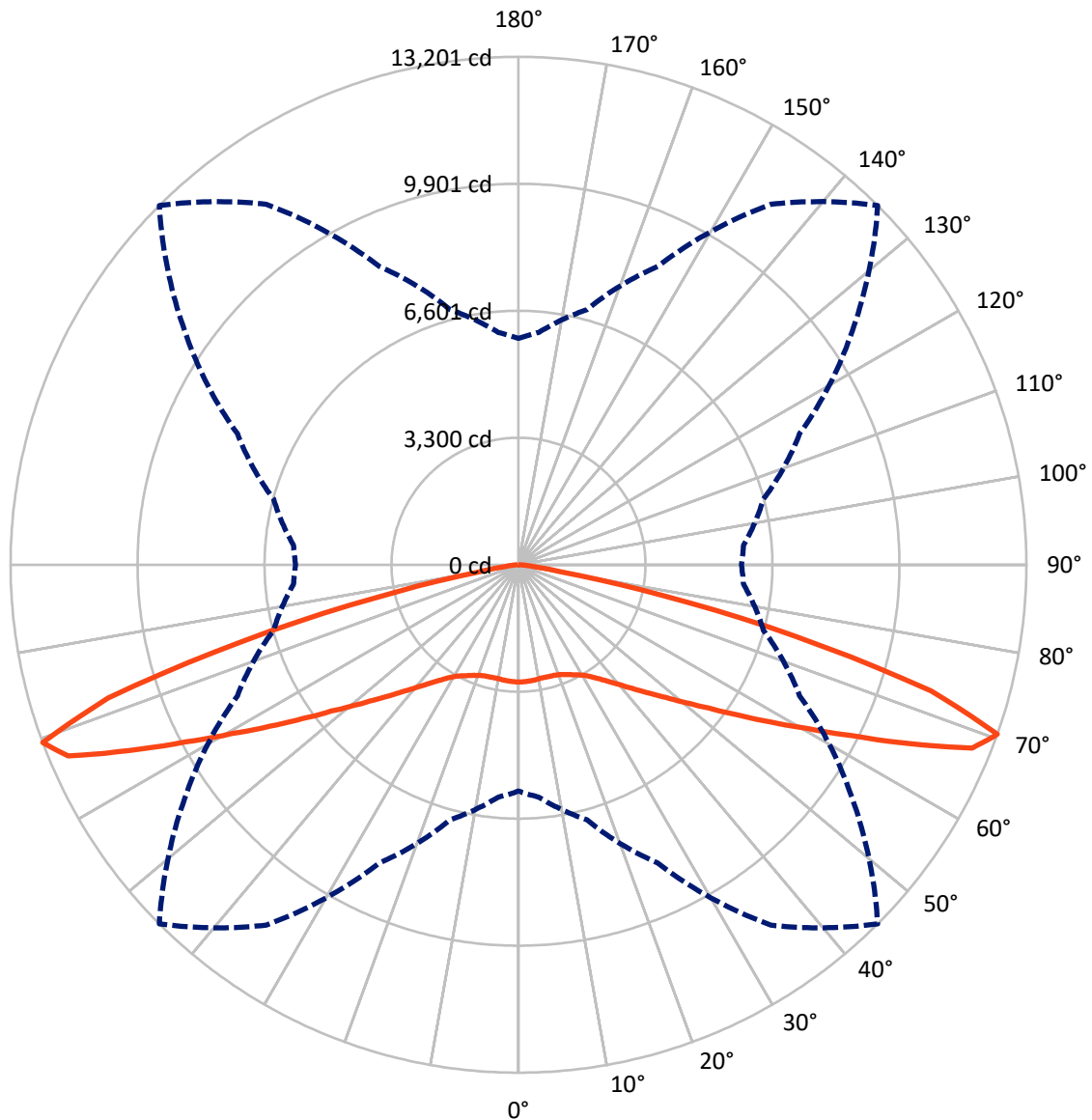
× Max cd
 - - - 1/2 Max cd



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	13960.6	0.0	13960.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13960.6	0.0	13960.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	27921.3	0.0	27921.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	288.8	1.0
10°-20°	847.9	3.0
20°-30°	1443.4	5.2
30°-40°	2289.2	8.2
40°-50°	3725.2	13.3
50°-60°	6142.2	22.0
60°-70°	9016.9	32.3
70°-80°	3987.3	14.3
80°-90°	180.6	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°	27921.3	100.0
0°-180°	27921.3	100.0

Coefficient of Utilization

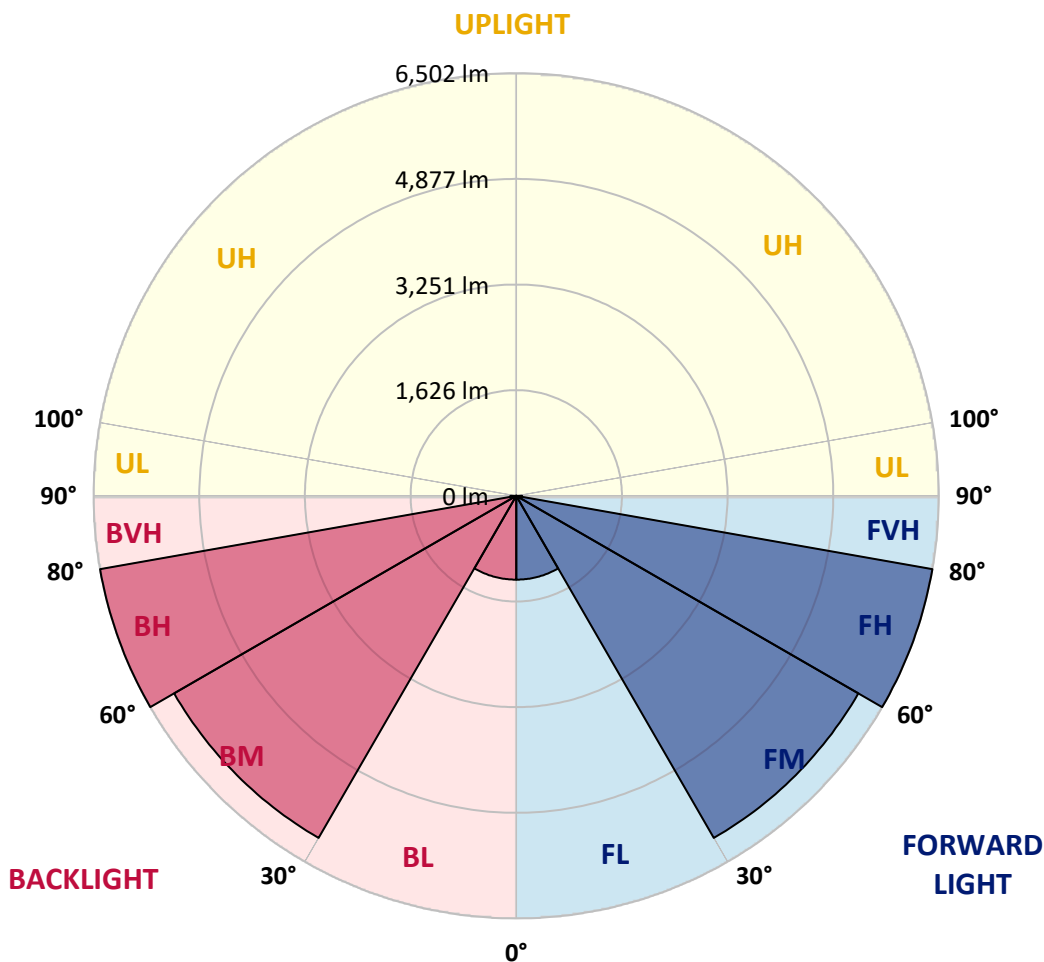


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1290.0	4.6			
FM (30°-60°)	6078.3	21.8			
FH (60°-80°)	6502.1	23.3			G3/7500
FVH (80°-90°)	90.3	0.3			G1/100
BL (0°-30°)	1290.0	4.6	B3/2500		
BM (30°-60°)	6078.3	21.8	B4/8500		
BH (60°-80°)	6502.1	23.3	B5		G3/7500
BVH (80°-90°)	90.3	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°	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4	3049.4
2.5°	3044.9	3042.1	3048.5	3047.6	3042.1	3043.0	3043.0	3045.8	3045.8	3043.9	3043.9
5°	3033.8	3031.9	3039.3	3039.3	3033.8	3035.5	3037.4	3040.2	3039.3	3037.4	3036.5
7.5°	3019.9	3019.0	3026.3	3026.3	3022.7	3024.5	3022.7	3023.5	3021.8	3019.9	3017.1
10°	2996.8	2998.7	3005.1	3006.9	3006.9	3007.9	3006.0	3001.4	2998.7	2995.9	2993.1
12.5°	2975.5	2974.6	2983.8	2988.4	2995.9	3004.1	2998.7	2985.7	2980.1	2974.6	2972.8
15°	2961.7	2962.6	2971.8	2980.1	2993.1	3010.7	3004.1	2983.8	2972.8	2966.2	2964.5
17.5°	2958.9	2960.7	2972.8	2987.6	3001.4	3020.8	3017.1	2996.8	2978.3	2966.2	2963.5
20°	2965.3	2966.2	2984.8	3006.0	3030.0	3048.5	3040.2	3018.0	2993.1	2974.6	2970.0
22.5°	2977.3	2981.0	3004.1	3037.4	3074.4	3099.4	3089.2	3051.3	3012.4	2989.3	2982.9
25°	3015.2	3016.2	3047.6	3092.8	3137.3	3165.9	3153.8	3100.3	3050.4	3024.5	3016.2
27.5°	3093.8	3096.6	3128.0	3180.7	3218.5	3237.0	3229.7	3186.2	3143.7	3115.9	3118.7
30°	3207.4	3211.1	3246.3	3304.5	3327.6	3332.2	3330.4	3310.1	3271.2	3234.2	3237.0
32.5°	3346.0	3347.9	3395.0	3447.8	3466.2	3469.9	3466.2	3447.8	3401.5	3351.6	3354.4
35°	3524.4	3529.9	3575.3	3626.0	3640.9	3648.2	3641.8	3617.8	3569.7	3520.7	3518.8
37.5°	3744.4	3745.3	3792.4	3845.1	3863.5	3865.4	3858.0	3842.3	3782.3	3737.8	3735.1
40°	3999.4	4003.0	4058.6	4114.9	4122.3	4114.0	4124.1	4114.9	4053.0	4002.1	4010.5
42.5°	4309.9	4318.2	4384.7	4440.1	4418.9	4414.3	4420.8	4423.5	4373.6	4311.8	4306.2
45°	4671.2	4678.6	4761.7	4806.1	4792.3	4761.7	4774.6	4796.8	4727.5	4650.8	4658.2
47.5°	5083.4	5101.8	5190.5	5232.1	5197.9	5156.3	5181.3	5214.5	5133.2	5038.0	5033.4
50°	5541.7	5564.8	5683.0	5741.2	5707.0	5630.4	5671.9	5694.2	5576.8	5453.8	5443.7
52.5°	6030.5	6053.6	6202.3	6322.5	6300.3	6181.1	6239.3	6216.2	6081.3	5915.9	5902.9
55°	6584.0	6593.2	6754.0	6948.1	6970.3	6882.5	6878.8	6840.9	6641.3	6450.0	6440.8
57.5°	7153.3	7159.7	7367.6	7596.8	7701.2	7701.2	7597.7	7517.3	7252.1	7030.3	7007.2
60°	7767.7	7790.8	8020.9	8332.3	8576.3	8648.4	8465.4	8246.4	7958.1	7687.3	7660.6
62.5°	8314.8	8341.6	8693.7	9157.6	9549.4	9811.8	9364.6	9007.9	8483.0	8048.7	7997.8
65°	8384.1	8456.2	8969.0	9809.0	10686.0	11210.0	10352.4	9473.6	8517.1	7913.8	7862.0
67.5°	7656.9	7778.8	8471.9	9779.5	11591.5	12716.2	10983.5	9207.4	7903.6	7236.4	7179.2
70°	5883.6	6061.0	6860.3	8554.1	11435.4	13201.3	10588.1	8060.7	6589.6	5871.5	5791.2
72.5°	3227.8	3300.8	4019.7	5857.7	9167.7	11218.3	8831.4	5960.2	4370.0	3555.8	3420.9
75°	1023.9	1049.8	1415.7	2397.1	5185.9	7430.5	5610.1	2925.6	1610.6	1187.4	1173.6
77.5°	454.7	457.4	512.0	699.5	1786.2	3764.7	2145.7	796.6	548.9	479.6	495.3
80°	287.4	287.4	316.9	346.5	486.1	1093.2	580.4	378.9	323.4	300.3	306.8
82.5°	137.7	152.5	206.1	221.8	267.1	367.8	297.5	247.6	216.2	160.8	149.7
85°	90.5	75.7	130.3	146.9	155.3	176.5	172.8	163.6	141.4	80.4	89.6
87.5°	40.6	38.8	67.4	61.9	58.2	44.3	66.5	82.3	79.5	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)