

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: P316922

Luminaire Tested: **GLEON-SA8B-827-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316922
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-SA8B-827-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 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: 34728 lumens
Efficiency: N/A
Efficacy: 104.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

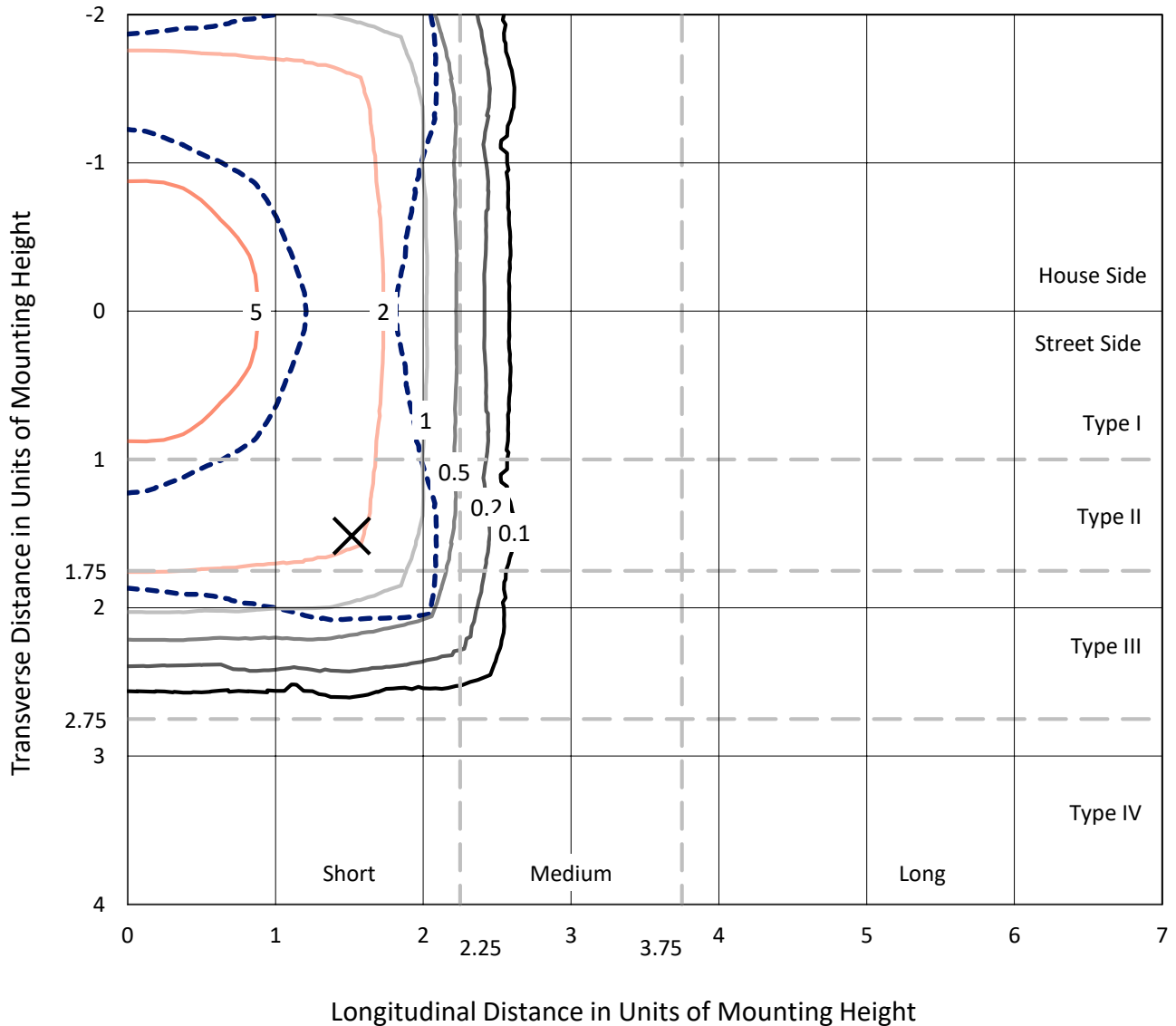
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

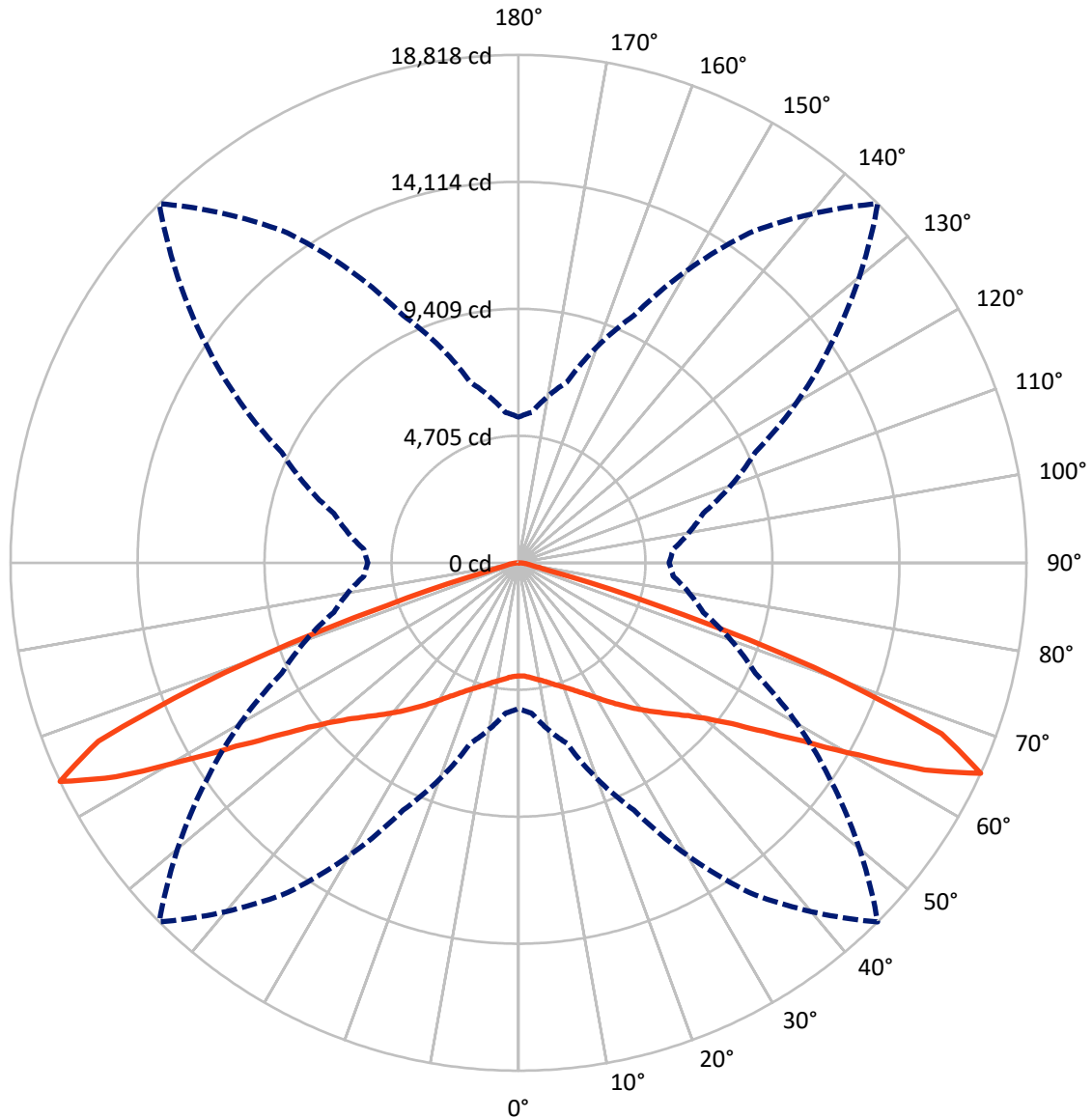
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 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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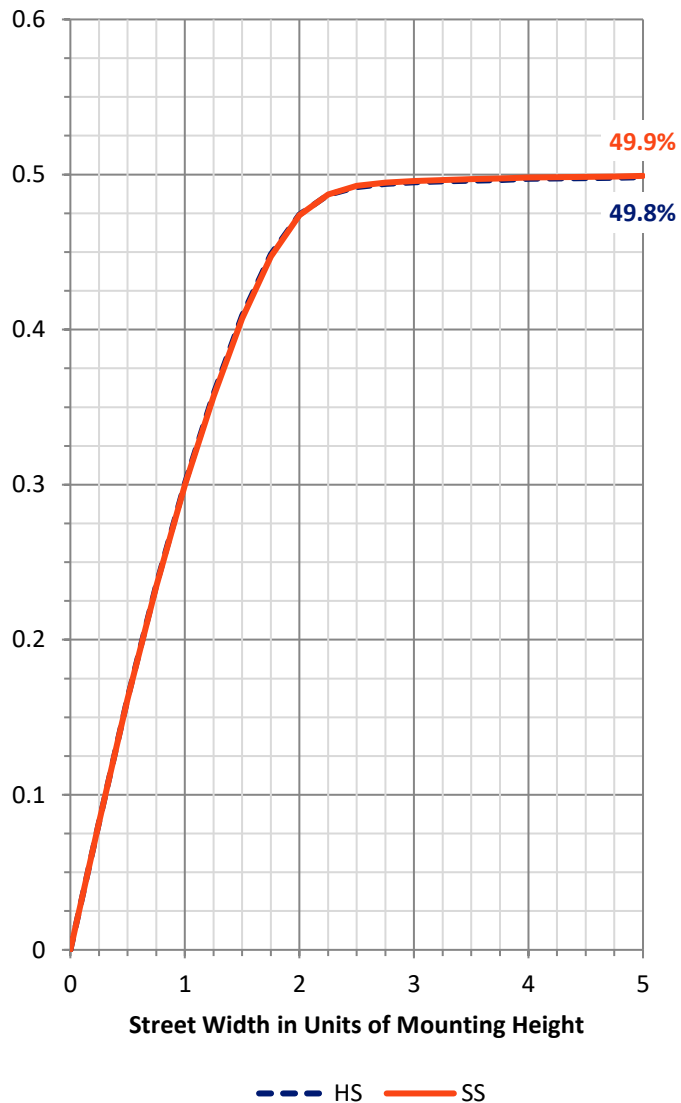
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17364.0	0.0	17364.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17364.0	0.0	17364.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34728.0	0.0	34728.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	411.5	1.2
10°-20°	1322.6	3.8
20°-30°	2481.4	7.1
30°-40°	4103.8	11.8
40°-50°	6356.2	18.3
50°-60°	9748.6	28.1
60°-70°	9096.5	26.2
70°-80°	1058.7	3.0
80°-90°	148.8	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°	34728.0	100.0
0°-180°	34728.0	100.0

Coefficient of Utilization

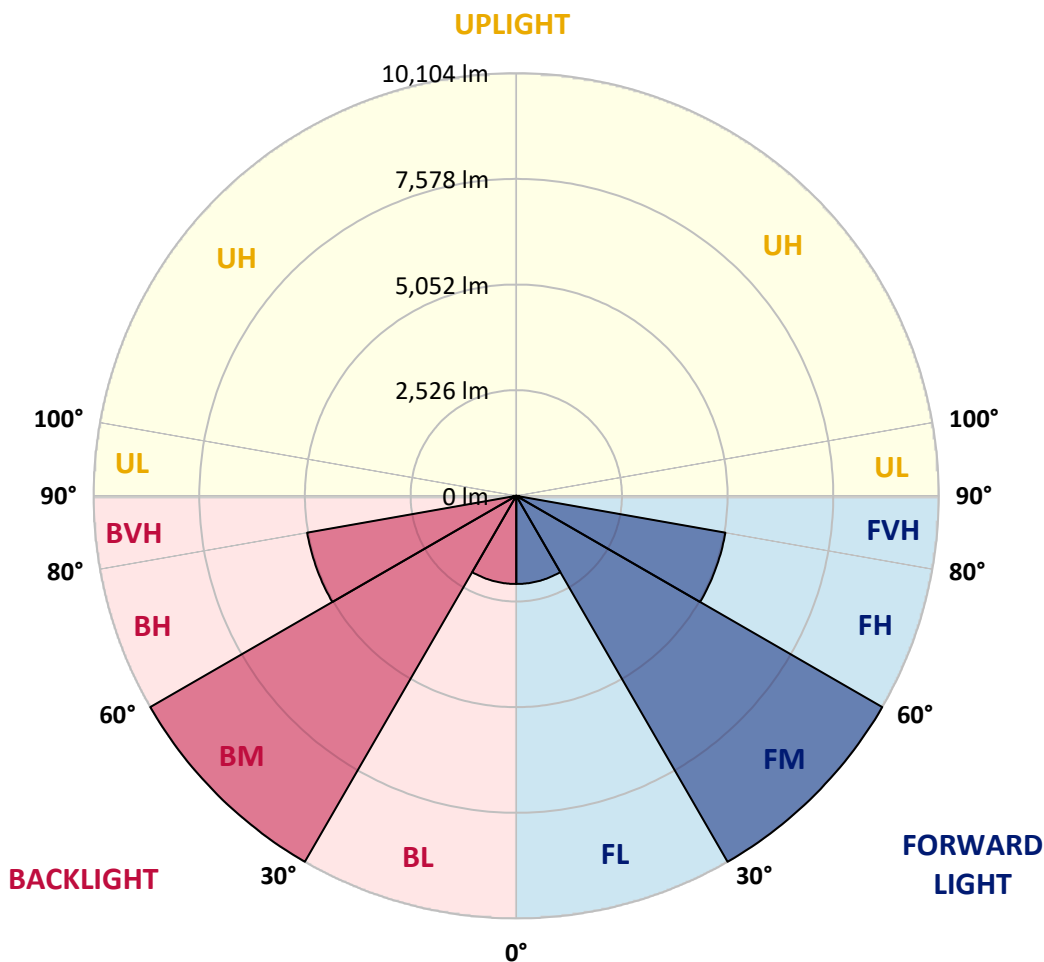


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2107.7	6.1			
FM (30°-60°)	10104.3	29.1			
FH (60°-80°)	5077.6	14.6			G3/7500
FVH (80°-90°)	74.4	0.2			G1/100
BL (0°-30°)	2107.7	6.1	B3/2500		
BM (30°-60°)	10104.3	29.1	B5		
BH (60°-80°)	5077.6	14.6	B5		G3/7500
BVH (80°-90°)	74.4	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: 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°	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8	4193.8
2.5°	4207.7	4205.4	4207.7	4208.8	4201.9	4205.4	4204.2	4210.0	4212.3	4210.0	4210.0
5°	4256.1	4252.6	4257.2	4263.0	4253.8	4256.1	4252.6	4259.6	4261.9	4257.2	4260.7
7.5°	4323.0	4324.1	4328.7	4339.1	4333.3	4337.9	4331.0	4332.2	4331.0	4324.1	4325.3
10°	4395.6	4396.7	4404.8	4418.6	4420.9	4420.9	4416.3	4412.9	4408.3	4403.7	4404.8
12.5°	4483.2	4489.0	4494.7	4512.0	4512.0	4521.2	4518.9	4509.7	4501.6	4494.7	4494.7
15°	4601.9	4600.8	4607.7	4625.0	4633.1	4648.0	4648.0	4635.4	4625.0	4618.1	4615.8
17.5°	4726.4	4729.9	4734.5	4755.3	4767.9	4785.2	4787.5	4777.2	4770.2	4761.0	4755.3
20°	4871.7	4877.4	4895.9	4904.0	4915.5	4931.6	4937.4	4935.1	4928.2	4923.6	4924.7
22.5°	5041.1	5056.1	5067.7	5079.2	5093.0	5104.5	5110.3	5118.4	5111.5	5108.0	5105.7
25°	5246.3	5256.7	5279.8	5300.5	5309.7	5313.2	5320.1	5331.6	5330.5	5322.4	5322.4
27.5°	5479.2	5498.8	5527.6	5557.6	5557.6	5546.1	5569.1	5588.7	5581.8	5571.4	5557.6
30°	5761.6	5780.1	5813.5	5855.0	5834.3	5826.2	5857.3	5893.1	5882.7	5865.4	5863.1
32.5°	6066.0	6083.3	6127.1	6172.0	6145.5	6134.0	6167.4	6219.3	6200.9	6166.3	6145.5
35°	6395.7	6413.0	6475.2	6529.4	6484.4	6464.8	6492.5	6549.0	6516.7	6452.2	6436.0
37.5°	6754.2	6763.4	6844.1	6899.4	6868.3	6816.4	6851.0	6892.5	6864.9	6786.5	6755.3
40°	7126.5	7160.0	7253.3	7317.9	7263.7	7181.9	7239.5	7297.2	7255.7	7155.4	7102.3
42.5°	7561.1	7586.5	7711.0	7768.6	7681.0	7565.8	7644.1	7722.5	7681.0	7584.2	7538.1
45°	8013.0	8052.2	8200.9	8258.6	8131.8	7985.4	8081.0	8218.2	8214.8	8075.3	8026.9
47.5°	8505.3	8544.5	8722.0	8798.1	8660.9	8464.9	8599.8	8793.5	8779.6	8626.3	8587.1
50°	9073.6	9115.1	9336.4	9432.1	9304.2	9075.9	9278.8	9449.4	9424.0	9235.0	9238.4
52.5°	9787.2	9784.9	10060.4	10226.4	10095.0	9893.2	10080.0	10246.0	10141.1	9879.4	9871.3
55°	10412.0	10450.0	10791.3	11106.0	11097.9	11020.7	11095.6	11102.5	10802.8	10454.6	10412.0
57.5°	10822.4	10895.0	11375.7	11945.2	12371.7	12474.3	12329.1	11888.7	11186.7	10629.9	10561.9
60°	10569.9	10680.6	11435.7	12596.5	13853.1	14456.0	13636.3	12270.3	10888.1	10112.3	10020.0
62.5°	8866.1	9052.9	10158.4	12281.8	15128.0	16890.7	14583.9	11658.2	9700.7	8632.1	8474.2
65°	5399.7	5596.8	6929.4	10108.8	14921.7	18818.1	14151.6	9676.5	7080.4	5751.3	5580.7
67.5°	1799.5	1857.1	2642.2	5587.6	11727.3	16908.0	11746.9	5792.8	3081.4	2042.7	1982.8
70°	704.4	710.1	838.1	1619.7	5538.0	11613.2	6110.9	1648.5	876.1	692.8	707.8
72.5°	517.6	519.9	555.6	676.7	1443.3	5116.1	1495.2	680.1	540.7	485.3	485.3
75°	416.2	416.2	441.5	493.4	646.7	1173.5	655.9	487.6	423.1	387.3	382.7
77.5°	328.5	335.5	355.1	388.5	438.1	564.9	454.2	386.2	341.2	307.8	300.9
80°	244.4	251.3	283.6	299.7	314.7	391.9	335.5	302.0	269.8	230.6	223.6
82.5°	160.2	167.2	207.5	216.7	213.3	255.9	225.9	222.5	198.3	148.7	141.8
85°	104.9	107.2	138.3	144.1	132.6	116.4	144.1	152.2	138.3	96.8	93.4
87.5°	49.6	49.6	70.3	65.7	59.9	48.4	65.7	77.2	78.4	47.3	46.1
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)