

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: P317242

Luminaire Tested: **GLEON-SA8B-827-U-RW**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317242
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-SA8B-827-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34416 lumens
Efficiency: N/A
Efficacy: 103.0 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B5 - U0 - G5

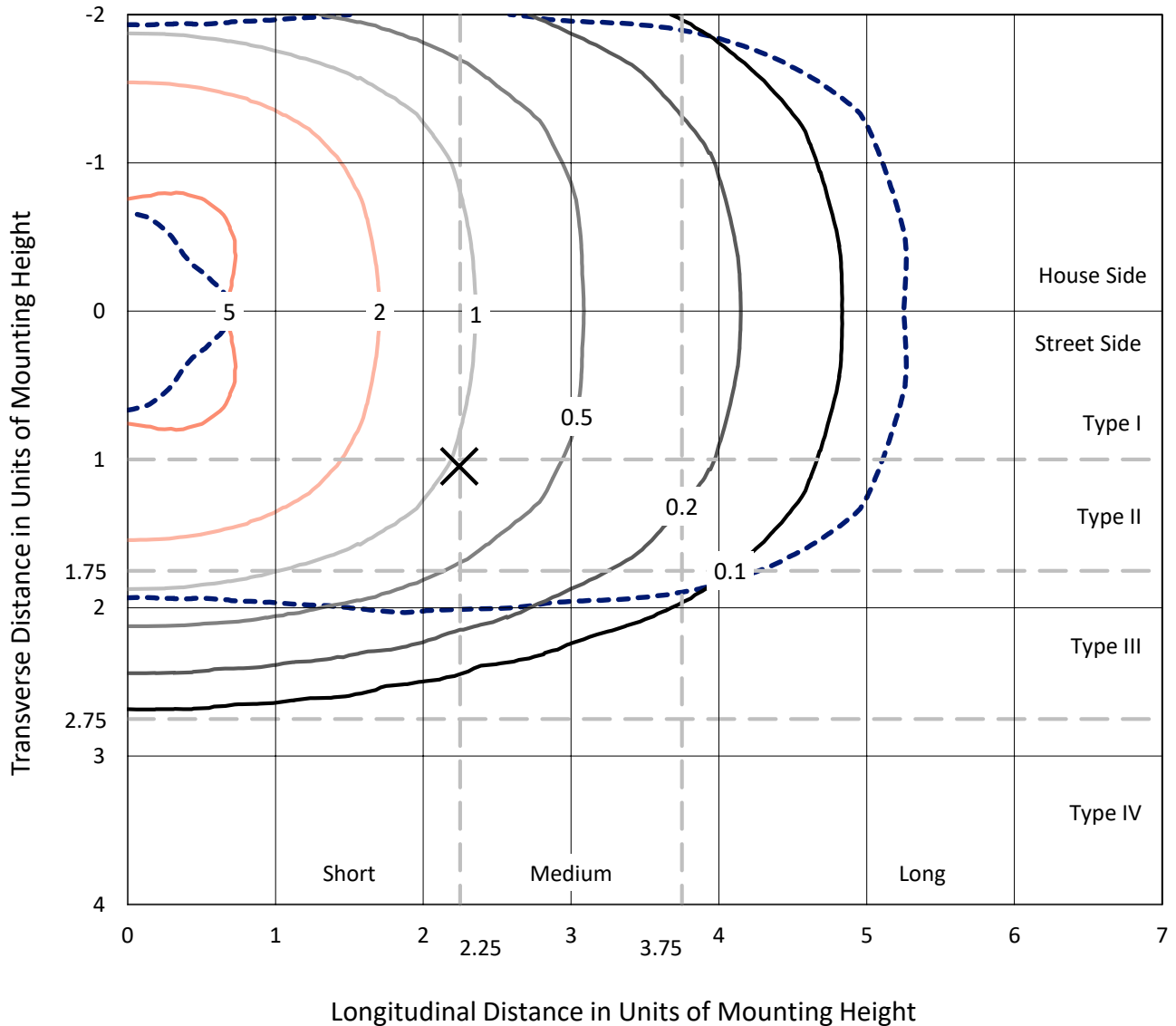
Input Watts (W): 334
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

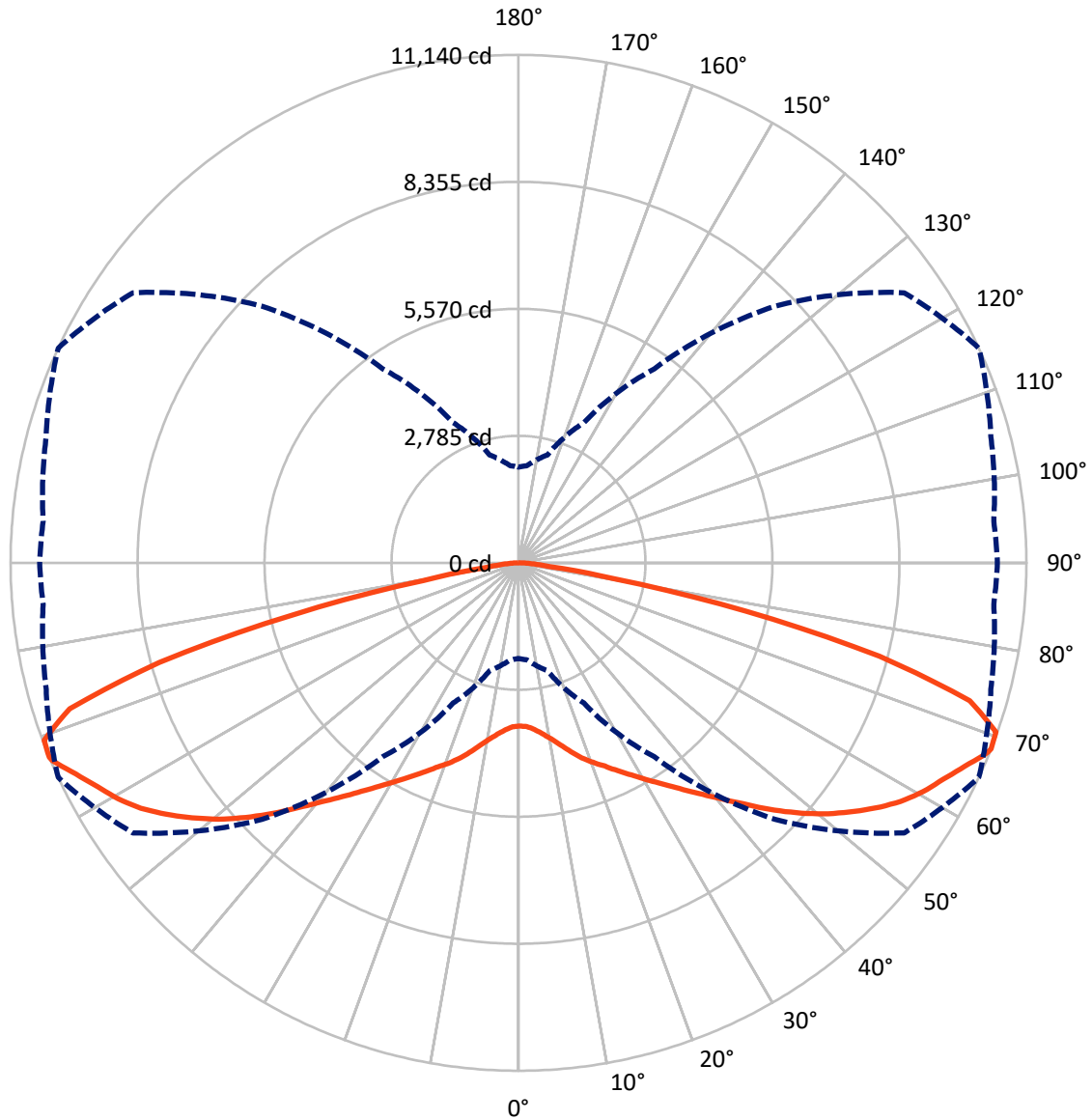
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 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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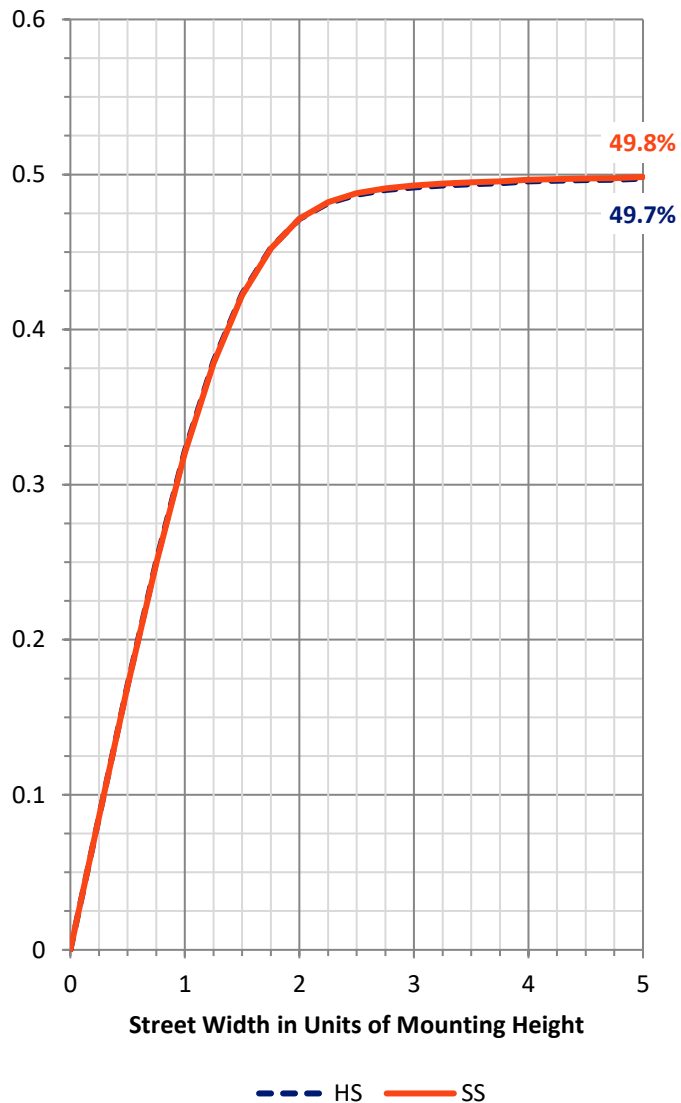
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17208.0	0.0	17208.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17208.0	0.0	17208.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	34416.0	0.0	34416.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	350.3	1.0
10°-20°	1173.1	3.4
20°-30°	2287.3	6.6
30°-40°	3842.5	11.2
40°-50°	6054.4	17.6
50°-60°	8096.8	23.5
60°-70°	7871.1	22.9
70°-80°	4302.7	12.5
80°-90°	437.6	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°	34416.0	100.0
0°-180°	34416.0	100.0

Coefficient of Utilization

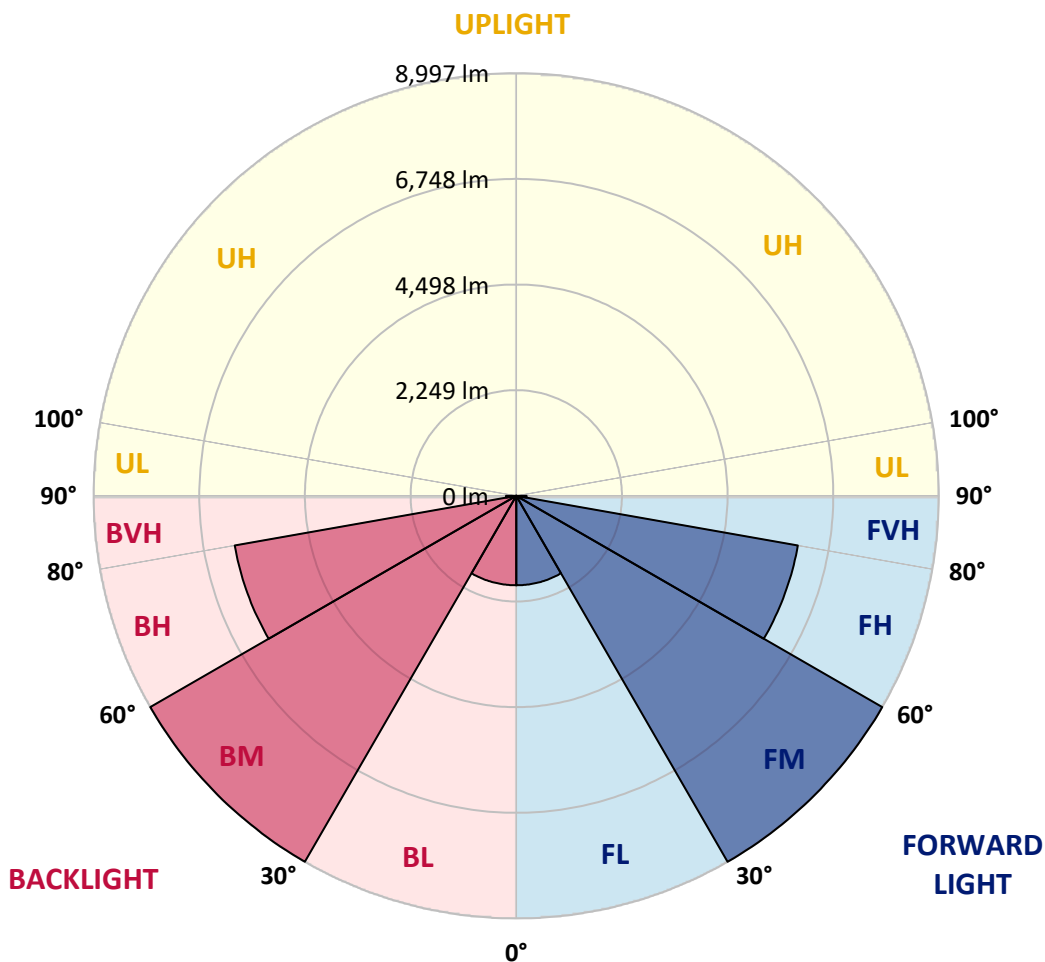


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1905.4	5.5			
FM (30°-60°)	8996.9	26.1			
FH (60°-80°)	6086.9	17.7			G3/7500
FVH (80°-90°)	218.8	0.6			G2/225
BL (0°-30°)	1905.4	5.5	B3/2500		
BM (30°-60°)	8996.9	26.1	B5		
BH (60°-80°)	6086.9	17.7	B5		G5
BVH (80°-90°)	218.8	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5	3578.5
2.5°	3553.1	3554.2	3560.0	3566.9	3572.7	3587.7	3591.1	3596.9	3599.2	3605.0	3605.0
5°	3521.9	3524.2	3538.1	3556.5	3577.3	3614.2	3640.8	3670.8	3685.8	3701.9	3700.8
7.5°	3518.4	3524.2	3543.8	3573.8	3608.5	3669.6	3725.0	3785.0	3825.4	3862.3	3860.0
10°	3554.2	3563.5	3591.1	3636.2	3688.1	3764.2	3846.2	3927.0	3997.3	4053.9	4056.2
12.5°	3608.5	3620.0	3663.8	3731.9	3810.4	3908.5	4005.4	4096.6	4193.5	4277.8	4284.7
15°	3680.0	3695.0	3760.8	3862.3	3982.3	4098.9	4202.8	4296.2	4408.2	4524.7	4536.2
17.5°	3786.2	3806.9	3893.5	4030.8	4188.9	4317.0	4425.5	4495.9	4589.3	4709.3	4731.3
20°	3947.7	3974.3	4083.9	4247.8	4440.5	4574.3	4657.4	4672.4	4718.6	4825.9	4851.3
22.5°	4157.7	4180.8	4303.1	4498.2	4714.0	4859.4	4903.2	4843.2	4838.6	4925.1	4949.4
25°	4392.0	4412.8	4554.7	4774.0	5005.9	5166.3	5165.2	5048.6	4967.8	5034.8	5060.1
27.5°	4655.1	4687.4	4823.6	5054.4	5302.5	5460.6	5451.3	5271.3	5117.8	5135.2	5157.1
30°	4957.4	4993.2	5125.9	5360.2	5608.3	5762.9	5751.4	5513.7	5282.9	5236.7	5252.9
32.5°	5332.5	5375.2	5501.0	5731.8	5951.0	6090.6	6057.2	5776.8	5481.3	5381.0	5396.0
35°	5783.7	5809.1	5941.8	6169.1	6346.8	6442.6	6372.2	6081.4	5732.9	5611.7	5611.7
37.5°	6240.7	6260.3	6409.1	6629.5	6801.5	6852.3	6714.9	6414.9	6061.8	5889.9	5893.3
40°	6679.2	6732.2	6899.6	7125.8	7295.4	7309.2	7126.9	6795.7	6427.6	6249.9	6270.7
42.5°	7137.3	7189.2	7388.9	7645.0	7795.1	7818.1	7604.6	7222.7	6840.7	6696.5	6719.6
45°	7545.8	7587.3	7818.1	8115.9	8302.8	8362.8	8110.1	7712.0	7287.3	7146.5	7152.3
47.5°	7830.8	7885.1	8138.9	8489.7	8762.1	8854.4	8606.3	8188.6	7727.0	7556.2	7571.2
50°	8089.3	8118.2	8375.5	8758.6	9104.8	9295.2	9082.9	8659.4	8171.2	7990.1	8006.2
52.5°	8233.6	8270.5	8519.7	8919.0	9328.7	9635.6	9506.4	9082.9	8600.5	8424.0	8443.6
55°	8133.2	8160.9	8459.7	8954.8	9467.2	9845.7	9865.3	9497.2	9021.7	8867.1	8922.5
57.5°	7676.2	7710.8	8075.5	8724.0	9484.5	9987.6	10135.3	9881.4	9415.2	9289.4	9321.8
60°	6961.9	6983.8	7372.7	8102.0	9147.5	10046.4	10307.2	10195.3	9800.6	9674.9	9718.7
62.5°	5689.1	5721.4	6186.4	7163.8	8435.5	9872.2	10473.4	10454.9	10159.5	10044.1	10083.4
65°	3888.9	3945.4	4460.1	5696.0	7338.1	9339.1	10624.6	10757.3	10476.9	10331.5	10383.4
67.5°	2348.3	2389.9	2762.6	3760.8	5615.2	8263.6	10468.8	11101.2	10700.7	10466.5	10509.2
68°	2099.1	2137.1	2448.7	3393.8	5194.0	7960.1	10326.9	11140.4	10725.0	10464.2	10502.3
70°	1268.2	1293.6	1502.5	2097.9	3463.1	6314.5	9358.7	11108.1	10879.6	10496.5	10518.4
72.5°	826.2	834.3	868.9	1076.7	1769.0	3531.1	7024.2	10351.1	11111.6	10684.6	10681.1
75°	686.6	682.0	685.5	709.7	872.4	1548.6	4104.7	8177.0	10592.3	10388.0	10315.3
77.5°	580.4	577.0	575.8	577.0	583.9	747.8	1781.7	5093.6	8105.5	9189.0	9253.7
80°	469.7	465.0	480.1	473.1	452.4	465.0	746.6	2118.7	3820.8	4110.4	3851.9
82.5°	341.6	324.3	388.9	370.4	353.1	327.7	412.0	684.3	911.6	625.5	439.7
85°	263.1	244.6	295.4	283.9	242.3	167.3	244.6	334.7	369.3	211.2	166.2
87.5°	107.3	113.1	213.5	168.5	141.9	80.8	100.4	133.9	180.0	90.0	69.2
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)