

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: P383299

Luminaire Tested: **GLEON-SA6B-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383299
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-SA6B-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 32842.7 lumens
Efficiency: N/A
Efficacy: 131.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

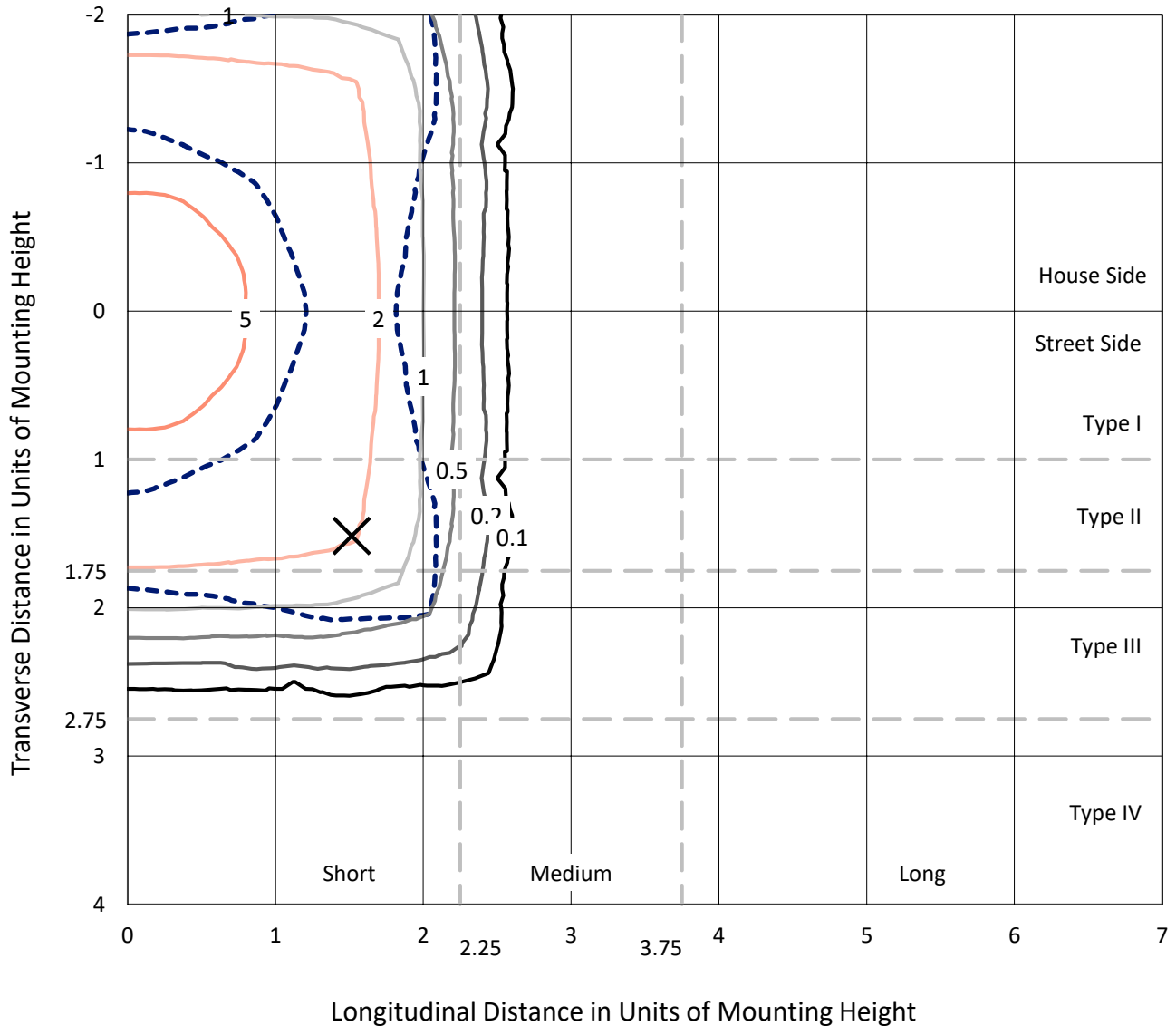
Input Watts (W): 249
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

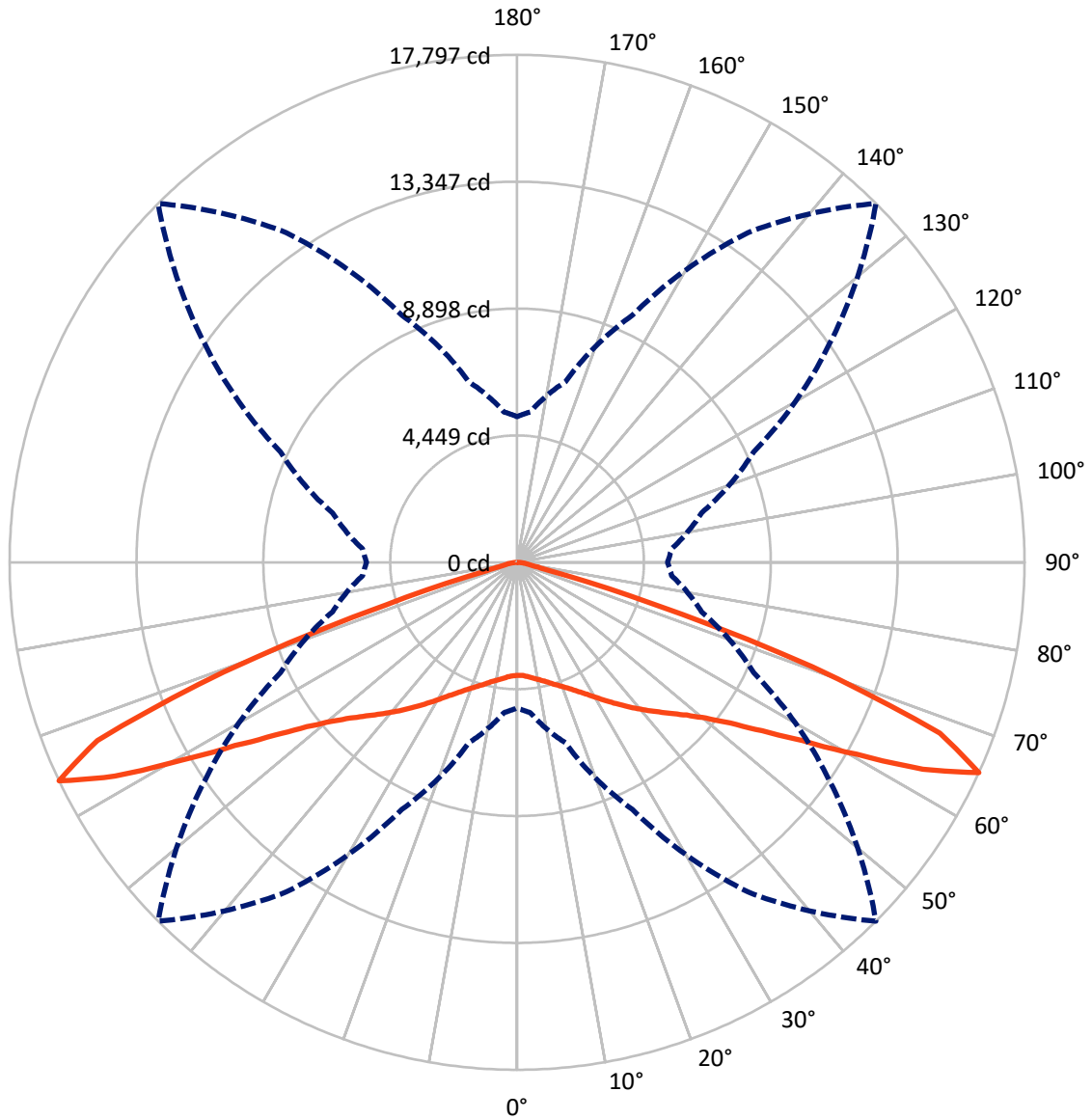
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.4 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	16421.3	0.0	16421.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16421.3	0.0	16421.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	32842.7	0.0	32842.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	389.1	1.2
10°-20°	1250.8	3.8
20°-30°	2346.7	7.1
30°-40°	3881.0	11.8
40°-50°	6011.1	18.3
50°-60°	9219.3	28.1
60°-70°	8602.7	26.2
70°-80°	1001.2	3.0
80°-90°	140.7	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°	32842.7	100.0
0°-180°	32842.7	100.0

Coefficient of Utilization



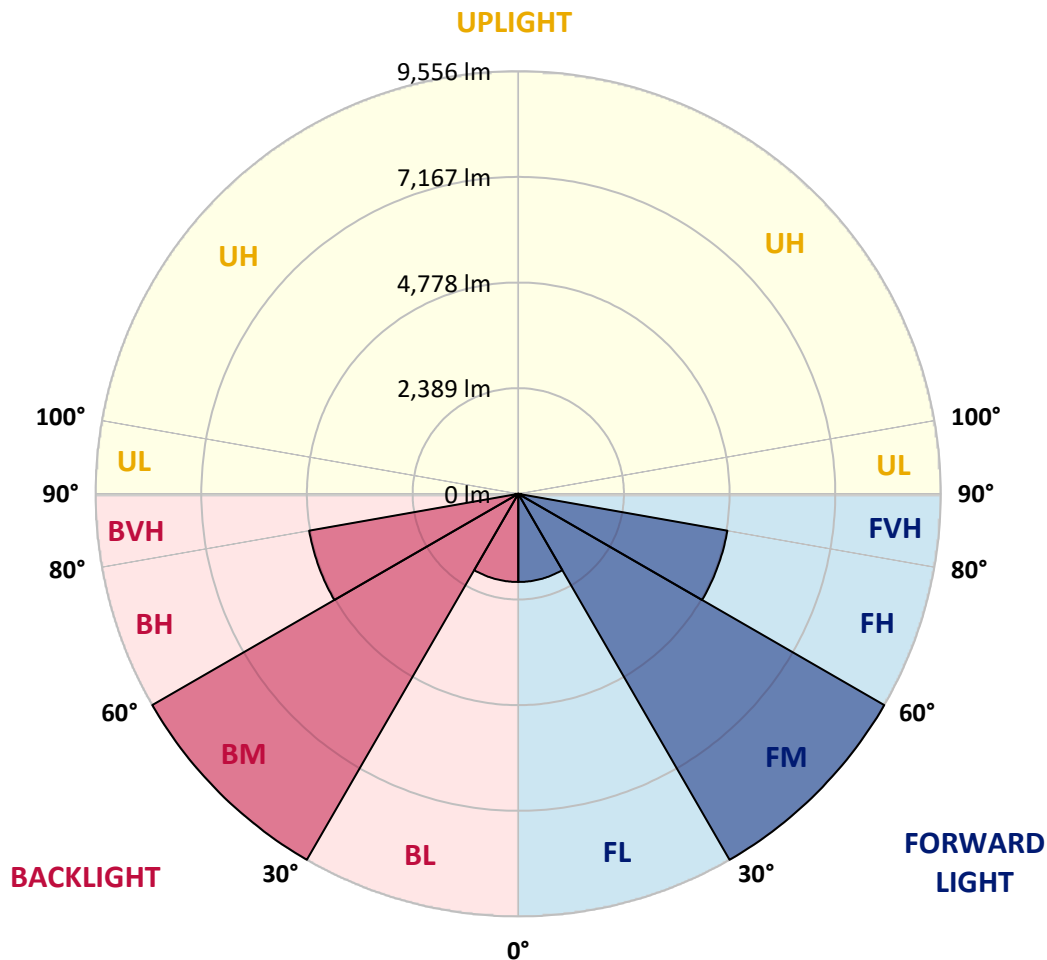
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1993.3	6.1			
FM (30°-60°)	9555.7	29.1			
FH (60°-80°)	4802.0	14.6			G2/5000
FVH (80°-90°)	70.3	0.2			G1/100
BL (0°-30°)	1993.3	6.1	B3/2500		
BM (30°-60°)	9555.7	29.1	B5		
BH (60°-80°)	4802.0	14.6	B4/5000		G2/5000
BVH (80°-90°)	70.3	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2	3966.2
2.5°	3979.3	3977.1	3979.3	3980.3	3973.8	3977.1	3975.9	3981.4	3983.6	3981.4	3981.4
5°	4025.0	4021.8	4026.1	4031.6	4022.9	4025.0	4021.8	4028.3	4030.5	4026.1	4029.4
7.5°	4088.3	4089.4	4093.7	4103.6	4098.1	4102.4	4095.9	4096.9	4095.9	4089.4	4090.4
10°	4156.9	4158.1	4165.7	4178.7	4181.0	4181.0	4176.6	4173.3	4169.0	4164.6	4165.7
12.5°	4239.8	4245.2	4250.7	4267.0	4267.0	4275.8	4273.6	4264.9	4257.3	4250.7	4250.7
15°	4352.1	4351.0	4357.6	4373.9	4381.5	4395.7	4395.7	4383.7	4373.9	4367.4	4365.1
17.5°	4469.8	4473.1	4477.5	4497.1	4509.1	4525.5	4527.6	4517.8	4511.3	4502.5	4497.1
20°	4607.2	4612.7	4630.1	4637.7	4648.6	4663.9	4669.4	4667.1	4660.6	4656.2	4657.4
22.5°	4767.5	4781.6	4792.5	4803.4	4816.6	4827.5	4832.9	4840.5	4834.0	4830.7	4828.5
25°	4961.5	4971.3	4993.1	5012.8	5021.5	5024.8	5031.3	5042.2	5041.1	5033.4	5033.4
27.5°	5181.7	5200.3	5227.6	5255.9	5255.9	5245.0	5266.8	5285.3	5278.8	5268.9	5255.9
30°	5448.8	5466.3	5497.9	5537.1	5517.6	5509.9	5539.4	5573.2	5563.3	5547.0	5544.8
32.5°	5736.7	5753.1	5794.4	5837.0	5811.9	5800.9	5832.6	5881.7	5864.2	5831.5	5811.9
35°	6048.4	6064.8	6123.7	6174.9	6132.4	6113.8	6140.0	6193.5	6162.9	6101.9	6086.6
37.5°	6387.5	6396.2	6472.6	6524.8	6495.4	6446.4	6479.1	6518.3	6492.1	6418.0	6388.6
40°	6739.7	6771.2	6859.5	6920.7	6869.4	6792.0	6846.5	6901.0	6861.8	6766.9	6716.7
42.5°	7150.7	7174.6	7292.3	7346.9	7264.0	7155.0	7229.2	7303.2	7264.0	7172.5	7128.9
45°	7578.0	7615.1	7755.7	7810.2	7690.3	7551.9	7642.3	7772.1	7768.8	7636.9	7591.1
47.5°	8043.5	8080.6	8248.5	8320.4	8190.7	8005.3	8133.0	8316.1	8303.0	8158.0	8121.0
50°	8581.0	8620.3	8829.6	8920.0	8799.0	8583.2	8775.1	8936.4	8912.4	8733.6	8736.9
52.5°	9255.9	9253.6	9514.2	9671.2	9547.0	9356.1	9532.7	9689.8	9590.6	9343.0	9335.4
55°	9846.7	9882.7	10205.4	10503.0	10495.4	10422.3	10493.2	10499.8	10216.3	9887.1	9846.7
57.5°	10234.8	10303.6	10758.2	11296.7	11700.1	11797.1	11659.7	11243.3	10579.3	10052.8	9988.4
60°	9996.1	10100.8	10814.8	11912.6	13101.0	13671.2	12896.1	11604.1	10297.0	9563.3	9476.1
62.5°	8384.8	8561.4	9606.9	11615.0	14306.8	15973.7	13792.2	11025.2	9174.1	8163.4	8014.1
65°	5106.6	5293.0	6553.3	9560.0	14111.6	17796.5	13383.4	9151.2	6696.1	5439.0	5277.7
67.5°	1701.8	1756.3	2498.8	5284.2	11090.6	15990.0	11109.2	5478.2	2914.2	1931.8	1875.1
70°	666.1	671.6	792.6	1531.7	5237.3	10982.8	5779.1	1559.0	828.5	655.3	669.4
72.5°	489.5	491.7	525.5	640.0	1364.9	4838.4	1414.0	643.2	511.3	459.0	459.0
75°	393.6	393.6	417.5	466.6	611.6	1109.8	620.3	461.1	400.1	366.3	361.9
77.5°	310.7	317.3	335.8	367.4	414.3	534.2	429.5	365.3	322.7	291.1	284.6
80°	231.1	237.6	268.2	283.5	297.6	370.7	317.3	285.6	255.2	218.1	211.5
82.5°	151.6	158.1	196.3	204.9	201.7	242.0	213.7	210.4	187.5	140.7	134.0
85°	99.2	101.4	130.8	136.3	125.4	110.1	136.3	143.9	130.8	91.6	88.3
87.5°	46.9	46.9	66.5	62.1	56.7	45.8	62.1	73.0	74.2	44.7	43.6
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)