

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: P383215

Luminaire Tested: **GLEON-SA5C-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383215
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-SA5C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33968.9 lumens
Efficiency: N/A
Efficacy: 121.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

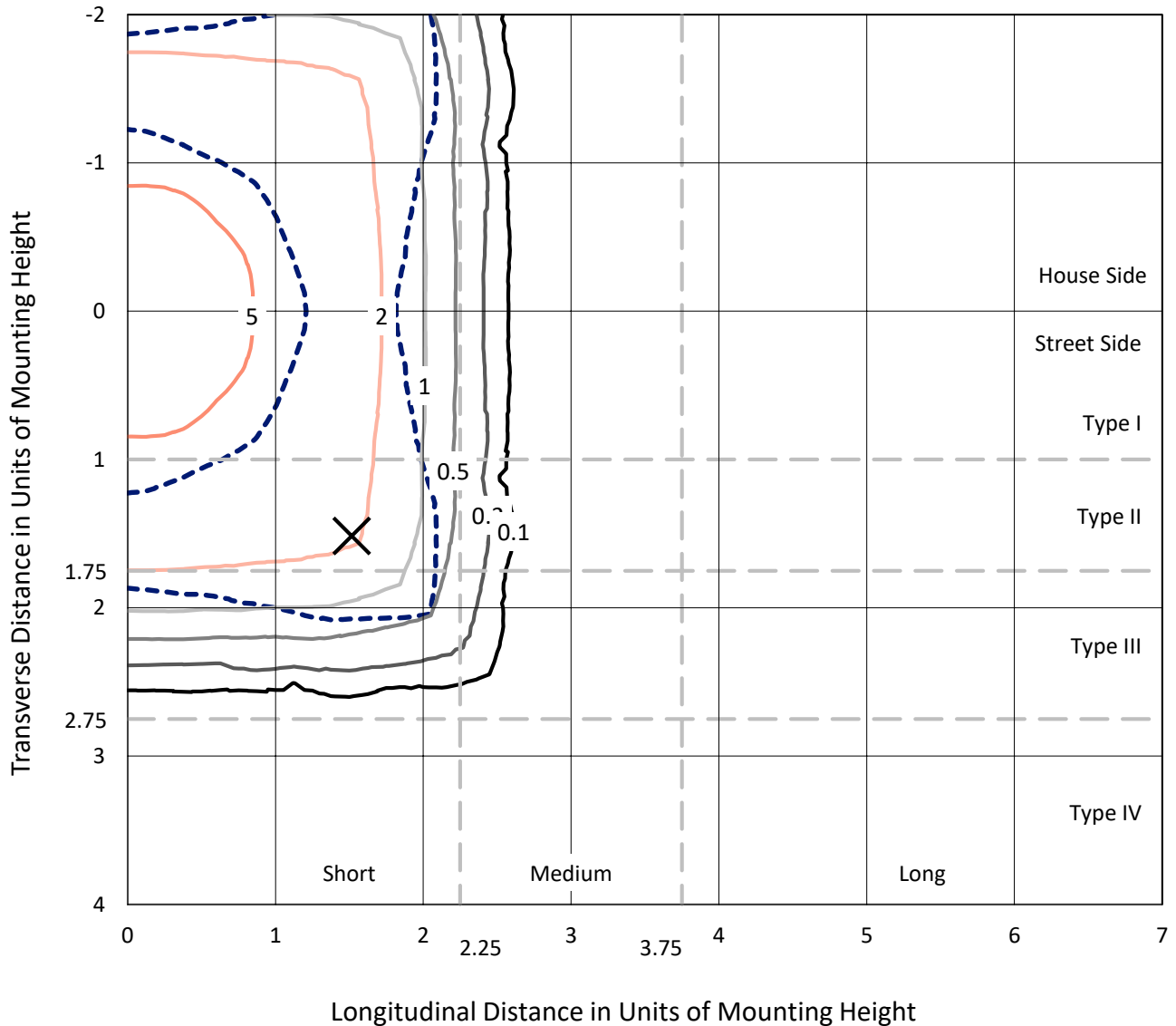
Input Watts (W): 279
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383215
 CATALOG NUMBER: GLEON-SA5C-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

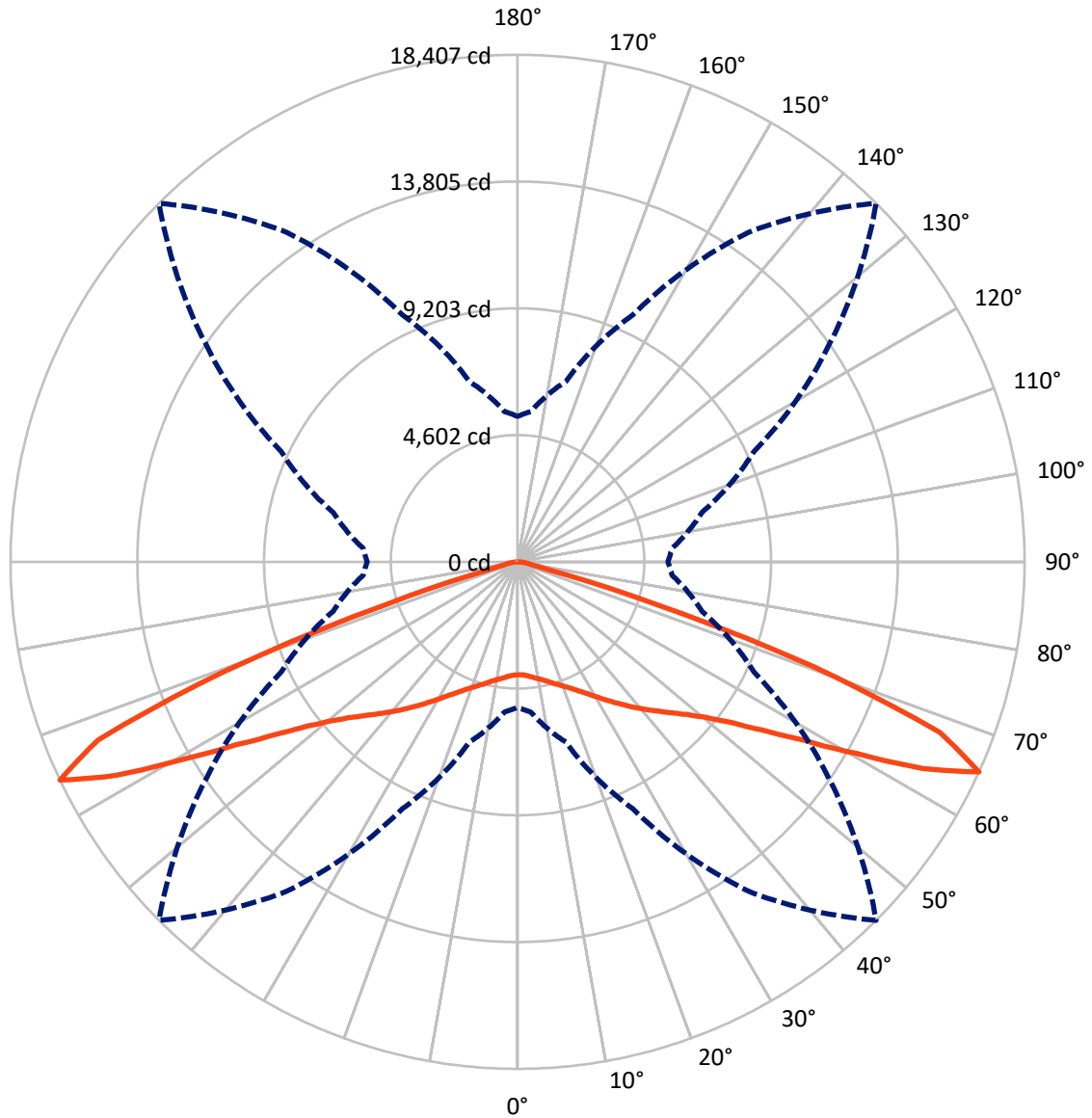
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.6 fc
 Type V - Short - N/A

REPORT NUMBER: P383215
CATALOG NUMBER: GLEON-SA5C-735-U-5NQ

Luminous Intensity Polar Plot



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

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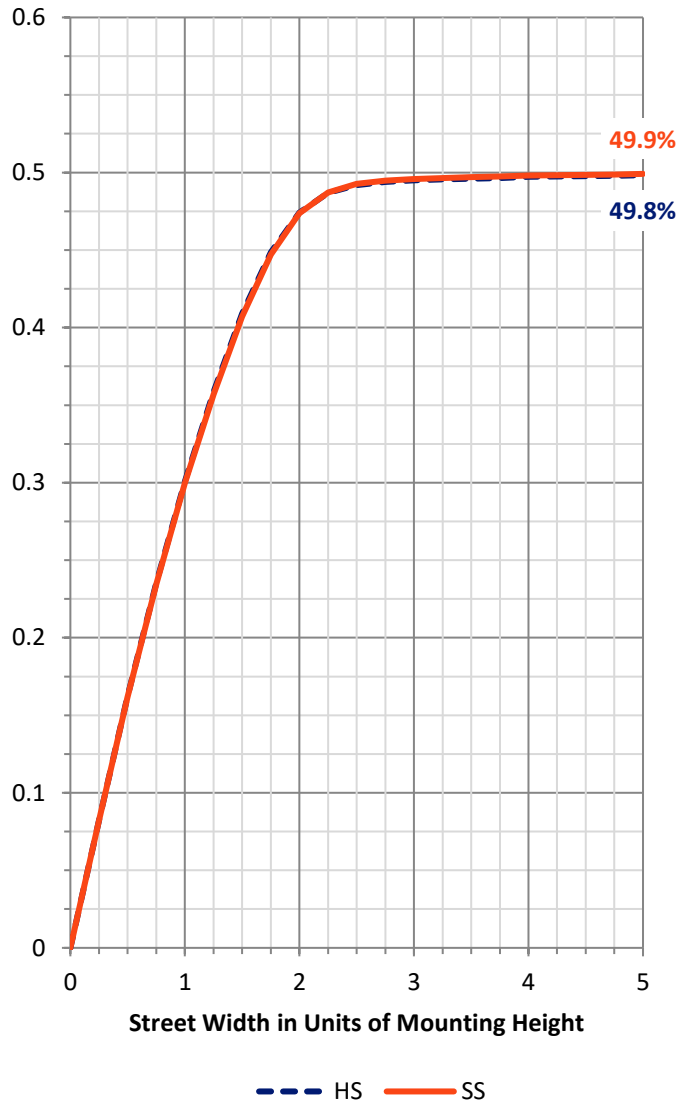
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16984.5	0.0	16984.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16984.5	0.0	16984.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33968.9	0.0	33968.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	402.5	1.2
10°-20°	1293.7	3.8
20°-30°	2427.2	7.1
30°-40°	4014.1	11.8
40°-50°	6217.2	18.3
50°-60°	9535.5	28.1
60°-70°	8897.7	26.2
70°-80°	1035.6	3.0
80°-90°	145.5	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°	33968.9	100.0
0°-180°	33968.9	100.0

Coefficient of Utilization



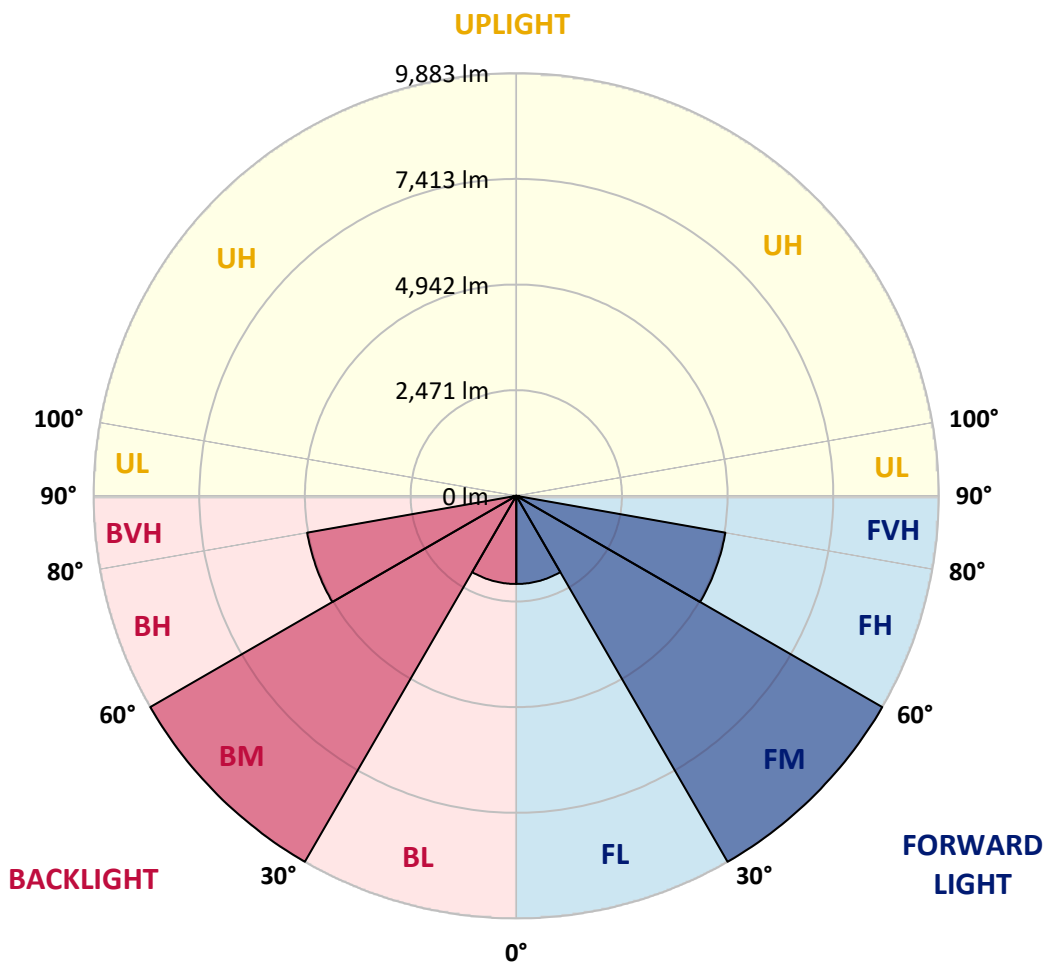
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2061.7	6.1			
FM (30°-60°)	9883.4	29.1			
FH (60°-80°)	4966.6	14.6			G2/5000
FVH (80°-90°)	72.8	0.2			G1/100
BL (0°-30°)	2061.7	6.1	B3/2500		
BM (30°-60°)	9883.4	29.1	B5		
BH (60°-80°)	4966.6	14.6	B4/5000		G2/5000
BVH (80°-90°)	72.8	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°	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2	4102.2
2.5°	4115.7	4113.4	4115.7	4116.8	4110.1	4113.4	4112.3	4118.0	4120.2	4118.0	4118.0
5°	4163.1	4159.6	4164.2	4169.8	4160.9	4163.1	4159.6	4166.4	4168.7	4164.2	4167.6
7.5°	4228.5	4229.6	4234.1	4244.2	4238.6	4243.1	4236.4	4237.5	4236.4	4229.6	4230.7
10°	4299.5	4300.6	4308.5	4322.0	4324.3	4324.3	4319.8	4316.4	4311.9	4307.4	4308.5
12.5°	4385.2	4390.8	4396.4	4413.4	4413.4	4422.4	4420.2	4411.2	4403.2	4396.4	4396.4
15°	4501.3	4500.2	4507.0	4523.9	4531.8	4546.4	4546.4	4534.0	4523.9	4517.2	4514.8
17.5°	4623.1	4626.5	4631.0	4651.3	4663.7	4680.7	4682.9	4672.7	4665.9	4657.0	4651.3
20°	4765.2	4770.8	4788.9	4796.7	4808.1	4823.8	4829.4	4827.2	4820.5	4815.9	4817.0
22.5°	4931.0	4945.6	4956.9	4968.1	4981.7	4993.0	4998.6	5006.5	4999.7	4996.4	4994.1
25°	5131.6	5141.8	5164.4	5184.6	5193.7	5197.1	5203.8	5215.1	5214.0	5206.0	5206.0
27.5°	5359.5	5378.6	5406.8	5436.1	5436.1	5424.9	5447.4	5466.6	5459.8	5449.6	5436.1
30°	5635.7	5653.7	5686.4	5727.1	5706.8	5698.8	5729.3	5764.2	5754.1	5737.2	5734.9
32.5°	5933.4	5950.3	5993.1	6037.1	6011.2	5999.9	6032.6	6083.4	6065.3	6031.5	6011.2
35°	6255.9	6272.8	6333.7	6386.7	6342.7	6323.5	6350.5	6405.9	6374.3	6311.1	6295.3
37.5°	6606.5	6615.6	6694.5	6748.6	6718.2	6667.5	6701.3	6741.9	6714.8	6638.1	6607.7
40°	6970.8	7003.5	7094.8	7157.9	7104.9	7024.9	7081.3	7137.6	7097.1	6999.0	6947.1
42.5°	7395.8	7420.7	7542.5	7598.8	7513.1	7400.4	7477.1	7553.7	7513.1	7418.4	7373.3
45°	7837.9	7876.2	8021.6	8078.1	7954.0	7810.8	7904.4	8038.6	8035.3	7898.8	7851.5
47.5°	8319.4	8357.7	8531.4	8605.7	8471.6	8279.9	8411.8	8601.3	8587.8	8437.8	8399.4
50°	8875.2	8915.8	9132.3	9226.0	9100.8	8877.6	9076.0	9242.8	9218.0	9033.1	9036.5
52.5°	9573.2	9571.0	9840.5	10002.9	9874.3	9677.0	9859.7	10022.1	9919.4	9663.4	9655.6
55°	10184.4	10221.6	10555.4	10863.2	10855.3	10779.8	10853.1	10859.8	10566.6	10226.2	10184.4
57.5°	10585.8	10656.8	11127.1	11684.1	12101.3	12201.7	12059.5	11628.9	10942.1	10397.5	10331.0
60°	10338.9	10447.1	11185.7	12321.2	13550.3	14140.0	13338.3	12002.1	10650.1	9891.3	9801.0
62.5°	8672.3	8854.9	9936.4	12013.3	14797.4	16521.5	14265.2	11403.4	9488.7	8443.4	8288.9
65°	5281.6	5474.4	6777.9	9887.8	14595.5	18406.8	13842.3	9465.0	6925.7	5625.5	5458.7
67.5°	1760.2	1816.5	2584.4	5465.4	11471.0	16538.3	11490.2	5666.1	3014.0	1998.1	1939.5
70°	689.0	694.6	819.8	1584.3	5416.9	11359.4	5977.4	1612.4	856.9	677.7	692.3
72.5°	506.3	508.5	543.5	661.9	1411.8	5004.3	1462.5	665.3	528.8	474.7	474.7
75°	407.1	407.1	431.9	482.6	632.6	1147.9	641.6	477.0	413.8	378.9	374.4
77.5°	321.4	328.1	347.3	380.0	428.5	552.5	444.3	377.7	333.8	301.1	294.3
80°	239.0	245.8	277.4	293.2	307.9	383.4	328.1	295.4	263.8	225.5	218.7
82.5°	156.8	163.5	203.0	212.0	208.6	250.3	221.0	217.6	193.9	145.4	138.7
85°	102.7	104.9	135.4	140.9	129.7	113.9	140.9	148.9	135.4	94.7	91.3
87.5°	48.4	48.4	68.7	64.3	58.6	47.3	64.3	75.5	76.7	46.2	45.1
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)