

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: P383607

Luminaire Tested: **GLEON-SA9A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383607
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-SA9A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 40033.3 lumens
Efficiency: N/A
Efficacy: 138.0 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

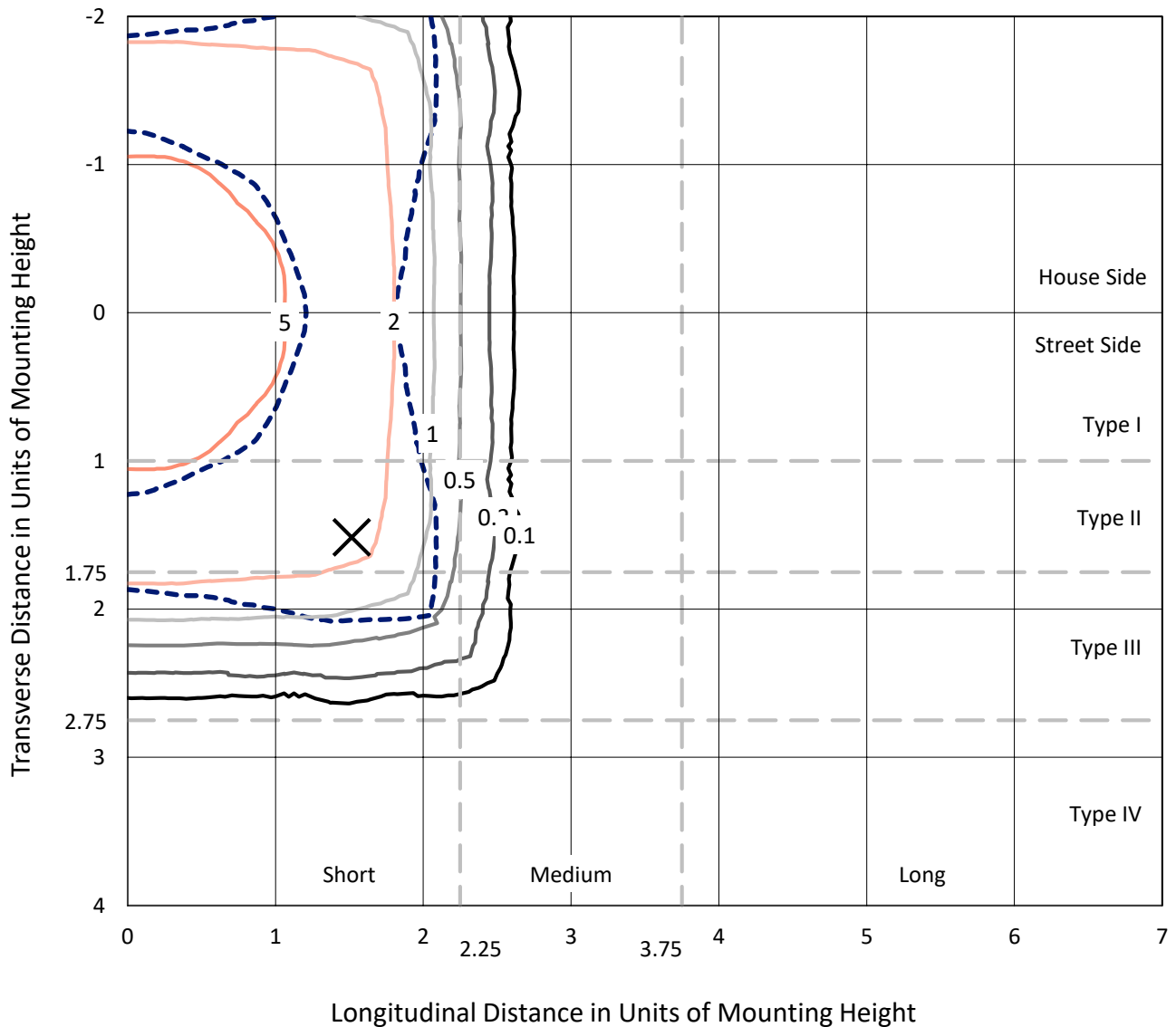
Input Watts (W): 290
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P383607
 CATALOG NUMBER: GLEON-SA9A-735-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

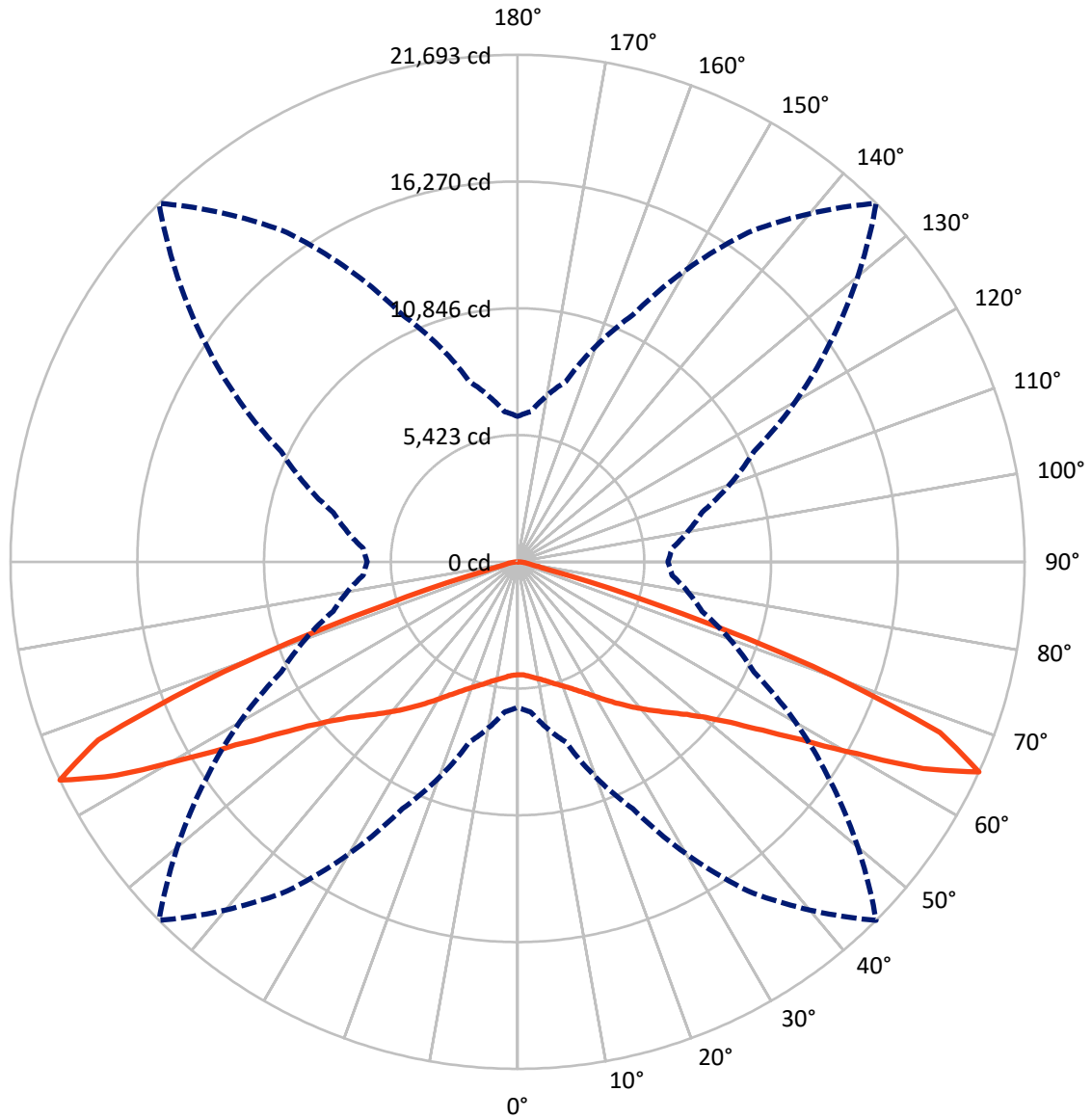
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P383607
CATALOG NUMBER: GLEON-SA9A-735-U-5NQ

Luminous Intensity Polar Plot



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

REPORT NUMBER: P383607
 CATALOG NUMBER: GLEON-SA9A-735-U-5NQ

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20016.6	0.0	20016.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20016.6	0.0	20016.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	40033.3	0.0	40033.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	474.3	1.2
10°-20°	1524.6	3.8
20°-30°	2860.5	7.1
30°-40°	4730.7	11.8
40°-50°	7327.2	18.3
50°-60°	11237.8	28.1
60°-70°	10486.2	26.2
70°-80°	1220.4	3.0
80°-90°	171.5	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°	40033.3	100.0
0°-180°	40033.3	100.0

Coefficient of Utilization

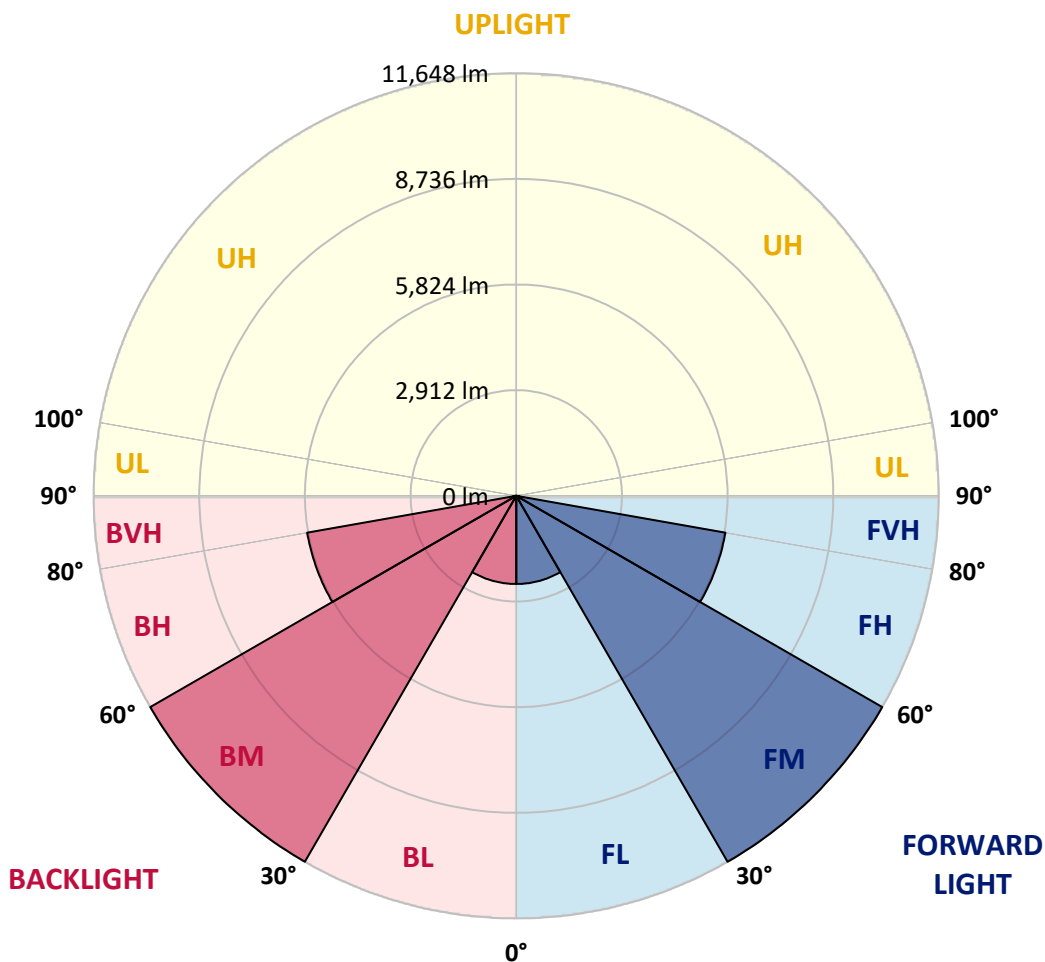


REPORT NUMBER: P383607
 CATALOG NUMBER: GLEON-SA9A-735-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2429.7	6.1			
FM (30°-60°)	11647.9	29.1			
FH (60°-80°)	5853.3	14.6			G3/7500
FVH (80°-90°)	85.7	0.2			G1/100
BL (0°-30°)	2429.7	6.1	B3/2500		
BM (30°-60°)	11647.9	29.1	B5		
BH (60°-80°)	5853.3	14.6	B5		G3/7500
BVH (80°-90°)	85.7	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





REPORT NUMBER: P383607
 CATALOG NUMBER: GLEON-SA9A-735-U-5N9

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5	4834.5
2.5°	4850.5	4847.8	4850.5	4851.8	4843.9	4847.8	4846.5	4853.1	4855.8	4853.1	4853.1
5°	4906.3	4902.3	4907.6	4914.3	4903.7	4906.3	4902.3	4910.3	4912.9	4907.6	4911.6
7.5°	4983.3	4984.7	4990.0	5001.9	4995.3	5000.6	4992.6	4994.0	4992.6	4984.7	4986.0
10°	5067.1	5068.4	5077.7	5093.7	5096.3	5096.3	5091.0	5087.0	5081.7	5076.4	5077.7
12.5°	5168.0	5174.7	5181.4	5201.3	5201.3	5211.9	5209.3	5198.6	5189.4	5181.4	5181.4
15°	5305.0	5303.6	5311.6	5331.5	5340.8	5358.1	5358.1	5343.5	5331.5	5323.5	5320.9
17.5°	5448.4	5452.4	5457.8	5481.7	5496.3	5516.3	5518.9	5506.9	5498.9	5488.3	5481.7
20°	5615.9	5622.5	5643.8	5653.1	5666.4	5685.0	5691.7	5689.0	5681.0	5675.7	5677.0
22.5°	5811.3	5828.5	5841.8	5855.1	5871.1	5884.3	5891.0	5900.3	5892.3	5888.3	5885.7
25°	6047.8	6059.8	6086.4	6110.3	6120.9	6124.9	6132.8	6146.2	6144.9	6135.5	6135.5
27.5°	6316.3	6338.8	6372.1	6406.6	6406.6	6393.3	6419.9	6442.5	6434.5	6422.6	6406.6
30°	6641.8	6663.1	6701.6	6749.4	6725.6	6716.3	6752.1	6793.3	6781.4	6761.5	6758.8
32.5°	6992.7	7012.6	7063.1	7114.9	7084.3	7071.1	7109.6	7169.4	7148.1	7108.3	7084.3
35°	7372.7	7392.7	7464.4	7526.9	7475.0	7452.5	7484.3	7549.4	7512.3	7437.8	7419.2
37.5°	7786.0	7796.6	7889.6	7953.5	7917.6	7857.8	7897.7	7945.4	7913.6	7823.2	7787.4
40°	8215.2	8253.8	8361.4	8435.8	8373.4	8279.0	8345.5	8411.9	8364.1	8248.5	8187.4
42.5°	8716.2	8745.5	8889.0	8955.4	8854.5	8721.5	8811.9	8902.2	8854.5	8742.8	8689.7
45°	9237.1	9282.3	9453.8	9520.2	9374.1	9205.3	9315.6	9473.7	9469.7	9309.0	9253.1
47.5°	9804.6	9849.8	10054.4	10142.1	9984.0	9758.1	9913.5	10136.8	10120.9	9944.1	9898.9
50°	10459.7	10507.6	10762.7	10873.0	10725.6	10462.4	10696.3	10893.0	10863.7	10645.8	10649.7
52.5°	11282.3	11279.6	11597.3	11788.6	11637.2	11404.6	11619.8	11811.2	11690.3	11388.6	11379.3
55°	12002.6	12046.4	12439.8	12802.5	12793.3	12704.3	12790.6	12798.6	12453.1	12051.7	12002.6
57.5°	12475.7	12559.4	13113.6	13770.0	14261.7	14380.0	14212.5	13704.9	12895.6	12253.8	12175.3
60°	12184.6	12312.3	13182.6	14520.9	15969.3	16664.4	15719.5	14144.8	12551.4	11657.1	11550.7
62.5°	10220.6	10435.8	11710.2	14158.0	17439.1	19471.0	16811.8	13439.2	11182.7	9950.8	9768.7
65°	6224.5	6451.8	7988.0	11653.1	17201.2	21692.9	16313.5	11154.7	8162.0	6629.8	6433.2
67.5°	2074.4	2140.9	3045.8	6441.2	13518.9	19491.0	13541.4	6677.7	3552.2	2354.8	2285.7
70°	811.9	818.6	966.1	1867.1	6384.0	13387.3	7044.5	1900.4	1010.0	798.7	815.9
72.5°	596.7	599.4	640.5	780.1	1663.7	5897.6	1723.5	784.1	623.3	559.5	559.5
75°	479.7	479.7	509.0	568.8	745.5	1352.8	756.1	562.1	487.7	446.5	441.2
77.5°	378.8	386.7	409.3	447.8	505.0	651.2	523.6	445.2	393.4	354.8	346.8
80°	281.7	289.7	326.9	345.5	362.7	451.8	386.7	348.2	311.0	265.8	257.8
82.5°	184.7	192.6	239.2	249.8	245.8	295.0	260.5	256.5	228.6	171.4	163.5
85°	120.9	123.6	159.5	166.1	152.9	134.2	166.1	175.4	159.5	111.6	107.7
87.5°	57.1	57.1	81.0	75.7	69.1	55.8	75.7	89.1	90.4	54.5	53.2
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)