

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: P383439

Luminaire Tested: **GLEON-SA7C-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383439
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-SA7C-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 48073.4 lumens
Efficiency: N/A
Efficacy: 122.9 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

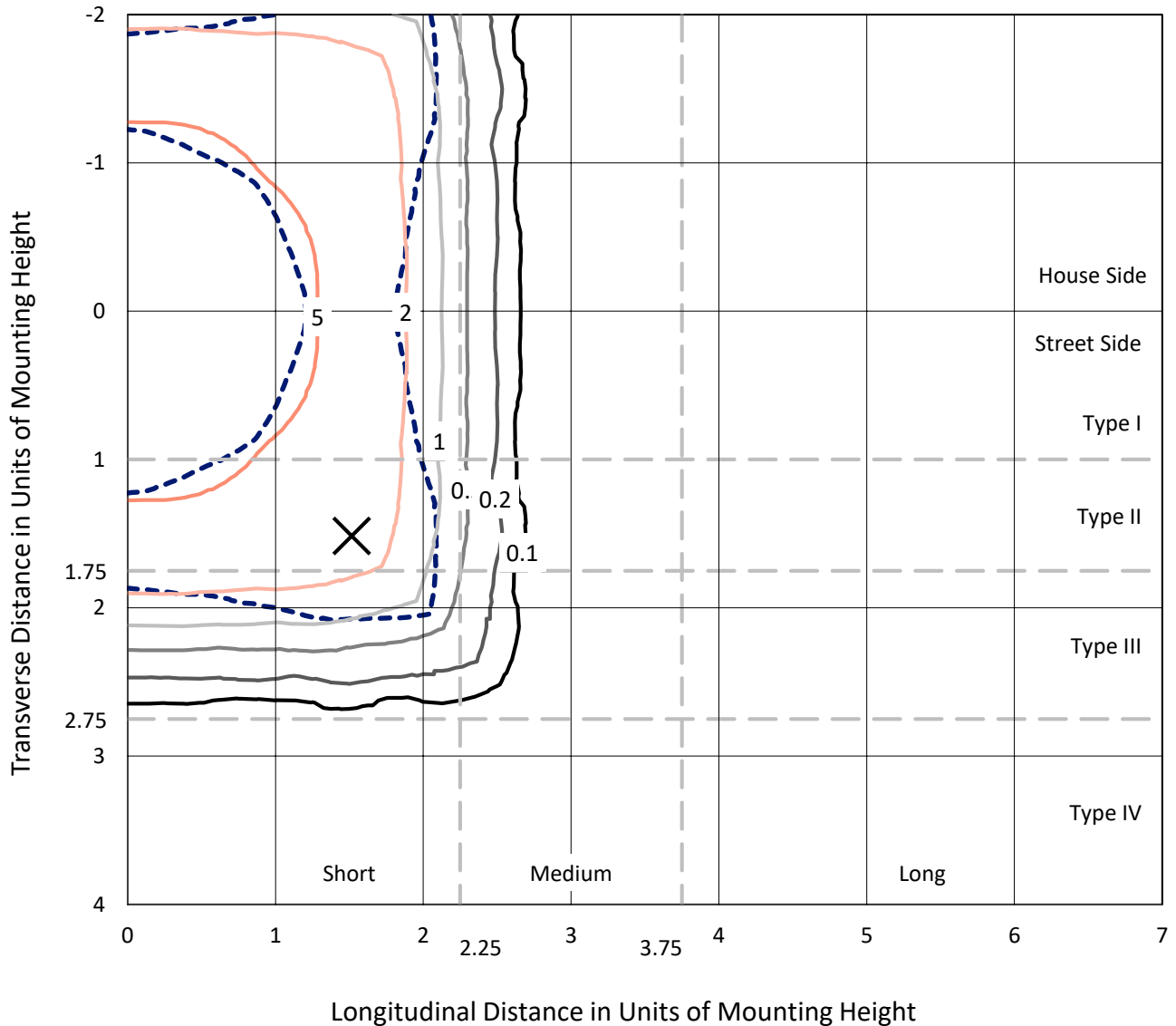
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

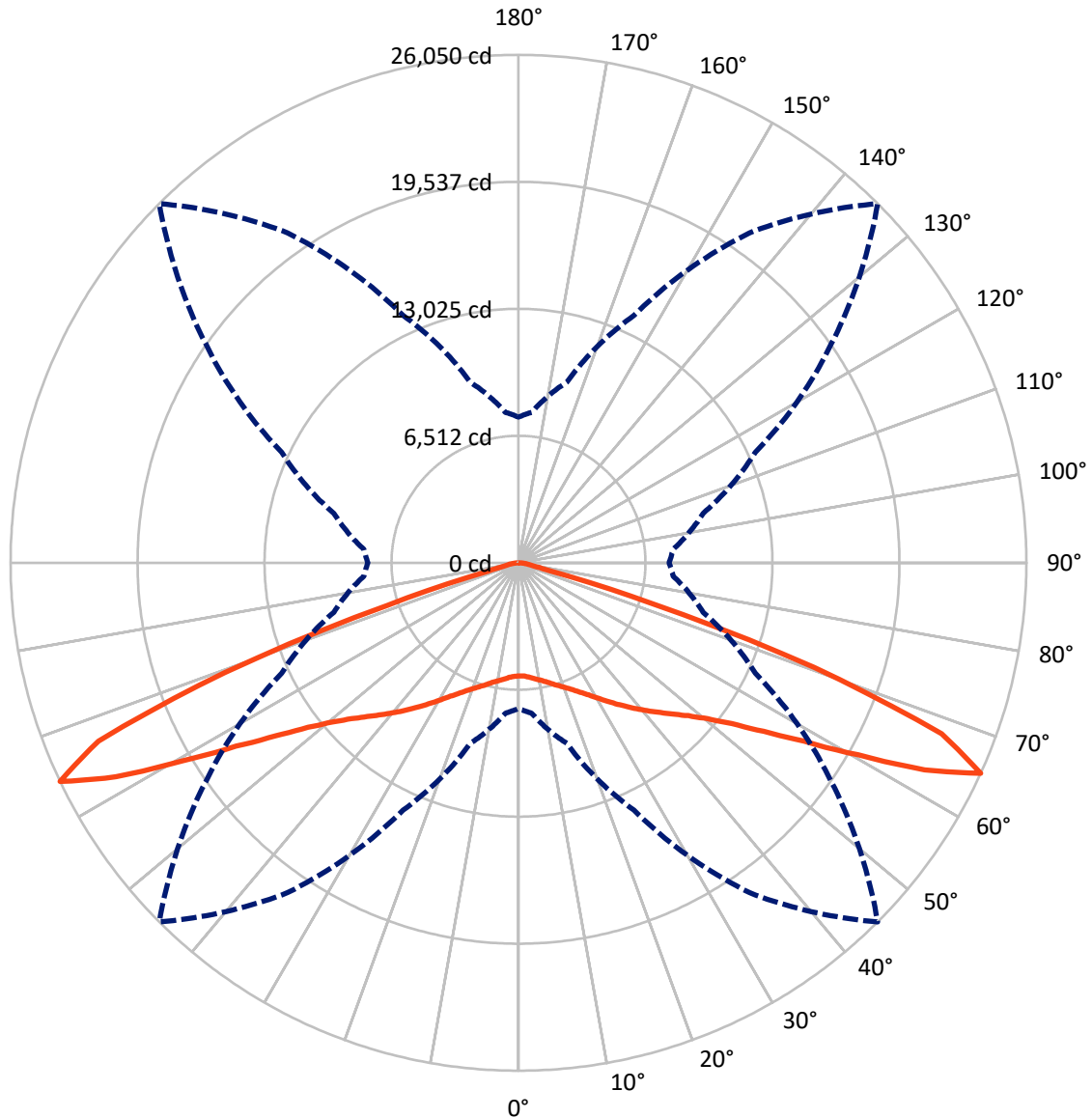
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.4 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	24036.7	0.0	24036.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24036.7	0.0	24036.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	48073.4	0.0	48073.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.6	1.2
10°-20°	1830.8	3.8
20°-30°	3435.0	7.1
30°-40°	5680.8	11.8
40°-50°	8798.8	18.3
50°-60°	13494.8	28.1
60°-70°	12592.2	26.2
70°-80°	1465.5	3.0
80°-90°	205.9	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°	48073.4	100.0
0°-180°	48073.4	100.0

Coefficient of Utilization



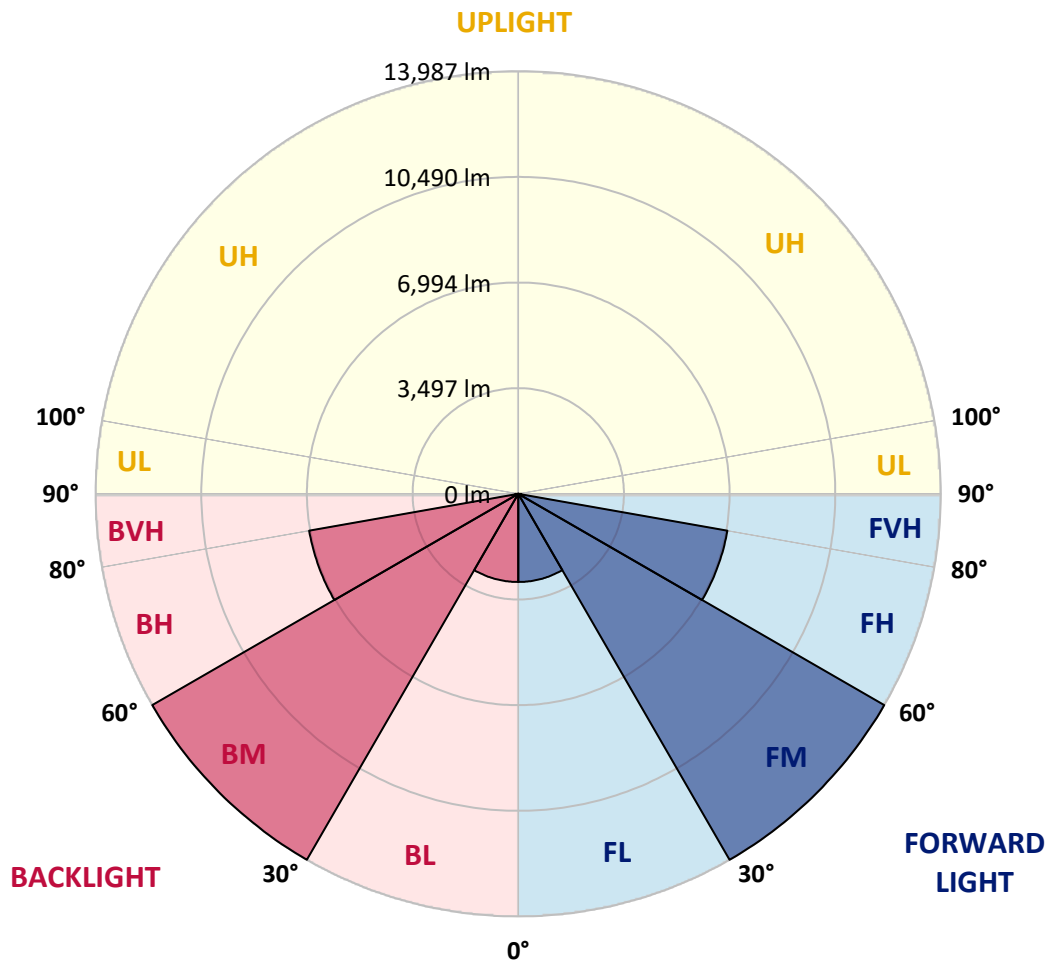
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2917.7	6.1			
FM (30°-60°)	13987.2	29.1			
FH (60°-80°)	7028.9	14.6			G3/7500
FVH (80°-90°)	103.0	0.2			G2/225
BL (0°-30°)	2917.7	6.1	B4/5000		
BM (30°-60°)	13987.2	29.1	B5		
BH (60°-80°)	7028.9	14.6	B5		G3/7500
BVH (80°-90°)	103.0	0.2			G2/225
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°	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5	5805.5
2.5°	5824.6	5821.4	5824.6	5826.2	5816.7	5821.4	5819.8	5827.9	5831.0	5827.9	5827.9
5°	5891.7	5886.8	5893.2	5901.3	5888.5	5891.7	5886.8	5896.4	5899.6	5893.2	5898.0
7.5°	5984.2	5985.8	5992.2	6006.5	5998.6	6004.9	5995.3	5996.9	5995.3	5985.8	5987.4
10°	6084.8	6086.4	6097.5	6116.6	6119.8	6119.8	6113.5	6108.7	6102.3	6096.0	6097.5
12.5°	6206.1	6214.0	6222.0	6245.9	6245.9	6258.7	6255.5	6242.8	6231.6	6222.0	6222.0
15°	6370.4	6368.8	6378.4	6402.3	6413.5	6434.2	6434.2	6416.7	6402.3	6392.7	6389.6
17.5°	6542.7	6547.5	6553.9	6582.6	6600.2	6624.1	6627.3	6613.0	6603.4	6590.6	6582.6
20°	6743.8	6751.8	6777.3	6788.5	6804.4	6826.8	6834.8	6831.6	6822.0	6815.6	6817.3
22.5°	6978.4	6999.1	7015.1	7031.0	7050.2	7066.2	7074.2	7085.3	7075.8	7070.9	7067.7
25°	7262.4	7276.8	7308.7	7337.4	7350.2	7355.0	7364.5	7380.6	7378.9	7367.8	7367.8
27.5°	7584.8	7612.0	7651.8	7693.3	7693.3	7677.3	7709.2	7736.4	7726.8	7712.5	7693.3
30°	7975.7	8001.2	8047.5	8105.0	8076.2	8065.2	8108.2	8157.7	8143.3	8119.4	8116.2
32.5°	8397.1	8421.0	8481.6	8543.9	8507.2	8491.1	8537.4	8609.3	8583.7	8535.9	8507.2
35°	8853.4	8877.4	8963.5	9038.5	8976.3	8949.2	8987.5	9065.6	9021.0	8931.6	8909.3
37.5°	9349.8	9362.5	9474.2	9550.8	9507.7	9435.9	9483.8	9541.2	9502.9	9394.4	9351.3
40°	9865.2	9911.5	10040.7	10130.0	10055.0	9941.8	10021.6	10101.3	10043.9	9905.1	9831.6
42.5°	10466.8	10501.9	10674.2	10754.0	10632.8	10473.2	10581.6	10690.2	10632.8	10498.7	10434.8
45°	11092.3	11146.6	11352.4	11432.2	11256.7	11054.0	11186.5	11376.3	11371.6	11178.5	11111.5
47.5°	11773.7	11828.0	12073.7	12179.1	11989.1	11717.8	11904.6	12172.6	12153.5	11941.3	11887.0
50°	12560.4	12617.9	12924.3	13056.8	12879.6	12563.6	12844.5	13080.7	13045.6	12783.8	12788.7
52.5°	13548.2	13545.1	13926.5	14156.3	13974.3	13695.1	13953.6	14183.4	14038.1	13675.9	13664.8
55°	14413.2	14465.8	14938.2	15373.8	15362.6	15255.8	15359.4	15369.0	14954.1	14472.2	14413.2
57.5°	14981.2	15081.8	15747.3	16535.5	17126.0	17268.0	17067.0	16457.4	15485.5	14714.7	14620.6
60°	14631.8	14785.0	15830.3	17437.2	19176.6	20011.2	18876.6	16985.6	15072.3	13998.3	13870.6
62.5°	12273.2	12531.7	14062.1	17001.5	20941.6	23381.5	20188.3	16138.2	13428.5	11949.2	11730.6
65°	7474.6	7747.6	9592.2	13993.4	20655.9	26049.6	19589.9	13395.0	9801.4	7961.4	7725.2
67.5°	2491.1	2570.8	3657.5	7734.8	16234.0	23405.4	16261.1	8018.9	4265.6	2827.7	2744.7
70°	975.1	983.0	1160.1	2242.0	7666.2	16076.0	8459.3	2282.0	1212.8	959.0	979.8
72.5°	716.5	719.7	769.2	936.8	1997.9	7082.1	2069.7	941.5	748.4	671.8	671.8
75°	576.1	576.1	611.2	683.0	895.2	1624.5	908.0	675.0	585.7	536.2	529.8
77.5°	454.8	464.4	491.5	537.8	606.4	781.9	628.7	534.6	472.4	426.1	416.5
80°	338.3	347.8	392.6	414.9	435.7	542.5	464.4	418.1	373.5	319.1	309.6
82.5°	221.8	231.4	287.2	300.1	295.2	354.3	312.8	308.0	274.4	205.9	196.3
85°	145.2	148.4	191.5	199.4	183.5	161.2	199.4	210.6	191.5	134.0	129.3
87.5°	68.7	68.7	97.3	90.9	83.0	67.0	90.9	106.9	108.5	65.4	63.8
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)