

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: P383440

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

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383440
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
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-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3500K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 49089.8 lumens
Efficiency: N/A
Efficacy: 125.5 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

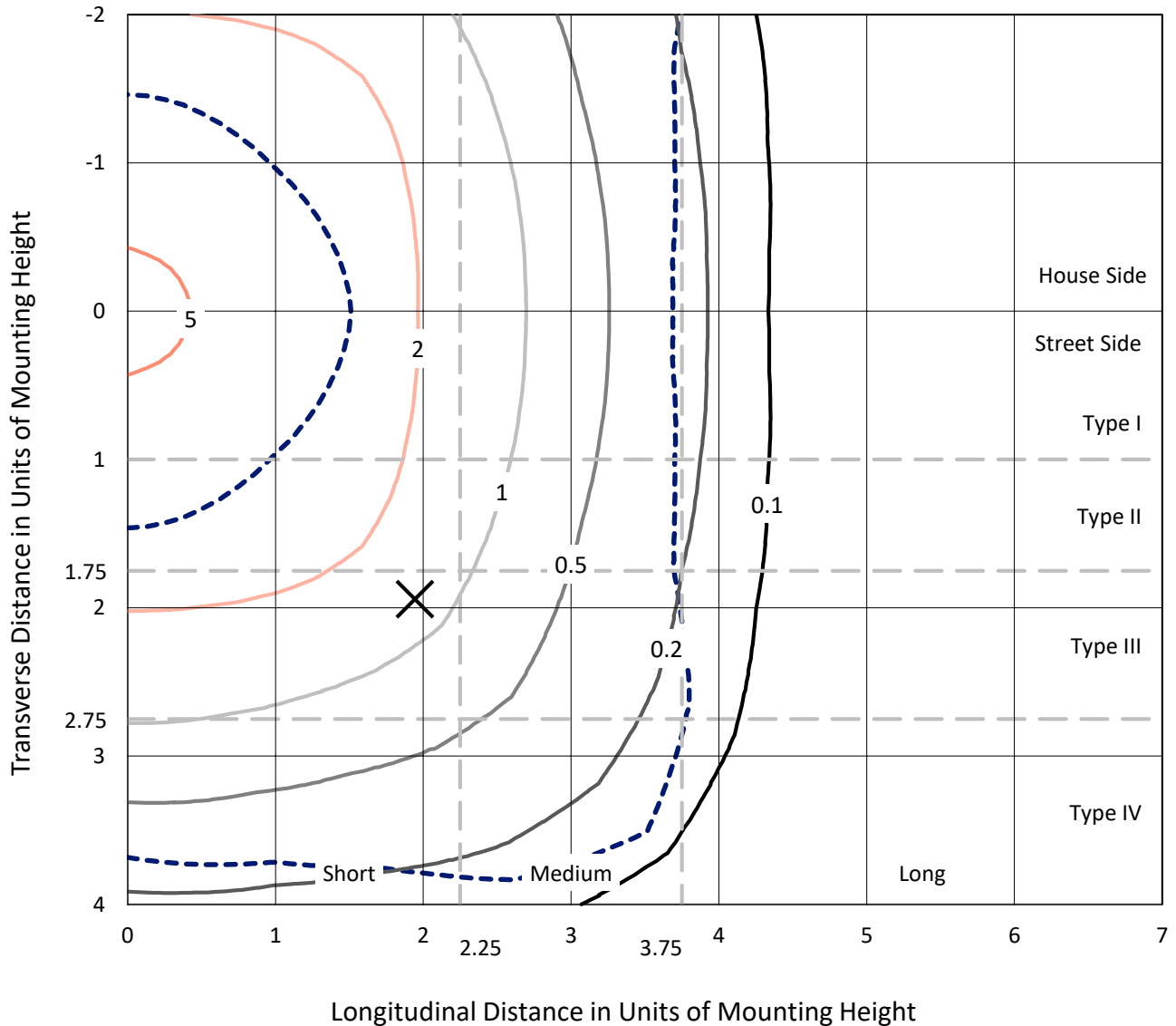
Input Watts (W): 391
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

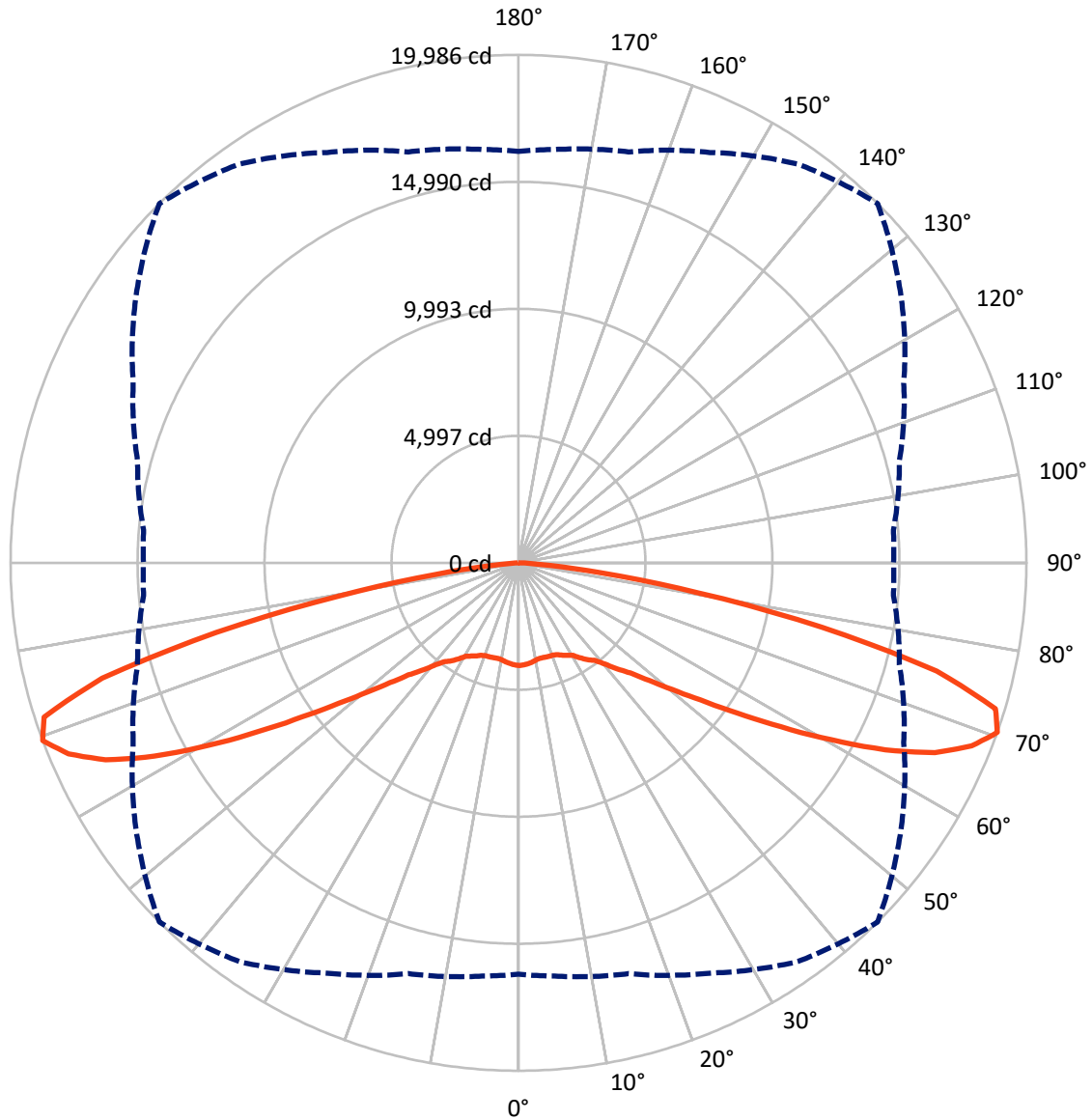
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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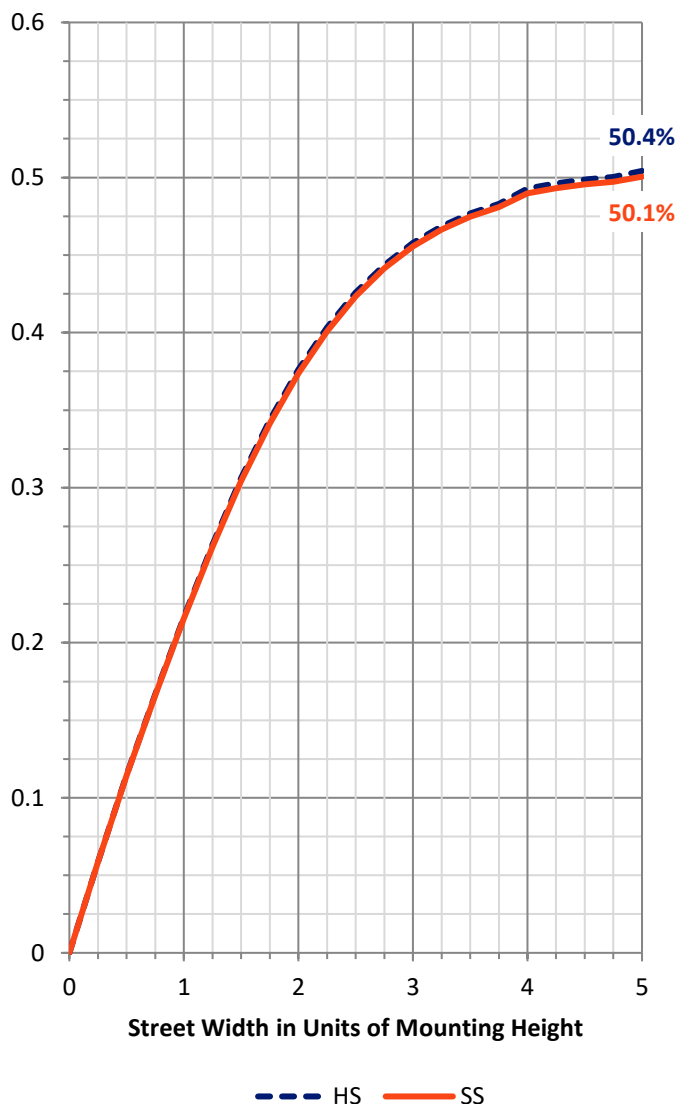
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24544.9	0.0	24544.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24544.9	0.0	24544.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	49089.8	0.0	49089.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	377.1	0.8
10°-20°	1101.4	2.2
20°-30°	1877.9	3.8
30°-40°	2934.3	6.0
40°-50°	4973.0	10.1
50°-60°	9068.7	18.5
60°-70°	15612.3	31.8
70°-80°	12237.5	24.9
80°-90°	907.4	1.8
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°	49089.8	100.0
0°-180°	49089.8	100.0

Coefficient of Utilization

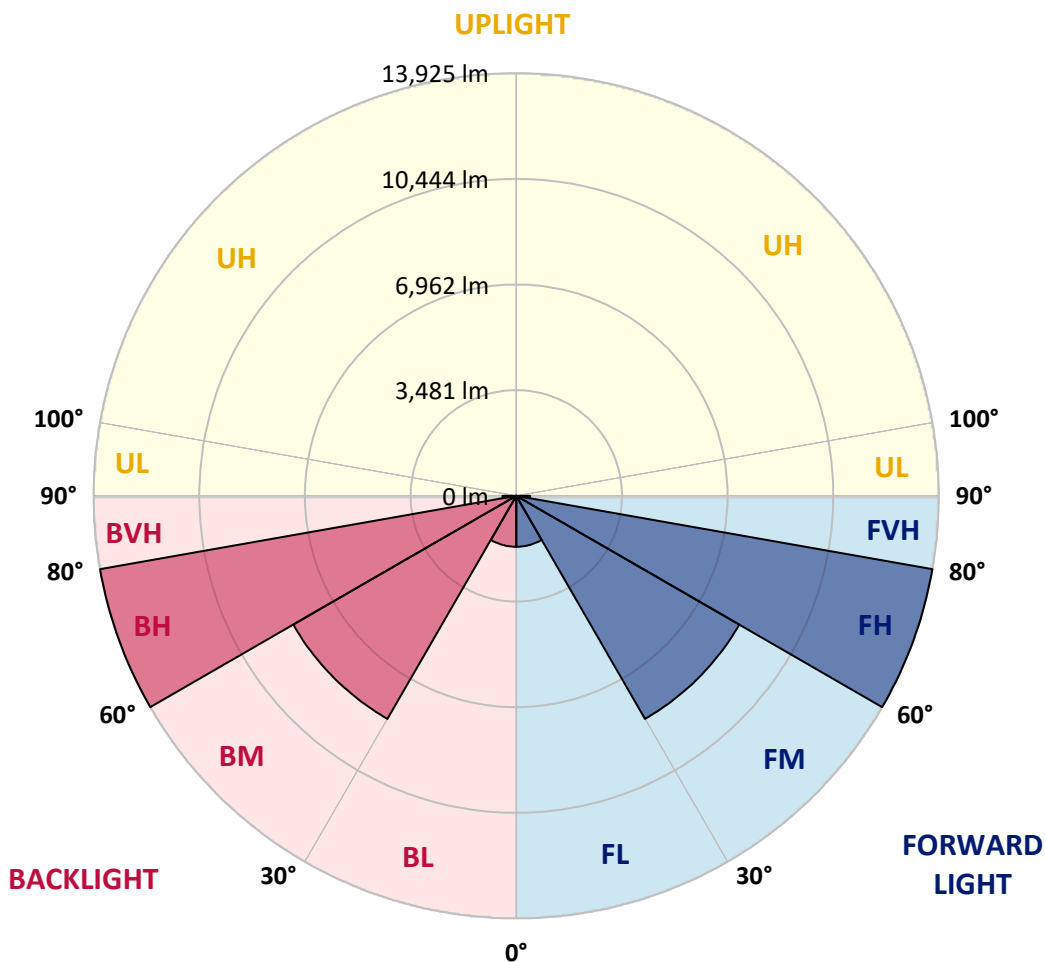


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1678.2	3.4			
FM (30°-60°)	8488.0	17.3			
FH (60°-80°)	13924.9	28.4			G5
FVH (80°-90°)	453.7	0.9			G3/500
BL (0°-30°)	1678.2	3.4	B3/2500		
BM (30°-60°)	8488.0	17.3	B4/8500		
BH (60°-80°)	13924.9	28.4	B5		G5
BVH (80°-90°)	453.7	0.9			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1	4040.1
2.5°	4022.2	4027.1	4022.2	4025.5	4017.4	4020.7	4020.7	4020.7	4019.0	4020.7	4017.4
5°	3986.5	3989.7	3983.3	3986.5	3981.6	3986.5	3988.1	3986.5	3983.3	3984.9	3978.4
7.5°	3932.9	3936.2	3931.3	3936.2	3929.6	3937.8	3936.2	3931.3	3926.4	3926.4	3920.0
10°	3903.7	3905.3	3892.3	3887.4	3872.8	3876.1	3880.9	3885.9	3890.7	3900.5	3898.8
12.5°	3905.3	3905.3	3885.9	3864.7	3843.6	3848.5	3856.6	3874.5	3894.0	3911.8	3913.4
15°	3921.5	3920.0	3890.7	3856.6	3842.0	3856.6	3861.5	3872.8	3903.7	3934.6	3936.2
17.5°	3932.9	3932.9	3887.4	3848.5	3846.8	3869.6	3868.0	3872.8	3906.9	3952.4	3954.0
20°	3954.0	3954.0	3895.5	3853.3	3853.3	3877.8	3879.3	3887.4	3921.5	3971.9	3980.0
22.5°	4001.1	4002.8	3941.0	3906.9	3910.2	3924.8	3929.6	3942.7	3973.5	4028.8	4038.4
25°	4067.7	4071.0	4007.6	3988.1	3999.5	4027.1	4023.8	4033.6	4067.7	4121.3	4131.0
27.5°	4160.3	4152.1	4093.7	4085.6	4096.9	4116.4	4114.8	4116.4	4144.0	4192.7	4204.1
30°	4280.5	4277.2	4234.9	4239.8	4234.9	4228.5	4230.1	4243.1	4257.7	4296.7	4308.0
32.5°	4397.4	4400.6	4374.6	4399.0	4434.7	4459.0	4421.7	4386.0	4369.7	4390.8	4400.6
35°	4608.5	4616.6	4575.9	4559.7	4608.5	4679.9	4574.4	4515.9	4548.4	4575.9	4584.1
37.5°	4967.3	4972.1	4903.9	4839.0	4803.3	4871.5	4766.0	4770.8	4884.5	4936.5	4934.8
40°	5376.5	5378.1	5332.6	5275.8	5214.2	5230.4	5188.2	5201.1	5275.8	5323.0	5335.9
42.5°	5863.6	5858.8	5787.3	5706.1	5688.3	5704.5	5633.1	5623.3	5709.4	5793.9	5795.4
45°	6495.3	6483.9	6391.4	6302.1	6216.0	6180.3	6162.5	6209.5	6328.1	6406.0	6407.7
47.5°	7175.7	7144.9	7096.2	7024.7	6950.0	6914.3	6885.1	6907.8	6993.9	7024.7	7028.0
50°	7875.6	7882.1	7891.8	7864.2	7836.6	7825.3	7748.9	7705.1	7731.1	7674.3	7666.1
52.5°	8705.4	8718.4	8812.5	8892.1	8939.2	8963.5	8819.1	8668.1	8583.6	8473.2	8440.7
55°	9684.6	9705.6	9843.7	10064.5	10291.8	10412.0	10150.6	9868.1	9606.6	9400.3	9333.8
57.5°	10775.8	10813.1	11003.1	11426.9	11893.0	12177.1	11735.5	11222.3	10717.3	10420.1	10368.1
60°	12055.3	12091.0	12354.1	12961.5	13716.5	14143.6	13474.6	12635.0	12006.6	11722.4	11626.6
62.5°	13578.5	13581.8	13904.8	14614.5	15611.5	16205.9	15299.7	14177.7	13529.8	13187.2	13094.6
65°	15216.9	15225.0	15559.5	16326.0	17357.2	18003.5	16980.4	15811.3	15018.8	14513.8	14442.3
67.5°	16374.7	16408.8	16761.1	17683.6	18648.1	19231.1	18172.4	16850.5	15934.7	15332.2	15272.2
70°	16189.6	16322.8	16736.8	17813.4	19154.8	19986.2	18365.6	16727.1	15518.9	14807.7	14757.4
72.5°	14119.2	14374.2	14926.3	16339.0	18484.0	19628.9	17311.7	14981.5	13614.2	13008.5	12917.6
75°	9614.7	10028.8	10861.8	12899.7	15791.8	16995.1	14573.9	11945.0	10658.9	9820.9	9759.3
77.5°	4286.9	4381.1	5436.6	7783.0	10897.5	12204.8	10589.0	7813.9	5865.3	4678.2	4428.2
80°	1195.2	1209.8	1614.1	2898.5	5454.5	7170.9	5855.5	3044.7	1711.5	1206.5	1136.7
82.5°	380.0	412.5	503.4	751.9	1833.3	3272.1	1882.0	811.9	578.1	461.2	415.7
85°	185.1	183.5	255.0	305.3	467.6	724.2	498.5	376.7	329.7	219.2	198.1
87.5°	78.0	79.6	118.6	107.1	136.4	116.9	160.8	168.9	177.0	97.4	84.4
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)