

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: P382684

Luminaire Tested: **GLEON-SA0D-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382684
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-SA0D-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 75356.6 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

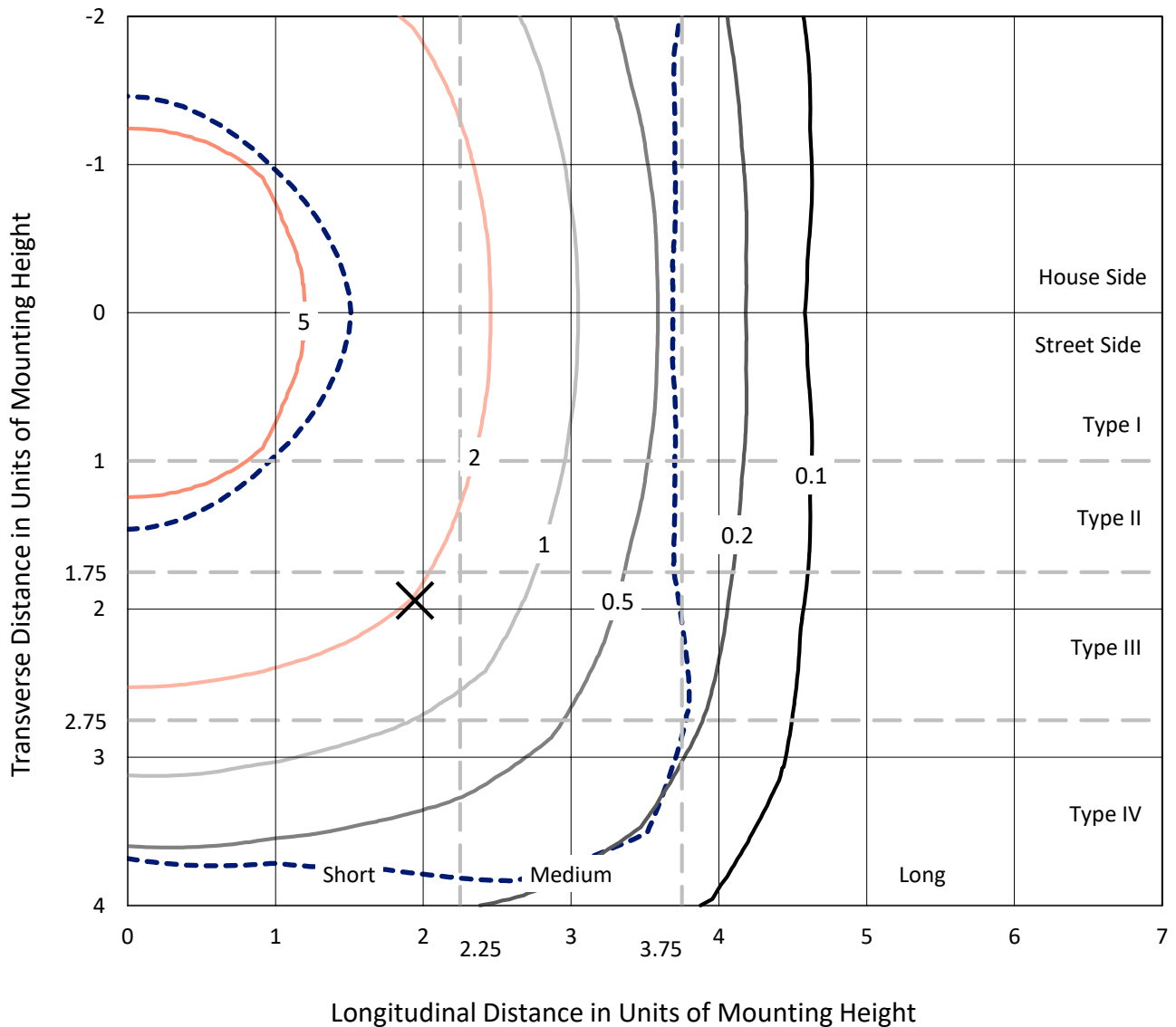
Input Watts (W): 640
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

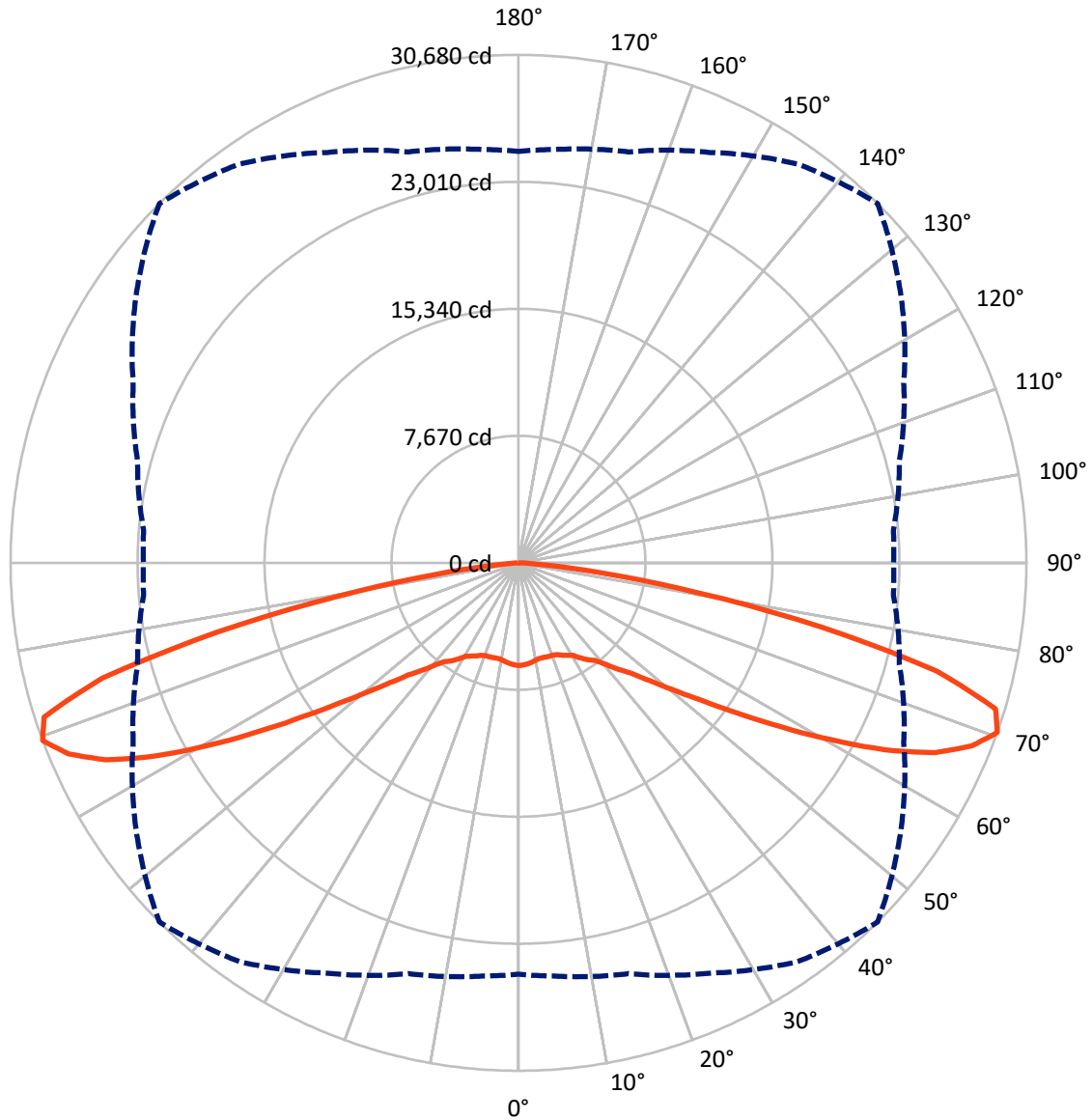
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.9 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	37678.3	0.0	37678.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37678.3	0.0	37678.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	75356.6	0.0	75356.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	578.8	0.8
10°-20°	1690.8	2.2
20°-30°	2882.8	3.8
30°-40°	4504.4	6.0
40°-50°	7634.0	10.1
50°-60°	13921.1	18.5
60°-70°	23966.2	31.8
70°-80°	18785.6	24.9
80°-90°	1392.9	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°	75356.6	100.0
0°-180°	75356.6	100.0

Coefficient of Utilization

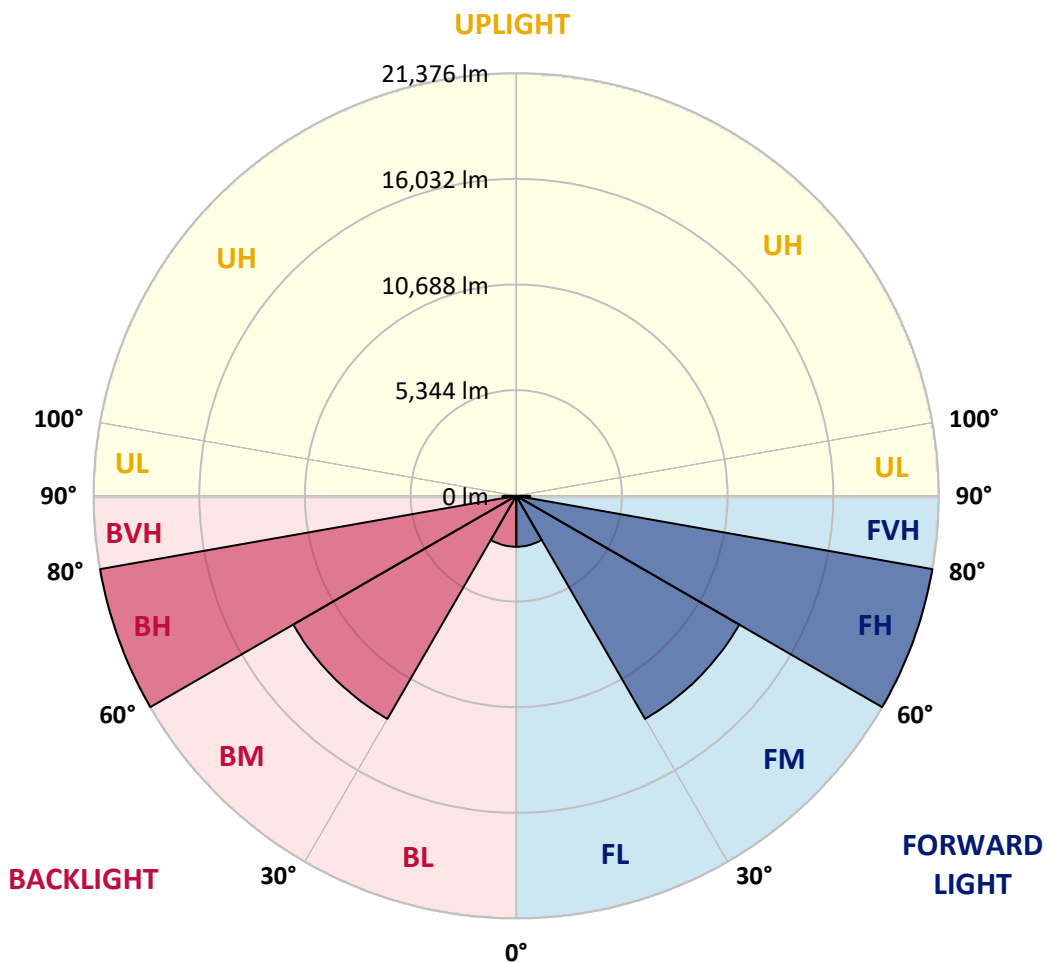


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2576.2	3.4			
FM (30°-60°)	13029.8	17.3			
FH (60°-80°)	21375.9	28.4			G5
FVH (80°-90°)	696.5	0.9			G4/750
BL (0°-30°)	2576.2	3.4	B4/5000		
BM (30°-60°)	13029.8	17.3	B5		
BH (60°-80°)	21375.9	28.4	B5		G5
BVH (80°-90°)	696.5	0.9			G4/750
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°	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9	6201.9
2.5°	6174.5	6181.9	6174.5	6179.4	6166.9	6172.0	6172.0	6172.0	6169.5	6172.0	6166.9
5°	6119.6	6124.6	6114.6	6119.6	6112.2	6119.6	6122.1	6119.6	6114.6	6117.1	6107.1
7.5°	6037.4	6042.3	6034.8	6042.3	6032.3	6044.8	6042.3	6034.8	6027.4	6027.4	6017.4
10°	5992.5	5995.0	5975.0	5967.6	5945.1	5950.1	5957.6	5965.1	5972.5	5987.5	5985.0
12.5°	5995.0	5995.0	5965.1	5932.7	5900.2	5907.7	5920.2	5947.6	5977.6	6004.9	6007.5
15°	6019.8	6017.4	5972.5	5920.2	5897.7	5920.2	5927.6	5945.1	5992.5	6039.9	6042.3
17.5°	6037.4	6037.4	5967.6	5907.7	5905.3	5940.1	5937.6	5945.1	5997.5	6067.3	6069.8
20°	6069.8	6069.8	5980.0	5915.2	5915.2	5952.6	5955.1	5967.6	6019.8	6097.2	6109.6
22.5°	6142.1	6144.5	6049.8	5997.5	6002.4	6024.9	6032.3	6052.3	6099.7	6184.5	6199.4
25°	6244.3	6249.2	6152.0	6122.1	6139.6	6181.9	6176.9	6191.9	6244.3	6326.5	6341.4
27.5°	6386.3	6373.8	6284.1	6271.6	6289.1	6319.1	6316.5	6319.1	6361.4	6436.2	6453.7
30°	6570.8	6565.8	6501.0	6508.4	6501.0	6491.0	6493.5	6513.5	6535.9	6595.7	6613.1
32.5°	6750.3	6755.2	6715.3	6752.8	6807.6	6845.0	6787.6	6732.8	6707.9	6740.3	6755.2
35°	7074.3	7086.7	7024.4	6999.6	7074.3	7184.0	7022.0	6932.2	6982.0	7024.4	7036.9
37.5°	7625.2	7632.6	7528.0	7428.3	7373.5	7478.1	7316.1	7323.5	7498.0	7577.9	7575.3
40°	8253.3	8255.8	8186.1	8098.8	8004.0	8029.0	7964.2	7984.1	8098.8	8171.1	8191.0
42.5°	9001.2	8993.7	8884.0	8759.3	8732.0	8756.9	8647.2	8632.3	8764.4	8894.0	8896.5
45°	9970.8	9953.4	9811.3	9674.2	9542.1	9487.3	9459.9	9532.2	9714.1	9833.7	9836.2
47.5°	11015.3	10967.9	10893.1	10783.5	10668.8	10614.0	10569.1	10604.0	10736.1	10783.5	10788.4
50°	12089.6	12099.6	12114.6	12072.2	12029.8	12012.4	11895.2	11827.9	11867.8	11780.5	11768.1
52.5°	13363.4	13383.4	13527.9	13650.1	13722.3	13759.8	13537.9	13306.0	13176.5	13006.9	12957.1
55°	14866.5	14898.9	15110.8	15449.8	15798.8	15983.2	15581.9	15148.2	14746.9	14430.3	14328.1
57.5°	16541.6	16599.0	16890.6	17541.2	18256.6	18692.8	18014.8	17227.1	16451.9	15995.7	15916.0
60°	18505.8	18560.7	18964.5	19896.8	21056.0	21711.5	20684.5	19395.8	18431.1	17994.9	17847.8
62.5°	20844.0	20849.1	21345.1	22434.4	23964.9	24877.3	23486.3	21763.8	20769.2	20243.3	20101.2
65°	23359.2	23371.6	23885.2	25061.7	26644.6	27636.7	26066.3	24271.5	23055.1	22279.8	22170.2
67.5°	25136.5	25188.9	25729.7	27145.6	28626.3	29521.1	27895.9	25866.8	24460.9	23536.2	23443.9
70°	24852.3	25056.7	25692.4	27345.0	29404.0	30680.2	28192.5	25677.4	23822.8	22731.0	22653.7
72.5°	21674.1	22065.5	22913.0	25081.6	28374.5	30131.8	26574.7	22997.8	20898.9	19969.1	19829.5
75°	14759.3	15394.9	16673.8	19802.1	24241.6	26088.7	22372.0	18336.4	16362.2	15075.9	14981.1
77.5°	6580.7	6725.3	8345.5	11947.6	16728.5	18735.2	16254.9	11994.9	9003.7	7181.5	6797.6
80°	1834.6	1857.0	2477.7	4449.4	8373.0	11007.8	8988.7	4673.9	2627.3	1852.1	1744.9
82.5°	583.3	633.2	772.7	1154.1	2814.3	5022.8	2889.0	1246.3	887.4	707.9	638.1
85°	284.2	281.7	391.3	468.7	717.9	1111.7	765.3	578.3	506.0	336.5	304.2
87.5°	119.6	122.1	181.9	164.5	209.4	179.5	246.8	259.2	271.7	149.6	129.6
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)