

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: P532383

Luminaire Tested: **GALN-SA7D-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7D-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33711 lumens
Efficiency: N/A
Efficacy: 77.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

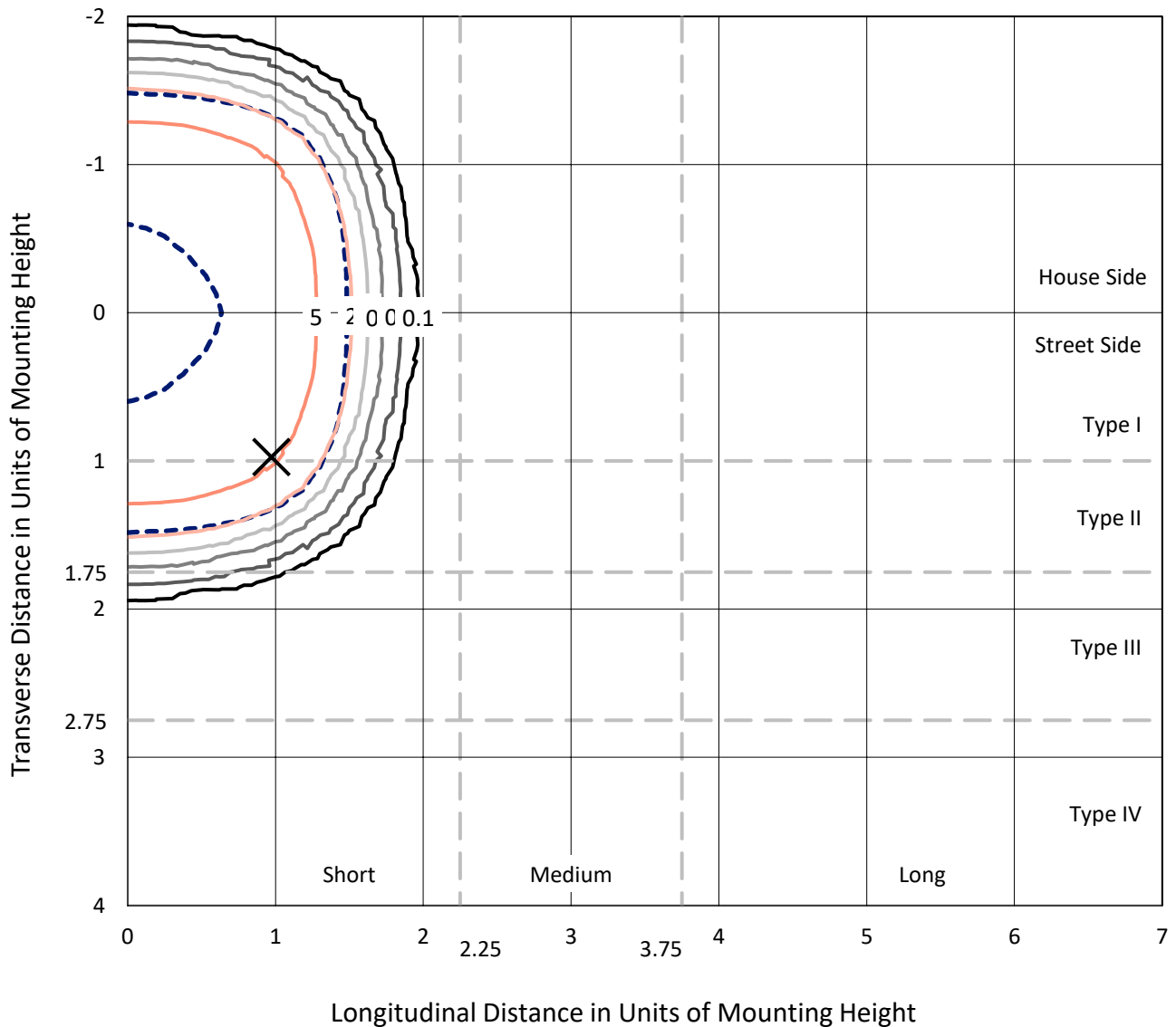
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

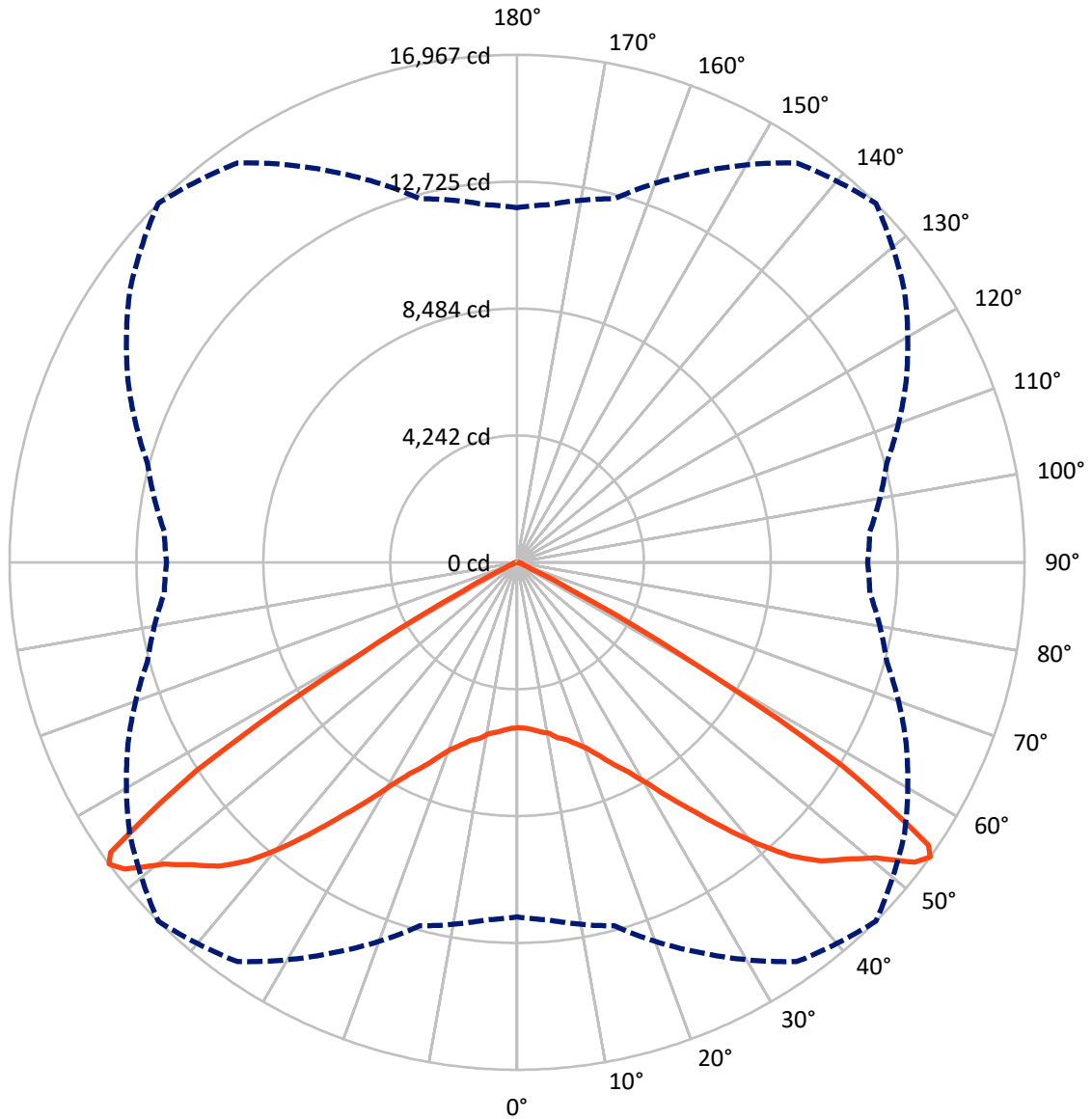
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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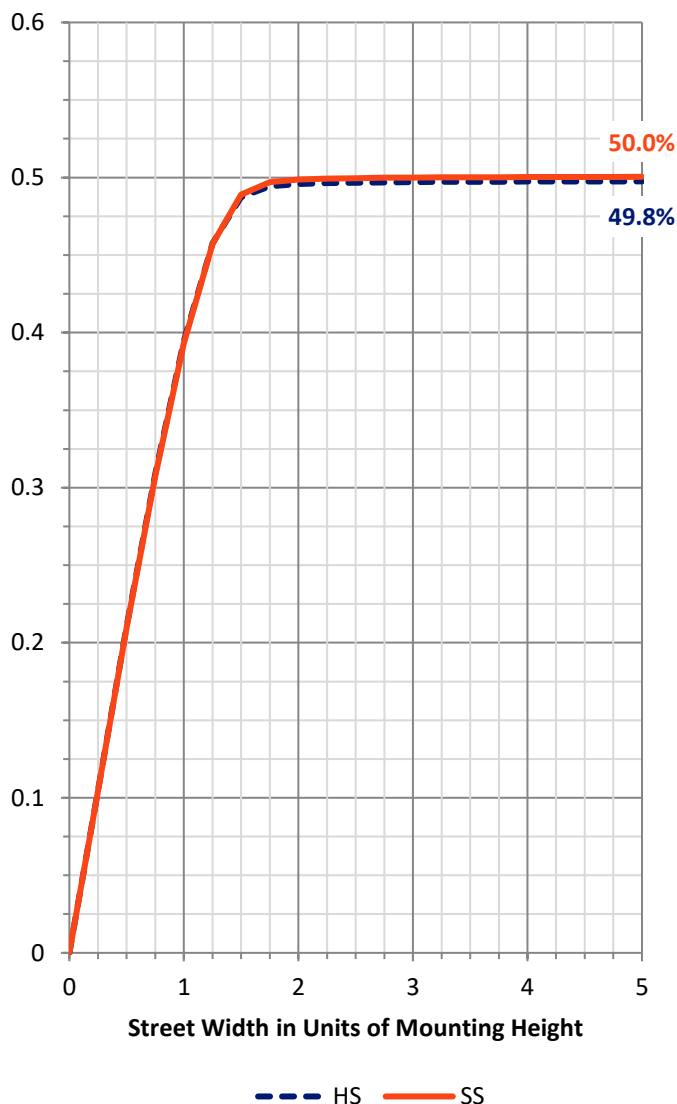
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16855.5	0.0	16855.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16855.5	0.0	16855.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	33711.0	0.0	33711.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.0	1.6
10°-20°	1752.0	5.2
20°-30°	3433.8	10.2
30°-40°	6174.8	18.3
40°-50°	10570.0	31.4
50°-60°	10227.5	30.3
60°-70°	875.5	2.6
70°-80°	103.8	0.3
80°-90°	32.5	0.1
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°	33711.0	100.0
0°-180°	33711.0	100.0

Coefficient of Utilization



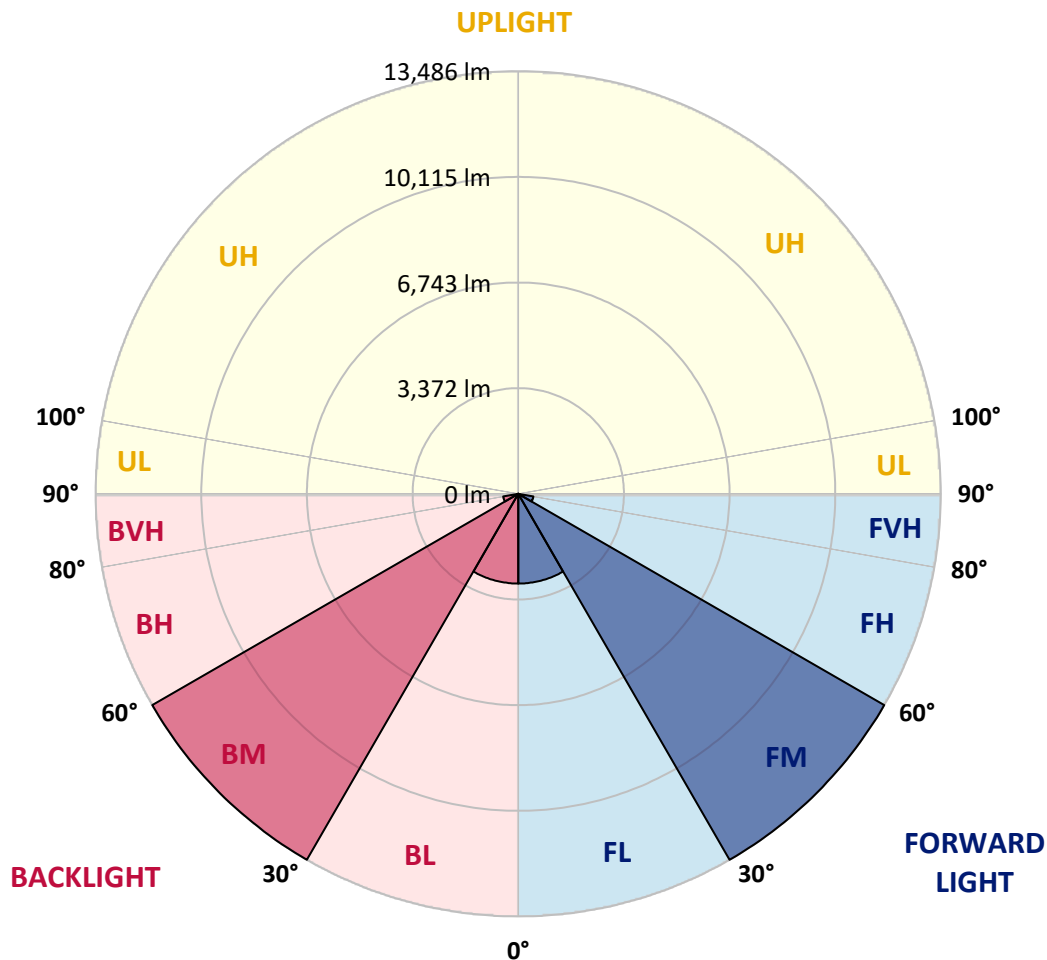
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2863.4	8.5			
FM (30°-60°)	13486.2	40.0			
FH (60°-80°)	489.6	1.5			G0/660
FVH (80°-90°)	16.3	0.0			G1/100
BL (0°-30°)	2863.4	8.5	B4/5000		
BM (30°-60°)	13486.2	40.0	B5		
BH (60°-80°)	489.6	1.5	B1/500		G0/660
BVH (80°-90°)	16.3	0.0			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6	5527.6
2.5°	5554.3	5586.3	5564.9	5581.0	5581.0	5554.3	5570.3	5506.2	5548.9	5516.9	5522.2
5°	5639.7	5634.4	5634.4	5639.7	5618.3	5629.0	5607.7	5586.3	5570.3	5548.9	5613.0
7.5°	5746.5	5746.5	5709.1	5719.8	5709.1	5725.2	5682.4	5639.7	5623.7	5607.7	5597.0
10°	5848.0	5837.3	5821.3	5869.4	5832.0	5810.6	5789.2	5762.5	5703.8	5682.4	5661.1
12.5°	5997.5	5992.2	5970.8	6018.9	5997.5	6018.9	5938.8	5869.4	5858.7	5789.2	5826.6
15°	6173.8	6221.8	6184.5	6184.5	6173.8	6147.1	6115.0	6083.0	5986.8	5960.1	5965.5
17.5°	6403.4	6387.4	6392.7	6392.7	6446.1	6376.7	6312.6	6232.5	6184.5	6168.4	6115.0
20°	6622.4	6643.7	6638.4	6675.8	6707.8	6633.1	6563.6	6553.0	6419.4	6440.8	6366.0
22.5°	7006.9	6990.9	7017.6	7044.3	7022.9	7012.2	6948.2	6868.1	6750.6	6697.2	6686.5
25°	7412.8	7386.1	7338.0	7402.1	7434.2	7482.2	7359.4	7316.7	7135.1	7055.0	7060.3
27.5°	7759.9	7797.3	7850.7	7877.4	7957.5	7941.5	7856.1	7717.2	7578.4	7487.6	7428.8
30°	8235.3	8256.6	8347.4	8384.8	8523.6	8561.0	8427.5	8267.3	8021.6	7904.1	7834.7
32.5°	8673.2	8822.7	8817.4	9004.3	9228.6	9383.5	9143.2	8897.5	8651.8	8513.0	8390.1
35°	9383.5	9356.8	9511.7	9709.3	10072.4	10248.7	9987.0	9703.9	9330.1	9105.8	9009.6
37.5°	10045.7	10056.4	10264.7	10579.8	10996.4	11268.7	11039.1	10574.5	10189.9	9901.5	9768.0
40°	11007.0	11028.4	11242.0	11599.9	12069.8	12363.6	12096.5	11626.6	11113.9	10889.5	10889.5
42.5°	12133.9	12224.7	12363.6	12673.3	13095.2	13421.0	13180.7	12812.2	12294.1	12005.7	12048.5
45°	13292.8	13335.6	13426.3	13885.6	14083.2	14243.5	14019.2	13848.3	13501.1	13148.6	13089.9
47.5°	14377.0	14393.0	14660.0	14804.2	14959.1	14825.6	14969.8	14745.5	14355.6	14013.8	13944.4
50°	14857.6	14830.9	15210.1	15648.1	15765.5	15530.6	15407.7	15258.2	14665.4	14254.1	14072.6
52.5°	13458.4	13613.3	14318.2	15535.9	16454.5	16652.1	15936.4	15247.5	14142.0	13340.9	13218.1
54°	11856.2	12000.4	12582.5	14387.7	16299.6	16967.2	15813.6	14350.3	12790.8	11840.2	11717.3
55°	10270.0	10109.8	11167.3	13009.8	15573.3	16689.5	15327.6	13191.4	11407.6	10537.1	10366.2
57.5°	5559.6	5586.3	6478.2	8219.2	10943.0	12796.2	11300.8	8924.2	6739.9	5762.5	5677.1
60°	1762.4	1805.1	2195.0	3321.9	5228.5	6243.2	5351.3	3583.6	2478.1	1986.7	1906.6
62.5°	550.1	571.4	624.9	929.3	1431.3	2045.5	1602.2	961.3	715.6	656.9	667.6
65°	336.5	336.5	341.8	363.2	427.3	496.7	480.7	421.9	405.9	395.2	389.9
67.5°	219.0	213.6	224.3	240.3	251.0	256.4	272.4	288.4	283.1	272.4	272.4
70°	133.5	128.2	138.9	160.2	165.6	176.2	192.3	213.6	208.3	197.6	202.9
72.5°	74.8	74.8	80.1	96.1	112.2	122.8	138.9	154.9	160.2	154.9	154.9
75°	26.7	32.0	42.7	58.7	69.4	85.5	101.5	117.5	133.5	122.8	117.5
77.5°	10.7	10.7	21.4	37.4	53.4	69.4	96.1	112.2	122.8	112.2	101.5
80°	5.3	5.3	16.0	32.0	48.1	64.1	80.1	96.1	101.5	90.8	80.1
82.5°	5.3	5.3	16.0	32.0	48.1	58.7	85.5	96.1	106.8	96.1	80.1
85°	0.0	5.3	16.0	32.0	42.7	48.1	48.1	32.0	26.7	16.0	16.0
87.5°	0.0	0.0	5.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)