

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: P533372

Luminaire Tested: **GALN-SA8D-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P533372  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SA8D-740-U-5NQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(8) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V  
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 56266 lumens  
Efficiency: N/A  
Efficacy: 114.1 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G2

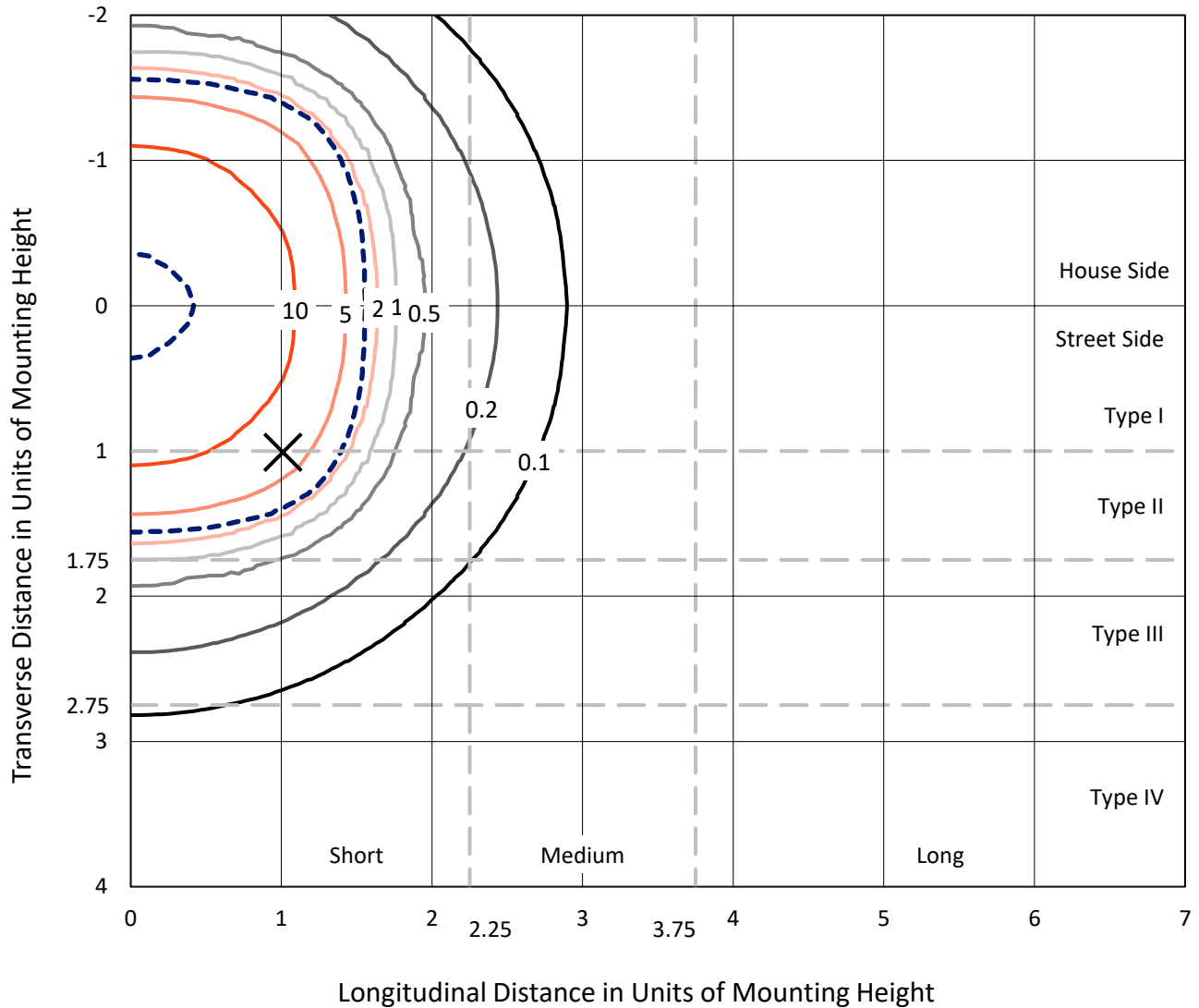
Input Watts (W): 493  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

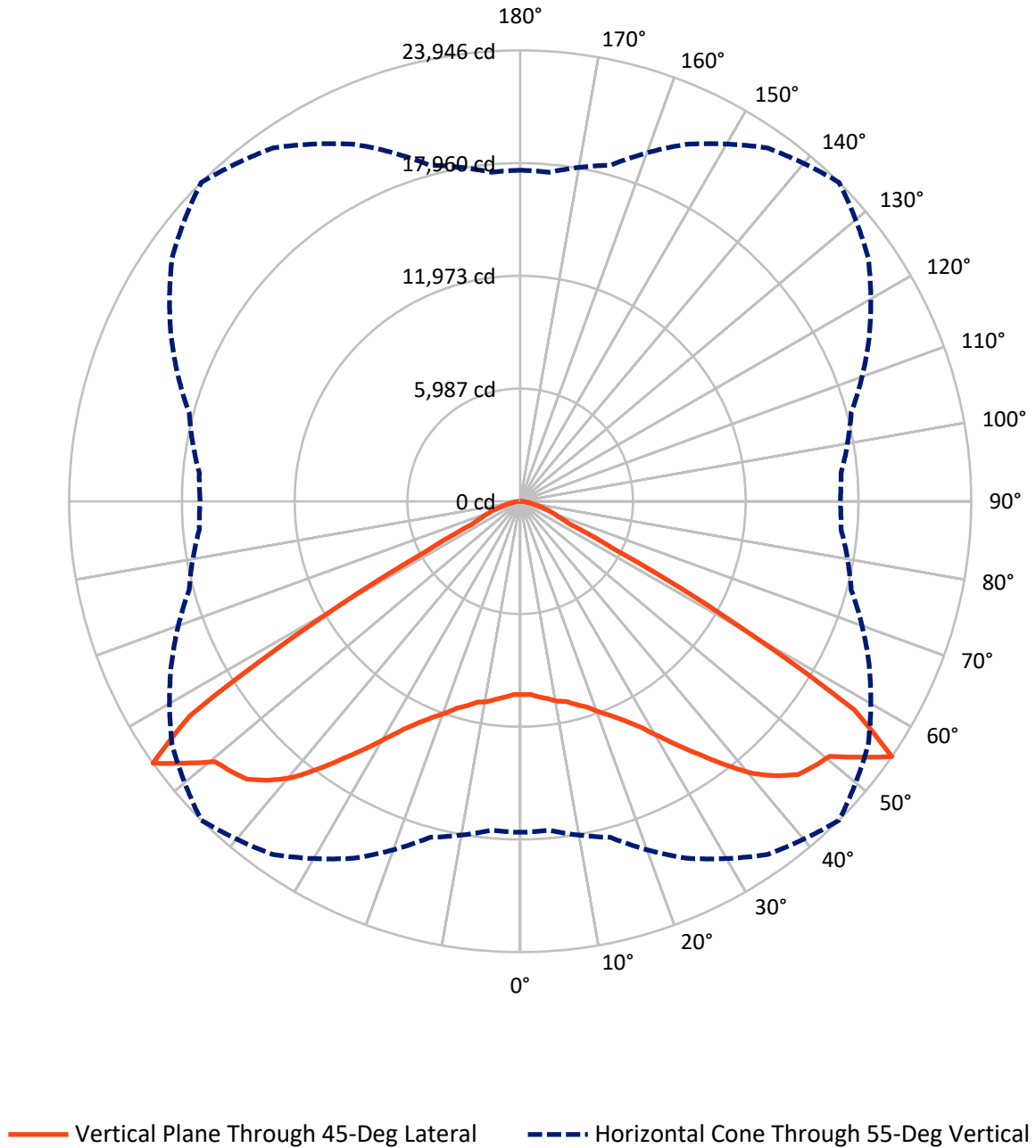
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	28133.0	0.0	28133.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	28133.0	0.0	28133.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	56266.0	0.0	56266.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	1003.6	1.8
10°-20°	3179.9	5.7
20°-30°	5929.6	10.5
30°-40°	9928.0	17.6
40°-50°	15448.8	27.5
50°-60°	16040.7	28.5
60°-70°	3401.7	6.0
70°-80°	1120.3	2.0
80°-90°	213.4	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°	56266.0	100.0
0°-180°	56266.0	100.0

**Coefficient of Utilization**



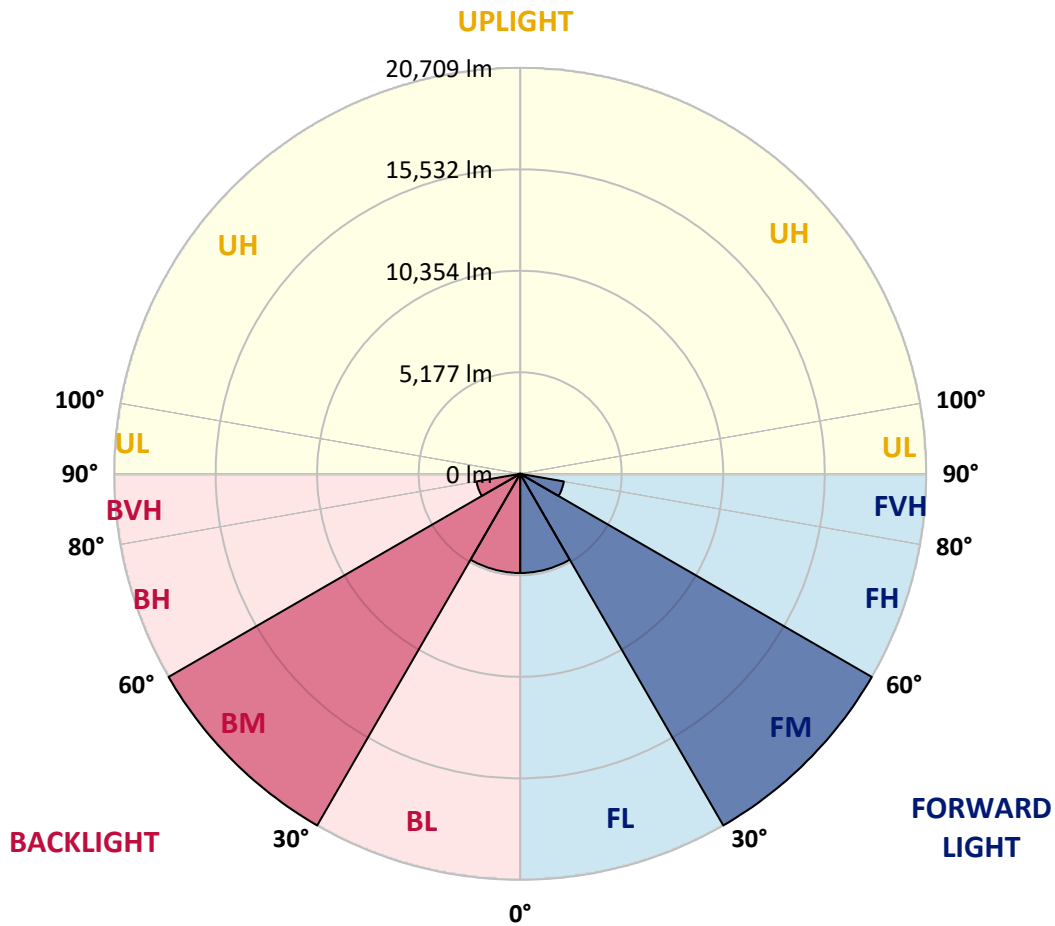
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5056.6	9.0			
FM (30°-60°)	20708.8	36.8			
FH (60°-80°)	2261.0	4.0			G2/5000
FVH (80°-90°)	106.7	0.2			G2/225
BL (0°-30°)	5056.6	9.0	B5		
BM (30°-60°)	20708.8	36.8	B5		
BH (60°-80°)	2261.0	4.0	B3/2500		G2/5000
BVH (80°-90°)	106.7	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-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3	10273.3
2.5°	10395.7	10348.1	10266.5	10327.7	10375.3	10273.3	10314.1	10334.5	10320.9	10266.5	10286.9
5°	10545.3	10518.1	10450.1	10497.7	10436.5	10436.5	10395.7	10341.3	10422.9	10409.3	10443.3
7.5°	10545.3	10511.3	10647.3	10558.9	10586.1	10586.1	10518.1	10463.7	10504.5	10443.3	10409.3
10°	10756.1	10803.7	10742.5	10762.9	10749.3	10796.9	10694.9	10660.9	10626.9	10606.5	10565.7
12.5°	11007.6	10973.6	10994.0	10980.4	11028.0	10905.6	10844.5	10769.7	10830.9	10742.5	10803.7
15°	11211.6	11191.2	11211.6	11266.0	11218.4	11211.6	11102.8	11028.0	10932.8	10953.2	10858.0
17.5°	11490.4	11470.0	11476.8	11524.4	11517.6	11483.6	11402.0	11259.2	11225.2	11170.8	11109.6
20°	11905.1	11871.1	11857.5	11877.9	11911.9	11939.1	11775.9	11721.5	11605.9	11517.6	11415.6
22.5°	12258.6	12245.1	12299.4	12211.1	12285.8	12367.4	12211.1	12183.9	11898.3	11850.7	11741.9
25°	12748.2	12727.8	12693.8	12823.0	12911.4	12904.6	12755.0	12605.4	12387.8	12333.4	12333.4
27.5°	13264.9	13149.3	13326.1	13360.1	13516.5	13564.1	13434.9	13217.3	13013.3	12897.8	12925.0
30°	13910.8	13802.0	13842.8	14087.6	14291.6	14468.3	14142.0	13822.4	13536.9	13332.9	13298.9
32.5°	14556.7	14447.9	14570.3	14808.3	15216.2	15481.4	15161.8	14604.3	14271.2	13972.0	14033.2
35°	15080.2	15161.8	15359.0	15719.4	16140.9	16569.2	16059.3	15631.0	15155.0	14821.9	14869.5
37.5°	15923.3	16174.9	16331.3	16746.0	17344.3	17786.3	17255.9	16698.4	16188.5	15753.3	15603.8
40°	17024.8	17194.7	17371.5	17861.0	18568.1	19010.1	18507.0	17779.5	17276.3	16827.6	16807.2
42.5°	18235.0	18398.2	18581.7	19180.1	19601.6	19934.8	19472.4	19084.9	18527.4	18173.8	18153.4
45°	19642.4	19526.8	19730.8	20125.1	20478.7	20696.2	20397.1	20206.7	19805.6	19479.2	19445.2
47.5°	20580.7	20478.7	20845.8	21199.4	21253.8	21015.8	21077.0	21253.8	20832.2	20295.1	20465.1
50°	21124.6	21124.6	21369.3	21695.7	21593.7	21287.8	21770.5	21784.1	21362.5	20886.6	20886.6
52.5°	20179.5	20390.3	21083.8	22151.2	22491.2	22579.6	22470.8	22008.5	20907.0	19934.8	19887.2
55°	17582.3	17534.7	18473.0	20920.6	22899.1	23946.2	22559.2	20431.1	18194.2	17099.6	16990.8
57.5°	11436.0	11490.4	12891.0	15386.2	18955.7	20907.0	18568.1	15576.6	12891.0	11381.6	11524.4
60°	5146.9	5330.4	6180.3	8043.3	11109.6	12700.6	11136.8	8451.2	6486.3	5629.6	5704.4
62.5°	2957.6	2991.6	3025.6	3589.9	4732.1	5595.6	4915.7	3793.9	3345.1	3195.5	3195.5
65°	2495.2	2474.8	2481.6	2529.2	2651.6	2828.4	2753.6	2651.6	2665.2	2651.6	2631.2
67.5°	2121.3	2148.5	2128.1	2162.1	2168.9	2196.1	2243.7	2284.5	2291.3	2304.9	2291.3
70°	1740.6	1747.4	1760.9	1788.1	1794.9	1815.3	1883.3	1917.3	1937.7	1937.7	1964.9
72.5°	1332.6	1325.8	1339.4	1366.6	1400.6	1407.4	1468.6	1516.2	1543.4	1509.4	1516.2
75°	877.1	883.9	904.3	924.7	972.3	1019.9	1040.3	1087.8	1094.6	1108.2	1074.2
77.5°	523.5	537.1	557.5	598.3	639.1	679.9	727.5	761.5	775.1	761.5	720.7
80°	340.0	340.0	367.1	401.1	448.7	482.7	509.9	537.1	557.5	537.1	523.5
82.5°	210.8	210.8	244.8	285.6	319.6	340.0	380.7	414.7	435.1	421.5	401.1
85°	108.8	115.6	142.8	176.8	204.0	217.6	210.8	190.4	170.0	163.2	149.6
87.5°	34.0	34.0	40.8	40.8	34.0	34.0	40.8	34.0	40.8	40.8	40.8
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)