

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: P531500

Luminaire Tested: **GALN-SA6D-740-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531500
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-SA6D-740-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 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: 41319 lumens
Efficiency: N/A
Efficacy: 112.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

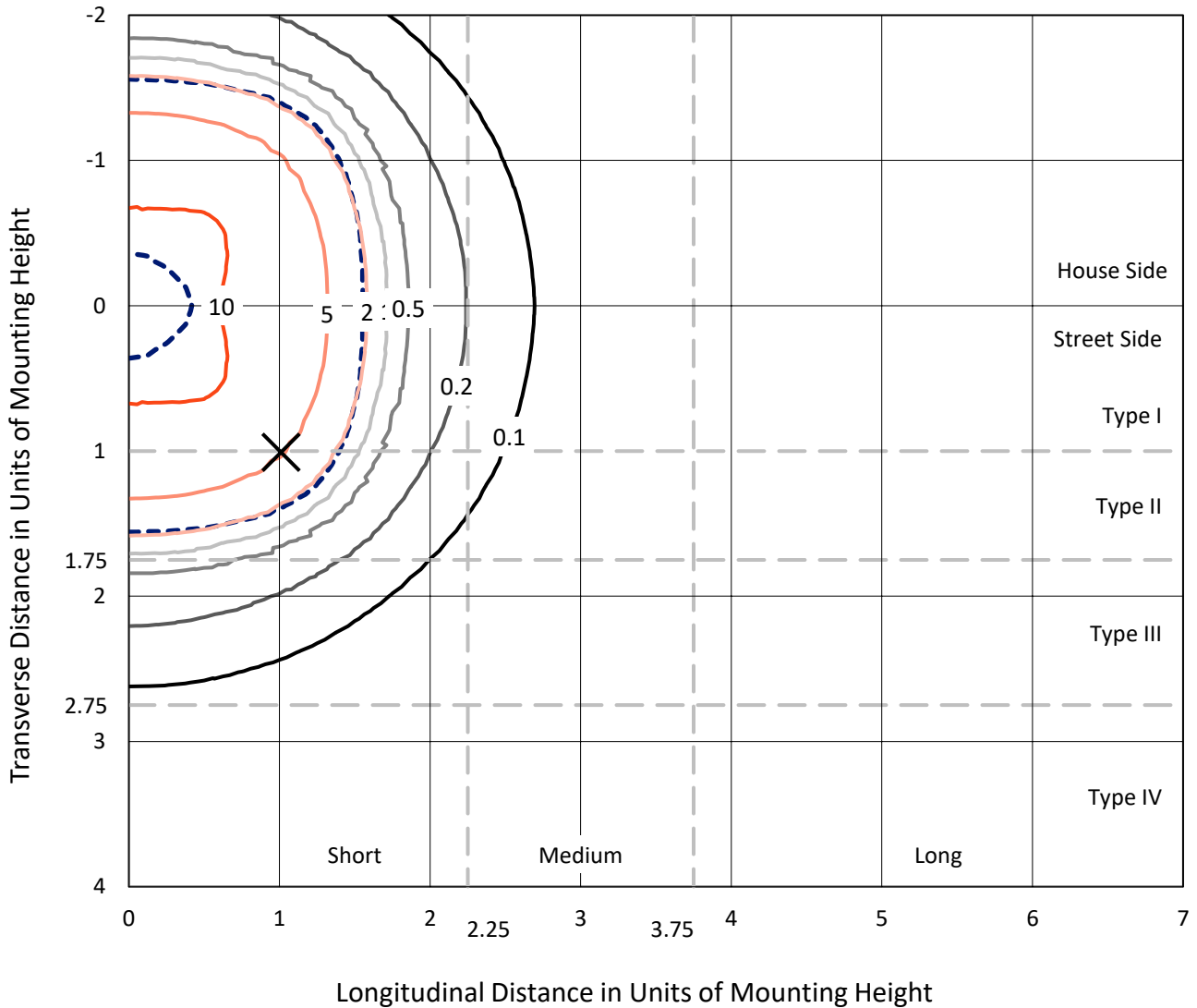
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

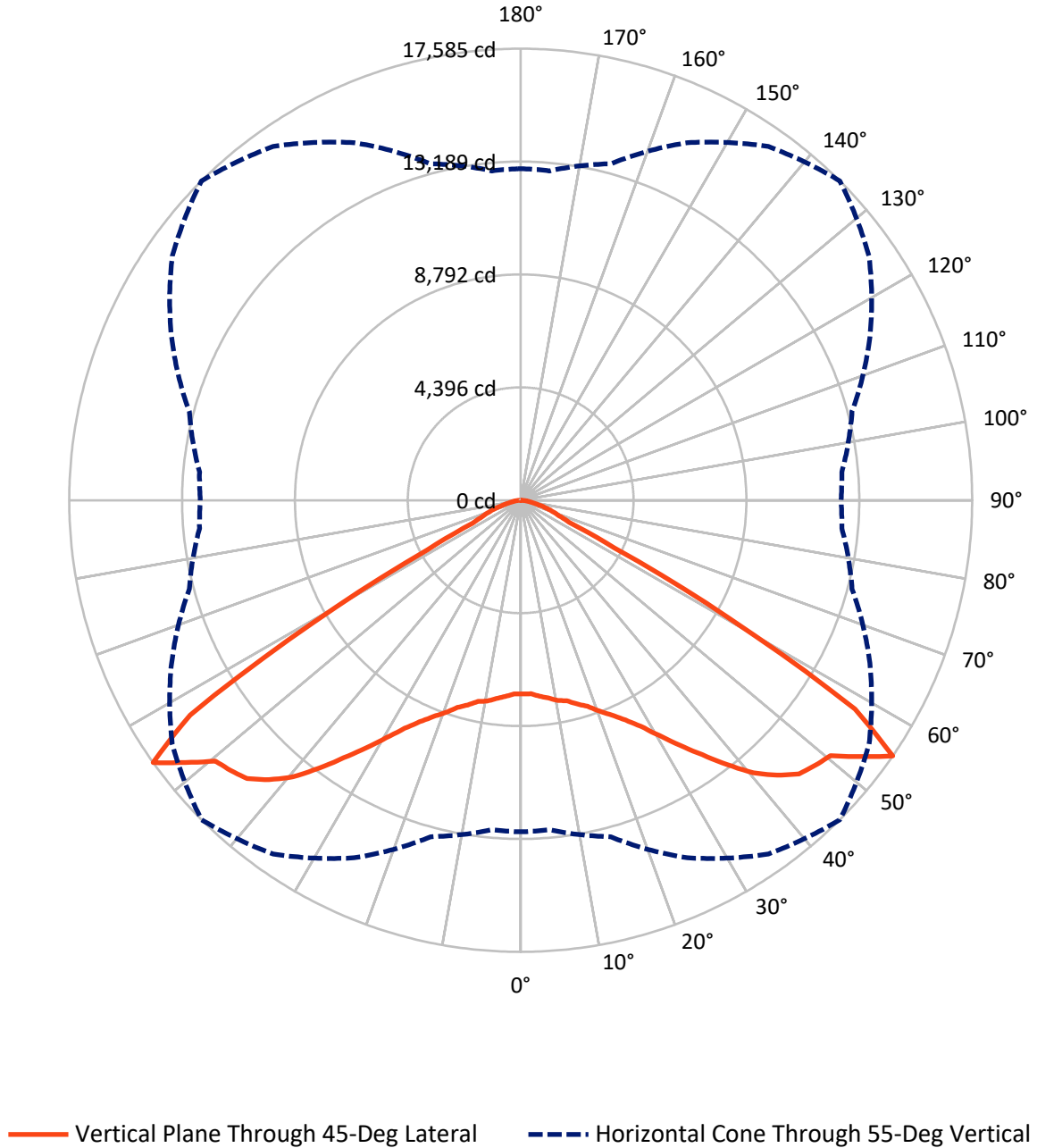
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20659.5	0.0	20659.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20659.5	0.0	20659.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41319.0	0.0	41319.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	737.0	1.8
10°-20°	2335.2	5.7
20°-30°	4354.4	10.5
30°-40°	7290.7	17.6
40°-50°	11344.8	27.5
50°-60°	11779.5	28.5
60°-70°	2498.0	6.0
70°-80°	822.7	2.0
80°-90°	156.7	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°	41319.0	100.0
0°-180°	41319.0	100.0

Coefficient of Utilization

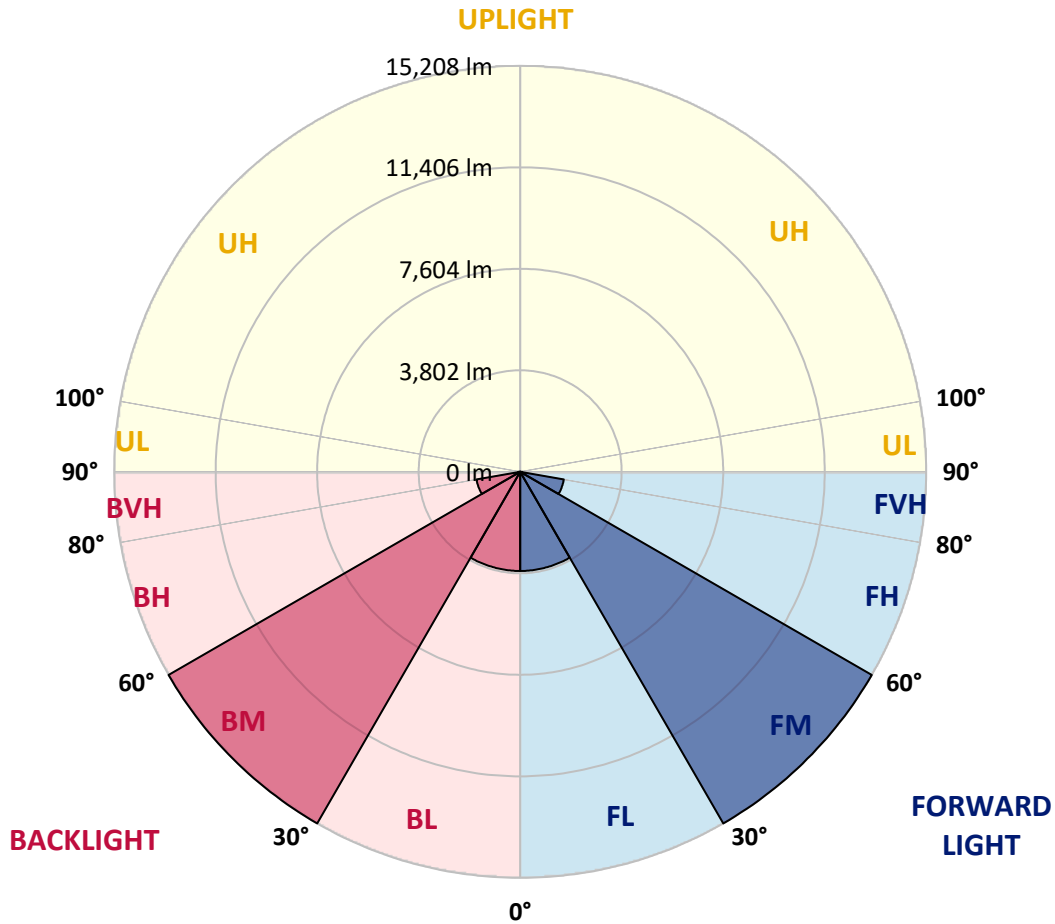


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3713.3	9.0			
FM (30°-60°)	15207.5	36.8			
FH (60°-80°)	1660.4	4.0			G1/1800
FVH (80°-90°)	78.3	0.2			G1/100
BL (0°-30°)	3713.3	9.0	B4/5000		
BM (30°-60°)	15207.5	36.8	B5		
BH (60°-80°)	1660.4	4.0	B3/2500		G1/1800
BVH (80°-90°)	78.3	0.2			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°	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2	7544.2
2.5°	7634.1	7599.2	7539.2	7584.2	7619.1	7544.2	7574.2	7589.2	7579.2	7539.2	7554.2
5°	7743.9	7724.0	7674.0	7709.0	7664.1	7664.1	7634.1	7594.2	7654.1	7644.1	7669.1
7.5°	7743.9	7719.0	7818.8	7753.9	7773.9	7773.9	7724.0	7684.0	7714.0	7669.1	7644.1
10°	7898.7	7933.7	7888.7	7903.7	7893.7	7928.7	7853.8	7828.8	7803.9	7788.9	7758.9
12.5°	8083.5	8058.5	8073.5	8063.5	8098.4	8008.6	7963.6	7908.7	7953.6	7888.7	7933.7
15°	8233.2	8218.3	8233.2	8273.2	8238.2	8233.2	8153.4	8098.4	8028.5	8043.5	7973.6
17.5°	8438.0	8423.0	8428.0	8462.9	8457.9	8433.0	8373.1	8268.2	8243.2	8203.3	8158.4
20°	8742.5	8717.6	8707.6	8722.6	8747.5	8767.5	8647.7	8607.7	8522.8	8457.9	8383.0
22.5°	9002.2	8992.2	9032.1	8967.2	9022.1	9082.0	8967.2	8947.2	8737.5	8702.6	8622.7
25°	9361.6	9346.7	9321.7	9416.6	9481.5	9476.5	9366.6	9256.8	9097.0	9057.1	9057.1
27.5°	9741.1	9656.2	9786.0	9811.0	9925.8	9960.8	9865.9	9706.1	9556.4	9471.5	9491.5
30°	10215.4	10135.5	10165.5	10345.2	10495.0	10624.8	10385.2	10150.5	9940.8	9791.0	9766.1
32.5°	10689.7	10609.9	10699.7	10874.5	11174.1	11368.8	11134.1	10724.7	10480.0	10260.4	10305.3
35°	11074.2	11134.1	11278.9	11543.5	11853.1	12167.6	11793.2	11478.6	11129.1	10884.5	10919.4
37.5°	11693.3	11878.0	11992.9	12297.4	12736.8	13061.4	12671.9	12262.5	11888.0	11568.5	11458.6
40°	12502.2	12627.0	12756.8	13116.3	13635.5	13960.1	13590.6	13056.4	12686.9	12357.4	12342.4
42.5°	13390.9	13510.7	13645.5	14084.9	14394.5	14639.1	14299.6	14015.0	13605.6	13346.0	13331.0
45°	14424.4	14339.5	14489.3	14778.9	15038.5	15198.3	14978.6	14838.8	14544.2	14304.6	14279.6
47.5°	15113.4	15038.5	15308.2	15567.8	15607.7	15433.0	15477.9	15607.7	15298.2	14903.7	15028.6
50°	15512.9	15512.9	15692.6	15932.3	15857.4	15632.7	15987.2	15997.2	15687.6	15338.1	15338.1
52.5°	14818.9	14973.6	15482.9	16266.8	16516.4	16581.3	16501.4	16161.9	15353.1	14639.1	14604.2
55°	12911.6	12876.6	13565.6	15363.1	16816.0	17584.9	16566.4	15003.6	13360.9	12557.1	12477.2
57.5°	8398.0	8438.0	9466.5	11298.9	13920.1	15353.1	13635.5	11438.7	9466.5	8358.1	8462.9
60°	3779.6	3914.4	4538.5	5906.6	8158.4	9326.7	8178.3	6206.1	4763.2	4134.1	4189.0
62.5°	2171.9	2196.9	2221.8	2636.2	3475.0	4109.1	3609.8	2786.0	2456.5	2346.7	2346.7
65°	1832.4	1817.4	1822.4	1857.3	1947.2	2077.0	2022.1	1947.2	1957.2	1947.2	1932.2
67.5°	1557.8	1577.7	1562.8	1587.7	1592.7	1612.7	1647.6	1677.6	1682.6	1692.6	1682.6
70°	1278.2	1283.2	1293.2	1313.1	1318.1	1333.1	1383.0	1408.0	1423.0	1423.0	1442.9
72.5°	978.6	973.6	983.6	1003.6	1028.5	1033.5	1078.5	1113.4	1133.4	1108.4	1113.4
75°	644.1	649.1	664.1	679.0	714.0	748.9	763.9	798.9	803.9	813.8	788.9
77.5°	384.5	394.4	409.4	439.4	469.3	499.3	534.2	559.2	569.2	559.2	529.2
80°	249.6	249.6	269.6	294.6	329.5	354.5	374.5	394.4	409.4	394.4	384.5
82.5°	154.8	154.8	179.7	209.7	234.7	249.6	279.6	304.6	319.5	309.6	294.6
85°	79.9	84.9	104.9	129.8	149.8	159.8	154.8	139.8	124.8	119.8	109.8
87.5°	25.0	25.0	30.0	30.0	25.0	25.0	30.0	25.0	30.0	30.0	30.0
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)