

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: P531454

Luminaire Tested: **GALN-SA6D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531454
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36607 lumens
Efficiency: N/A
Efficacy: 99.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

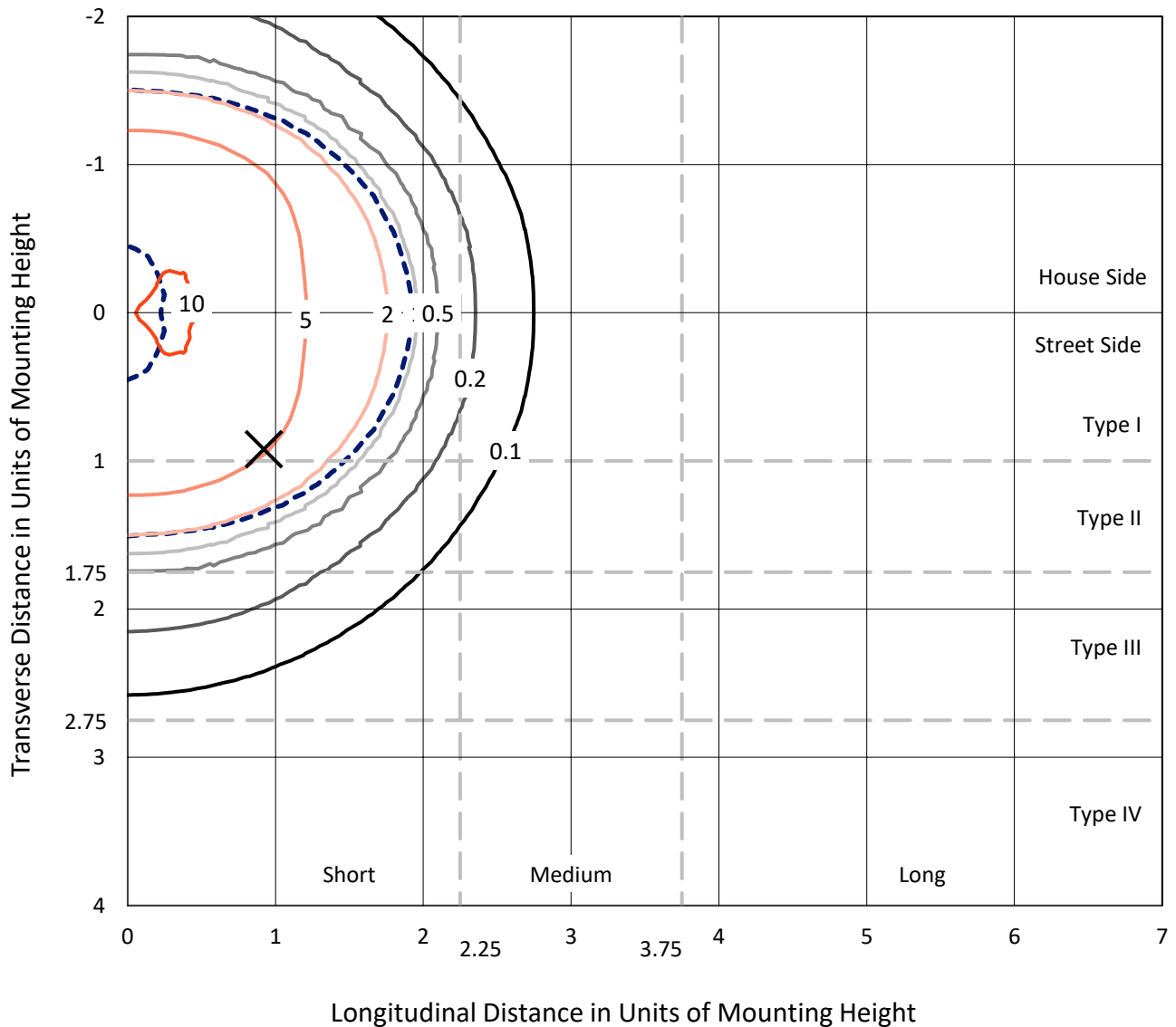
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

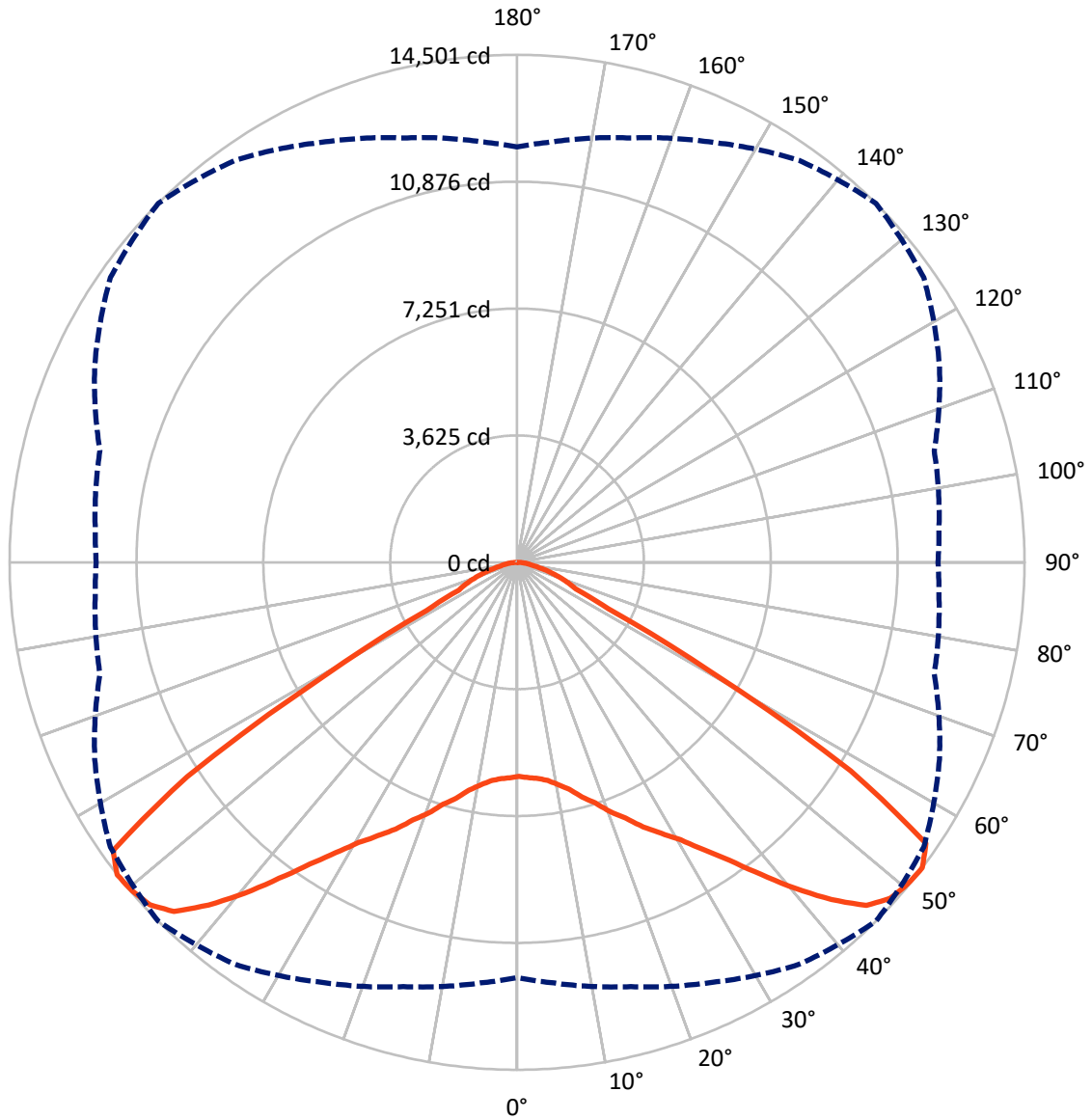
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18303.5	0.0	18303.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18303.5	0.0	18303.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36607.0	0.0	36607.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	601.2	1.6
10°-20°	1975.5	5.4
20°-30°	3761.1	10.3
30°-40°	6458.1	17.6
40°-50°	9926.3	27.1
50°-60°	10080.0	27.5
60°-70°	2809.2	7.7
70°-80°	828.7	2.3
80°-90°	166.9	0.5
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°	36607.0	100.0
0°-180°	36607.0	100.0

Coefficient of Utilization



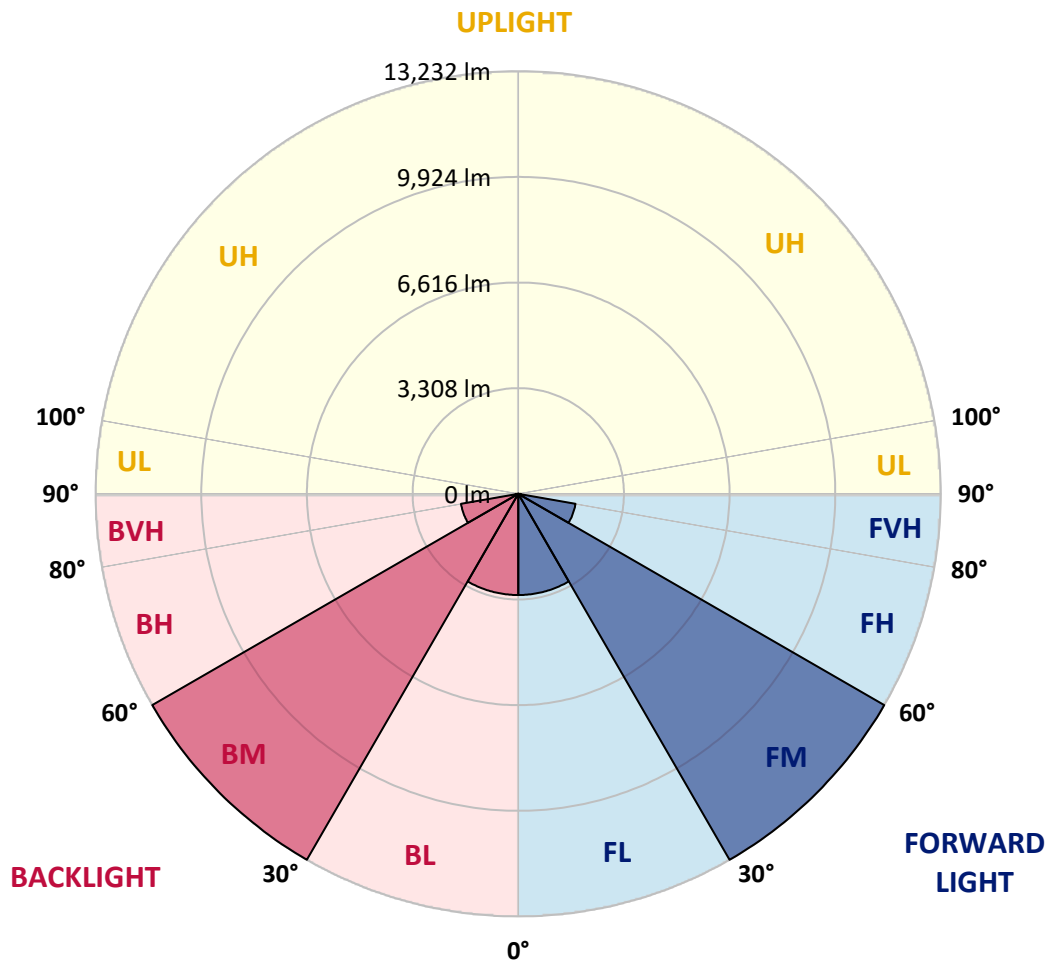
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3168.9	8.7			
FM (30°-60°)	13232.2	36.1			
FH (60°-80°)	1818.9	5.0			G2/5000
FVH (80°-90°)	83.5	0.2			G1/100
BL (0°-30°)	3168.9	8.7	B4/5000		
BM (30°-60°)	13232.2	36.1	B5		
BH (60°-80°)	1818.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	83.5	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3	6119.3
2.5°	6133.0	6069.4	6092.1	6105.7	6164.8	6160.2	6146.6	6164.8	6182.9	6187.5	6178.4
5°	6128.4	6083.0	6101.2	6114.8	6173.9	6205.7	6196.6	6273.8	6328.3	6314.7	6382.8
7.5°	6092.1	6119.3	6096.6	6164.8	6214.7	6292.0	6373.7	6446.4	6514.6	6591.8	6605.4
10°	6173.9	6173.9	6214.7	6269.3	6401.0	6460.1	6578.2	6682.7	6814.4	6905.3	6868.9
12.5°	6260.2	6273.8	6273.8	6414.6	6523.7	6655.4	6764.4	6905.3	7091.5	7200.6	7255.1
15°	6346.5	6355.6	6401.0	6591.8	6755.4	6964.3	7064.3	7191.5	7296.0	7500.4	7504.9
17.5°	6423.7	6473.7	6610.0	6823.5	7027.9	7227.8	7386.8	7518.6	7609.4	7691.2	7673.0
20°	6714.5	6750.8	6891.6	7105.2	7409.5	7604.9	7659.4	7682.1	7741.2	7904.7	7854.7
22.5°	6996.1	7009.8	7141.5	7468.6	7682.1	7941.1	8000.1	7986.5	8009.2	8050.1	8122.8
25°	7286.9	7309.6	7491.3	7768.4	8068.3	8377.2	8427.2	8322.7	8290.9	8336.3	8340.8
27.5°	7659.4	7663.9	7895.6	8136.4	8477.1	8767.9	8845.1	8763.3	8613.4	8649.8	8708.8
30°	8131.9	8100.1	8331.8	8677.0	9035.9	9199.5	9331.2	9290.3	9126.8	9095.0	9045.0
32.5°	8677.0	8686.1	8895.1	9272.1	9508.4	9781.0	9921.8	9853.6	9749.2	9694.6	9726.4
35°	9444.8	9485.7	9626.5	9940.0	10321.6	10457.9	10680.5	10535.1	10262.5	10330.6	10389.7
37.5°	10076.2	10194.4	10457.9	10830.4	11057.5	11307.4	11389.2	11193.8	10993.9	10912.1	11107.5
40°	11043.9	11007.5	11298.3	11670.8	12007.0	12256.9	12152.4	11957.0	11461.8	11466.4	11520.9
42.5°	11875.2	11893.4	12116.0	12561.2	13020.1	13174.5	12842.9	12365.9	11816.2	11757.1	11875.2
45°	12574.9	12647.5	12774.8	13369.9	13819.6	13987.7	13374.4	12811.1	12075.1	11829.8	12025.2
47.5°	12824.7	12942.8	13220.0	13765.1	14210.3	14346.6	13856.0	13047.3	12315.9	11916.1	12020.6
50°	12861.1	12820.2	13274.5	13774.2	14164.9	14460.2	14028.6	13220.0	12256.9	12047.9	12016.1
52.5°	11866.2	12066.1	12552.1	13238.1	14028.6	14501.1	14183.1	13315.4	12338.6	12102.4	12025.2
55°	9603.8	9367.5	10253.4	11407.3	12861.1	14174.0	14128.5	13365.3	12388.6	12193.3	12088.8
57.5°	5360.7	5428.8	5928.5	7182.4	9058.6	11239.2	12561.2	12838.4	12365.9	12252.3	12306.8
60°	2480.4	2503.2	2716.7	3302.7	4465.7	6373.7	8113.7	9880.9	10694.1	10857.6	10857.6
62.5°	1849.0	1839.9	1894.4	1998.9	2244.2	2930.2	3911.5	5315.2	6432.8	7214.2	7418.6
65°	1671.8	1667.3	1694.5	1730.9	1749.0	1844.4	2062.5	2494.1	2857.5	3066.5	3030.1
67.5°	1462.8	1458.3	1467.4	1490.1	1521.9	1571.9	1626.4	1717.2	1844.4	1835.3	1812.6
70°	1181.2	1181.2	1194.8	1213.0	1249.3	1308.4	1372.0	1435.6	1544.6	1567.3	1562.8
72.5°	872.2	858.6	885.9	922.2	958.6	1031.2	1099.4	1158.5	1235.7	1258.4	1249.3
75°	554.2	563.3	581.5	622.4	686.0	736.0	808.6	858.6	908.6	926.8	931.3
77.5°	308.9	318.0	349.8	399.8	463.4	517.9	581.5	622.4	654.2	658.7	663.3
80°	186.3	190.8	222.6	268.0	322.5	381.6	431.6	472.5	499.7	486.1	481.6
82.5°	113.6	118.1	145.4	186.3	231.7	277.1	331.6	368.0	395.2	377.1	358.9
85°	59.1	63.6	86.3	113.6	149.9	172.6	172.6	154.5	149.9	140.8	136.3
87.5°	18.2	18.2	22.7	27.3	22.7	27.3	31.8	36.3	36.3	40.9	36.3
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)