

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: P531450

Luminaire Tested: **GALN-SA6D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531450
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
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-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 35443 lumens
Efficiency: N/A
Efficacy: 96.3 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

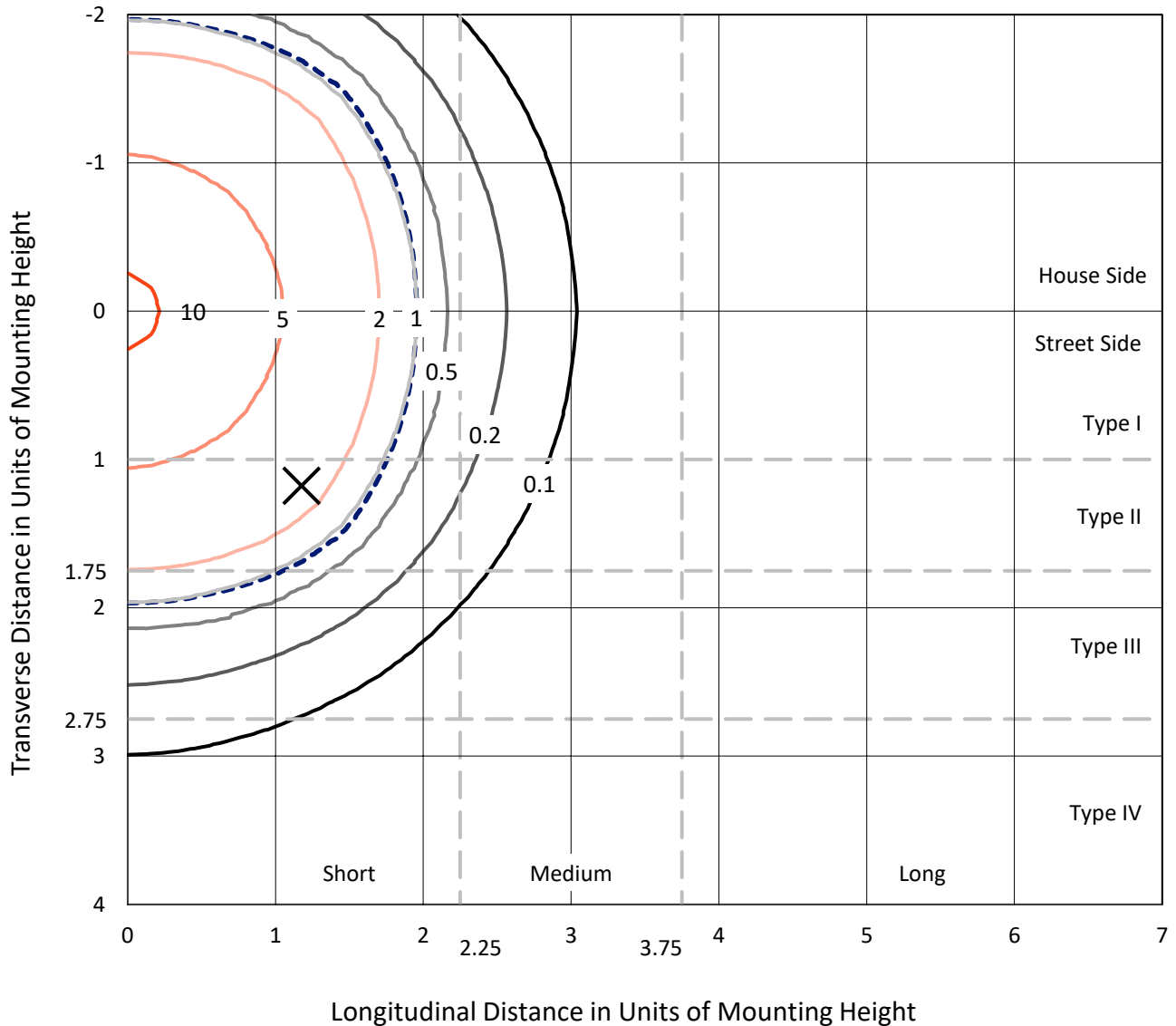
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

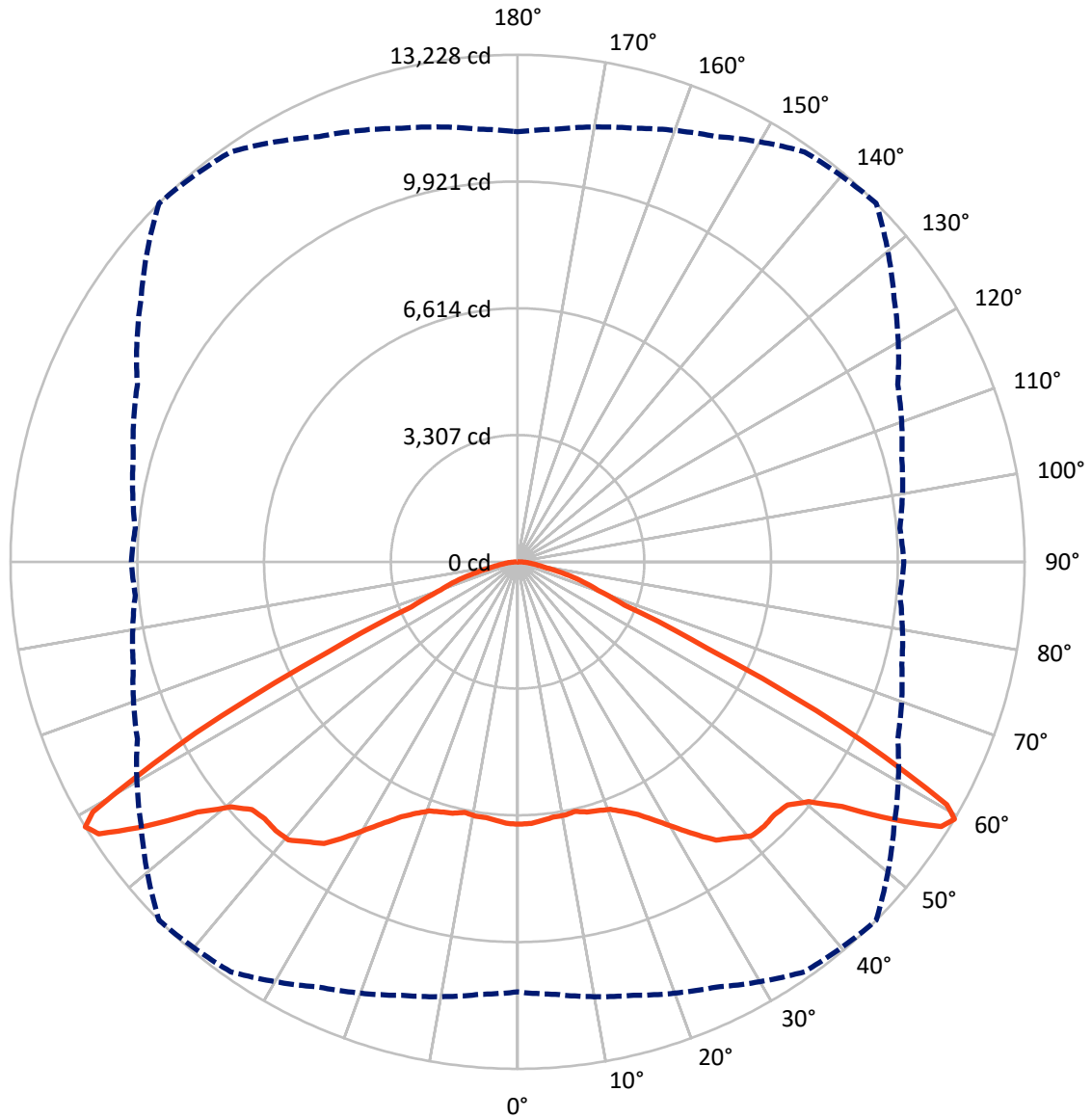
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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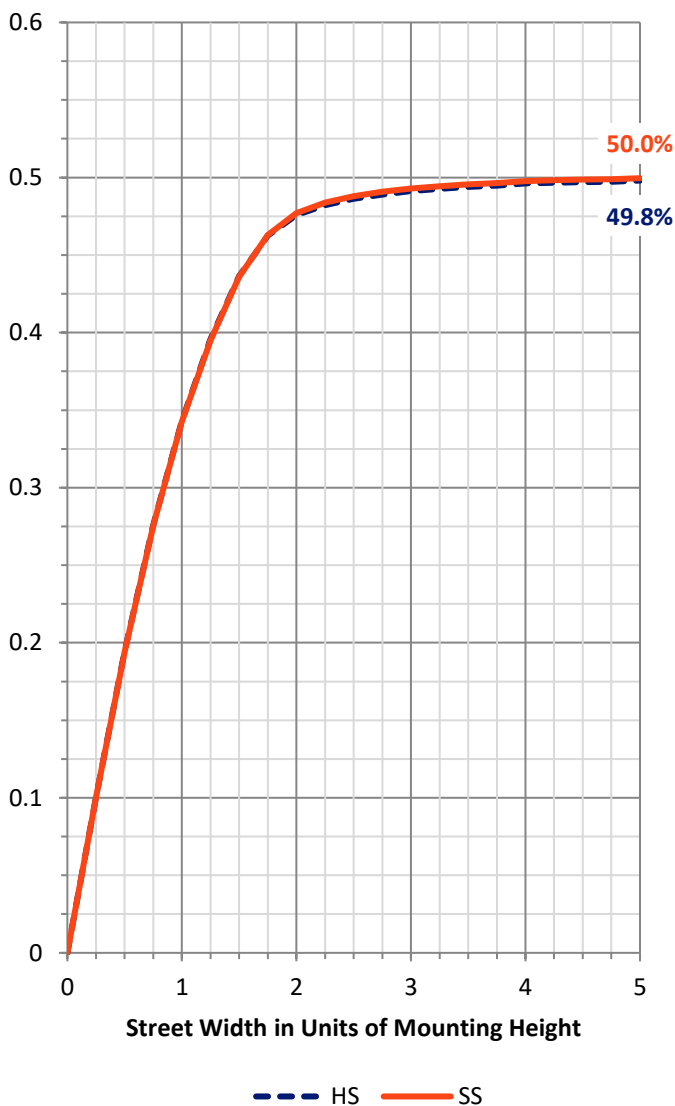
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17721.5	0.0	17721.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17721.5	0.0	17721.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	35443.0	0.0	35443.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	645.3	1.8
10°-20°	1919.2	5.4
20°-30°	3351.1	9.5
30°-40°	5352.1	15.1
40°-50°	7290.7	20.6
50°-60°	9858.9	27.8
60°-70°	5406.6	15.3
70°-80°	1383.2	3.9
80°-90°	235.9	0.7
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°	35443.0	100.0
0°-180°	35443.0	100.0

Coefficient of Utilization



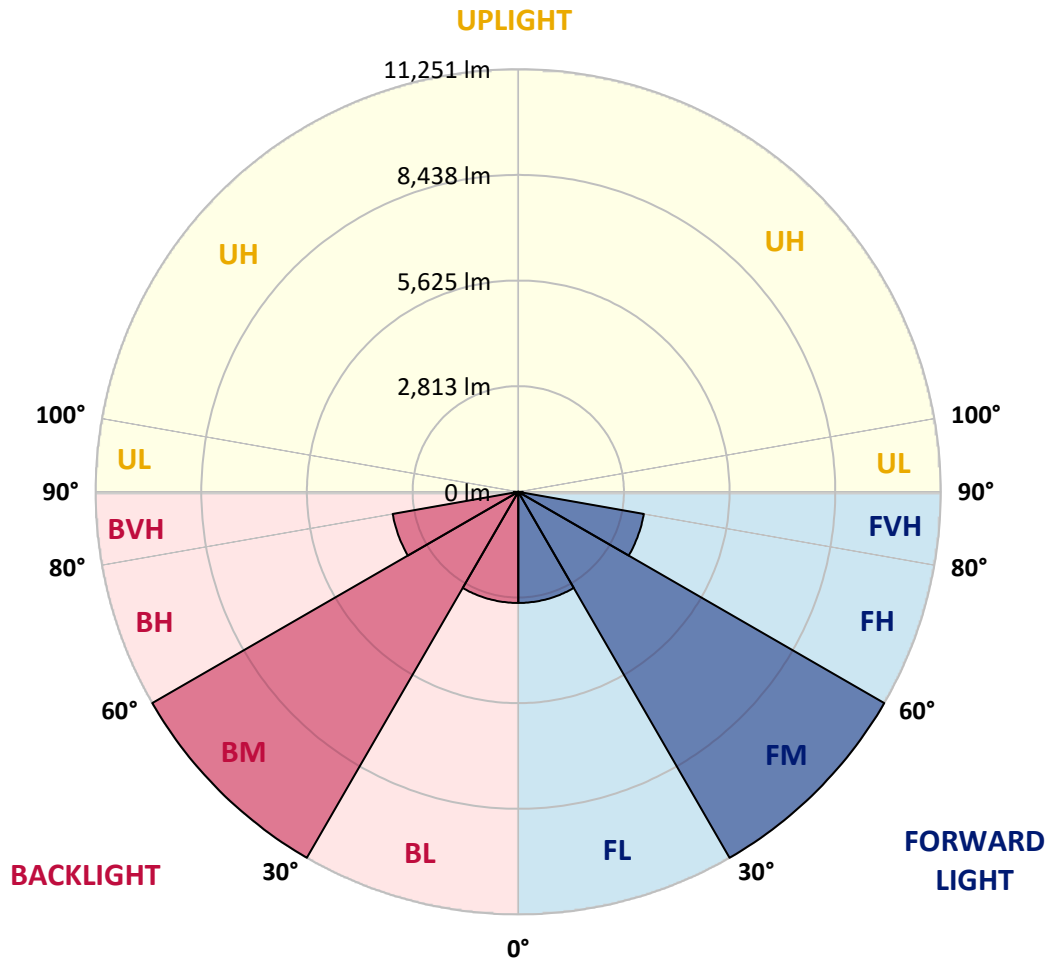
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2957.8	8.3			
FM (30°-60°)	11250.8	31.7			
FH (60°-80°)	3394.9	9.6			G2/5000
FVH (80°-90°)	118.0	0.3			G2/225
BL (0°-30°)	2957.8	8.3	B4/5000		
BM (30°-60°)	11250.8	31.7	B5		
BH (60°-80°)	3394.9	9.6	B4/5000		G2/5000
BVH (80°-90°)	118.0	0.3			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°	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9	6845.9
2.5°	6805.0	6855.0	6818.6	6850.4	6845.9	6832.3	6809.6	6795.9	6777.8	6805.0	6759.6
5°	6777.8	6818.6	6859.5	6805.0	6805.0	6777.8	6764.1	6736.9	6736.9	6732.3	6727.8
7.5°	6823.2	6782.3	6764.1	6773.2	6782.3	6723.2	6764.1	6709.6	6664.2	6696.0	6732.3
10°	6782.3	6800.5	6732.3	6764.1	6714.2	6723.2	6696.0	6732.3	6682.4	6682.4	6682.4
12.5°	6823.2	6773.2	6795.9	6773.2	6759.6	6682.4	6718.7	6677.8	6673.3	6718.7	6677.8
15°	6904.9	6823.2	6805.0	6759.6	6773.2	6773.2	6736.9	6741.4	6691.4	6718.7	6727.8
17.5°	6877.7	6832.3	6818.6	6764.1	6809.6	6823.2	6755.0	6709.6	6741.4	6736.9	6732.3
20°	6900.4	6918.6	6904.9	6914.0	6932.2	6895.9	6832.3	6768.7	6727.8	6786.8	6782.3
22.5°	7045.8	7027.6	7018.5	7009.4	7041.2	7077.6	6991.3	6891.3	6891.3	6932.2	6950.4
25°	7163.9	7159.3	7154.8	7195.7	7304.7	7304.7	7195.7	7068.5	7036.7	7063.9	7041.2
27.5°	7336.5	7386.5	7368.3	7441.0	7600.0	7636.3	7491.0	7341.1	7254.7	7222.9	7263.8
30°	7731.7	7672.7	7686.3	7763.5	7904.3	8022.5	7799.9	7640.9	7522.8	7518.2	7536.4
32.5°	7995.2	8040.6	8081.5	8154.2	8376.8	8467.6	8199.6	7940.7	7868.0	7827.1	7840.8
35°	8522.2	8481.3	8472.2	8544.9	8767.5	8917.4	8581.2	8354.1	8258.7	8349.5	8349.5
37.5°	9021.9	8908.3	8822.0	8917.4	9121.8	9140.0	8853.8	8731.1	8681.2	8785.6	8781.1
40°	9258.1	9249.0	9049.1	9103.6	9376.2	9403.4	9135.4	8990.1	8981.0	9117.3	9253.5
42.5°	9503.4	9417.1	9217.2	9253.5	9421.6	9430.7	9176.3	9135.4	9235.4	9367.1	9376.2
45°	9544.3	9471.6	9344.4	9253.5	9376.2	9403.4	9253.5	9280.8	9289.9	9448.9	9448.9
47.5°	9626.0	9617.0	9544.3	9476.1	9498.8	9476.1	9380.7	9421.6	9557.9	9635.1	9598.8
50°	9853.2	9757.8	9830.5	9771.4	9776.0	9839.6	9753.2	9794.1	9766.9	9698.7	9653.3
52.5°	10352.9	10307.5	10371.1	10411.9	10457.4	10602.7	10502.8	10284.7	10080.3	9898.6	9894.1
55°	11084.3	11116.1	11238.7	11447.7	11624.8	11856.5	11375.0	10852.6	10525.5	10239.3	10257.5
57.5°	11774.8	11752.0	11920.1	12397.1	12915.0	13033.1	12088.2	11343.2	10811.7	10630.0	10552.8
59°	11220.5	11329.6	11711.2	12242.7	13055.8	13228.4	11992.8	10943.4	10380.1	10012.2	10075.8
60°	10348.3	10389.2	10729.9	11470.4	12569.7	12865.0	11352.3	10325.6	9576.1	9362.6	9458.0
62.5°	7313.8	7282.0	7527.3	8131.5	9117.3	9517.0	8440.4	7718.1	7245.7	7009.4	7063.9
65°	3888.6	4033.9	4133.9	4510.9	5033.3	5455.8	5010.6	4697.2	4433.7	4238.4	4233.8
67.5°	2625.7	2607.5	2630.2	2716.6	2893.7	3011.8	3002.7	2843.7	2821.0	2784.7	2825.6
70°	2212.3	2203.2	2162.3	2162.3	2198.7	2225.9	2257.7	2275.9	2312.2	2357.7	2353.1
72.5°	1794.4	1771.7	1744.4	1730.8	1776.2	1789.8	1830.7	1848.9	1880.7	1876.1	1917.0
75°	1185.7	1185.7	1217.5	1253.8	1267.4	1294.7	1299.2	1353.7	1353.7	1362.8	1326.5
77.5°	663.2	645.1	667.8	704.1	735.9	785.9	835.9	876.7	899.5	890.4	890.4
80°	386.1	386.1	408.8	449.7	490.6	536.0	572.4	604.2	626.9	617.8	599.6
82.5°	240.8	240.8	263.5	304.4	336.2	363.4	413.4	454.3	481.5	472.4	449.7
85°	122.7	122.7	149.9	177.2	218.1	236.2	231.7	213.5	209.0	186.3	186.3
87.5°	31.8	31.8	45.4	50.0	40.9	45.4	45.4	45.4	45.4	45.4	50.0
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)