

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: P533326

Luminaire Tested: **GALN-SA8D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533326
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-SA8D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 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: 49850 lumens
Efficiency: N/A
Efficacy: 101.1 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

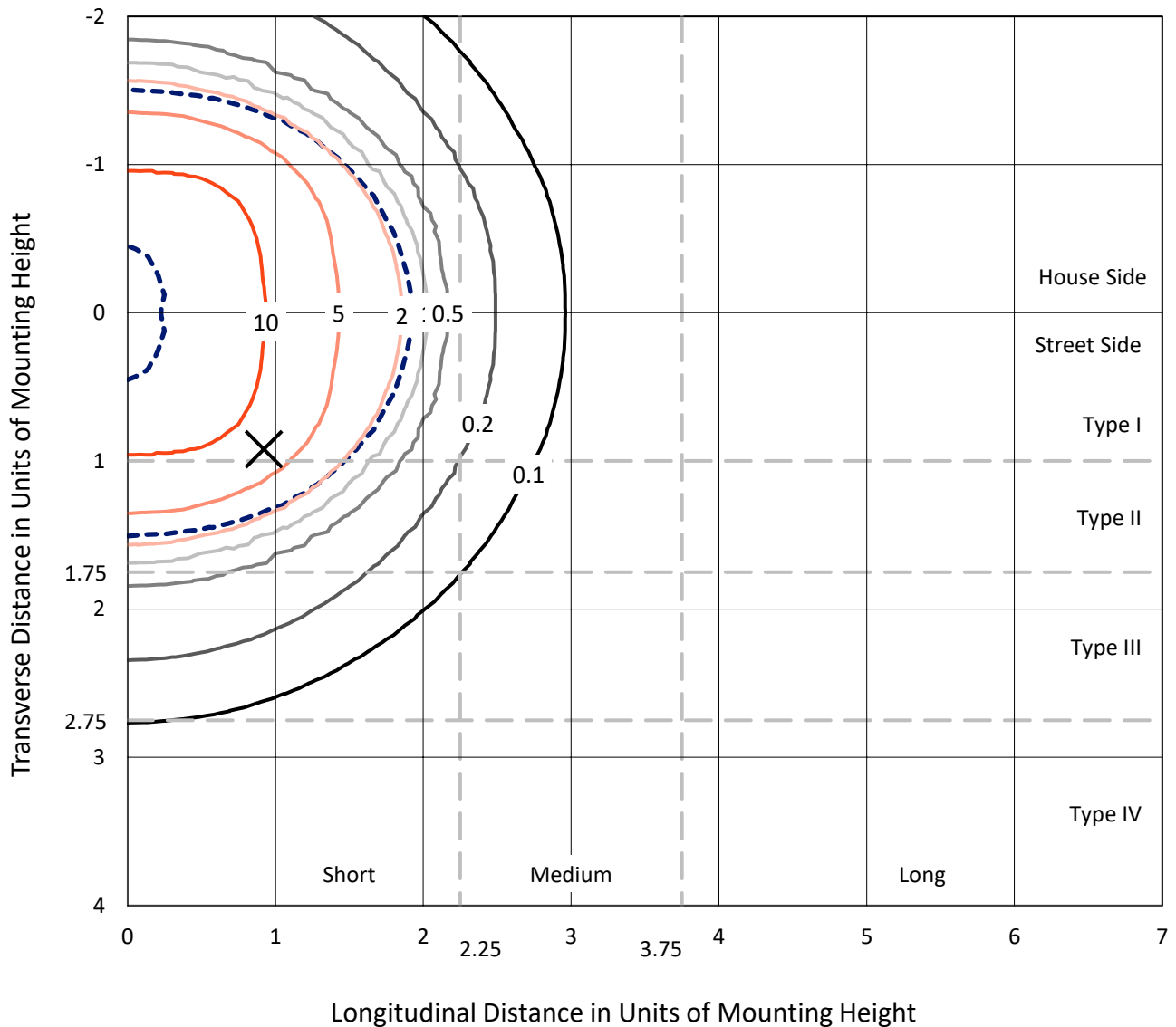
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

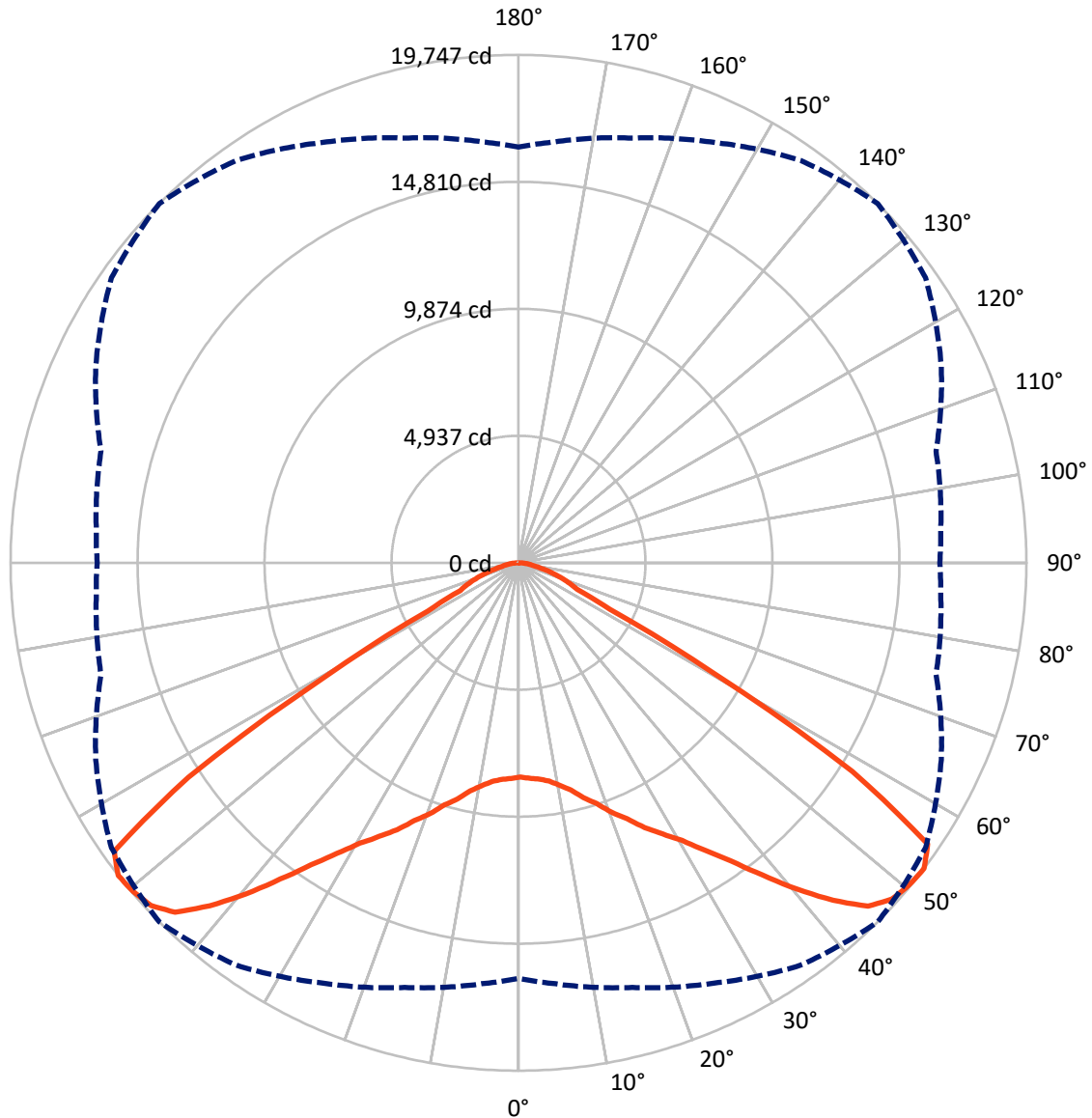
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 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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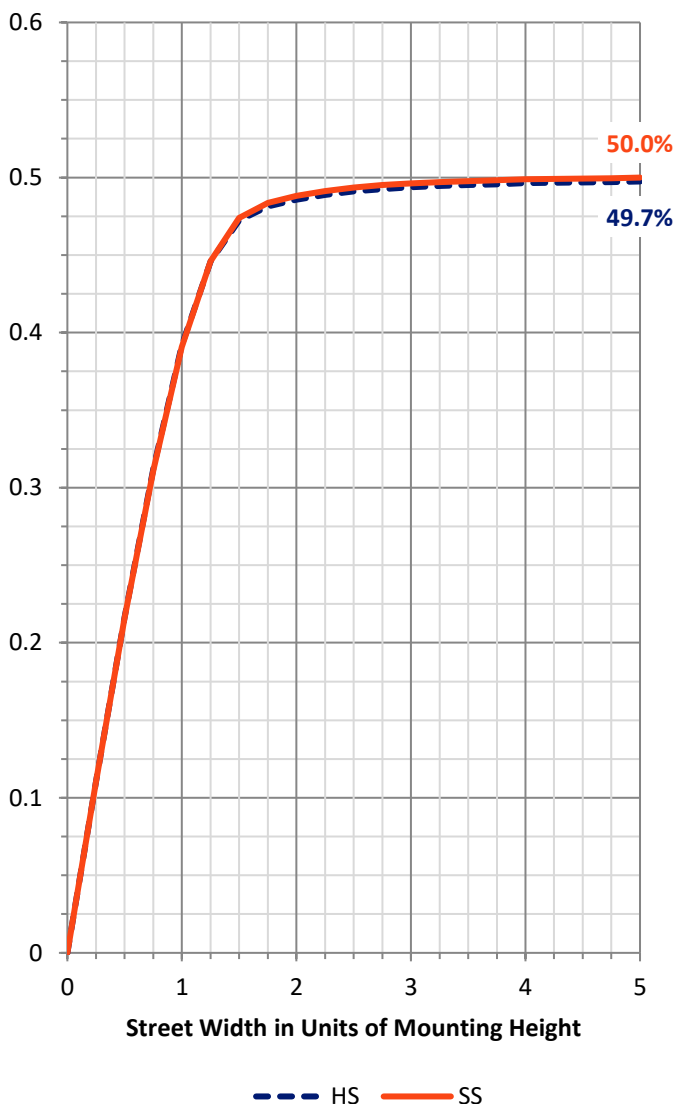
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	24925.0	0.0	24925.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	24925.0	0.0	24925.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	49850.0	0.0	49850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	818.7	1.6
10°-20°	2690.2	5.4
20°-30°	5121.8	10.3
30°-40°	8794.4	17.6
40°-50°	13517.3	27.1
50°-60°	13726.5	27.5
60°-70°	3825.4	7.7
70°-80°	1128.4	2.3
80°-90°	227.3	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°	49850.0	100.0
0°-180°	49850.0	100.0

Coefficient of Utilization



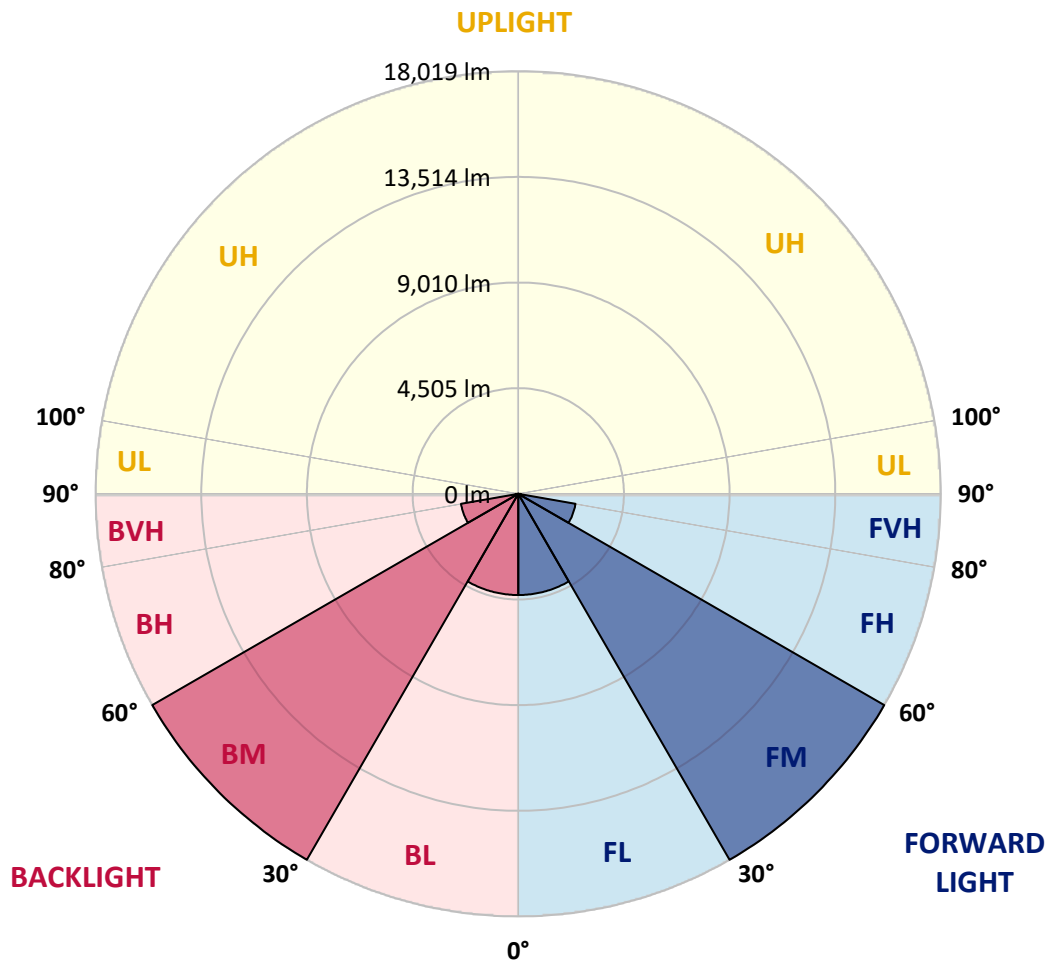
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4315.3	8.7			
FM (30°-60°)	18019.1	36.1			
FH (60°-80°)	2476.9	5.0			G2/5000
FVH (80°-90°)	113.6	0.2			G2/225
BL (0°-30°)	4315.3	8.7	B4/5000		
BM (30°-60°)	18019.1	36.1	B5		
BH (60°-80°)	2476.9	5.0	B3/2500		G2/5000
BVH (80°-90°)	113.6	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°	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1	8333.1
2.5°	8351.6	8265.0	8296.0	8314.5	8394.9	8388.8	8370.2	8394.9	8419.7	8425.9	8413.5
5°	8345.5	8283.6	8308.3	8326.9	8407.3	8450.6	8438.3	8543.4	8617.7	8599.1	8691.9
7.5°	8296.0	8333.1	8302.2	8394.9	8463.0	8568.2	8679.5	8778.5	8871.3	8976.5	8995.0
10°	8407.3	8407.3	8463.0	8537.2	8716.6	8797.1	8957.9	9100.2	9279.6	9403.3	9353.8
12.5°	8524.9	8543.4	8543.4	8735.2	8883.7	9063.1	9211.6	9403.3	9657.0	9805.4	9879.7
15°	8642.4	8654.8	8716.6	8976.5	9199.2	9483.8	9619.9	9793.1	9935.4	10213.8	10219.9
17.5°	8747.6	8815.6	9001.2	9292.0	9570.4	9842.6	10059.1	10238.5	10362.2	10473.6	10448.8
20°	9143.5	9193.0	9384.8	9675.5	10090.0	10356.0	10430.3	10461.2	10541.6	10764.3	10696.3
22.5°	9527.1	9545.6	9725.0	10170.4	10461.2	10813.8	10894.3	10875.7	10906.6	10962.3	11061.3
25°	9923.0	9953.9	10201.4	10578.7	10987.1	11407.7	11475.8	11333.5	11290.2	11352.0	11358.2
27.5°	10430.3	10436.5	10752.0	11079.8	11543.8	11939.8	12044.9	11933.6	11729.4	11778.9	11859.3
30°	11073.7	11030.4	11345.9	11816.0	12304.8	12527.5	12706.9	12651.2	12428.5	12385.2	12317.1
32.5°	11816.0	11828.4	12113.0	12626.4	12948.1	13319.3	13511.1	13418.3	13276.0	13201.8	13245.1
35°	12861.5	12917.2	13109.0	13535.8	14055.5	14241.1	14544.2	14346.3	13975.1	14067.9	14148.3
37.5°	13721.4	13882.3	14241.1	14748.4	15057.7	15398.0	15509.3	15243.3	14971.1	14859.7	15125.8
40°	15039.1	14989.7	15385.6	15892.9	16350.7	16690.9	16548.6	16282.6	15608.3	15614.5	15688.7
42.5°	16171.3	16196.0	16499.1	17105.4	17730.2	17940.6	17489.0	16839.4	16090.8	16010.4	16171.3
45°	17124.0	17222.9	17396.2	18206.6	18819.0	19047.9	18212.8	17445.7	16443.5	16109.4	16375.4
47.5°	17464.2	17625.1	18002.4	18744.8	19351.1	19536.7	18868.5	17767.3	16771.3	16226.9	16369.2
50°	17513.7	17458.0	18076.7	18757.2	19289.2	19691.3	19103.6	18002.4	16690.9	16406.3	16363.0
52.5°	16158.9	16431.1	17093.0	18027.2	19103.6	19747.0	19313.9	18132.3	16802.3	16480.6	16375.4
55°	13078.1	12756.4	13962.7	15534.1	17513.7	19301.6	19239.7	18200.4	16870.3	16604.3	16462.0
57.5°	7300.0	7392.8	8073.3	9780.7	12335.7	15305.2	17105.4	17482.8	16839.4	16684.7	16759.0
60°	3377.8	3408.7	3699.5	4497.5	6081.2	8679.5	11048.9	13455.4	14562.8	14785.5	14785.5
62.5°	2517.9	2505.5	2579.7	2722.0	3056.1	3990.2	5326.5	7238.1	8759.9	9824.0	10102.4
65°	2276.6	2270.4	2307.5	2357.0	2381.8	2511.7	2808.6	3396.3	3891.2	4175.8	4126.3
67.5°	1992.0	1985.8	1998.2	2029.1	2072.4	2140.5	2214.7	2338.5	2511.7	2499.3	2468.4
70°	1608.5	1608.5	1627.0	1651.8	1701.3	1781.7	1868.3	1954.9	2103.4	2134.3	2128.1
72.5°	1187.8	1169.2	1206.3	1255.8	1305.3	1404.3	1497.1	1577.5	1682.7	1713.6	1701.3
75°	754.7	767.1	791.9	847.5	934.1	1002.2	1101.2	1169.2	1237.3	1262.0	1268.2
77.5°	420.7	433.0	476.4	544.4	631.0	705.2	791.9	847.5	890.8	897.0	903.2
80°	253.6	259.8	303.1	365.0	439.2	519.7	587.7	643.4	680.5	661.9	655.8
82.5°	154.7	160.8	198.0	253.6	315.5	377.4	451.6	501.1	538.2	513.5	488.7
85°	80.4	86.6	117.5	154.7	204.2	235.1	235.1	210.3	204.2	191.8	185.6
87.5°	24.7	24.7	30.9	37.1	30.9	37.1	43.3	49.5	49.5	55.7	49.5
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)