

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: P953444

Luminaire Tested: **GALN-SB7A-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953444
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB7A-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 CRI, 3000K, 350mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32850 lumens
Efficiency: N/A
Efficacy: 165.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

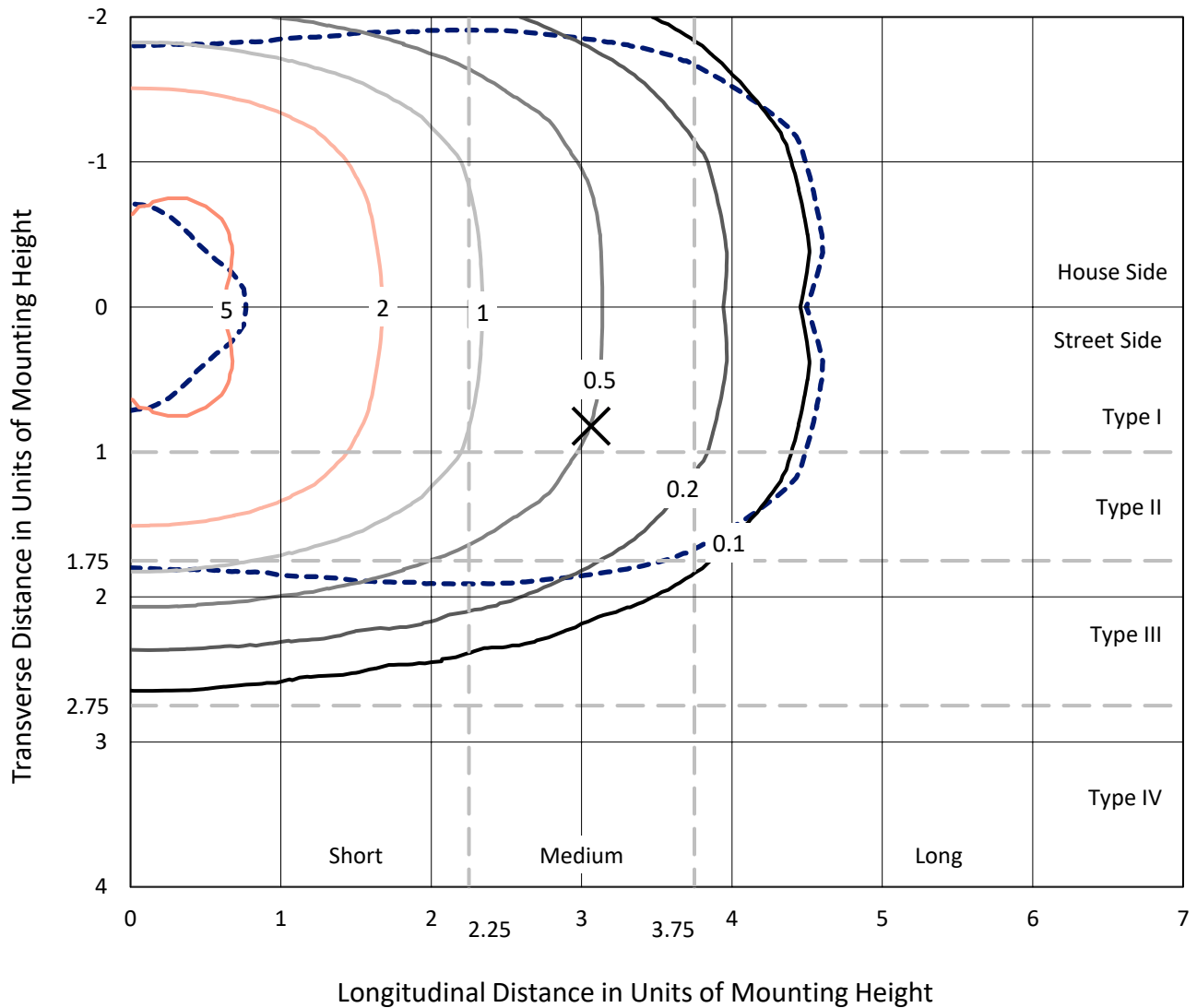
Input Watts (W): 199.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

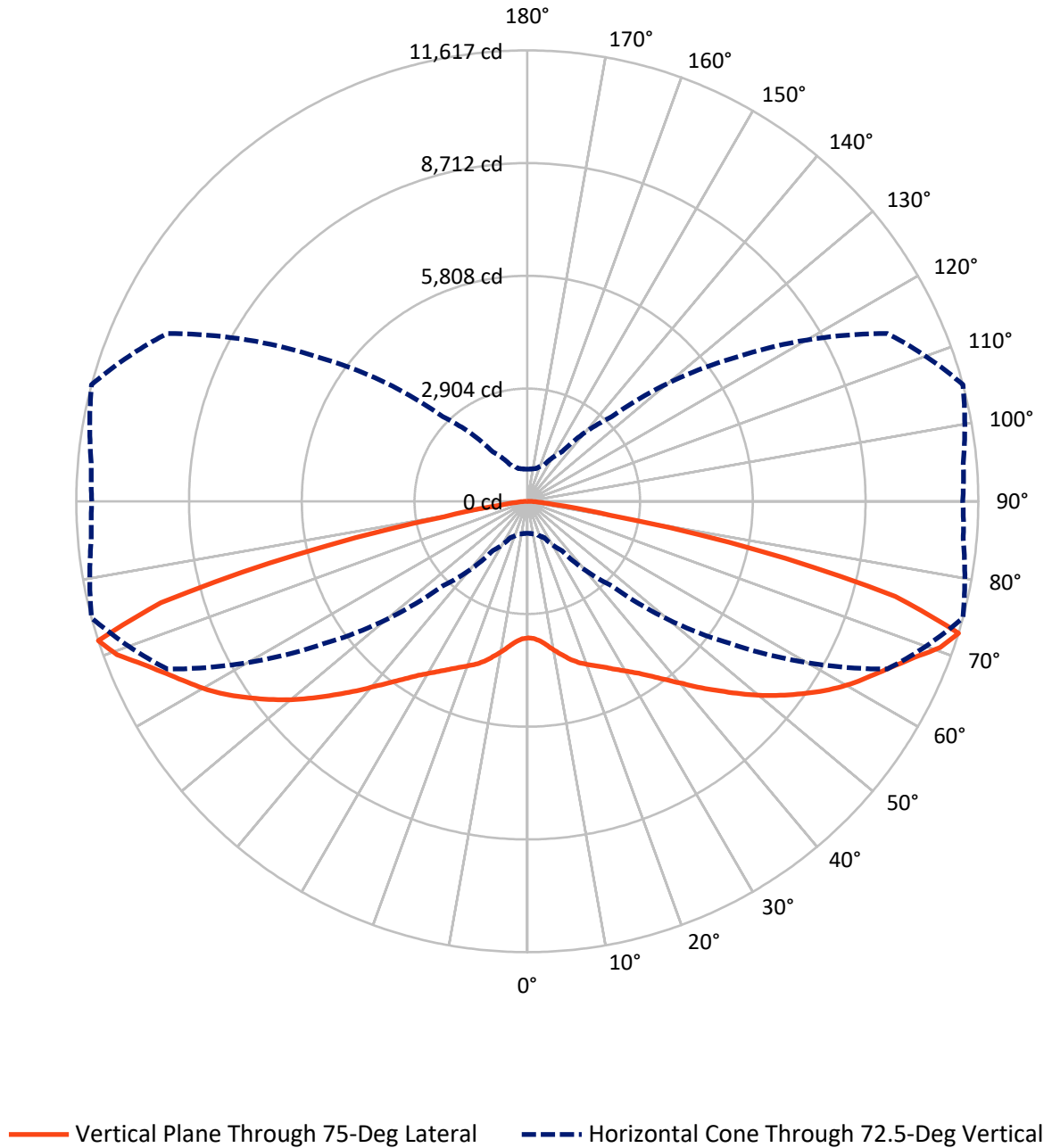
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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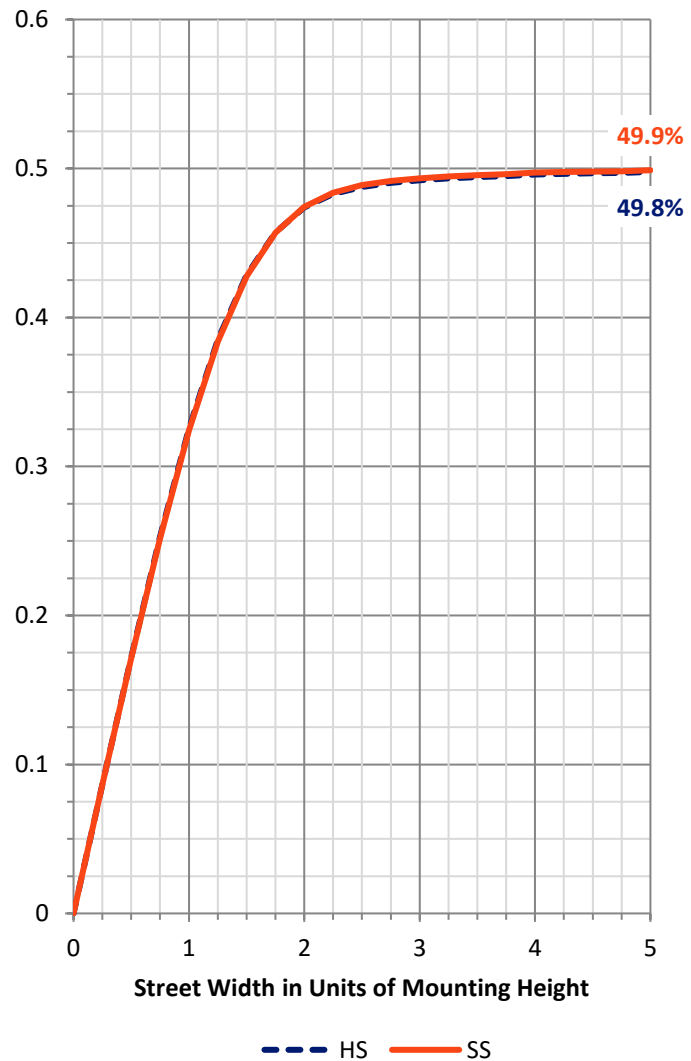
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16425.0	0.0	16425.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16425.0	0.0	16425.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	32850.0	0.0	32850.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	344.7	1.0
10°-20°	1136.9	3.5
20°-30°	2196.8	6.7
30°-40°	3709.4	11.3
40°-50°	5882.7	17.9
50°-60°	7876.3	24.0
60°-70°	7495.7	22.8
70°-80°	3911.4	11.9
80°-90°	296.1	0.9
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°	32850.0	100.0
0°-180°	32850.0	100.0

Coefficient of Utilization



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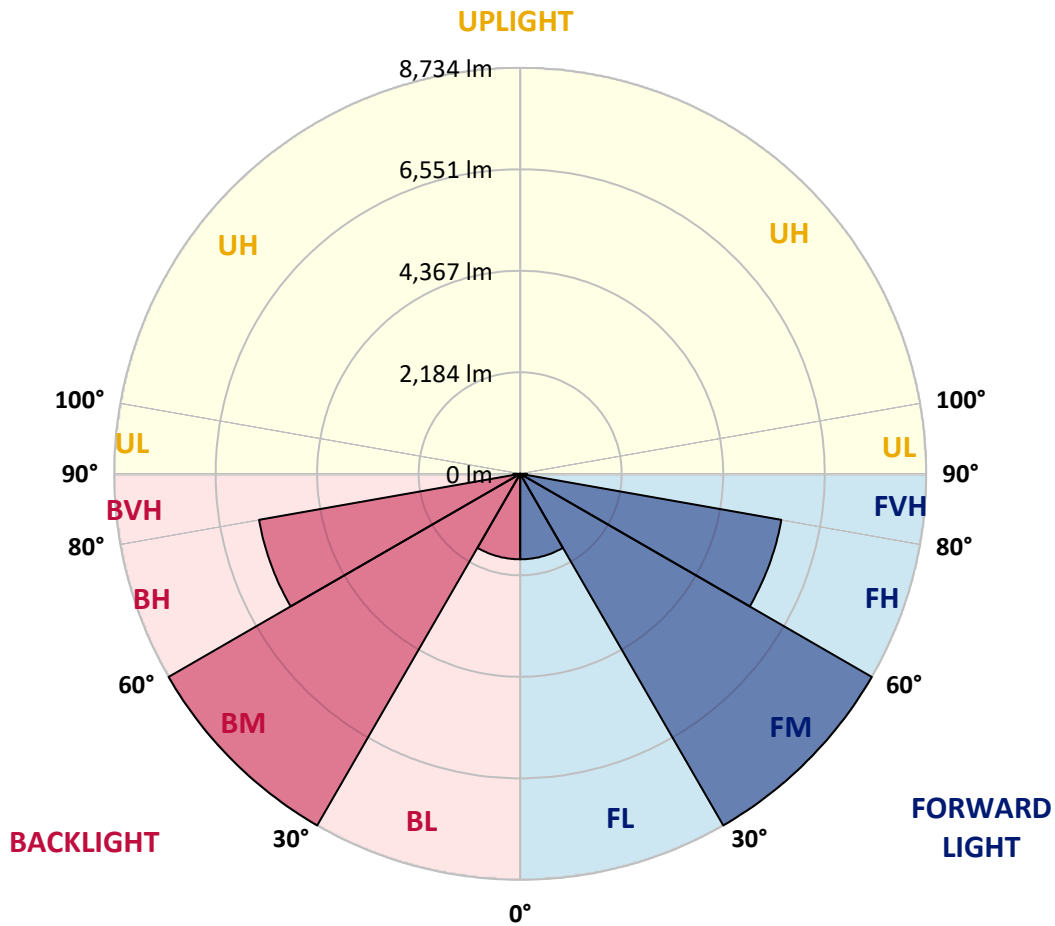
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1839.2	5.6			
FM (30°-60°)	8734.2	26.6			
FH (60°-80°)	5703.5	17.4			G3/7500
FVH (80°-90°)	148.0	0.5			G2/225
BL (0°-30°)	1839.2	5.6	B3/2500		
BM (30°-60°)	8734.2	26.6	B5		
BH (60°-80°)	5703.5	17.4	B5		G5
BVH (80°-90°)	148.0	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type III Medium



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8	3518.8
2.5°	3518.8	3515.5	3518.8	3522.2	3520.5	3520.5	3528.9	3533.9	3544.0	3542.3	3540.6
5°	3495.3	3493.7	3507.1	3522.2	3533.9	3554.0	3579.2	3597.7	3621.1	3626.2	3626.2
7.5°	3483.6	3478.6	3502.1	3528.9	3565.8	3616.1	3664.7	3715.1	3755.3	3768.7	3772.1
10°	3492.0	3493.7	3525.5	3575.8	3634.6	3705.0	3773.8	3859.3	3916.3	3929.7	3943.2
12.5°	3530.6	3527.2	3580.9	3661.4	3741.9	3830.8	3911.3	4005.2	4067.3	4099.1	4112.6
15°	3601.0	3594.3	3669.8	3788.9	3906.3	4010.3	4075.7	4164.6	4236.7	4276.9	4292.0
17.5°	3684.9	3688.2	3787.2	3941.5	4095.8	4213.2	4275.3	4320.5	4375.9	4411.1	4427.9
20°	3832.5	3839.2	3949.9	4132.7	4308.8	4443.0	4493.3	4476.5	4491.6	4518.5	4538.6
22.5°	4030.4	4033.7	4157.8	4355.8	4540.3	4687.9	4721.4	4652.6	4610.7	4629.1	4642.6
25°	4260.2	4282.0	4406.1	4609.0	4798.5	4939.4	4954.5	4850.5	4746.6	4751.6	4760.0
27.5°	4540.3	4560.4	4686.2	4887.4	5080.3	5202.8	5201.1	5061.9	4909.2	4870.7	4882.4
30°	4843.8	4865.6	4994.8	5202.8	5382.2	5489.6	5466.1	5300.0	5082.0	5009.9	5018.3
32.5°	5204.4	5217.9	5348.7	5556.7	5722.7	5808.2	5759.6	5555.0	5283.3	5201.1	5221.2
35°	5640.5	5660.6	5757.9	5954.2	6100.1	6170.5	6088.3	5846.8	5541.6	5449.3	5462.7
37.5°	6138.7	6125.2	6235.9	6410.4	6531.1	6574.7	6462.4	6175.6	5836.8	5727.7	5747.9
40°	6658.6	6651.9	6772.6	6940.4	7005.8	7032.6	6866.6	6552.9	6177.2	6059.8	6098.4
42.5°	7129.9	7124.9	7287.6	7473.7	7552.6	7522.4	7312.7	6953.8	6571.4	6437.2	6470.7
45°	7507.3	7500.6	7700.2	7961.8	8116.1	8065.8	7784.0	7396.6	6970.6	6831.3	6863.2
47.5°	7797.4	7800.8	8015.5	8339.2	8609.2	8627.7	8265.4	7847.7	7410.0	7252.3	7299.3
50°	8007.1	8017.1	8246.9	8605.9	8974.8	9137.5	8756.8	8310.7	7864.5	7686.7	7740.4
52.5°	8059.1	8077.5	8354.3	8775.3	9209.7	9519.9	9256.6	8755.1	8295.6	8126.2	8169.8
55°	7782.3	7819.2	8169.8	8761.8	9353.9	9771.5	9696.1	9206.3	8730.0	8555.5	8604.2
57.5°	7146.7	7198.7	7607.9	8381.1	9322.0	9944.3	10036.5	9639.0	9164.4	8996.6	9035.2
60°	6256.1	6318.1	6710.6	7554.2	8872.5	10008.0	10276.4	10060.0	9563.6	9400.9	9436.1
62.5°	4912.6	4993.1	5462.7	6452.3	7923.2	9711.1	10481.0	10440.7	9922.5	9719.5	9743.0
65°	3151.5	3237.0	3731.8	4900.9	6656.9	8802.1	10544.7	10811.4	10301.5	10018.1	10053.3
67.5°	1900.3	1938.9	2183.8	2970.4	4865.6	7431.8	10004.7	11222.3	10744.3	10392.1	10418.9
70°	1216.0	1237.8	1383.7	1744.3	2750.7	5422.5	8666.2	11299.5	11281.0	10776.2	10772.8
72.5°	825.2	831.9	870.5	1033.2	1556.5	3081.1	6391.9	10229.4	11616.5	11271.0	11217.3
75°	603.8	640.7	702.8	731.3	883.9	1539.7	3663.1	7186.9	9790.0	9940.9	9575.3
77.5°	449.5	451.2	536.7	570.3	630.6	820.2	1549.8	4011.9	6078.3	6381.9	5692.5
80°	380.7	360.6	358.9	459.6	474.7	511.6	692.7	1385.4	2177.0	1320.0	998.0
82.5°	317.0	295.2	266.7	358.9	323.7	313.6	300.2	563.5	692.7	340.5	290.2
85°	221.4	211.3	201.3	234.8	184.5	157.7	144.2	263.3	291.8	144.2	127.5
87.5°	95.6	99.0	100.6	104.0	77.2	55.3	55.3	73.8	73.8	57.0	41.9
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)