

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: P941940

Luminaire Tested: **GALN-SB5D-722-U-5WQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P941940
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-1)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB5D-722-U-5WQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(5) 70 CRI, 2200K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 42952 lumens
Efficiency: N/A
Efficacy: 117.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

Input Watts (W): 364.9
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



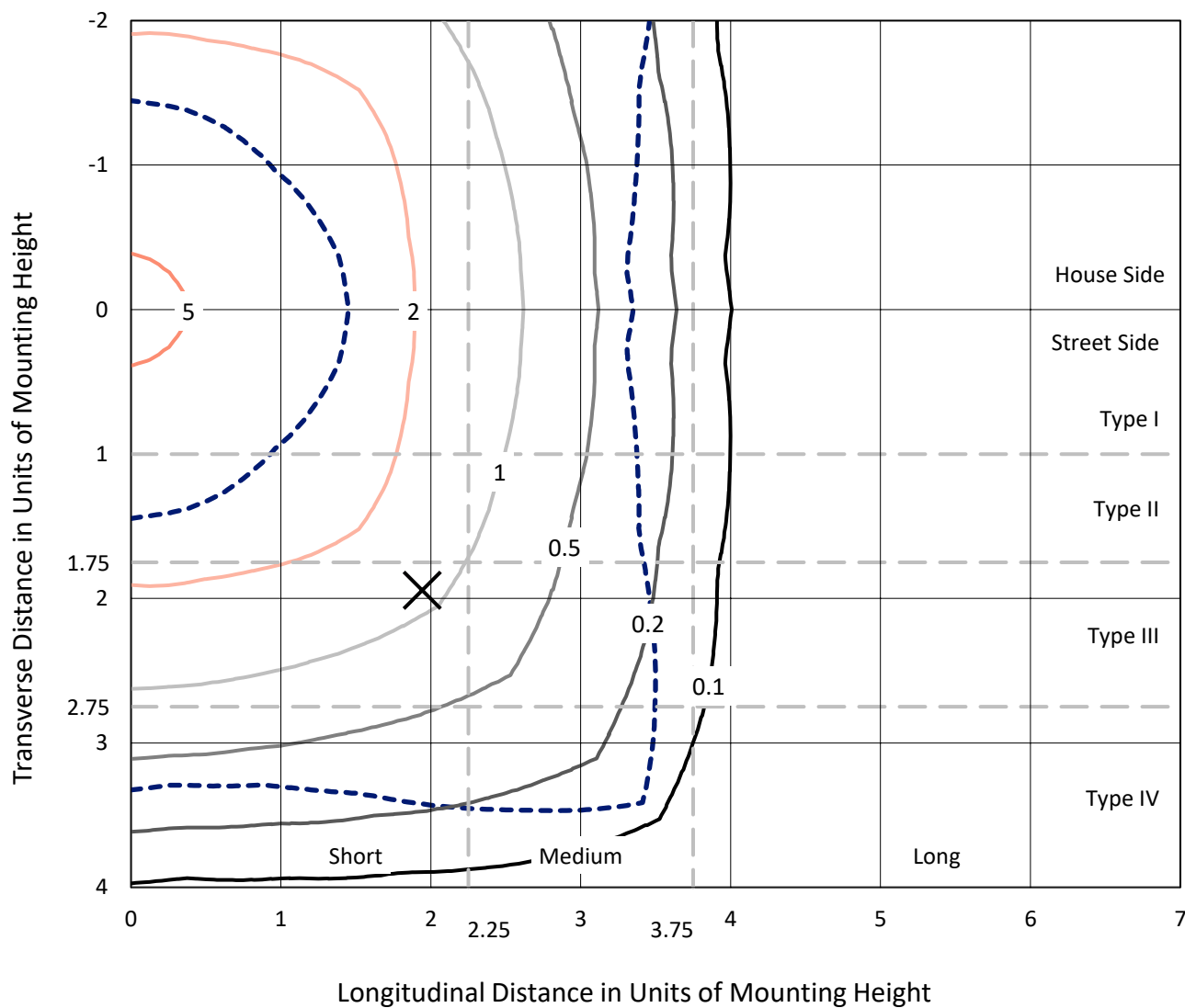
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Iso-Footcandle Lines of Horizontal Illumination

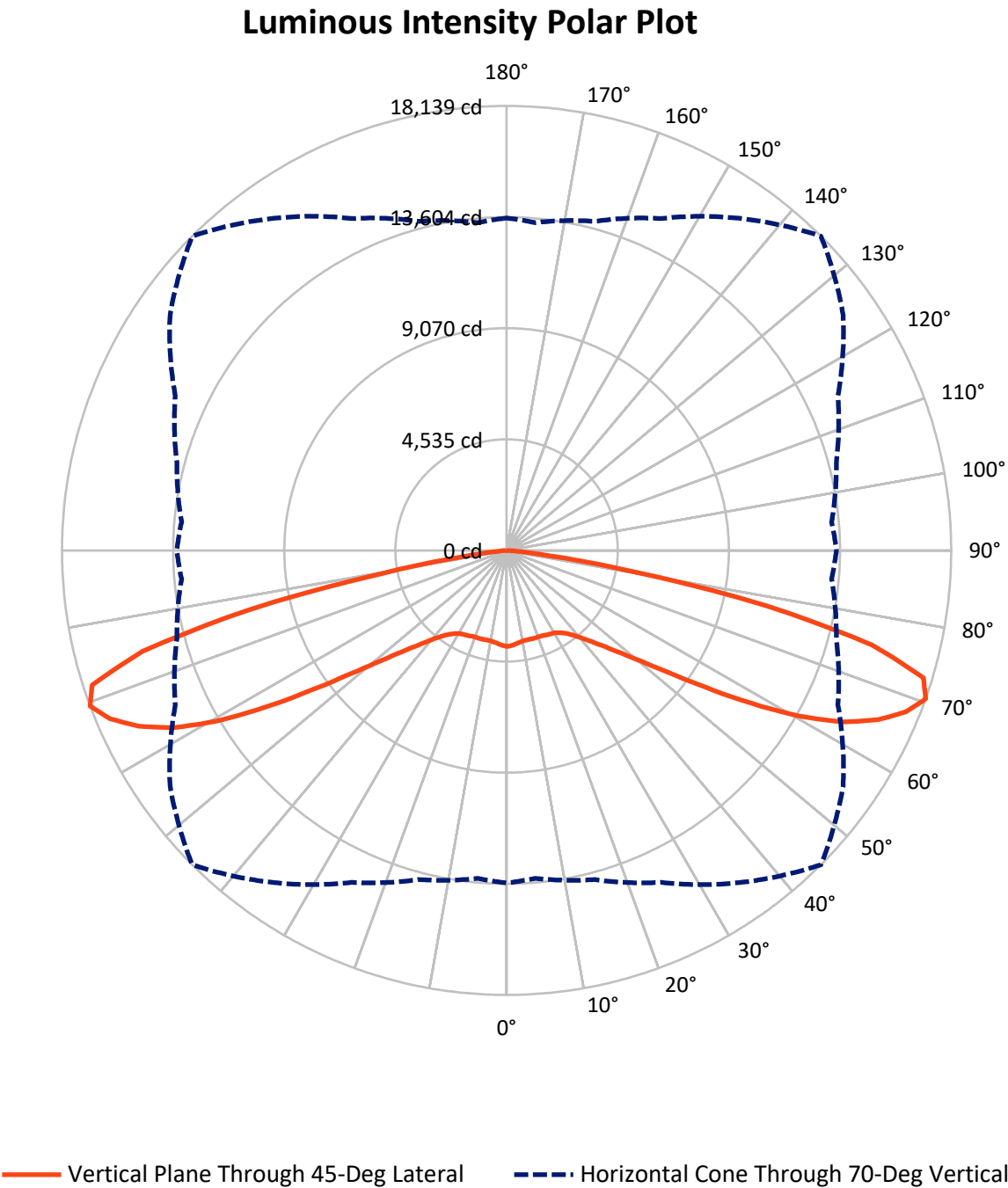
✕ Max cd

--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.3 fc
 Type V - Short - N/A

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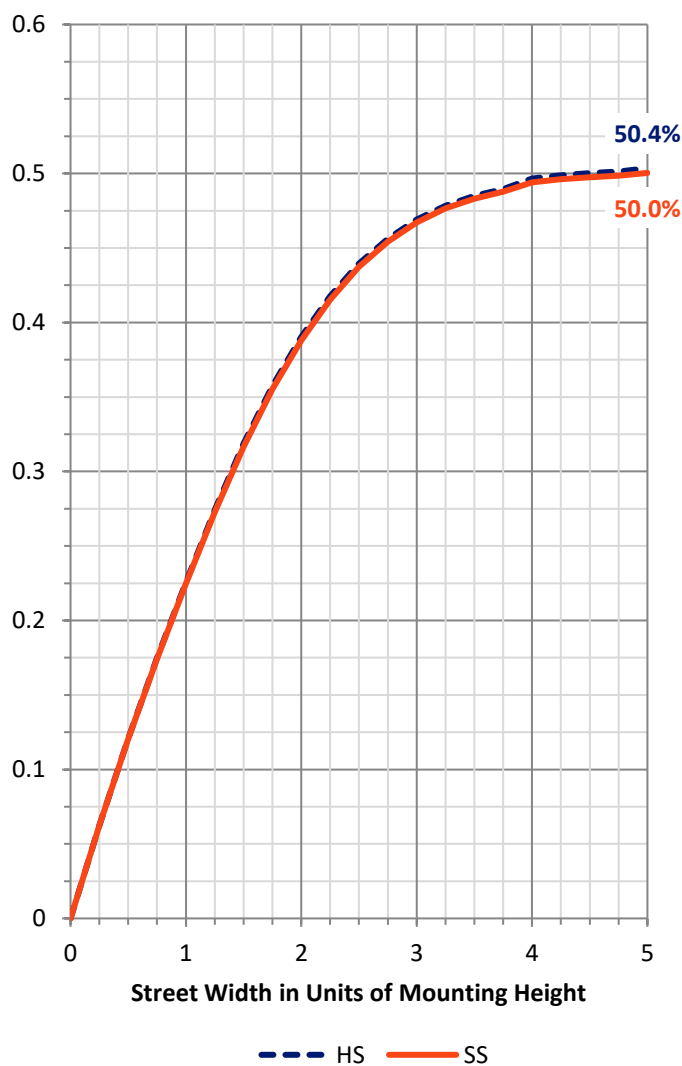
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21476.0	0.0	21476.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21476.0	0.0	21476.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42952.0	0.0	42952.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	364.5	0.8
10°-20°	1070.2	2.5
20°-30°	1780.9	4.1
30°-40°	2693.3	6.3
40°-50°	4475.7	10.4
50°-60°	8445.4	19.7
60°-70°	14260.4	33.2
70°-80°	9370.6	21.8
80°-90°	490.9	1.1
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°	42952.0	100.0
0°-180°	42952.0	100.0

Coefficient of Utilization



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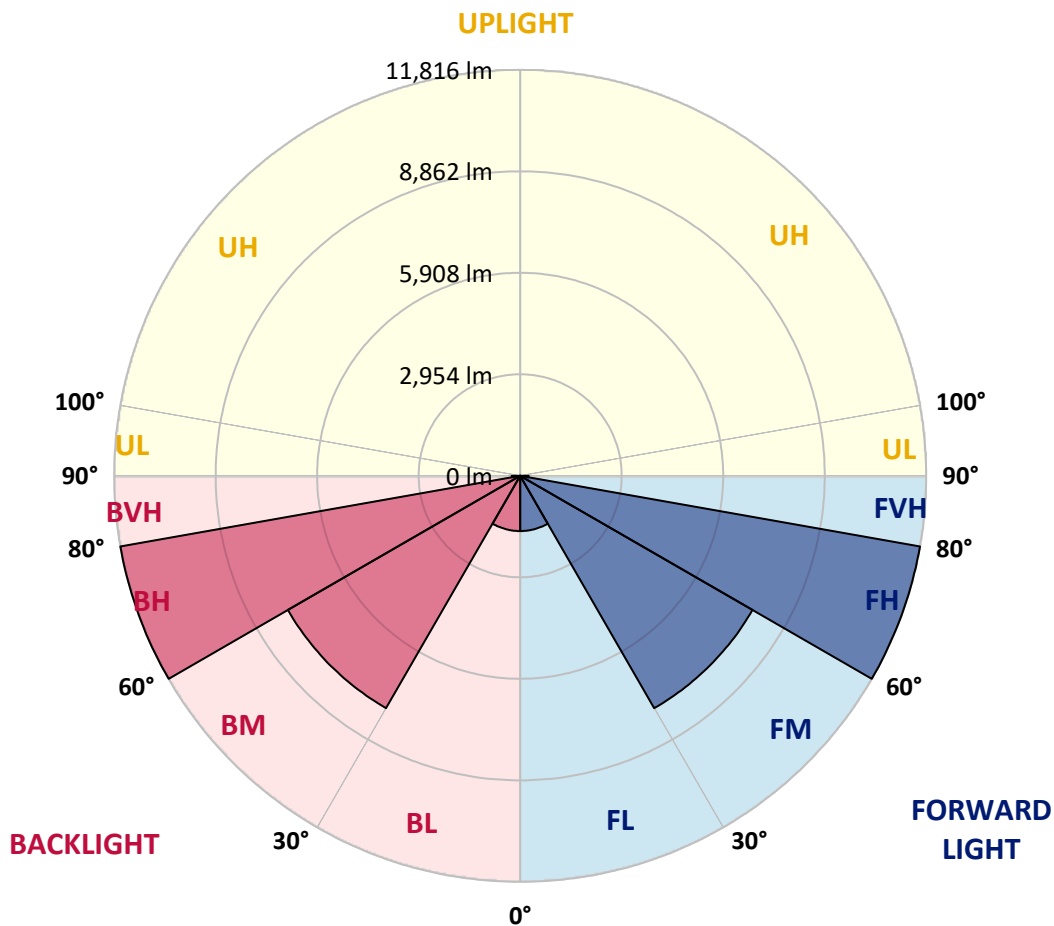
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1607.8	3.7			
FM	(30°-60°)	7807.2	18.2			
FH	(60°-80°)	11815.5	27.5			G4/12000
FVH	(80°-90°)	245.5	0.6			G3/500
BL	(0°-30°)	1607.8	3.7	B3/2500		
BM	(30°-60°)	7807.2	18.2	B4/8500		
BH	(60°-80°)	11815.5	27.5	B5		G4/12000
BVH	(80°-90°)	245.5	0.6			G3/500
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1	3918.1
2.5°	3893.5	3904.7	3900.2	3891.3	3891.3	3884.6	3891.3	3895.8	3902.5	3906.9	3904.7
5°	3842.2	3851.1	3848.9	3842.2	3844.4	3837.7	3842.2	3848.9	3853.3	3855.6	3855.6
7.5°	3797.5	3806.5	3802.0	3790.8	3790.8	3784.1	3786.4	3793.1	3799.8	3802.0	3802.0
10°	3786.4	3795.3	3781.9	3764.0	3757.3	3748.4	3750.6	3757.3	3770.7	3777.4	3777.4
12.5°	3790.8	3797.5	3784.1	3757.3	3750.6	3741.7	3741.7	3748.4	3766.3	3775.2	3777.4
15°	3804.2	3810.9	3790.8	3761.8	3755.1	3748.4	3746.2	3755.1	3775.2	3790.8	3793.1
17.5°	3828.8	3835.5	3804.2	3764.0	3755.1	3757.3	3755.1	3761.8	3793.1	3822.1	3822.1
20°	3851.1	3855.6	3813.2	3764.0	3755.1	3757.3	3755.1	3768.5	3808.7	3848.9	3851.1
22.5°	3857.8	3862.3	3822.1	3779.7	3773.0	3775.2	3773.0	3786.4	3824.3	3864.5	3864.5
25°	3860.0	3866.7	3835.5	3802.0	3813.2	3817.6	3813.2	3815.4	3844.4	3880.1	3877.9
27.5°	3893.5	3902.5	3873.4	3844.4	3851.1	3848.9	3855.6	3862.3	3884.6	3920.3	3911.4
30°	3962.7	3969.4	3944.9	3915.9	3911.4	3895.8	3915.9	3938.2	3962.7	3994.0	3987.3
32.5°	4076.6	4090.0	4058.7	4027.5	4007.4	3998.5	4014.1	4052.0	4085.5	4119.0	4105.6
35°	4266.4	4275.3	4246.3	4188.2	4152.5	4152.5	4165.9	4215.0	4268.6	4311.0	4295.4
37.5°	4534.3	4545.4	4494.1	4424.9	4371.3	4371.3	4389.2	4440.5	4520.9	4581.1	4558.8
40°	4860.2	4875.8	4811.1	4739.7	4688.3	4679.4	4701.7	4759.8	4835.7	4911.6	4887.0
42.5°	5253.1	5271.0	5186.2	5123.7	5083.5	5083.5	5094.6	5148.2	5217.4	5311.2	5304.5
45°	5755.5	5786.7	5670.6	5608.1	5570.2	5579.1	5585.8	5632.7	5695.2	5802.3	5797.9
47.5°	6353.8	6385.0	6262.2	6197.5	6190.8	6233.2	6206.4	6239.9	6273.4	6396.2	6360.5
50°	7032.5	7086.0	7001.2	6996.7	7010.1	7088.3	7025.8	7043.6	7005.7	7083.8	7036.9
52.5°	7863.0	7941.1	7925.5	7952.3	8101.8	8262.6	8119.7	8057.2	7914.3	7938.9	7856.3
55°	8869.8	8988.2	9010.5	9171.2	9510.6	9838.8	9535.1	9282.9	8979.2	8923.4	8836.3
57.5°	10015.1	10108.9	10216.0	10544.2	11178.3	11761.0	11178.3	10620.1	10142.4	10028.5	9948.1
60°	11247.5	11363.6	11466.3	11950.7	12892.9	13712.2	12875.0	11988.7	11356.9	11202.8	11068.9
62.5°	12571.4	12720.9	12792.4	13330.4	14428.8	15406.7	14444.5	13370.6	12669.6	12504.4	12370.4
65°	13841.7	13964.5	14044.8	14618.6	15667.9	16648.0	15739.3	14681.1	13960.0	13743.4	13636.3
67.5°	14433.3	14500.3	14696.7	15346.4	16453.7	17572.2	16641.3	15415.6	14609.7	14230.1	14234.6
70°	13567.1	13430.9	13904.2	14944.5	16547.5	18139.3	16761.8	14913.3	13926.5	13310.3	13457.7
72.5°	10484.0	10249.5	11071.1	12850.4	15475.9	17777.6	15583.0	12950.9	11582.4	10332.1	10642.5
75°	5704.1	5438.4	6572.6	8823.0	12341.4	15408.9	12624.9	9075.2	7318.2	5661.7	6030.1
77.5°	1609.7	1509.2	2424.5	4268.6	7423.2	10818.8	7708.9	4362.4	2875.5	1705.7	1895.4
80°	493.4	477.8	647.4	1285.9	3152.3	5181.7	3029.5	1301.6	823.8	520.2	549.2
82.5°	292.5	267.9	321.5	468.8	803.7	1627.5	781.4	488.9	392.9	263.4	285.8
85°	167.4	156.3	189.8	227.7	270.1	346.0	225.5	232.2	209.9	140.6	147.3
87.5°	69.2	62.5	73.7	71.4	62.5	80.4	60.3	71.4	84.8	55.8	51.3
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)