

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: P952436

Luminaire Tested: **GALN-SB6B-750-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P952436
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-SB6B-750-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 5000K, 450mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37201 lumens
Efficiency: N/A
Efficacy: 168.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

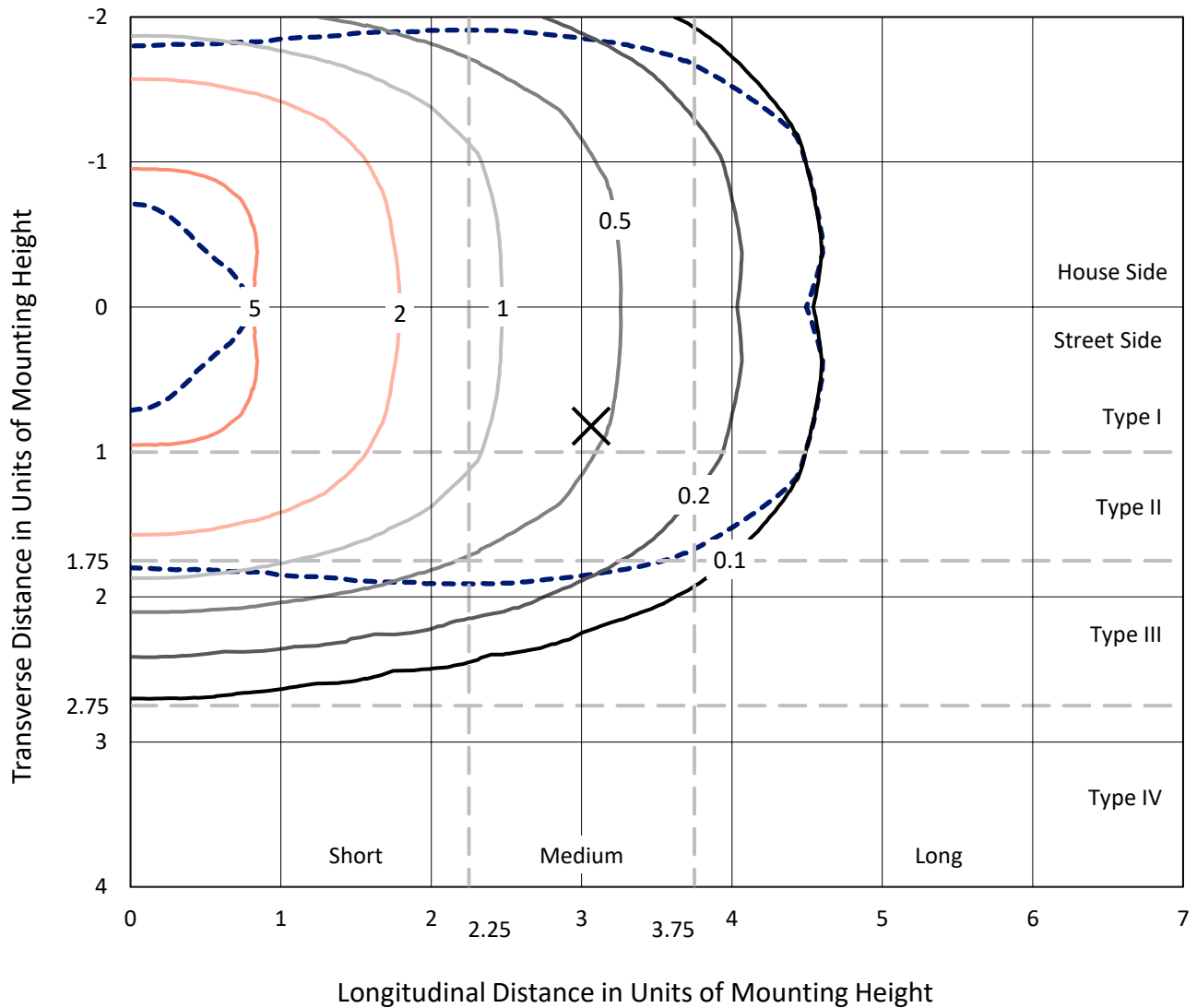
Input Watts (W): 220.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

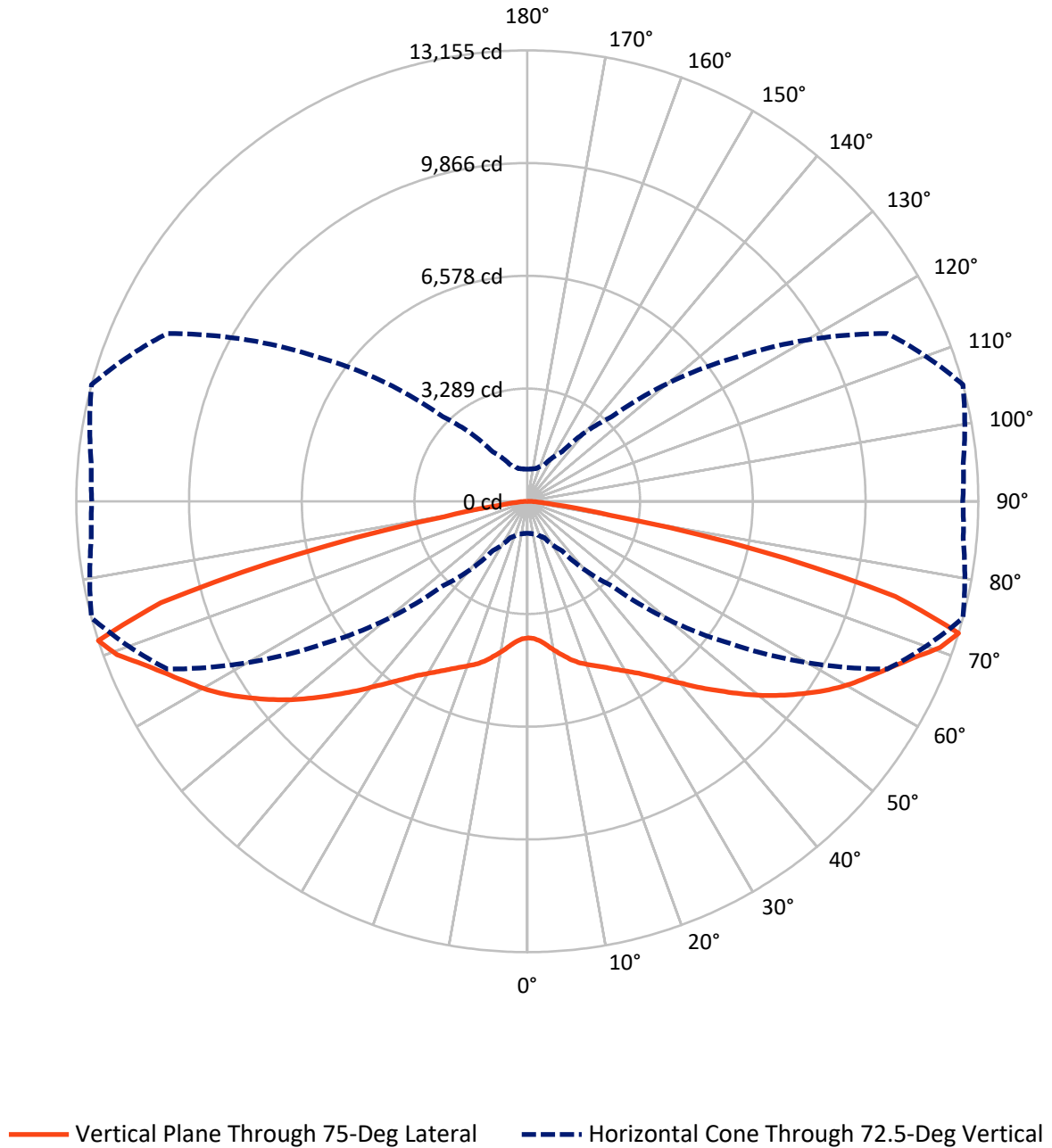
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7 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	18600.5	0.0	18600.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18600.5	0.0	18600.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	37201.0	0.0	37201.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	390.4	1.0
10°-20°	1287.5	3.5
20°-30°	2487.8	6.7
30°-40°	4200.7	11.3
40°-50°	6661.9	17.9
50°-60°	8919.5	24.0
60°-70°	8488.5	22.8
70°-80°	4429.4	11.9
80°-90°	335.3	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°	37201.0	100.0
0°-180°	37201.0	100.0

Coefficient of Utilization



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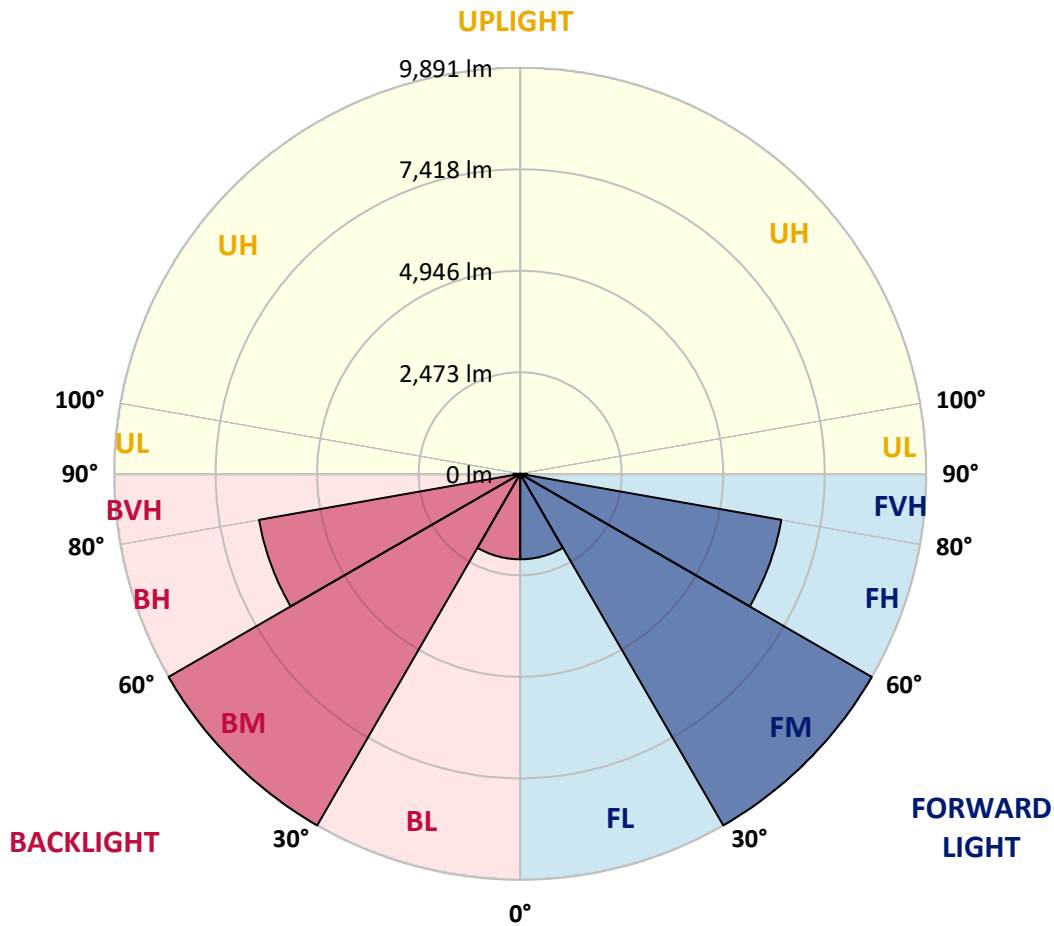
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2082.8	5.6			
FM (30°-60°)	9891.1	26.6			
FH (60°-80°)	6459.0	17.4			G3/7500
FVH (80°-90°)	167.6	0.5			G2/225
BL (0°-30°)	2082.8	5.6	B3/2500		
BM (30°-60°)	9891.1	26.6	B5		
BH (60°-80°)	6459.0	17.4	B5		G5
BVH (80°-90°)	167.6	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°
0°	3984.9	3984.9	3984.9	3984.9	3984.9	3984.9	3984.9	3984.9	3984.9	3984.9
2.5°	3984.9	3981.1	3984.9	3988.7	3986.8	3986.8	3996.3	4002.0	4013.4	4011.5
5°	3958.3	3956.4	3971.6	3988.7	4002.0	4024.8	4053.3	4074.2	4100.8	4106.5
7.5°	3945.0	3939.3	3965.9	3996.3	4038.1	4095.1	4150.1	4207.1	4252.7	4267.9
10°	3954.5	3956.4	3992.5	4049.5	4116.0	4195.7	4273.6	4370.5	4435.0	4450.2
12.5°	3998.2	3994.4	4055.2	4146.3	4237.5	4338.2	4429.3	4535.7	4606.0	4642.1
15°	4078.0	4070.4	4155.8	4290.7	4423.6	4541.4	4615.5	4716.2	4797.8	4843.4
17.5°	4172.9	4176.7	4288.8	4463.5	4638.3	4771.2	4841.5	4892.8	4955.5	4995.4
20°	4340.1	4347.7	4473.0	4680.1	4879.5	5031.4	5088.4	5069.4	5086.5	5116.9
22.5°	4564.2	4568.0	4708.6	4932.7	5141.6	5308.8	5346.7	5268.9	5221.4	5242.3
25°	4824.4	4849.1	4989.7	5219.5	5434.1	5593.7	5610.8	5493.0	5375.2	5380.9
27.5°	5141.6	5164.4	5306.9	5534.8	5753.2	5891.9	5890.0	5732.3	5559.5	5515.8
30°	5485.4	5510.1	5656.3	5891.9	6095.1	6216.7	6190.1	6002.0	5755.1	5673.4
32.5°	5893.8	5909.0	6057.1	6292.6	6480.7	6577.5	6522.5	6290.7	5983.0	5890.0
35°	6387.6	6410.4	6520.6	6742.8	6908.0	6987.8	6894.7	6621.2	6275.5	6171.1
37.5°	6951.7	6936.5	7061.9	7259.4	7396.2	7445.6	7318.3	6993.5	6609.8	6486.4
40°	7540.5	7532.9	7669.7	7859.6	7933.7	7964.1	7776.0	7420.9	6995.4	6862.4
42.5°	8074.3	8068.6	8252.8	8463.6	8552.9	8518.7	8281.3	7874.8	7441.8	7289.8
45°	8501.6	8494.0	8720.0	9016.3	9191.1	9134.1	8815.0	8376.3	7893.8	7736.2
47.5°	8830.2	8834.0	9077.1	9443.7	9749.5	9770.4	9360.1	8887.2	8391.4	8212.9
50°	9067.6	9079.0	9339.2	9745.7	10163.6	10347.8	9916.6	9411.4	8906.2	8704.8
52.5°	9126.5	9147.4	9460.8	9937.5	10429.5	10780.9	10482.7	9914.7	9394.3	9202.5
55°	8813.1	8854.9	9251.9	9922.3	10592.8	11065.8	10980.3	10425.7	9886.3	9688.7
57.5°	8093.2	8152.1	8615.6	9491.2	10556.7	11261.4	11365.9	10915.7	10378.2	10188.3
60°	7084.7	7155.0	7599.4	8554.8	10047.7	11333.6	11637.5	11392.5	10830.2	10646.0
62.5°	5563.3	5654.4	6186.3	7306.9	8972.7	10997.4	11869.2	11823.6	11236.7	11006.9
65°	3568.9	3665.8	4226.1	5550.0	7538.6	9967.9	11941.4	12243.4	11666.0	11345.0
67.5°	2152.0	2195.7	2473.0	3363.8	5510.1	8416.1	11329.8	12708.7	12167.4	11768.5
70°	1377.0	1401.7	1567.0	1975.4	3115.0	6140.7	9814.1	12796.1	12775.2	12203.5
72.5°	934.5	942.1	985.8	1170.0	1762.6	3489.2	7238.5	11584.3	13155.1	12763.8
75°	683.8	725.6	795.8	828.1	1001.0	1743.6	4148.2	8138.8	11086.7	11257.6
77.5°	509.0	510.9	607.8	645.8	714.2	928.8	1755.0	4543.3	6883.3	7227.1
80°	431.2	408.4	406.5	520.4	537.5	579.3	784.4	1568.9	2465.4	1494.8
82.5°	359.0	334.3	302.0	406.5	366.6	355.2	340.0	638.2	784.4	385.6
85°	250.7	239.3	227.9	265.9	208.9	178.5	163.3	298.2	330.5	163.3
87.5°	108.3	112.1	114.0	117.8	87.4	62.7	62.7	83.6	83.6	64.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3984.9
4009.6
4106.5
4271.7
4465.4
4657.3
4860.5
5014.4
5139.7
5257.5
5390.4
5529.1
5682.9
5912.8
6186.3
6509.2
6906.1
7327.8
7772.3
8266.1
8765.6
9251.9
9743.8
10231.9
10685.9
11033.5
11384.9
11798.9
12199.7
12703.0
10843.5
6446.5
1130.1
328.6
144.4
47.5
0.0

OF REPORT)