

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: P950504

Luminaire Tested: **GALN-SB4D-940-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P950504
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-SB4D-940-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(4) 90 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30432 lumens
Efficiency: N/A
Efficacy: 103.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B5 - U0 - G5

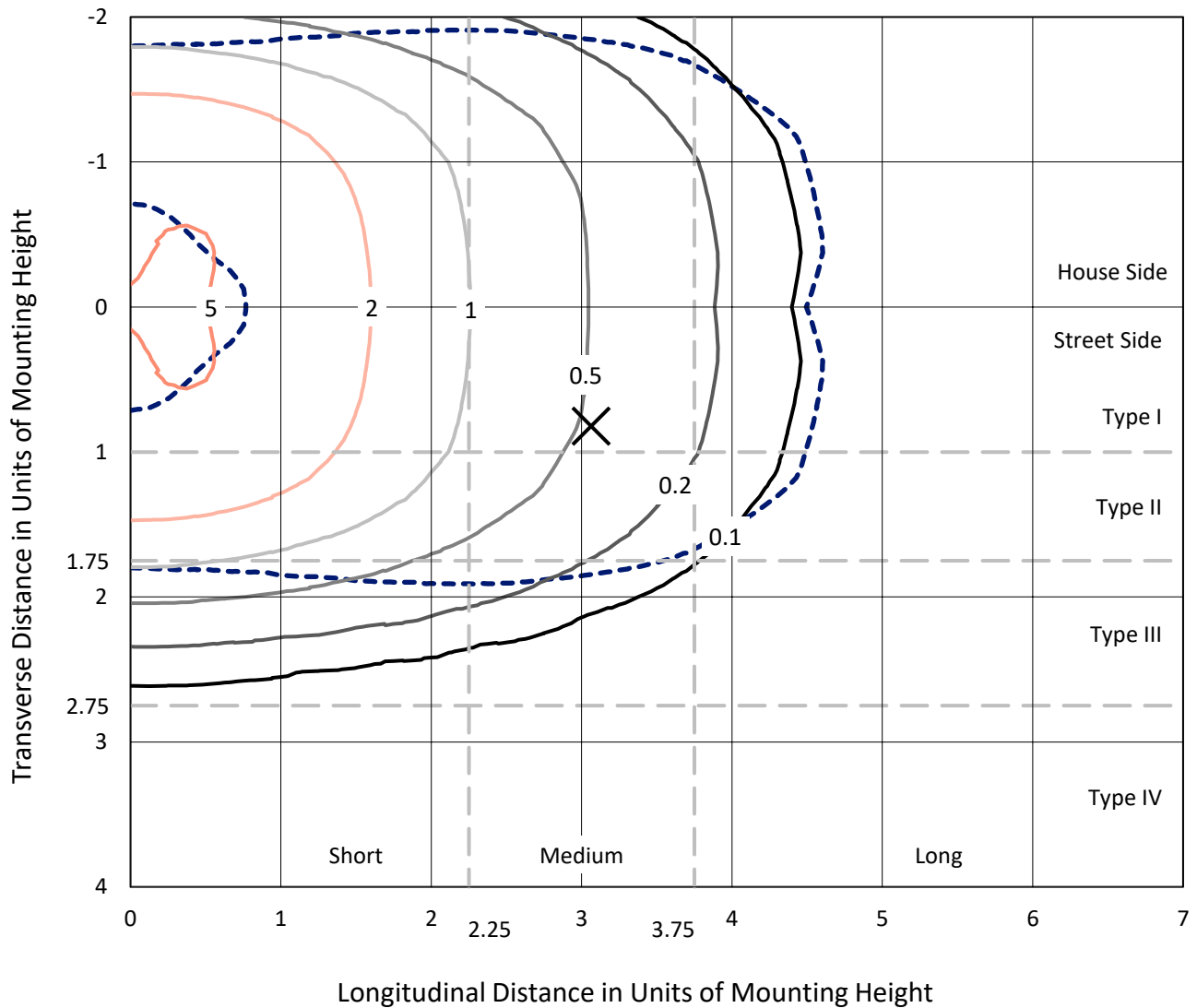
Input Watts (W): 293.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

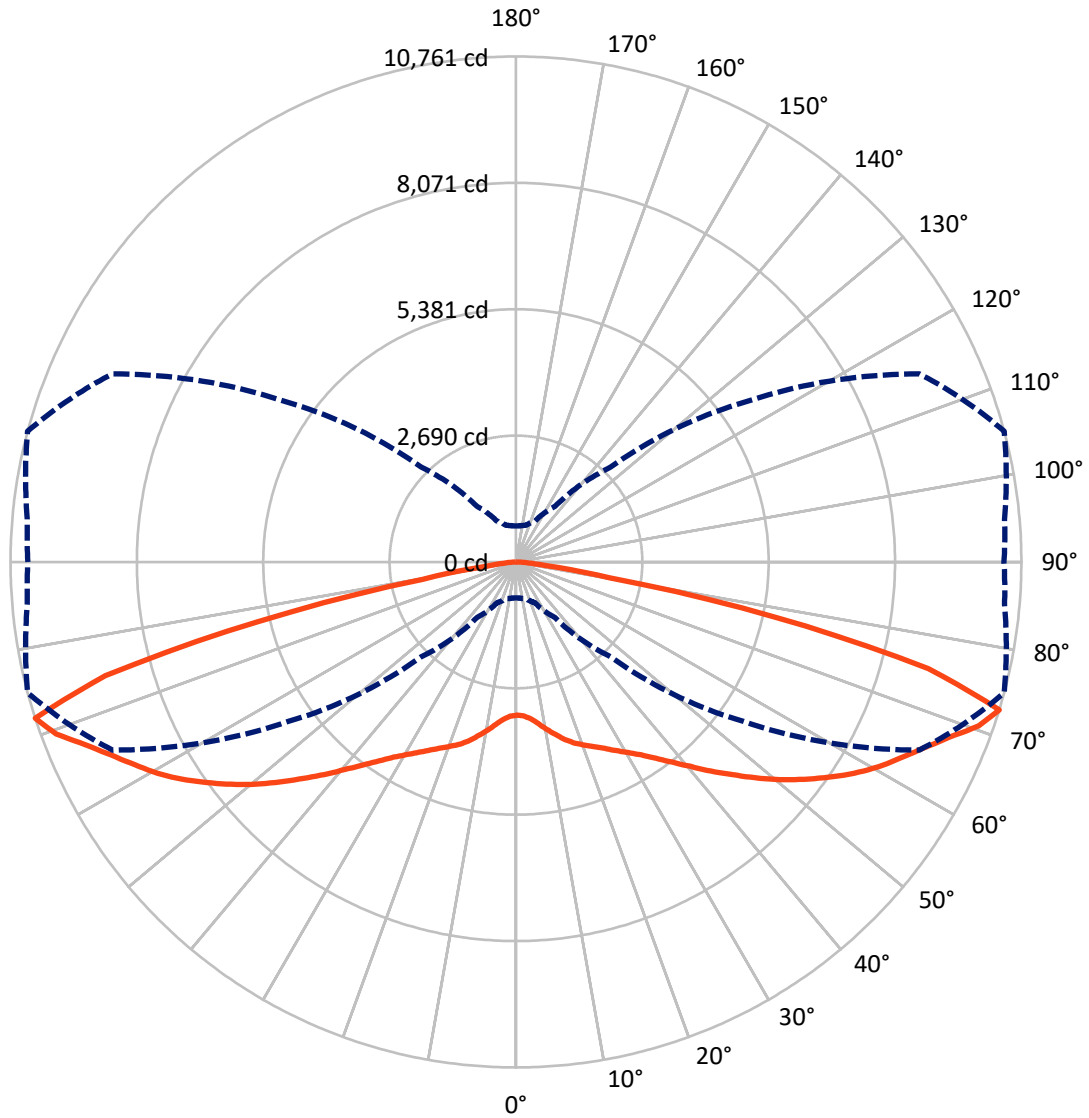
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P950504
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Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15216.0	0.0	15216.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15216.0	0.0	15216.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	30432.0	0.0	30432.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.3	1.0
10°-20°	1053.2	3.5
20°-30°	2035.1	6.7
30°-40°	3436.4	11.3
40°-50°	5449.7	17.9
50°-60°	7296.5	24.0
60°-70°	6944.0	22.8
70°-80°	3623.5	11.9
80°-90°	274.3	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°	30432.0	100.0
0°-180°	30432.0	100.0

Coefficient of Utilization



REPORT NUMBER: P950504

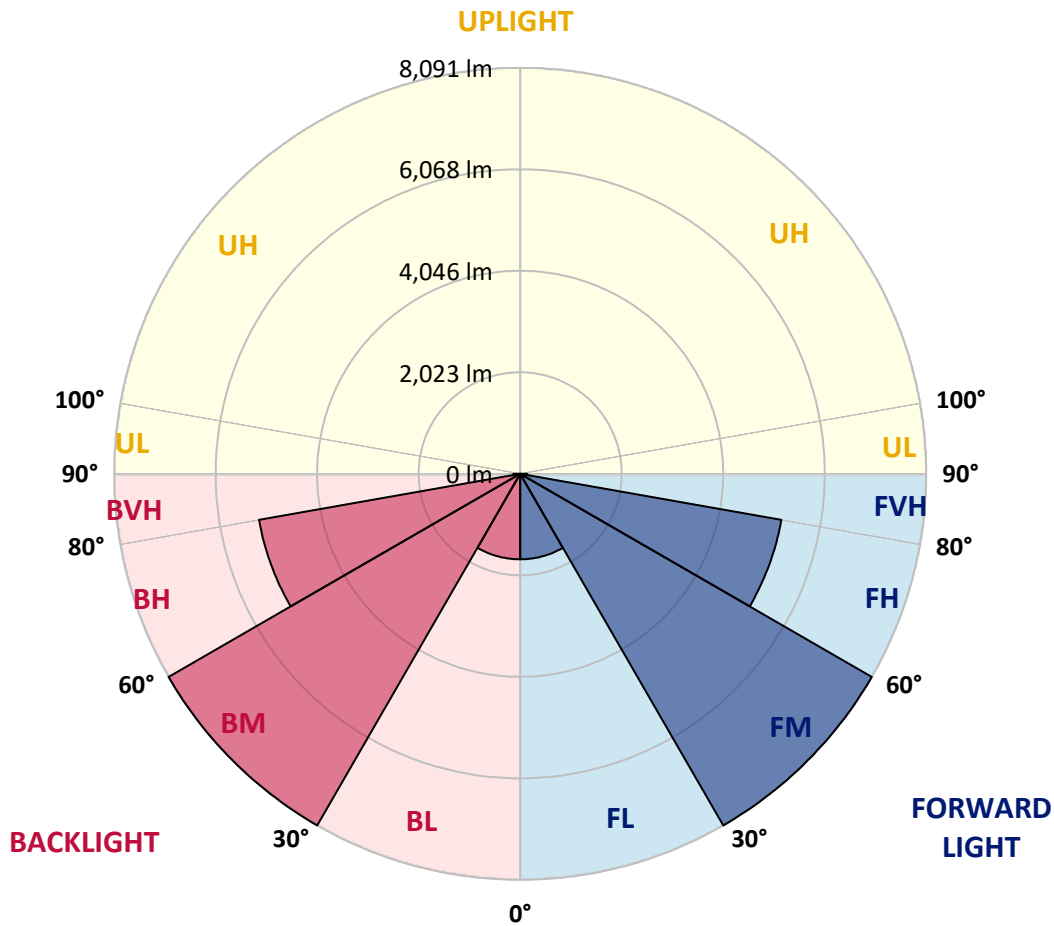
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1703.8	5.6			
FM (30°-60°)	8091.3	26.6			
FH (60°-80°)	5283.7	17.4			G3/7500
FVH (80°-90°)	137.1	0.5			G2/225
BL (0°-30°)	1703.8	5.6	B3/2500		
BM (30°-60°)	8091.3	26.6	B4/8500		
BH (60°-80°)	5283.7	17.4	B5		G5
BVH (80°-90°)	137.1	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°	3259.8	3259.8	3259.8	3259.8	3259.8	3259.8	3259.8	3259.8	3259.8	3259.8
2.5°	3259.8	3256.7	3259.8	3262.9	3261.4	3261.4	3269.1	3273.8	3283.1	3281.6
5°	3238.1	3236.5	3248.9	3262.9	3273.8	3292.4	3315.7	3332.8	3354.6	3359.3
7.5°	3227.2	3222.5	3244.3	3269.1	3303.3	3349.9	3395.0	3441.6	3478.9	3491.3
10°	3235.0	3236.5	3266.0	3312.6	3367.0	3432.3	3496.0	3575.2	3628.1	3640.5
12.5°	3270.7	3267.6	3317.3	3391.9	3466.5	3548.8	3623.4	3710.4	3767.9	3797.4
15°	3335.9	3329.7	3399.7	3510.0	3618.7	3715.1	3775.7	3858.0	3924.8	3962.1
17.5°	3413.6	3416.7	3508.4	3651.4	3794.3	3903.1	3960.6	4002.5	4053.8	4086.4
20°	3550.4	3556.6	3659.1	3828.5	3991.6	4115.9	4162.6	4147.0	4161.0	4185.9
22.5°	3733.7	3736.8	3851.8	4035.1	4206.1	4342.8	4373.9	4310.2	4271.3	4288.4
25°	3946.6	3966.8	4081.8	4269.8	4445.3	4575.9	4589.8	4493.5	4397.2	4401.8
27.5°	4206.1	4224.7	4341.2	4527.7	4706.4	4819.8	4818.2	4689.3	4547.9	4512.2
30°	4487.3	4507.5	4627.1	4819.8	4986.1	5085.5	5063.7	4909.9	4707.9	4641.1
32.5°	4821.4	4833.8	4955.0	5147.6	5301.5	5380.7	5335.7	5146.1	4894.4	4818.2
35°	5225.3	5244.0	5334.1	5515.9	5651.1	5716.3	5640.2	5416.4	5133.7	5048.2
37.5°	5686.8	5674.4	5776.9	5938.5	6050.4	6090.8	5986.7	5721.0	5407.1	5306.1
40°	6168.5	6162.3	6274.1	6429.5	6490.1	6515.0	6361.1	6070.6	5722.5	5613.8
42.5°	6605.1	6600.4	6751.1	6923.6	6996.6	6968.7	6774.4	6441.9	6087.7	5963.4
45°	6954.7	6948.5	7133.4	7375.8	7518.7	7472.1	7211.1	6852.1	6457.5	6328.5
47.5°	7223.5	7226.6	7425.5	7725.4	7975.5	7992.6	7657.0	7270.1	6864.6	6718.5
50°	7417.7	7427.0	7639.9	7972.4	8314.2	8464.9	8112.2	7698.9	7285.6	7120.9
52.5°	7465.9	7483.0	7739.3	8129.3	8531.8	8819.2	8575.3	8110.7	7685.0	7528.0
55°	7209.5	7243.7	7568.4	8116.9	8665.4	9052.3	8982.4	8528.7	8087.4	7925.8
57.5°	6620.6	6668.8	7047.9	7764.2	8635.9	9212.3	9297.8	8929.5	8489.8	8334.4
60°	5795.6	5853.1	6216.6	6998.2	8219.4	9271.4	9520.0	9319.5	8859.6	8708.9
62.5°	4551.0	4625.6	5060.6	5977.4	7340.0	8996.3	9709.5	9672.2	9192.1	9004.1
65°	2919.5	2998.8	3457.1	4540.1	6166.9	8154.2	9768.6	10015.6	9543.3	9280.7
67.5°	1760.4	1796.2	2023.0	2751.7	4507.5	6884.8	9268.2	10396.3	9953.5	9627.2
70°	1126.5	1146.7	1281.9	1615.9	2548.2	5023.3	8028.3	10467.8	10450.7	9983.0
72.5°	764.5	770.7	806.4	957.1	1441.9	2854.3	5921.4	9476.5	10761.4	10441.3
75°	559.4	593.5	651.0	677.4	818.8	1426.4	3393.4	6657.9	9069.4	9209.2
77.5°	416.4	418.0	497.2	528.3	584.2	759.8	1435.7	3716.6	5630.9	5912.1
80°	352.7	334.1	332.5	425.7	439.7	473.9	641.7	1283.4	2016.8	1222.8
82.5°	293.7	273.5	247.0	332.5	299.9	290.6	278.1	522.1	641.7	315.4
85°	205.1	195.8	186.5	217.5	170.9	146.1	133.6	243.9	270.4	133.6
87.5°	88.6	91.7	93.2	96.3	71.5	51.3	51.3	68.4	68.4	52.8
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
3259.8
3280.0
3359.3
3494.4
3652.9
3809.8
3976.1
4102.0
4204.5
4300.8
4409.6
4523.0
4648.9
4836.9
5060.6
5324.8
5649.5
5994.4
6358.0
6762.0
7170.7
7568.4
7970.8
8370.2
8741.5
9025.9
9313.3
9652.0
9979.9
10391.6
8870.5
5273.5
924.5
268.8
118.1
38.8
0.0

OF REPORT)