

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: P957494

Luminaire Tested: **GALN-SB9D-830-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P957494
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SB9D-830-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(9) 80 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 87272 lumens
Efficiency: N/A
Efficacy: 132.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G5

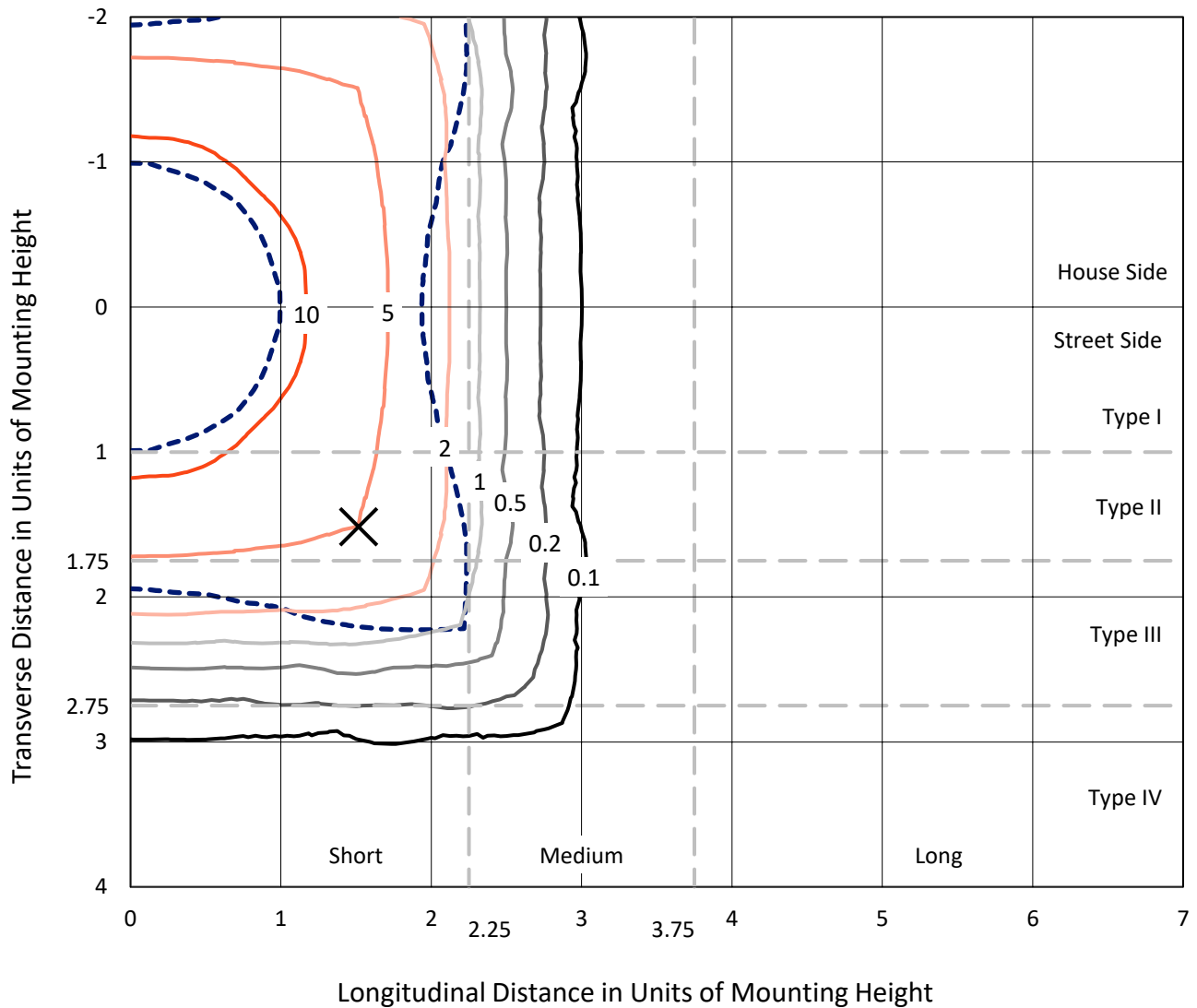
Input Watts (W): 658
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

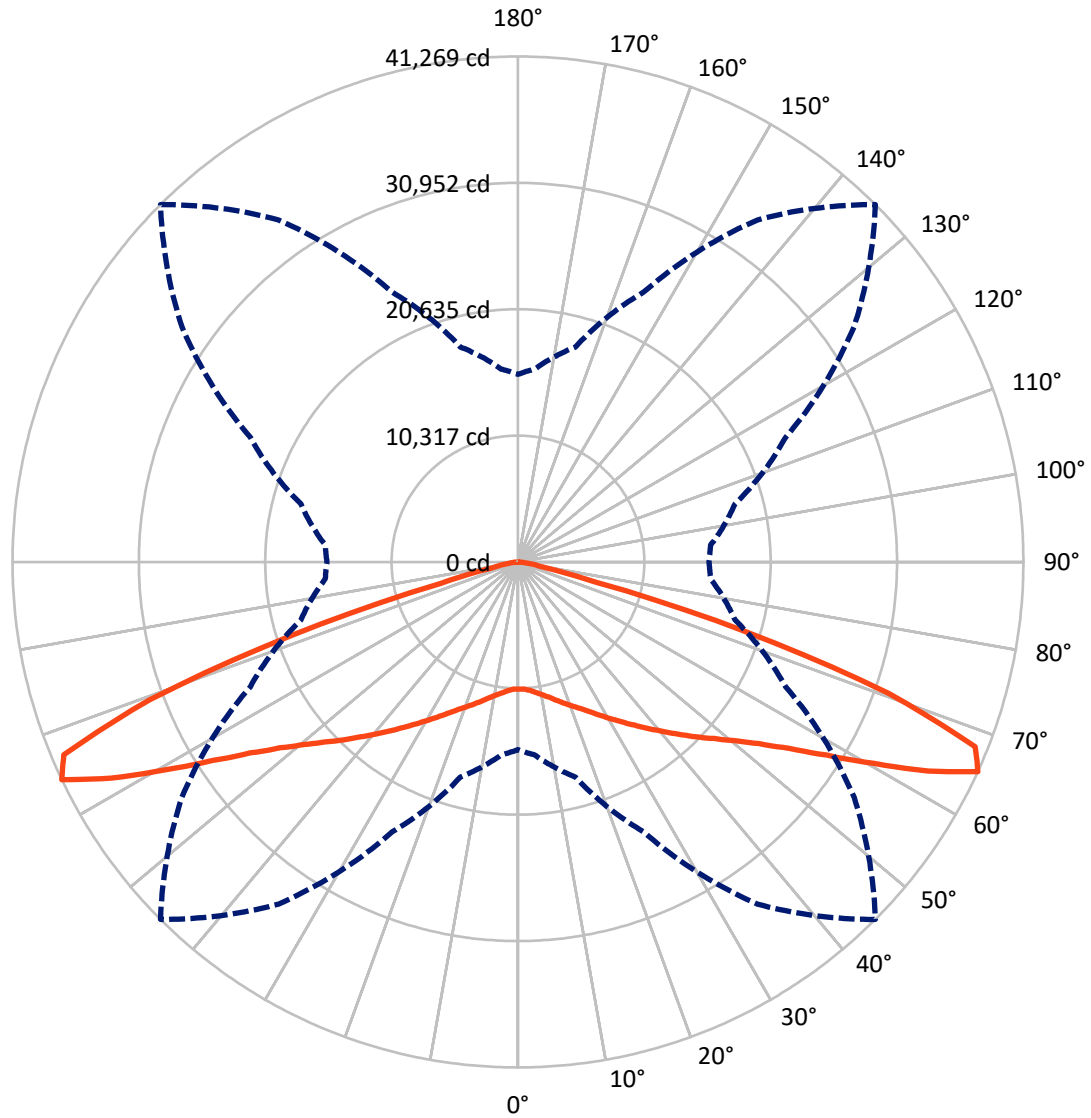
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 17 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	43636.0	0.0	43636.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	43636.0	0.0	43636.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	87272.0	0.0	87272.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	1025.0	1.2
10°-20°	3344.7	3.8
20°-30°	6315.2	7.2
30°-40°	10341.0	11.8
40°-50°	16033.7	18.4
50°-60°	23685.2	27.1
60°-70°	22546.1	25.8
70°-80°	3638.1	4.2
80°-90°	342.9	0.4
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°	87272.0	100.0
0°-180°	87272.0	100.0

Coefficient of Utilization



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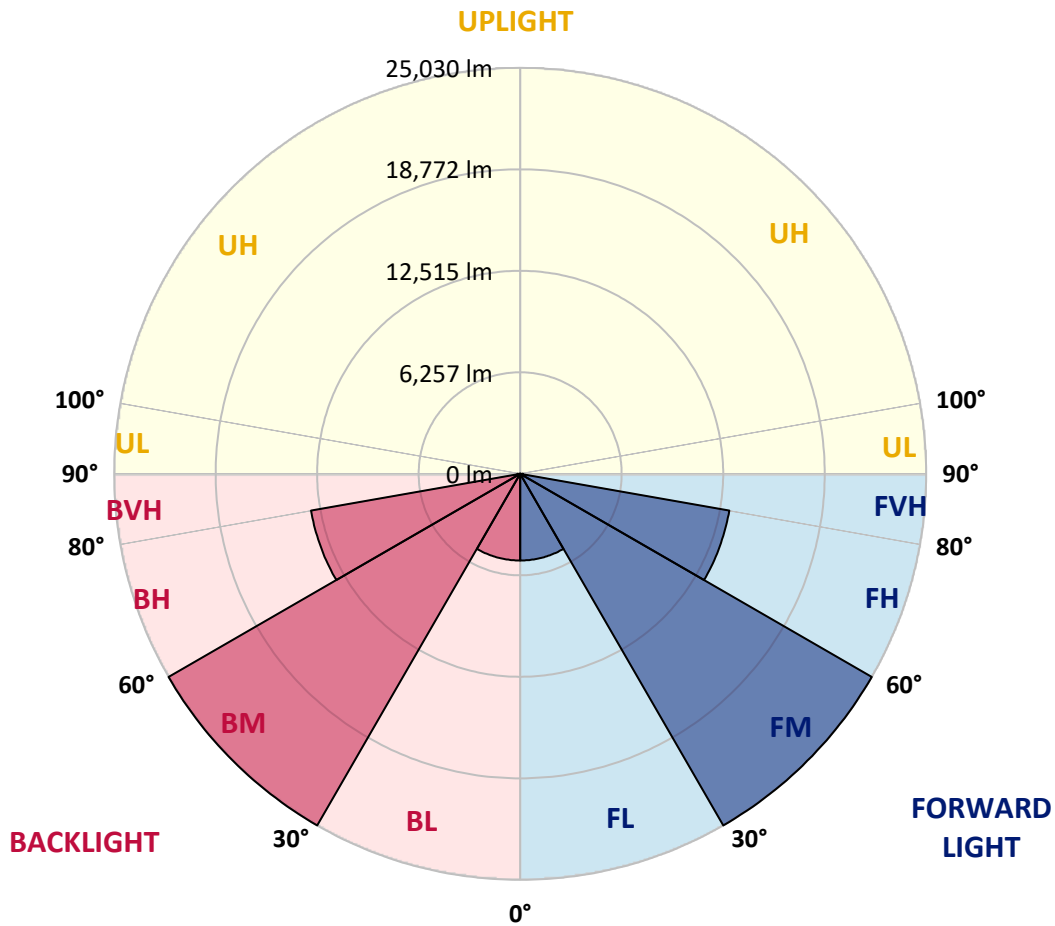
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	5342.5	6.1			
FM (30°-60°)	25030.0	28.7			
FH (60°-80°)	13092.1	15.0			G5
FVH (80°-90°)	171.5	0.2			G2/225
BL (0°-30°)	5342.5	6.1	B5		
BM (30°-60°)	25030.0	28.7	B5		
BH (60°-80°)	13092.1	15.0	B5		G5
BVH (80°-90°)	171.5	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-G5

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	10386.2	10386.2	10386.2	10386.2	10386.2	10386.2	10386.2	10386.2	10386.2	10386.2
2.5°	10456.3	10421.3	10447.5	10425.6	10408.1	10390.6	10399.4	10430.0	10443.2	10447.5
5°	10596.4	10565.8	10578.9	10578.9	10548.3	10539.5	10543.9	10565.8	10592.0	10592.0
7.5°	10824.1	10793.5	10824.1	10806.6	10780.3	10771.6	10767.2	10784.7	10824.1	10824.1
10°	11100.0	11064.9	11082.5	11073.7	11043.0	11029.9	11025.5	11051.8	11086.8	11082.5
12.5°	11402.1	11362.7	11384.6	11358.3	11349.6	11336.4	11336.4	11332.0	11353.9	11336.4
15°	11739.3	11713.0	11721.7	11704.2	11717.4	11708.6	11673.6	11656.1	11664.8	11638.5
17.5°	12137.7	12076.4	12107.1	12098.3	12098.3	12115.8	12058.9	12037.0	12054.5	12028.2
20°	12597.5	12536.2	12549.3	12531.8	12509.9	12527.4	12457.4	12474.9	12488.0	12470.5
22.5°	13101.0	13022.2	13017.8	13026.6	12978.4	12982.8	12934.6	12978.4	13004.7	12956.5
25°	13617.7	13534.5	13591.4	13569.5	13508.2	13521.4	13486.3	13530.1	13552.0	13490.7
27.5°	14165.0	14108.1	14160.7	14173.8	14099.4	14151.9	14099.4	14138.8	14160.7	14068.7
30°	14804.3	14747.4	14795.6	14830.6	14743.0	14826.2	14782.4	14808.7	14813.1	14703.6
32.5°	15500.5	15413.0	15535.6	15553.1	15456.8	15557.5	15500.5	15535.6	15557.5	15408.6
35°	16350.0	16240.5	16380.7	16358.8	16275.6	16358.8	16306.2	16358.8	16411.3	16231.8
37.5°	17265.2	17151.3	17300.2	17260.8	17182.0	17238.9	17208.2	17243.3	17326.5	17133.8
40°	18272.3	18132.1	18333.6	18263.5	18189.1	18180.3	18197.8	18219.7	18329.2	18114.6
42.5°	19349.4	19200.5	19502.7	19393.2	19288.1	19218.0	19275.0	19318.8	19423.8	19183.0
45°	20579.8	20409.1	20803.1	20671.8	20505.4	20360.9	20452.8	20518.5	20671.8	20382.8
47.5°	21937.2	21744.5	22164.9	22125.5	21854.0	21538.8	21748.9	21937.2	22051.1	21700.8
50°	23264.0	23115.1	23666.8	23715.0	23382.2	22939.9	23233.3	23517.9	23548.6	23088.8
52.5°	24507.5	24358.6	25159.9	25462.1	25164.3	24638.9	24949.7	25238.7	25006.7	24411.2
55°	25501.5	25378.9	26399.1	27178.5	27279.2	26845.7	27029.6	27020.9	26259.0	25343.8
57.5°	25742.3	25724.8	27012.1	28662.9	29713.8	29766.3	29402.9	28474.6	26832.6	25602.2
60°	24647.6	24757.1	26526.1	29437.9	32240.3	33405.0	31833.0	29183.9	26180.2	24472.5
62.5°	21372.4	21661.4	23793.8	28492.1	34280.7	37591.0	33781.6	28106.8	23500.4	21271.7
65°	15316.6	15820.2	18175.9	24314.8	34096.8	41269.1	33501.3	24117.8	18351.1	15780.8
67.5°	6949.0	7461.3	9462.3	16647.8	29639.3	40270.8	29569.3	16822.9	9935.2	7487.6
70°	2517.7	2605.3	3249.0	6664.4	18942.2	32087.0	19752.2	6712.5	3454.8	2776.1
72.5°	1523.8	1536.9	1672.7	2386.4	6581.2	19480.8	6861.4	2465.2	1707.7	1515.0
75°	967.7	958.9	1191.0	1458.1	2333.8	6572.4	2447.7	1458.1	1186.6	1081.5
77.5°	696.2	718.1	853.8	1090.3	1471.2	2228.8	1445.0	1042.1	853.8	700.6
80°	521.1	534.2	621.8	849.5	1033.4	1388.0	919.5	770.6	643.7	437.9
82.5°	376.6	376.6	407.2	617.4	630.5	748.8	499.2	543.0	424.7	310.9
85°	223.3	218.9	254.0	367.8	328.4	275.9	227.7	332.8	267.1	192.7
87.5°	78.8	83.2	78.8	105.1	87.6	74.4	70.1	92.0	74.4	65.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
10386.2
10447.5
10592.0
10811.0
11073.7
11345.2
11642.9
12050.1
12509.9
13004.7
13560.8
14138.8
14769.3
15509.3
16341.3
17252.0
18184.7
19310.0
20531.7
21819.0
23145.7
24428.7
25374.5
25523.4
24271.1
21140.3
15592.5
7378.1
2741.1
1541.3
1090.3
713.7
451.0
310.9
188.3
61.3
0.0

OF REPORT)