

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: P953126

Luminaire Tested: **GALN-SB6D-740-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P953126  
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-SB6D-740-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(6) 70 CRI, 4000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

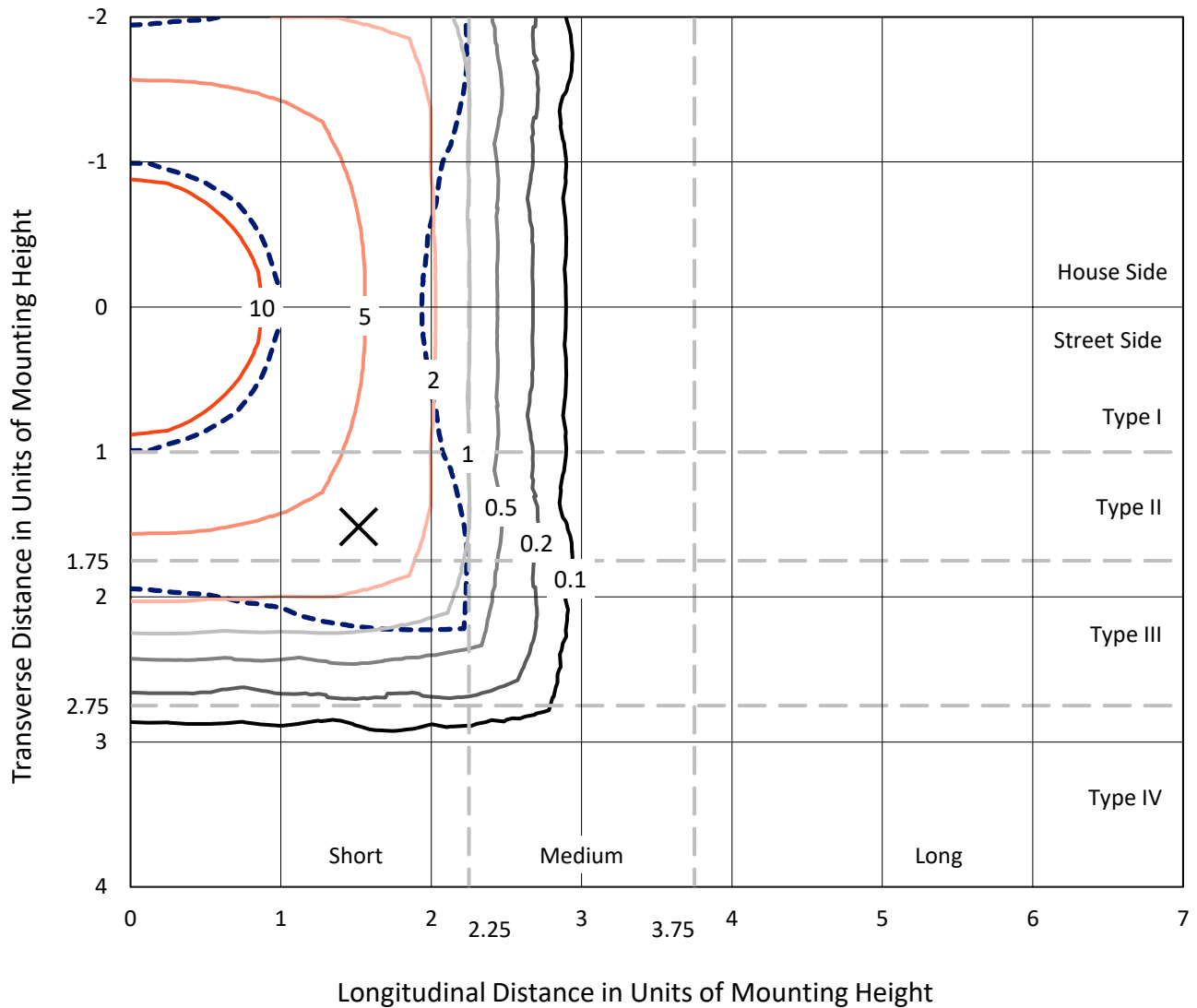
Lumens per Lamp: N/A  
Luminaire Lumens: 68412 lumens  
Efficiency: N/A  
Efficacy: 155.4 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B5 - U0 - G4  
  
Input Watts (W): 440.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

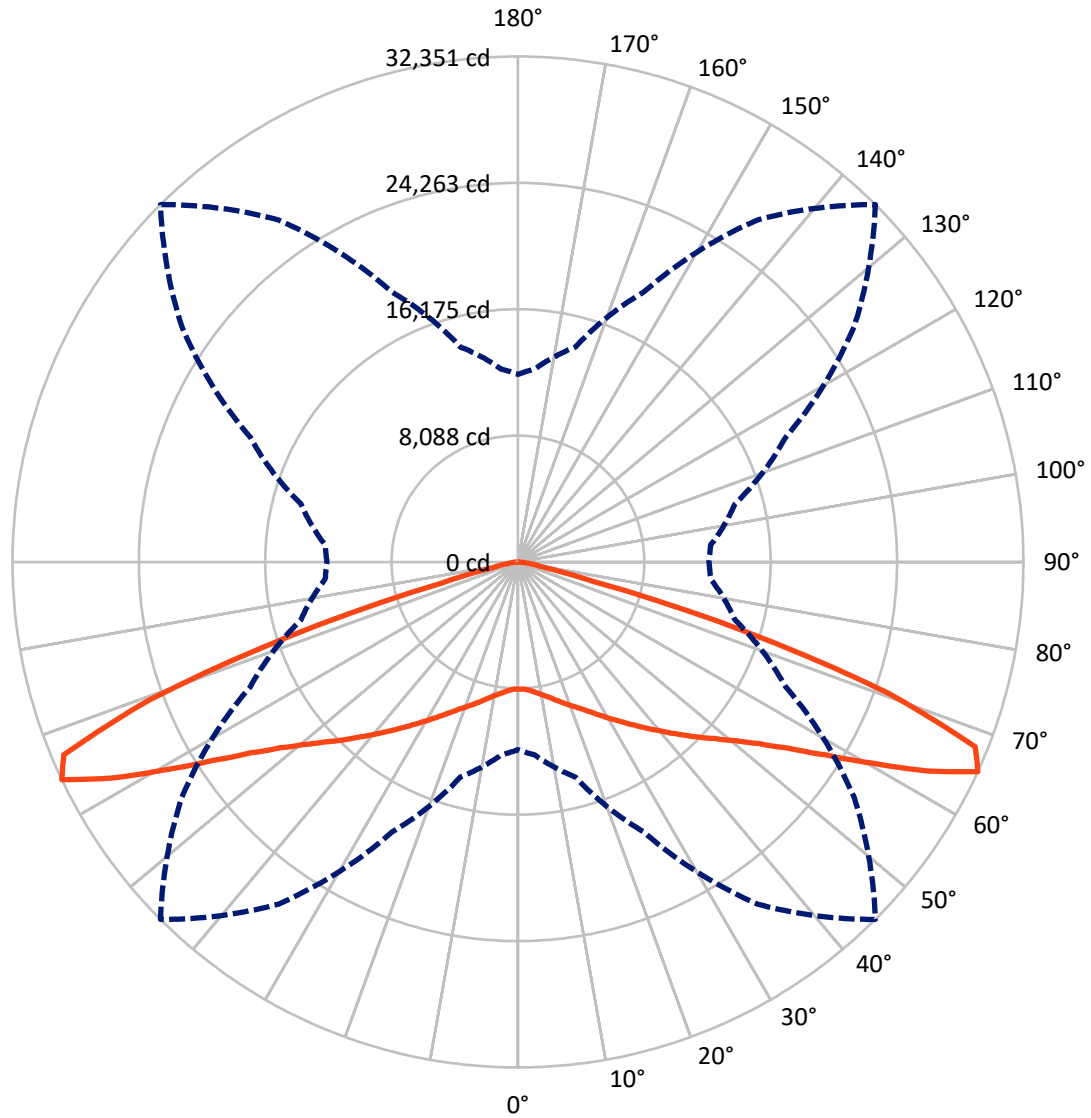
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 13.3 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
<b>House Side</b>	Lumens	34206.0	0.0	34206.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	34206.0	0.0	34206.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	68412.0	0.0	68412.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	803.5	1.2
10°-20°	2621.9	3.8
20°-30°	4950.5	7.2
30°-40°	8106.2	11.8
40°-50°	12568.8	18.4
50°-60°	18566.7	27.1
60°-70°	17673.8	25.8
70°-80°	2851.9	4.2
80°-90°	268.8	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°	68412.0	100.0
0°-180°	68412.0	100.0



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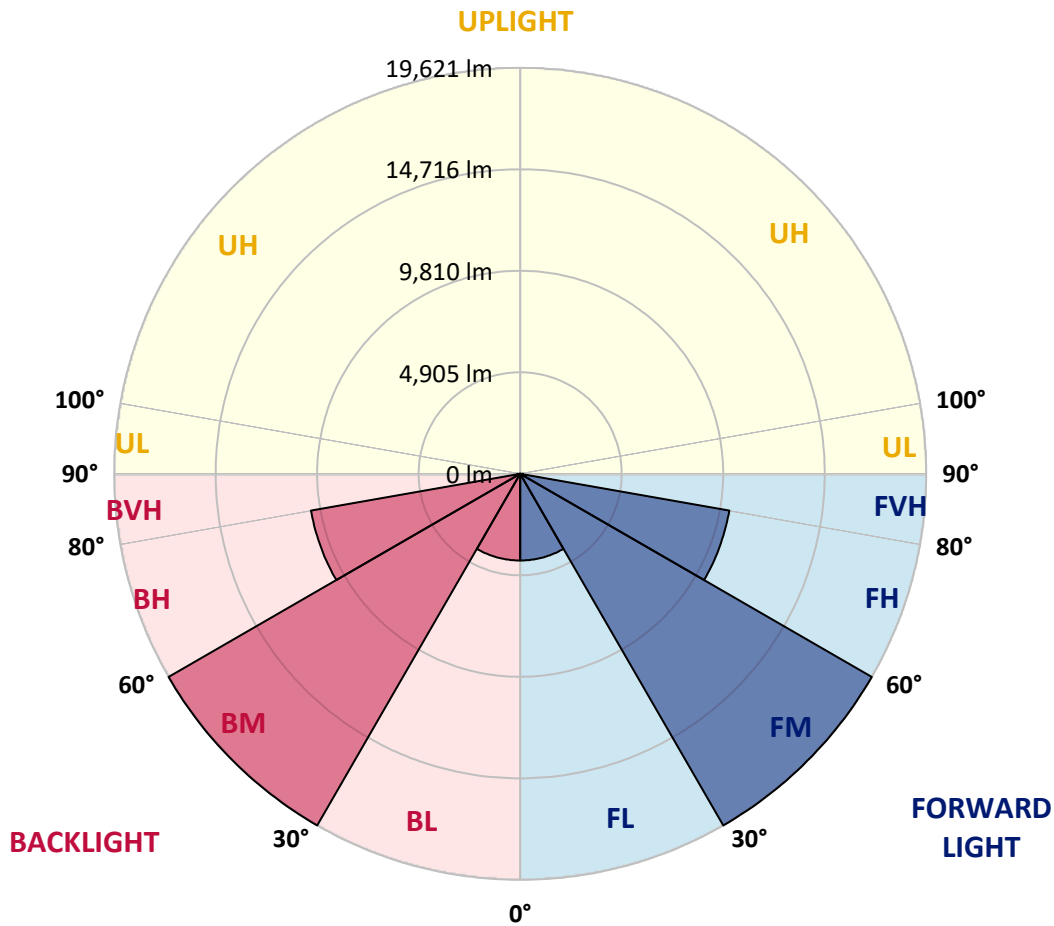
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4187.9	6.1			
FM (30°-60°)	19620.8	28.7			
FH (60°-80°)	10262.8	15.0			G4/12000
FVH (80°-90°)	134.4	0.2			G2/225
BL (0°-30°)	4187.9	6.1	B4/5000		
BM (30°-60°)	19620.8	28.7	B5		
BH (60°-80°)	10262.8	15.0	B5		G4/12000
BVH (80°-90°)	134.4	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-G4**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°
0°	8141.7	8141.7	8141.7	8141.7	8141.7	8141.7	8141.7	8141.7	8141.7	8141.7
2.5°	8196.6	8169.2	8189.8	8172.6	8158.9	8145.1	8152.0	8176.0	8186.3	8189.8
5°	8306.5	8282.4	8292.7	8292.7	8268.7	8261.8	8265.3	8282.4	8303.0	8303.0
7.5°	8485.0	8460.9	8485.0	8471.2	8450.6	8443.8	8440.3	8454.1	8485.0	8485.0
10°	8701.2	8673.7	8687.5	8680.6	8656.6	8646.3	8642.8	8663.4	8690.9	8687.5
12.5°	8938.0	8907.1	8924.3	8903.7	8896.8	8886.5	8886.5	8883.1	8900.3	8886.5
15°	9202.3	9181.7	9188.6	9174.9	9185.2	9178.3	9150.8	9137.1	9144.0	9123.4
17.5°	9514.7	9466.6	9490.7	9483.8	9483.8	9497.5	9452.9	9435.7	9449.5	9428.9
20°	9875.1	9827.0	9837.3	9823.6	9806.4	9820.2	9765.2	9779.0	9789.3	9775.5
22.5°	10269.8	10208.0	10204.6	10211.5	10173.7	10177.1	10139.4	10173.7	10194.3	10156.5
25°	10674.8	10609.6	10654.2	10637.1	10589.0	10599.3	10571.9	10606.2	10623.4	10575.3
27.5°	11103.9	11059.3	11100.5	11110.8	11052.4	11093.6	11052.4	11083.3	11100.5	11028.4
30°	11605.0	11560.4	11598.2	11625.6	11557.0	11622.2	11587.9	11608.5	11611.9	11526.1
32.5°	12150.8	12082.1	12178.2	12192.0	12116.5	12195.4	12150.8	12178.2	12195.4	12078.7
35°	12816.7	12730.9	12840.7	12823.5	12758.3	12823.5	12782.4	12823.5	12864.7	12724.0
37.5°	13534.1	13444.8	13561.5	13530.6	13468.8	13513.5	13489.4	13516.9	13582.1	13431.1
40°	14323.5	14213.7	14371.6	14316.6	14258.3	14251.4	14265.2	14282.3	14368.1	14199.9
42.5°	15167.9	15051.2	15288.0	15202.2	15119.8	15064.9	15109.5	15143.9	15226.2	15037.5
45°	16132.4	15998.5	16307.5	16204.5	16074.0	15960.8	16032.9	16084.3	16204.5	15977.9
47.5°	17196.4	17045.4	17374.9	17344.0	17131.2	16884.1	17048.9	17196.4	17285.7	17011.1
50°	18236.5	18119.8	18552.3	18590.0	18329.1	17982.5	18212.4	18435.6	18459.6	18099.2
52.5°	19211.3	19094.6	19722.7	19959.6	19726.1	19314.3	19558.0	19784.5	19602.6	19135.8
55°	19990.4	19894.3	20694.1	21305.1	21384.0	21044.2	21188.4	21181.5	20584.3	19866.9
57.5°	20179.2	20165.5	21174.6	22468.7	23292.4	23333.6	23048.7	22321.1	21033.9	20069.4
60°	19321.1	19406.9	20793.6	23076.2	25272.9	26186.0	24953.7	22877.1	20522.5	19183.8
62.5°	16753.7	16980.2	18651.8	22334.8	26872.5	29467.4	26481.2	22032.7	18421.8	16674.7
65°	12006.6	12401.4	14248.0	19060.3	26728.3	32350.6	26261.5	18905.8	14385.3	12370.5
67.5°	5447.3	5848.9	7417.5	13050.1	23234.1	31568.0	23179.2	13187.4	7788.2	5869.4
70°	1973.6	2042.3	2546.9	5224.2	14848.7	25152.8	15483.7	5261.9	2708.2	2176.2
72.5°	1194.5	1204.8	1311.2	1870.7	5158.9	15270.9	5378.6	1932.5	1338.6	1187.6
75°	758.6	751.7	933.6	1143.0	1829.5	5152.1	1918.7	1143.0	930.2	847.8
77.5°	545.8	562.9	669.3	854.7	1153.3	1747.1	1132.7	816.9	669.3	549.2
80°	408.5	418.8	487.4	665.9	810.1	1088.1	720.8	604.1	504.6	343.2
82.5°	295.2	295.2	319.2	484.0	494.3	586.9	391.3	425.6	332.9	243.7
85°	175.1	171.6	199.1	288.3	257.4	216.2	178.5	260.9	209.4	151.0
87.5°	61.8	65.2	61.8	82.4	68.6	58.4	54.9	72.1	58.4	51.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
8141.7
8189.8
8303.0
8474.7
8680.6
8893.4
9126.8
9446.0
9806.4
10194.3
10630.2
11083.3
11577.6
12157.6
12809.8
13523.8
14254.9
15137.0
16094.6
17103.8
18143.8
19149.5
19890.9
20007.6
19025.9
16571.7
12222.9
5783.6
2148.7
1208.2
854.7
559.5
353.5
243.7
147.6
48.1
0.0

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