

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: P953105

Luminaire Tested: **GALN-SB6D-735-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953105
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-735-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 64663 lumens
Efficiency: N/A
Efficacy: 146.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

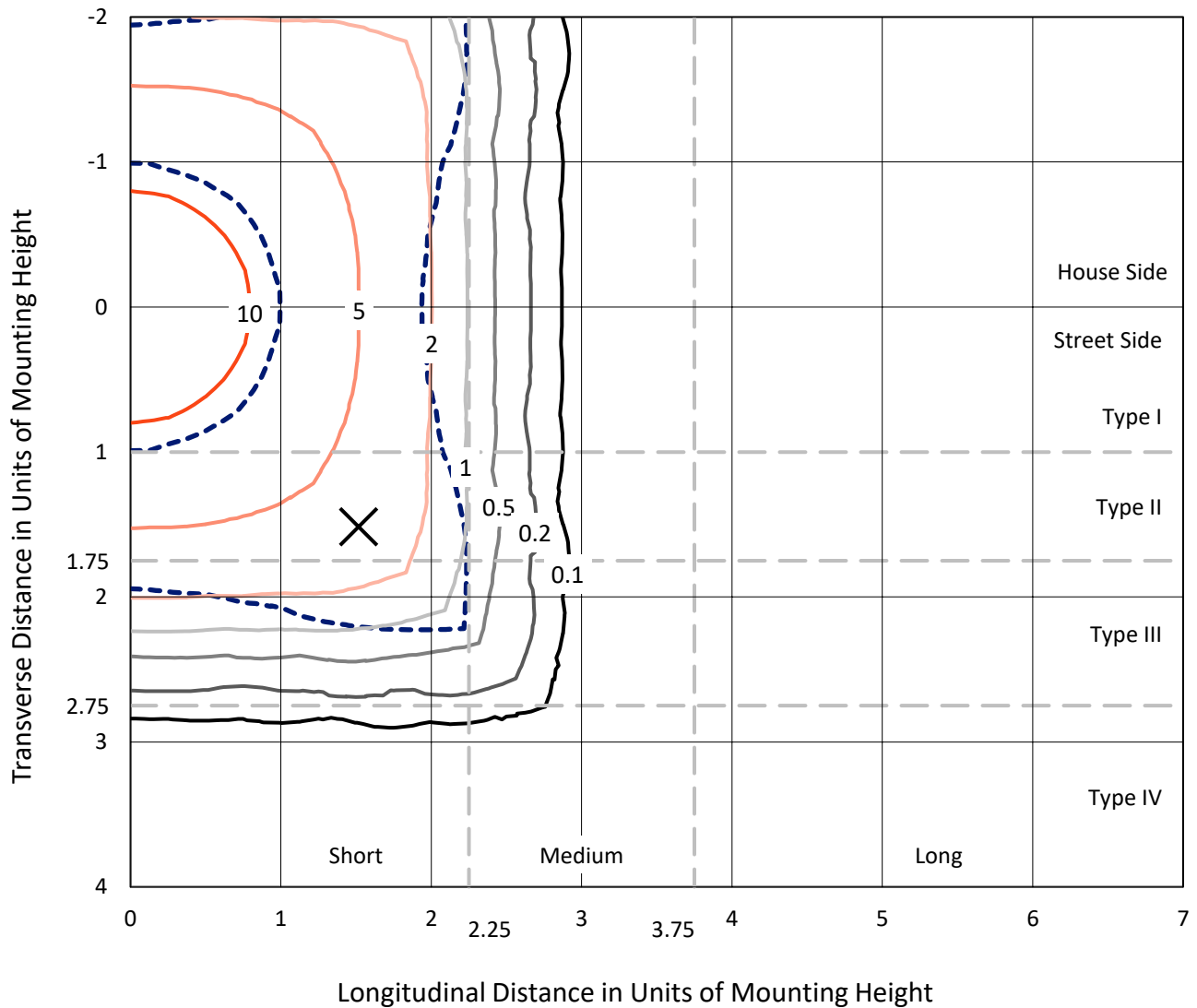
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

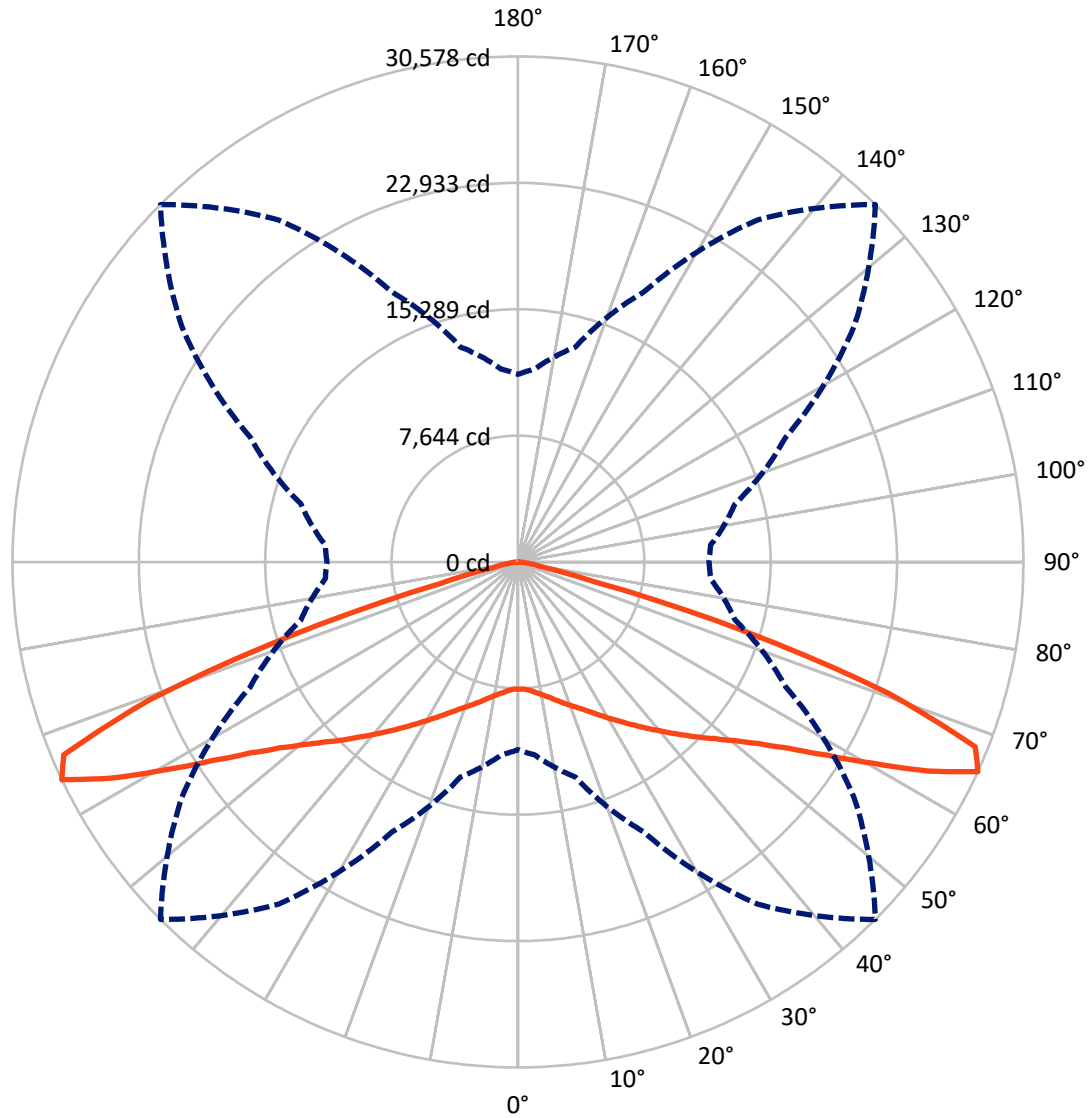
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.6 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	32331.5	0.0	32331.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	32331.5	0.0	32331.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	64663.0	0.0	64663.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	759.5	1.2
10°-20°	2478.2	3.8
20°-30°	4679.2	7.2
30°-40°	7662.0	11.8
40°-50°	11880.0	18.4
50°-60°	17549.2	27.1
60°-70°	16705.2	25.8
70°-80°	2695.6	4.2
80°-90°	254.1	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°	64663.0	100.0
0°-180°	64663.0	100.0

Coefficient of Utilization



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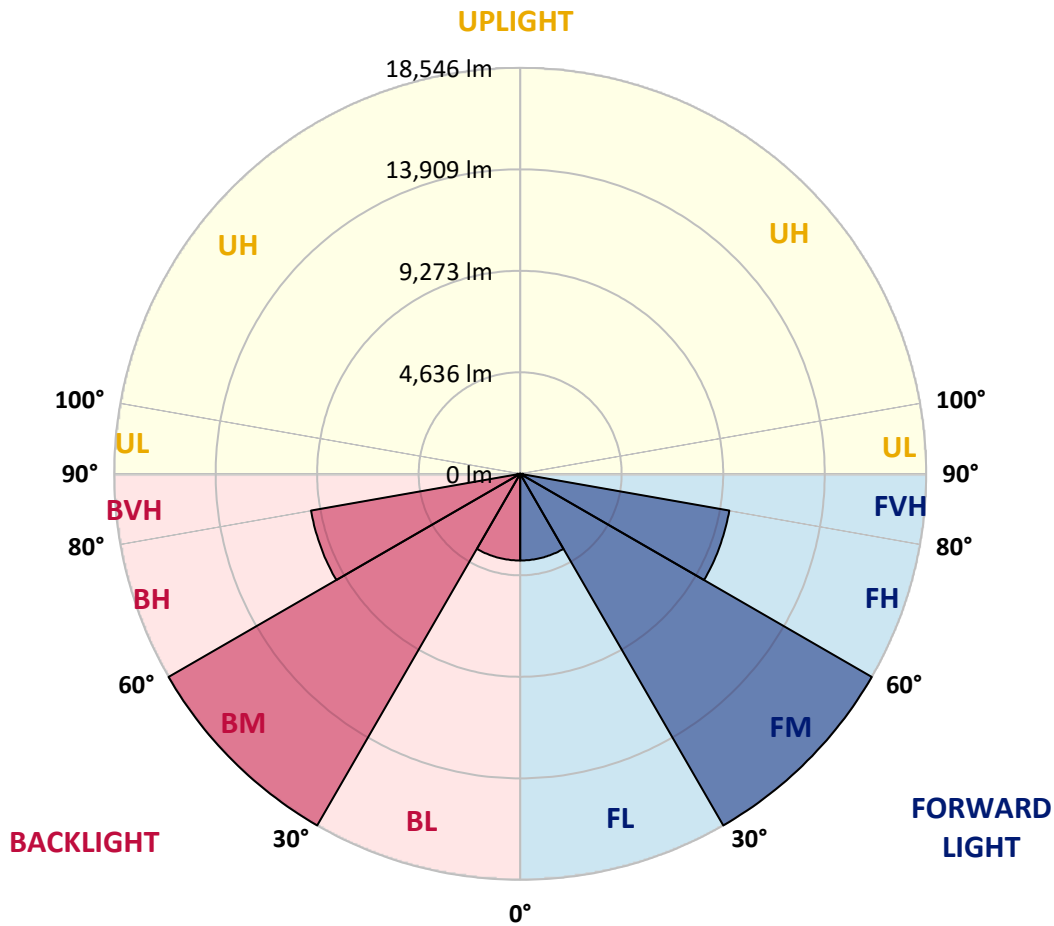
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3958.4	6.1			
FM (30°-60°)	18545.6	28.7			
FH (60°-80°)	9700.4	15.0			G4/12000
FVH (80°-90°)	127.1	0.2			G2/225
BL (0°-30°)	3958.4	6.1	B4/5000		
BM (30°-60°)	18545.6	28.7	B5		
BH (60°-80°)	9700.4	15.0	B5		G4/12000
BVH (80°-90°)	127.1	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°	7695.5	7695.5	7695.5	7695.5	7695.5	7695.5	7695.5	7695.5	7695.5	7695.5
2.5°	7747.5	7721.5	7741.0	7724.7	7711.8	7698.8	7705.3	7728.0	7737.7	7741.0
5°	7851.3	7828.6	7838.3	7838.3	7815.6	7809.1	7812.3	7828.6	7848.0	7848.0
7.5°	8020.0	7997.3	8020.0	8007.0	7987.5	7981.0	7977.8	7990.8	8020.0	8020.0
10°	8224.4	8198.4	8211.4	8204.9	8182.2	8172.5	8169.2	8188.7	8214.6	8211.4
12.5°	8448.2	8419.0	8435.3	8415.8	8409.3	8399.6	8399.6	8396.3	8412.5	8399.6
15°	8698.0	8678.6	8685.1	8672.1	8681.8	8675.3	8649.4	8636.4	8642.9	8623.4
17.5°	8993.3	8947.9	8970.6	8964.1	8964.1	8977.1	8934.9	8918.7	8931.6	8912.2
20°	9333.9	9288.5	9298.2	9285.3	9269.0	9282.0	9230.1	9243.1	9252.8	9239.8
22.5°	9707.0	9648.6	9645.4	9651.9	9616.2	9619.4	9583.7	9616.2	9635.7	9600.0
25°	10089.9	10028.2	10070.4	10054.2	10008.7	10018.5	9992.5	10025.0	10041.2	9995.8
27.5°	10495.4	10453.2	10492.2	10501.9	10446.7	10485.7	10446.7	10475.9	10492.2	10424.0
30°	10969.1	10926.9	10962.6	10988.5	10923.6	10985.3	10952.8	10972.3	10975.6	10894.5
32.5°	11484.9	11420.0	11510.9	11523.8	11452.5	11527.1	11484.9	11510.9	11527.1	11416.8
35°	12114.3	12033.2	12137.0	12120.8	12059.2	12120.8	12081.9	12120.8	12159.7	12026.7
37.5°	12792.4	12708.0	12818.3	12789.1	12730.7	12772.9	12750.2	12776.2	12837.8	12695.1
40°	13538.6	13434.8	13584.0	13532.1	13476.9	13470.4	13483.4	13499.6	13580.8	13421.8
42.5°	14336.7	14226.4	14450.2	14369.1	14291.3	14239.4	14281.5	14314.0	14391.8	14213.4
45°	15248.3	15121.8	15413.8	15316.5	15193.2	15086.1	15154.3	15202.9	15316.5	15102.3
47.5°	16254.1	16111.3	16422.8	16393.6	16192.4	15958.8	16114.6	16254.1	16338.4	16078.9
50°	17237.1	17126.8	17535.6	17571.3	17324.7	16997.0	17214.4	17425.3	17448.0	17107.3
52.5°	18158.5	18048.2	18641.9	18865.8	18645.1	18255.8	18486.2	18700.3	18528.4	18087.1
55°	18895.0	18804.1	19560.0	20137.5	20212.2	19891.0	20027.2	20020.7	19456.2	18778.2
57.5°	19073.4	19060.4	20014.3	21237.4	22016.0	22054.9	21785.7	21097.9	19881.2	18969.6
60°	18262.3	18343.4	19654.1	21811.6	23888.0	24751.0	23586.3	21623.4	19397.8	18132.5
62.5°	15835.6	16049.7	17629.7	21110.8	25399.8	27852.5	25030.0	20825.3	17412.3	15760.9
65°	11348.7	11721.8	13467.2	18015.7	25263.6	30577.8	24822.3	17869.8	13597.0	11692.6
67.5°	5148.7	5528.3	7011.0	12334.9	21960.8	29838.1	21908.9	12464.7	7361.4	5547.8
70°	1865.5	1930.4	2407.3	4937.9	14035.0	23774.4	14635.2	4973.6	2559.8	2056.9
72.5°	1129.0	1138.8	1239.3	1768.2	4876.2	14434.0	5083.9	1826.6	1265.3	1122.5
75°	717.0	710.5	882.5	1080.4	1729.2	4869.7	1813.6	1080.4	879.2	801.3
77.5°	515.8	532.1	632.6	807.8	1090.1	1651.4	1070.6	772.1	632.6	519.1
80°	386.1	395.8	460.7	629.4	765.7	1028.5	681.3	571.0	476.9	324.4
82.5°	279.0	279.0	301.7	457.5	467.2	554.8	369.9	402.3	314.7	230.3
85°	165.5	162.2	188.2	272.5	243.3	204.4	168.7	246.6	197.9	142.8
87.5°	58.4	61.6	58.4	77.9	64.9	55.2	51.9	68.1	55.2	48.7
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°
7695.5
7741.0
7848.0
8010.2
8204.9
8406.1
8626.7
8928.4
9269.0
9635.7
10047.7
10475.9
10943.1
11491.4
12107.8
12782.6
13473.7
14307.5
15212.6
16166.5
17149.5
18100.1
18800.9
18911.2
17983.3
15663.6
11553.0
5466.7
2030.9
1142.0
807.8
528.8
334.2
230.3
139.5
45.4
0.0

OF REPORT)