

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: P953087

Luminaire Tested: **GALN-SB6D-730-U-RW**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P953087
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-SB6D-730-U-RW
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR
WIDE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 63544 lumens
Efficiency: N/A
Efficacy: 144.4 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): 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

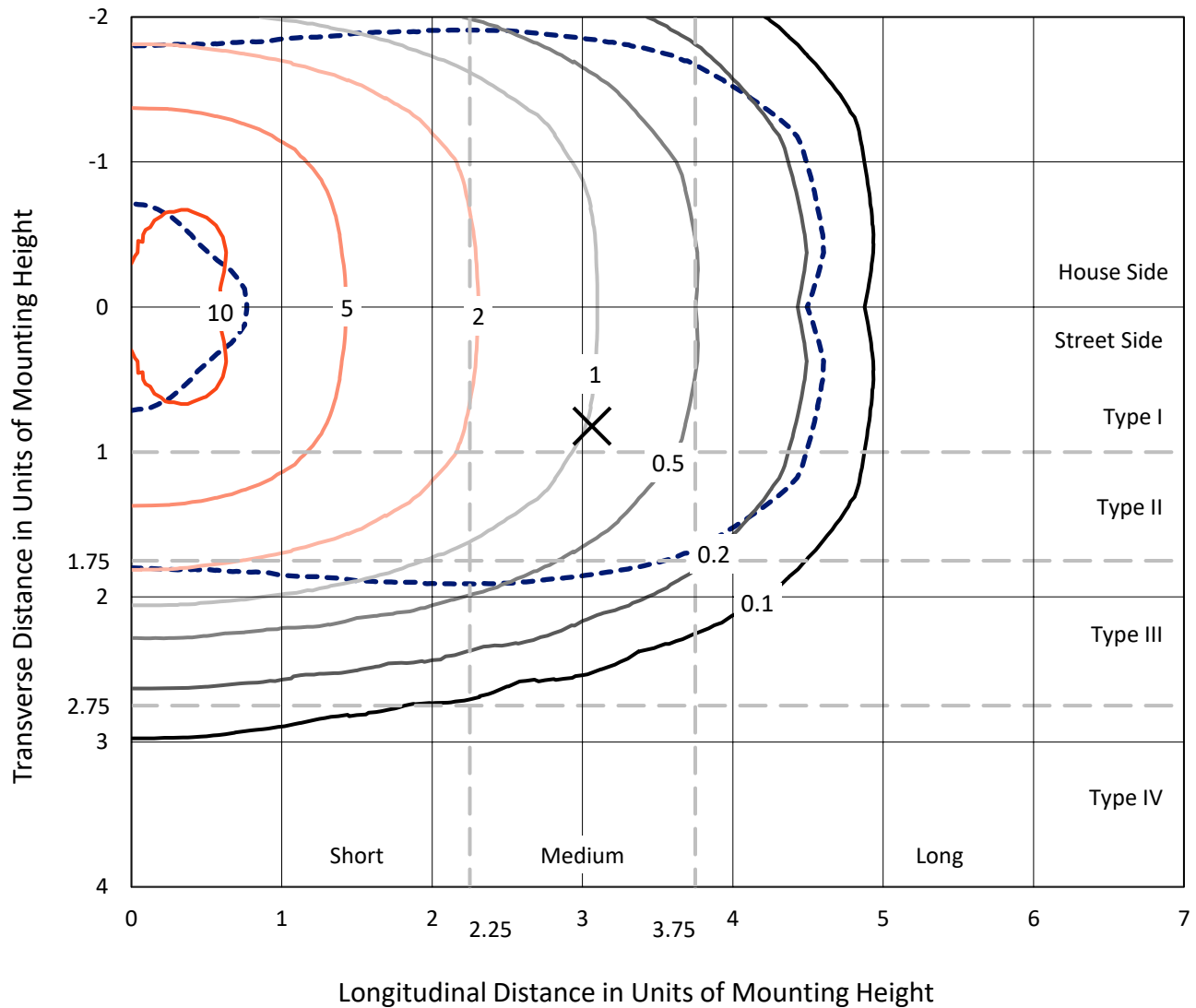


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

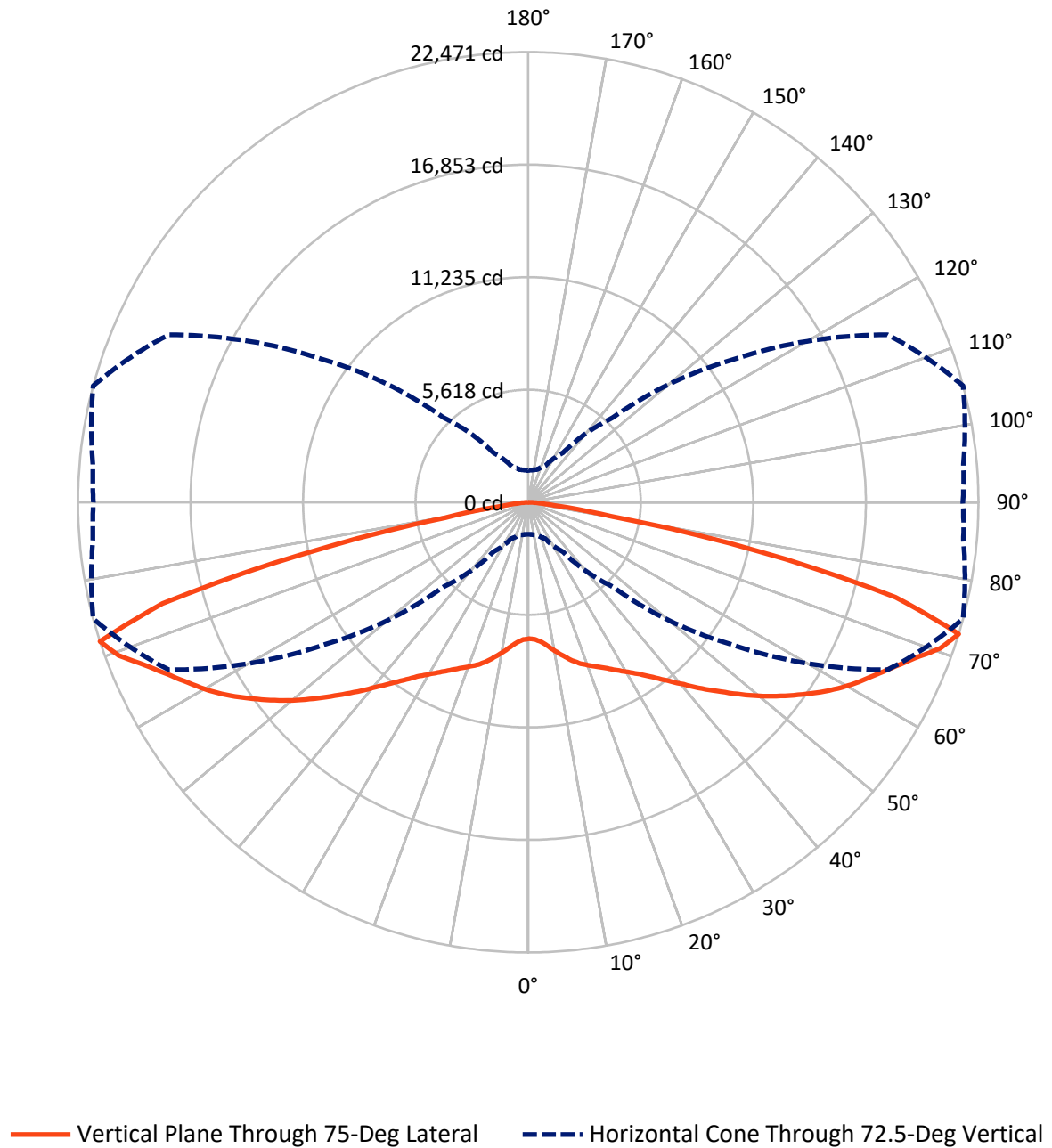


Based on 25 foot mounting height. Maximum calculated value = 11.9 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	31772.0	0.0	31772.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	31772.0	0.0	31772.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	63544.0	0.0	63544.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	666.8	1.0
10°-20°	2199.2	3.5
20°-30°	4249.4	6.7
30°-40°	7175.4	11.3
40°-50°	11379.4	17.9
50°-60°	15235.7	24.0
60°-70°	14499.5	22.8
70°-80°	7566.0	11.9
80°-90°	572.7	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°	63544.0	100.0
0°-180°	63544.0	100.0

Coefficient of Utilization



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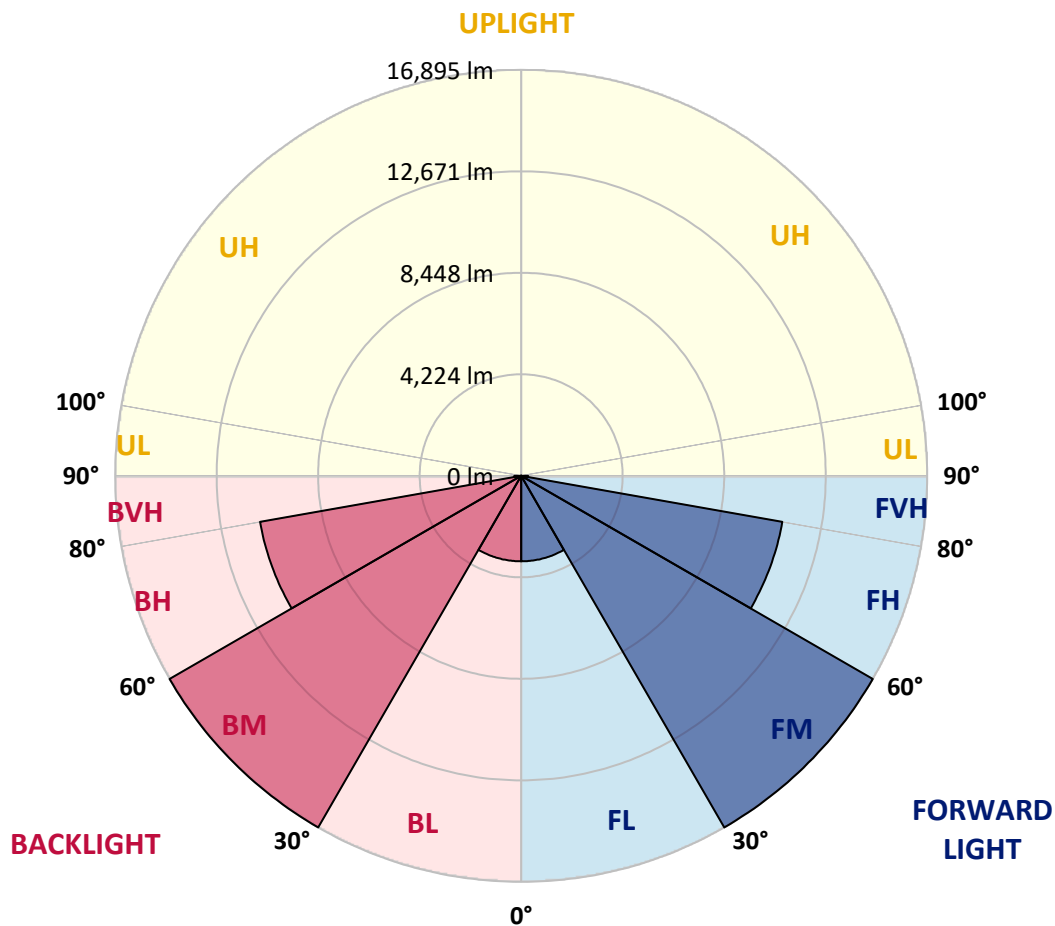
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	3557.7	5.6			
FM	(30°-60°)	16895.2	26.6			
FH	(60°-80°)	11032.8	17.4			G4/12000
FVH	(80°-90°)	286.4	0.5			G3/500
BL	(0°-30°)	3557.7	5.6	B4/5000		
BM	(30°-60°)	16895.2	26.6	B5		
BH	(60°-80°)	11032.8	17.4	B5		G5
BVH	(80°-90°)	286.4	0.5			G3/500
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°	90°
0°	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7	6806.7
2.5°	6806.7	6800.2	6806.7	6813.2	6809.9	6809.9	6826.2	6835.9	6855.4	6852.1	6848.9
5°	6761.3	6758.0	6784.0	6813.2	6835.9	6874.8	6923.5	6959.2	7004.6	7014.3	7014.3
7.5°	6738.6	6728.8	6774.3	6826.2	6897.5	6994.9	7089.0	7186.3	7264.2	7290.1	7296.6
10°	6754.8	6758.0	6819.7	6917.0	7030.6	7166.8	7299.8	7465.3	7575.6	7601.6	7627.5
12.5°	6829.4	6822.9	6926.7	7082.5	7238.2	7410.2	7565.9	7747.6	7867.6	7929.3	7955.2
15°	6965.7	6952.7	7098.7	7329.0	7556.2	7757.3	7883.8	8055.8	8195.3	8273.2	8302.4
17.5°	7127.9	7134.4	7325.8	7624.3	7922.8	8149.9	8269.9	8357.5	8464.6	8532.7	8565.2
20°	7413.4	7426.4	7640.5	7994.1	8334.8	8594.4	8691.7	8659.2	8688.4	8740.3	8779.3
22.5°	7796.2	7802.7	8042.8	8425.6	8782.5	9068.0	9132.9	8999.9	8918.8	8954.5	8980.4
25°	8240.7	8282.9	8523.0	8915.5	9282.2	9554.7	9583.9	9382.7	9181.6	9191.3	9207.5
27.5°	8782.5	8821.5	9064.8	9454.1	9827.2	10064.1	10060.8	9791.5	9496.3	9421.7	9444.4
30°	9369.8	9411.9	9661.8	10064.1	10411.2	10618.8	10573.4	10252.2	9830.5	9690.9	9707.2
32.5°	10067.3	10093.3	10346.3	10748.6	11069.8	11235.3	11141.2	10745.4	10219.8	10060.8	10099.7
35°	10910.8	10949.8	11137.9	11517.5	11799.8	11936.1	11777.1	11309.9	10719.4	10541.0	10566.9
37.5°	11874.4	11848.5	12062.6	12400.0	12633.6	12718.0	12500.6	11945.8	11290.4	11079.5	11118.5
40°	12880.2	12867.2	13100.8	13425.2	13551.8	13603.7	13282.5	12675.8	11949.0	11721.9	11796.5
42.5°	13791.8	13782.1	14096.8	14456.9	14609.4	14551.0	14145.5	13451.2	12711.5	12451.9	12516.8
45°	14521.8	14508.8	14894.9	15401.1	15699.5	15602.2	15057.1	14307.7	13483.6	13214.3	13276.0
47.5°	15083.1	15089.6	15504.9	16131.0	16653.4	16689.1	15988.3	15180.4	14333.7	14028.7	14119.5
50°	15488.6	15508.1	15952.6	16646.9	17360.7	17675.4	16938.9	16075.9	15212.9	14869.0	14972.8
52.5°	15589.2	15624.9	16160.2	16974.6	17814.9	18415.1	17905.7	16935.6	16046.7	15719.0	15803.4
55°	15053.9	15125.3	15803.4	16948.6	18093.9	18901.7	18755.7	17808.4	16887.0	16549.6	16643.6
57.5°	13824.3	13924.9	14716.5	16212.1	18032.2	19235.9	19414.3	18645.4	17727.3	17402.8	17477.5
60°	12101.5	12221.6	12980.7	14612.7	17162.7	19359.2	19878.3	19459.8	18499.4	18184.7	18252.9
62.5°	9502.8	9658.5	10566.9	12481.1	15326.4	18784.9	20274.1	20196.2	19193.7	18801.2	18846.6
65°	6096.2	6261.6	7218.7	9480.1	12876.9	17026.5	20397.4	20913.2	19927.0	19378.7	19446.8
67.5°	3675.9	3750.5	4224.2	5745.8	9411.9	14375.8	19352.7	21708.1	20783.5	20102.2	20154.1
70°	2352.2	2394.3	2676.6	3374.2	5320.8	10489.1	16763.7	21857.4	21821.7	20845.1	20838.6
72.5°	1596.2	1609.2	1683.8	1998.5	3010.8	5959.9	12364.3	19787.4	22470.5	21802.2	21698.4
75°	1168.0	1239.4	1359.4	1414.5	1709.8	2978.3	7085.7	13902.1	18937.4	19229.4	18522.1
77.5°	869.5	872.7	1038.2	1103.1	1219.9	1586.5	2997.8	7760.5	11757.6	12344.8	11011.4
80°	736.5	697.5	694.3	889.0	918.2	989.5	1339.9	2679.9	4211.2	2553.3	1930.4
82.5°	613.2	571.0	515.9	694.3	626.2	606.7	580.7	1090.1	1339.9	658.6	561.3
85°	428.3	408.8	389.3	454.2	356.9	305.0	279.0	509.4	564.5	279.0	246.6
87.5°	184.9	191.4	194.7	201.2	149.2	107.1	107.1	142.8	142.8	110.3	81.1
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)