

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: P954536

Luminaire Tested: **GALN-SB7D-735-U-RW**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P954536  
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-SB7D-735-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(7) 70 CRI, 3500K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

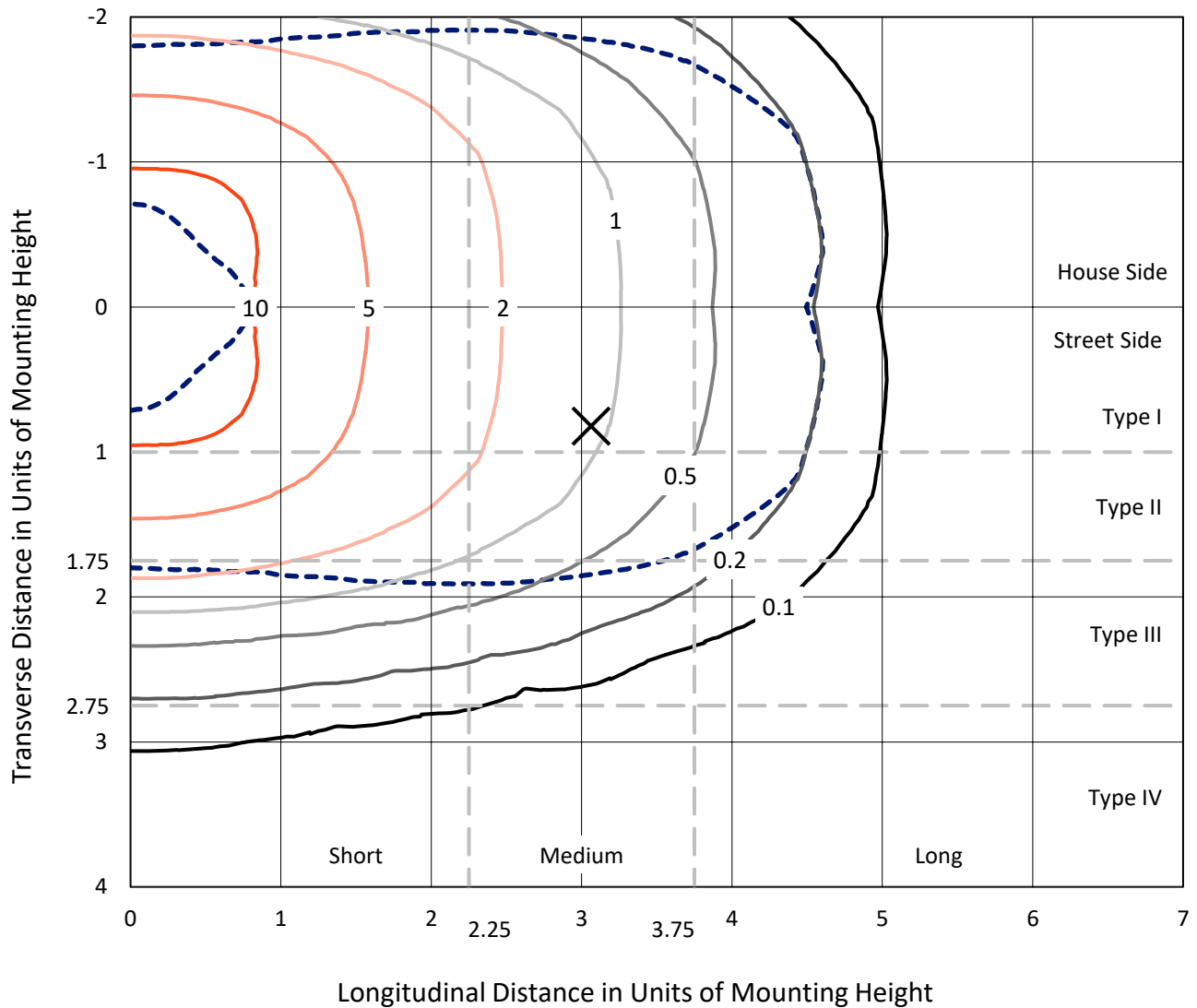
Lumens per Lamp: N/A  
Luminaire Lumens: 74522 lumens  
Efficiency: N/A  
Efficacy: 145.3 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 512.8  
Input Voltage (V): NR  
Input Current (Ain): 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

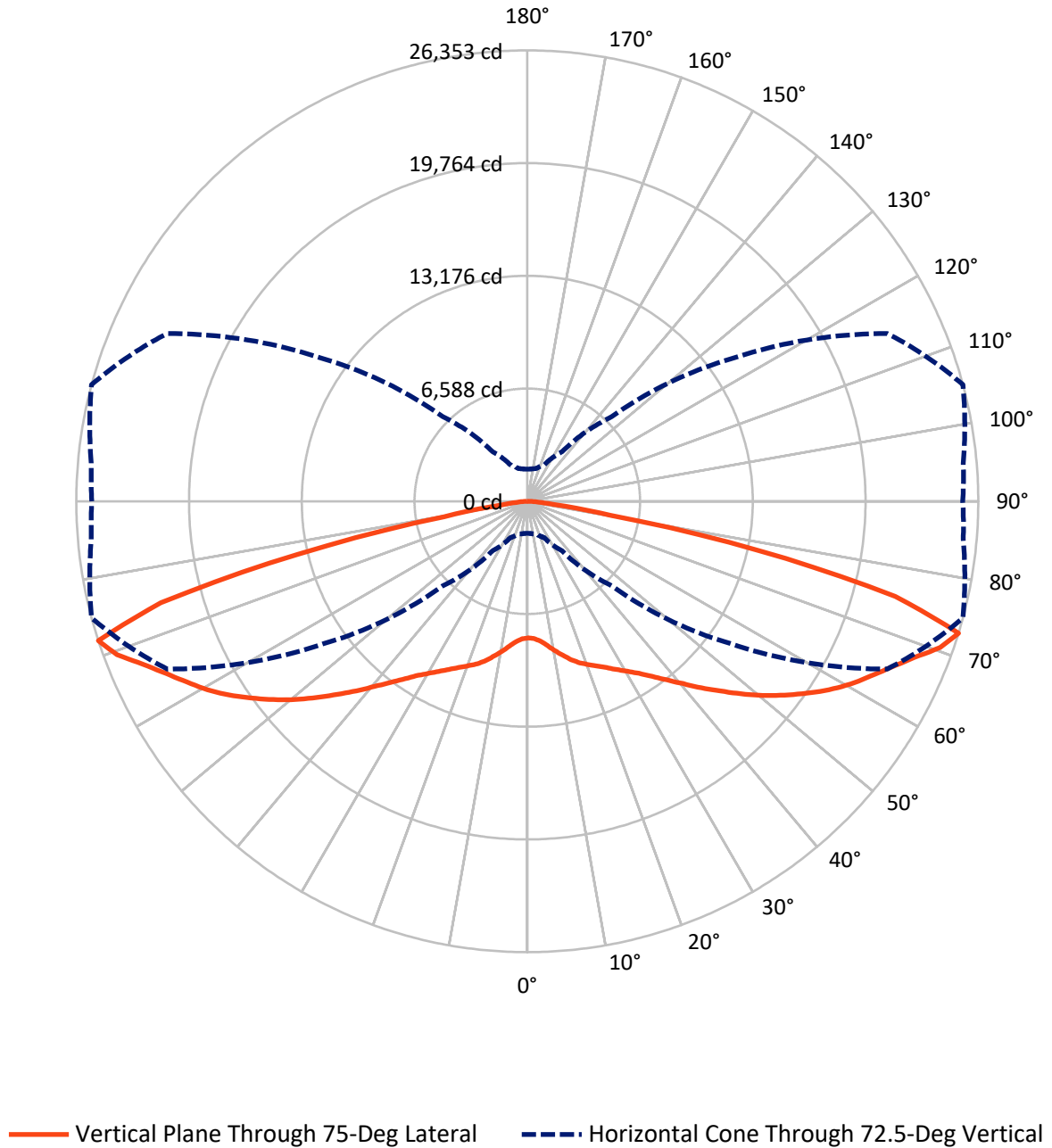
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	37261.0	0.0	37261.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	37261.0	0.0	37261.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	74522.0	0.0	74522.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	782.0	1.0
10°-20°	2579.1	3.5
20°-30°	4983.5	6.7
30°-40°	8415.0	11.3
40°-50°	13345.3	17.9
50°-60°	17867.8	24.0
60°-70°	17004.4	22.8
70°-80°	8873.2	11.9
80°-90°	671.7	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°	74522.0	100.0
0°-180°	74522.0	100.0

**Coefficient of Utilization**



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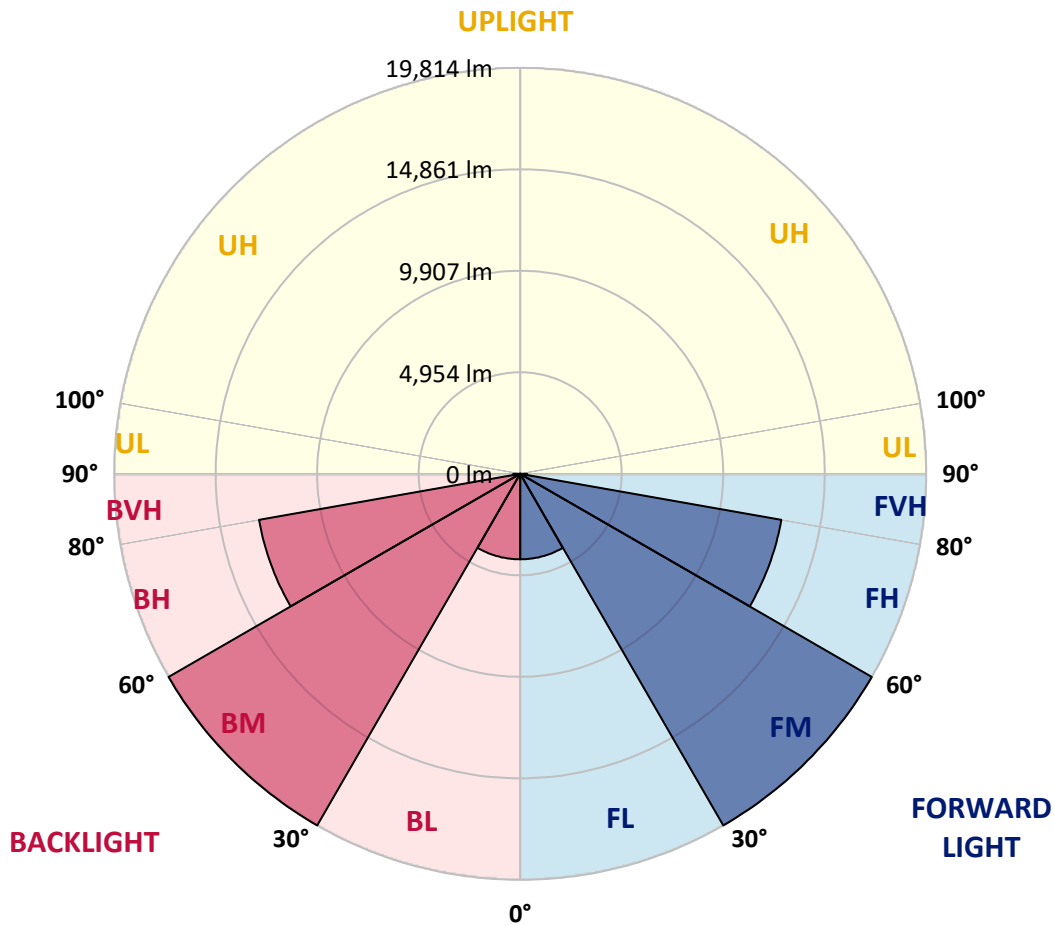
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4172.3	5.6			
FM (30°-60°)	19814.1	26.6			
FH (60°-80°)	12938.8	17.4			G5
FVH (80°-90°)	335.8	0.5			G3/500
BL (0°-30°)	4172.3	5.6	B4/5000		
BM (30°-60°)	19814.1	26.6	B5		
BH (60°-80°)	12938.8	17.4	B5		G5
BVH (80°-90°)	335.8	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°
0°	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6	7982.6
2.5°	7982.6	7975.0	7982.6	7990.3	7986.4	7986.4	8005.5	8016.9	8039.7	8035.9
5°	7929.4	7925.6	7956.0	7990.3	8016.9	8062.5	8119.6	8161.5	8214.7	8226.2
7.5°	7902.7	7891.3	7944.6	8005.5	8089.2	8203.3	8313.7	8427.8	8519.1	8549.6
10°	7921.8	7925.6	7997.9	8112.0	8245.2	8405.0	8561.0	8755.0	8884.4	8914.8
12.5°	8009.3	8001.7	8123.4	8306.1	8488.7	8690.3	8873.0	9086.1	9226.8	9299.1
15°	8169.1	8153.9	8325.1	8595.2	8861.6	9097.5	9245.9	9447.5	9611.1	9702.4
17.5°	8359.3	8366.9	8591.4	8941.5	9291.5	9557.9	9698.6	9801.4	9926.9	10006.8
20°	8694.2	8709.4	8960.5	9375.2	9774.7	10079.1	10193.3	10155.2	10189.5	10250.3
22.5°	9143.1	9150.7	9432.3	9881.3	10299.8	10634.6	10710.7	10554.7	10459.6	10501.5
25°	9664.4	9713.9	9995.4	10455.8	10885.8	11205.4	11239.6	11003.7	10767.8	10779.2
27.5°	10299.8	10345.5	10630.8	11087.4	11525.0	11802.7	11798.9	11483.1	11136.9	11049.4
30°	10988.5	11038.0	11330.9	11802.7	12209.9	12453.4	12400.1	12023.4	11528.8	11365.2
32.5°	11806.5	11837.0	12133.8	12605.6	12982.3	13176.3	13066.0	12601.8	11985.4	11798.9
35°	12795.8	12841.5	13062.2	13507.3	13838.4	13998.2	13811.7	13263.8	12571.3	12362.1
37.5°	13925.9	13895.4	14146.5	14542.3	14816.2	14915.1	14660.2	14009.6	13241.0	12993.7
40°	15105.4	15090.2	15364.1	15744.6	15893.0	15953.9	15577.2	14865.7	14013.4	13747.0
42.5°	16174.5	16163.1	16532.2	16954.5	17133.4	17064.9	16589.3	15775.0	14907.5	14603.1
45°	17030.6	17015.4	17468.2	18061.8	18411.8	18297.7	17658.5	16779.5	15813.1	15497.3
47.5°	17688.9	17696.5	18183.5	18917.9	19530.5	19572.3	18750.5	17803.0	16810.0	16452.3
50°	18164.5	18187.3	18708.6	19522.8	20359.9	20729.0	19865.3	18853.2	17841.1	17437.8
52.5°	18282.5	18324.3	18952.1	19907.1	20892.6	21596.5	20999.1	19861.5	18818.9	18434.6
55°	17654.6	17738.4	18533.6	19876.7	21219.8	22167.2	21996.0	20885.0	19804.4	19408.7
57.5°	16212.6	16330.5	17258.9	19013.0	21147.5	22559.1	22768.4	21866.7	20789.9	20409.4
60°	14192.2	14333.0	15223.3	17137.2	20127.8	22703.7	23312.5	22821.7	21695.4	21326.4
62.5°	11144.5	11327.1	12392.5	14637.4	17974.3	22030.3	23776.7	23685.4	22509.7	22049.3
65°	7149.4	7343.4	8465.9	11117.9	15101.6	19968.0	23921.3	24526.3	23369.6	22726.6
67.5°	4310.9	4398.4	4954.0	6738.4	11038.0	16859.4	22696.1	25458.5	24374.1	23575.0
70°	2758.5	2808.0	3139.0	3957.1	6240.0	12301.2	19659.8	25633.5	25591.6	24446.4
72.5°	1872.0	1887.2	1974.7	2343.8	3530.9	6989.6	14500.4	23206.0	26352.6	25568.8
75°	1369.8	1453.5	1594.2	1658.9	2005.2	3492.9	8309.9	16303.9	22209.1	22551.5
77.5°	1019.7	1023.5	1217.6	1293.7	1430.6	1860.6	3515.7	9101.3	13788.9	14477.6
80°	863.7	818.0	814.2	1042.5	1076.8	1160.5	1571.4	3142.8	4938.7	2994.4
82.5°	719.1	669.7	605.0	814.2	734.3	711.5	681.1	1278.4	1571.4	772.4
85°	502.2	479.4	456.6	532.7	418.5	357.7	327.2	597.4	662.0	327.2
87.5°	216.9	224.5	228.3	235.9	175.0	125.6	125.6	167.4	167.4	129.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END C

90°  
7982.6  
8032.1  
8226.2  
8557.2  
8945.3  
9329.6  
9736.7  
10044.9  
10296.0  
10531.9  
10798.3  
11076.0  
11384.2  
11844.6  
12392.5  
13039.3  
13834.5  
14679.2  
15569.6  
16558.8  
17559.5  
18533.6  
19519.0  
20496.9  
21406.3  
22102.6  
22806.5  
23635.9  
24438.8  
*25447.0*  
21722.1  
12913.8  
2263.9  
658.2  
289.2  
95.1  
0.0

OF REPORT)