

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: P954512

Luminaire Tested: **GALN-SB7D-730-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P954512
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-SB7D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(7) 70 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: 75834 lumens
Efficiency: N/A
Efficacy: 147.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

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



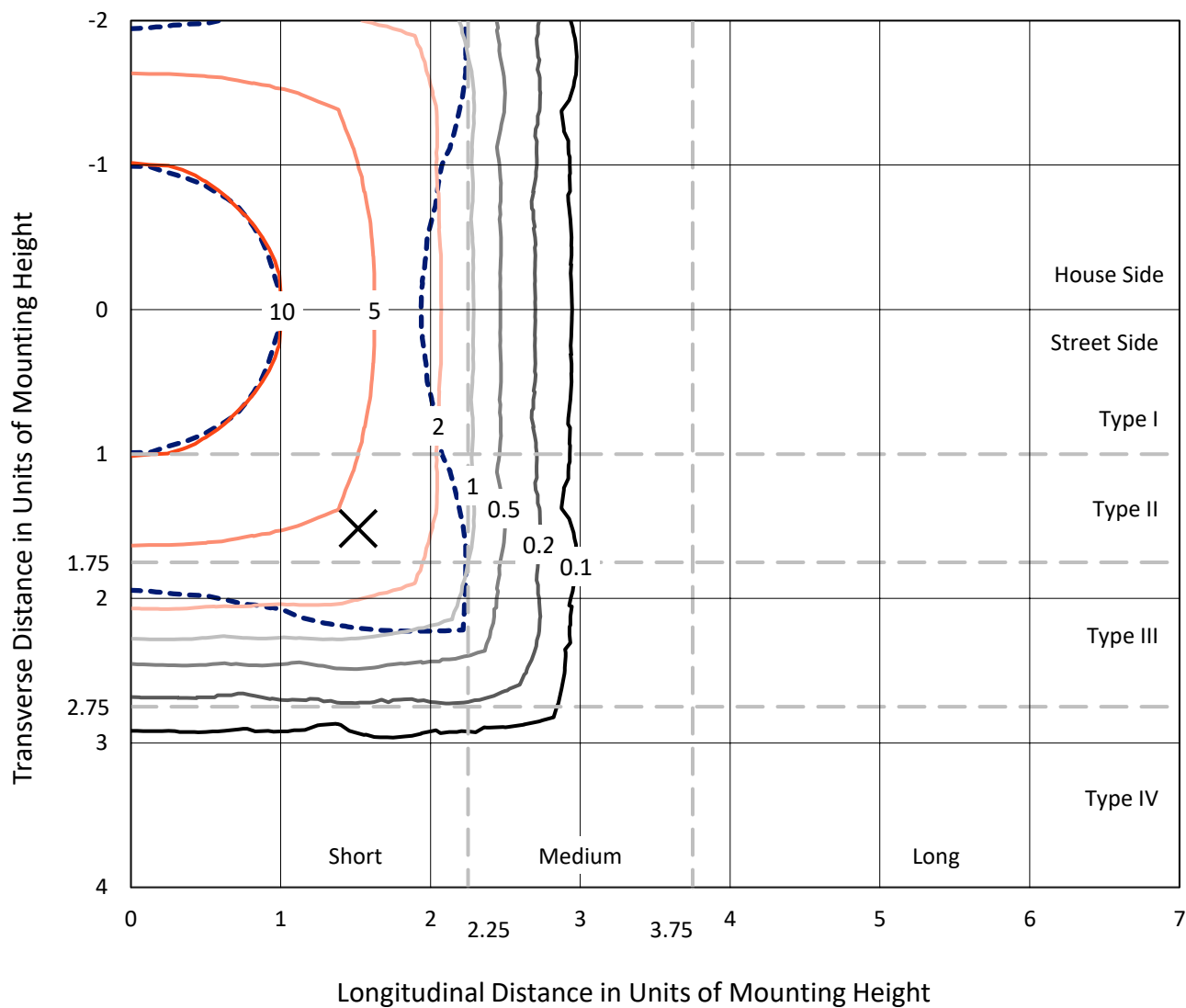
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Iso-Footcandle Lines of Horizontal Illumination

× Max cd

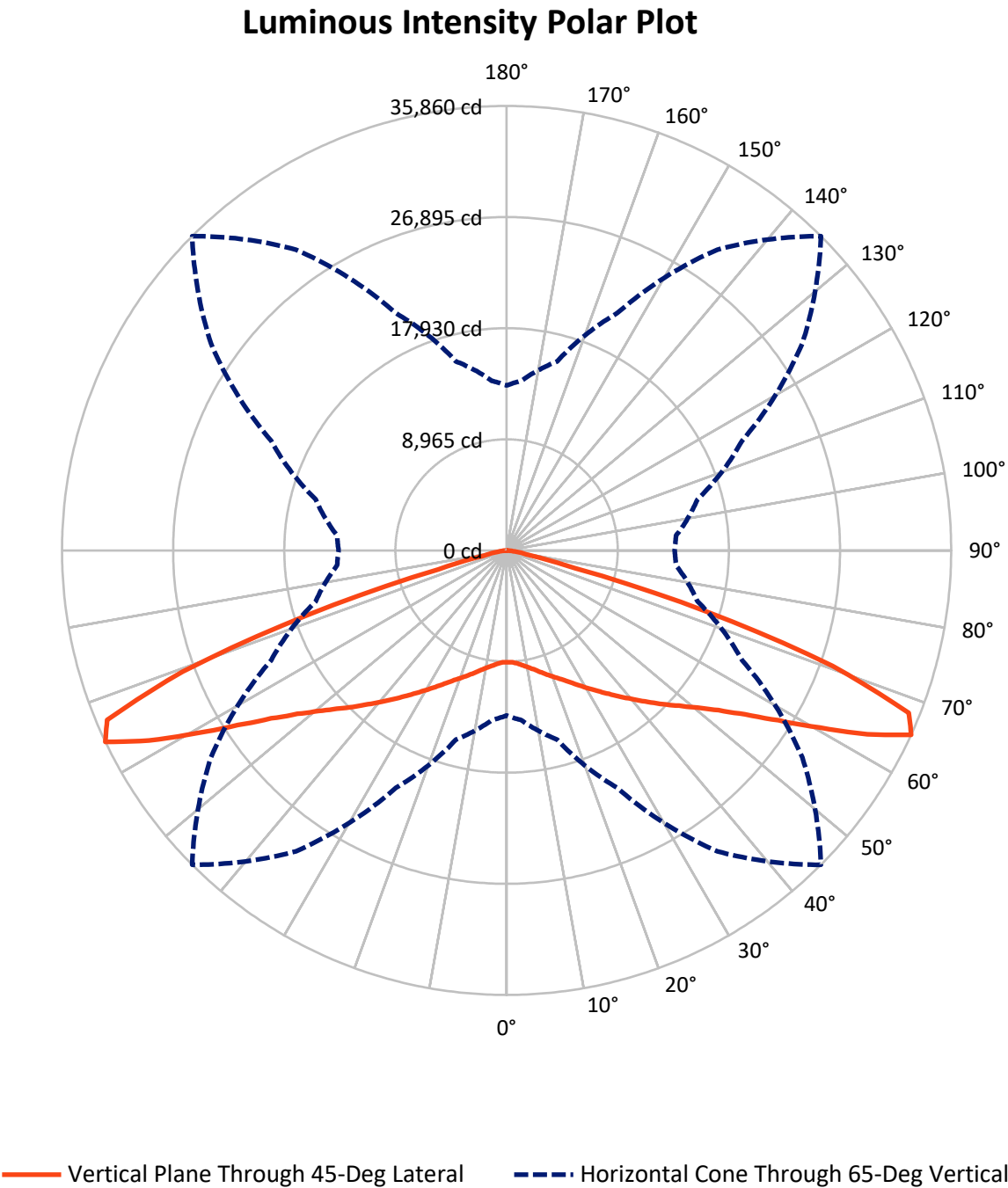
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.7 fc

Type V - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	37917.0	0.0	37917.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	37917.0	0.0	37917.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	75834.0	0.0	75834.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	890.7	1.2
10°-20°	2906.4	3.8
20°-30°	5487.5	7.2
30°-40°	8985.7	11.8
40°-50°	13932.3	18.4
50°-60°	20581.0	27.1
60°-70°	19591.2	25.8
70°-80°	3161.3	4.2
80°-90°	298.0	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°	75834.0	100.0
0°-180°	75834.0	100.0

Coefficient of Utilization



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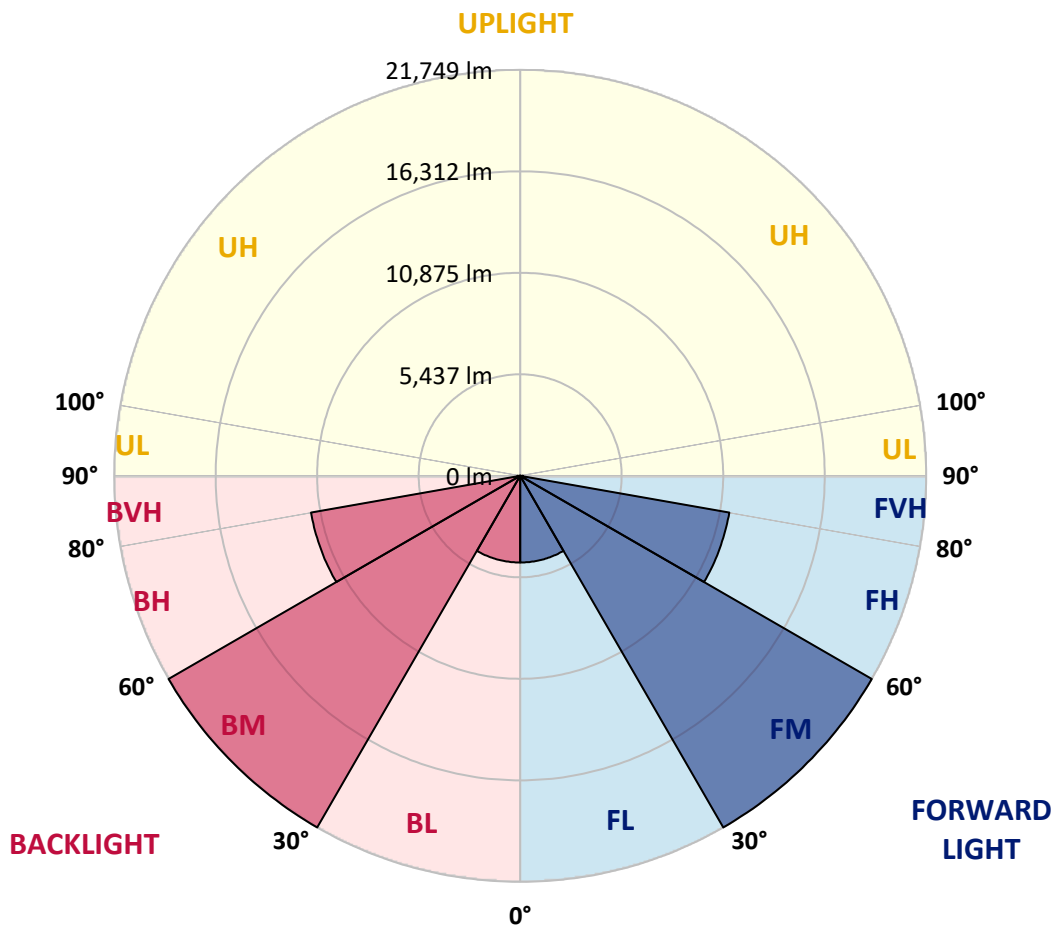
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	4642.3	6.1			
FM	(30°-60°)	21749.5	28.7			
FH	(60°-80°)	11376.2	15.0			G4/12000
FVH	(80°-90°)	149.0	0.2			G2/225
BL	(0°-30°)	4642.3	6.1	B4/5000		
BM	(30°-60°)	21749.5	28.7	B5		
BH	(60°-80°)	11376.2	15.0	B5		G4/12000
BVH	(80°-90°)	149.0	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°	90°
0°	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0	9025.0
2.5°	9085.9	9055.4	9078.3	9059.2	9044.0	9028.8	9036.4	9063.1	9074.5	9078.3	9078.3
5°	9207.6	9181.0	9192.4	9192.4	9165.8	9158.2	9162.0	9181.0	9203.8	9203.8	9203.8
7.5°	9405.5	9378.9	9405.5	9390.3	9367.4	9359.8	9356.0	9371.2	9405.5	9405.5	9394.1
10°	9645.2	9614.7	9630.0	9622.4	9595.7	9584.3	9580.5	9603.3	9633.8	9630.0	9622.4
12.5°	9907.7	9873.5	9892.5	9869.7	9862.1	9850.6	9850.6	9846.8	9865.9	9850.6	9858.3
15°	10200.7	10177.9	10185.5	10170.3	10181.7	10174.1	10143.6	10128.4	10136.0	10113.2	10117.0
17.5°	10546.9	10493.7	10520.3	10512.7	10512.7	10527.9	10478.4	10459.4	10474.6	10451.8	10470.8
20°	10946.4	10893.2	10904.6	10889.4	10870.3	10885.6	10824.7	10839.9	10851.3	10836.1	10870.3
22.5°	11384.0	11315.5	11311.7	11319.3	11277.5	11281.3	11239.4	11277.5	11300.3	11258.4	11300.3
25°	11833.0	11760.7	11810.1	11791.1	11737.8	11749.2	11718.8	11756.9	11775.9	11722.6	11783.5
27.5°	12308.6	12259.1	12304.7	12316.2	12251.5	12297.1	12251.5	12285.7	12304.7	12224.8	12285.7
30°	12864.1	12814.6	12856.4	12886.9	12810.8	12883.1	12845.0	12867.9	12871.7	12776.5	12833.6
32.5°	13469.0	13392.9	13499.5	13514.7	13431.0	13518.5	13469.0	13499.5	13518.5	13389.1	13476.6
35°	14207.2	14112.0	14233.8	14214.8	14142.5	14214.8	14169.1	14214.8	14260.4	14104.4	14199.5
37.5°	15002.4	14903.4	15032.8	14998.6	14930.1	14979.5	14952.9	14983.3	15055.6	14888.2	14990.9
40°	15877.5	15755.7	15930.7	15869.9	15805.2	15797.6	15812.8	15831.8	15926.9	15740.5	15801.4
42.5°	16813.4	16684.1	16946.6	16851.5	16760.2	16699.3	16748.8	16786.8	16878.1	16668.9	16779.2
45°	17882.6	17734.2	18076.6	17962.5	17817.9	17692.4	17772.3	17829.3	17962.5	17711.4	17840.7
47.5°	19062.1	18894.7	19259.9	19225.7	18989.8	18715.9	18898.5	19062.1	19161.0	18856.6	18959.4
50°	20214.9	20085.6	20565.0	20606.8	20317.7	19933.4	20188.3	20435.6	20462.3	20062.8	20112.2
52.5°	21295.5	21166.1	21862.4	22125.0	21866.2	21409.7	21679.8	21930.9	21729.3	21211.8	21227.0
55°	22159.2	22052.7	22939.2	23616.4	23704.0	23327.3	23487.1	23479.5	22817.4	22022.2	22048.9
57.5°	22368.5	22353.2	23471.9	24906.3	25819.4	25865.1	25549.3	24742.7	23315.9	22246.7	22178.2
60°	21417.3	21512.4	23049.5	25579.7	28014.8	29026.9	27661.0	25359.0	22748.9	21265.1	21090.1
62.5°	18571.3	18822.4	20675.3	24757.9	29787.8	32664.3	29354.1	24423.1	20420.4	18483.8	18369.6
65°	13309.2	13746.8	15793.8	21128.1	29628.0	35860.3	29110.6	20956.9	15946.0	13712.5	13548.9
67.5°	6038.2	6483.4	8222.2	14465.9	25754.7	34992.8	25693.9	14618.1	8633.1	6506.2	6411.1
70°	2187.8	2263.9	2823.2	5790.9	16459.6	27881.6	17163.5	5832.8	3002.0	2412.2	2381.8
72.5°	1324.1	1335.5	1453.4	2073.6	5718.6	16927.6	5962.1	2142.1	1483.9	1316.5	1339.3
75°	840.9	833.3	1034.9	1267.0	2028.0	5711.0	2126.9	1267.0	1031.1	939.8	947.4
77.5°	605.0	624.0	741.9	947.4	1278.4	1936.6	1255.6	905.5	741.9	608.8	620.2
80°	452.8	464.2	540.3	738.1	897.9	1206.1	799.0	669.6	559.3	380.5	391.9
82.5°	327.2	327.2	353.8	536.5	547.9	650.6	433.7	471.8	369.1	270.1	270.1
85°	194.0	190.2	220.7	319.6	285.4	239.7	197.9	289.2	232.1	167.4	163.6
87.5°	68.5	72.3	68.5	91.3	76.1	64.7	60.9	79.9	64.7	57.1	53.3
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)