

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: P944852

Luminaire Tested: **GALN-SB1A-727-U-5NQ**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P944852
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-SB1A-727-U-5NQ
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(1) 70 CRI, 2700K, 350mA LIGHTSQUARE WITH 26 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4361 lumens
Efficiency: N/A
Efficacy: 141.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 30.9
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

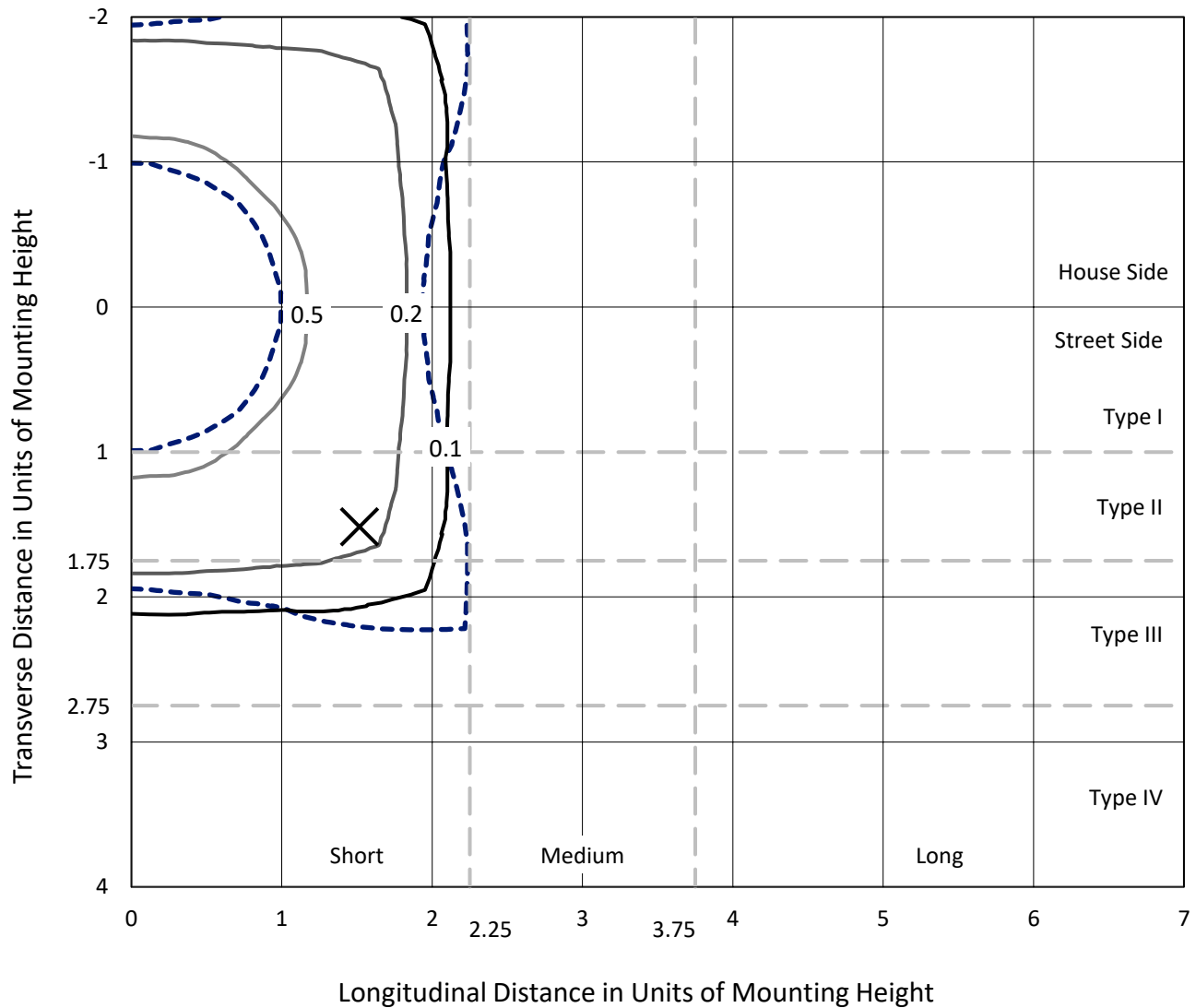


REPORT NUMBER: P944852

CATALOG NUMBER: GALN-SB1A-727-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd

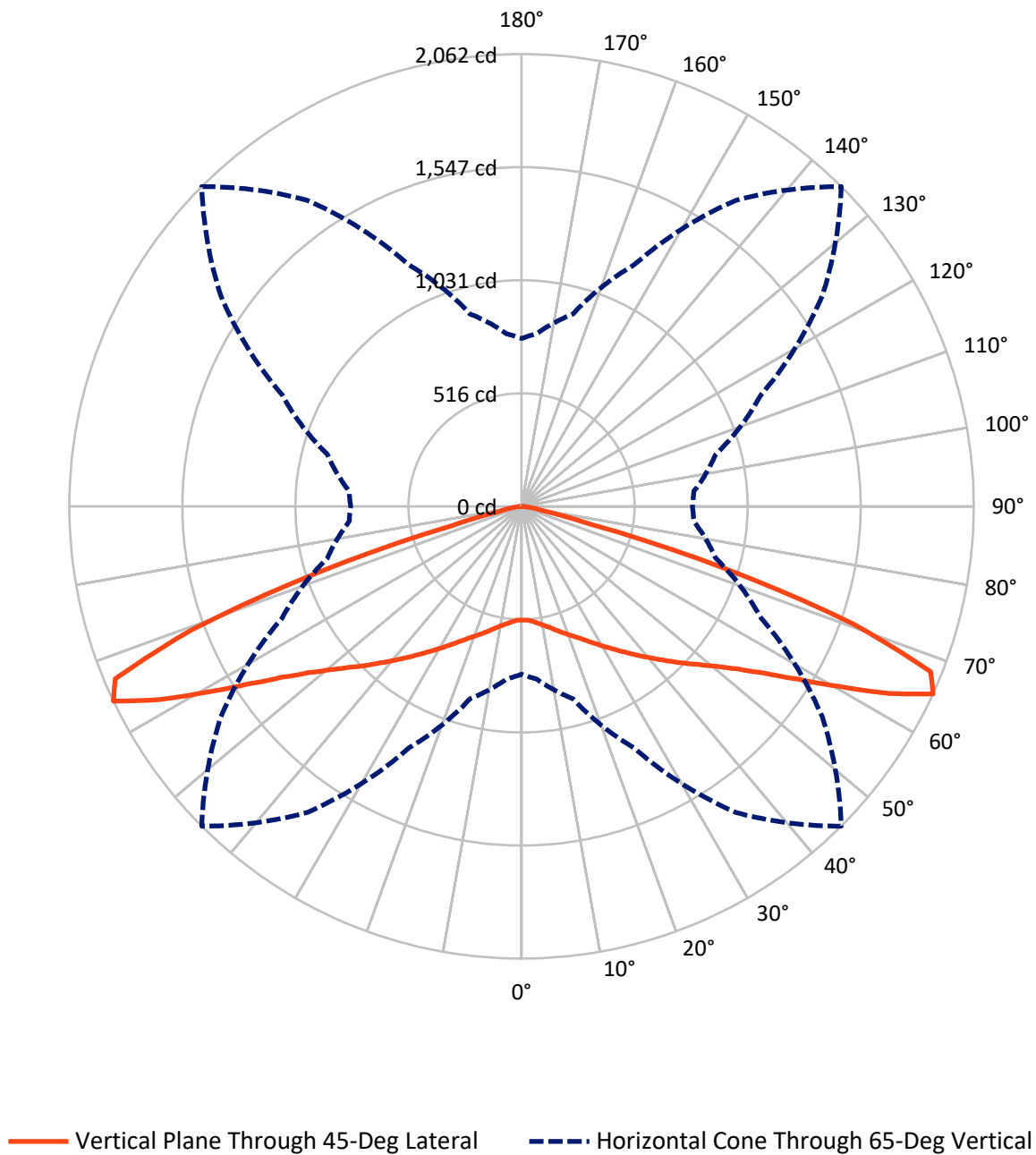


Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
Type V - Short - N/A

REPORT NUMBER: P944852

CATALOG NUMBER: GALN-SB1A-727-U-5NQ

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2180.5	0.0	2180.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2180.5	0.0	2180.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4361.0	0.0	4361.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.2
10°-20°	167.1	3.8
20°-30°	315.6	7.2
30°-40°	516.7	11.8
40°-50°	801.2	18.4
50°-60°	1183.5	27.1
60°-70°	1126.6	25.8
70°-80°	181.8	4.2
80°-90°	17.1	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°	4361.0	100.0
0°-180°	4361.0	100.0

Coefficient of Utilization



REPORT NUMBER: P944852

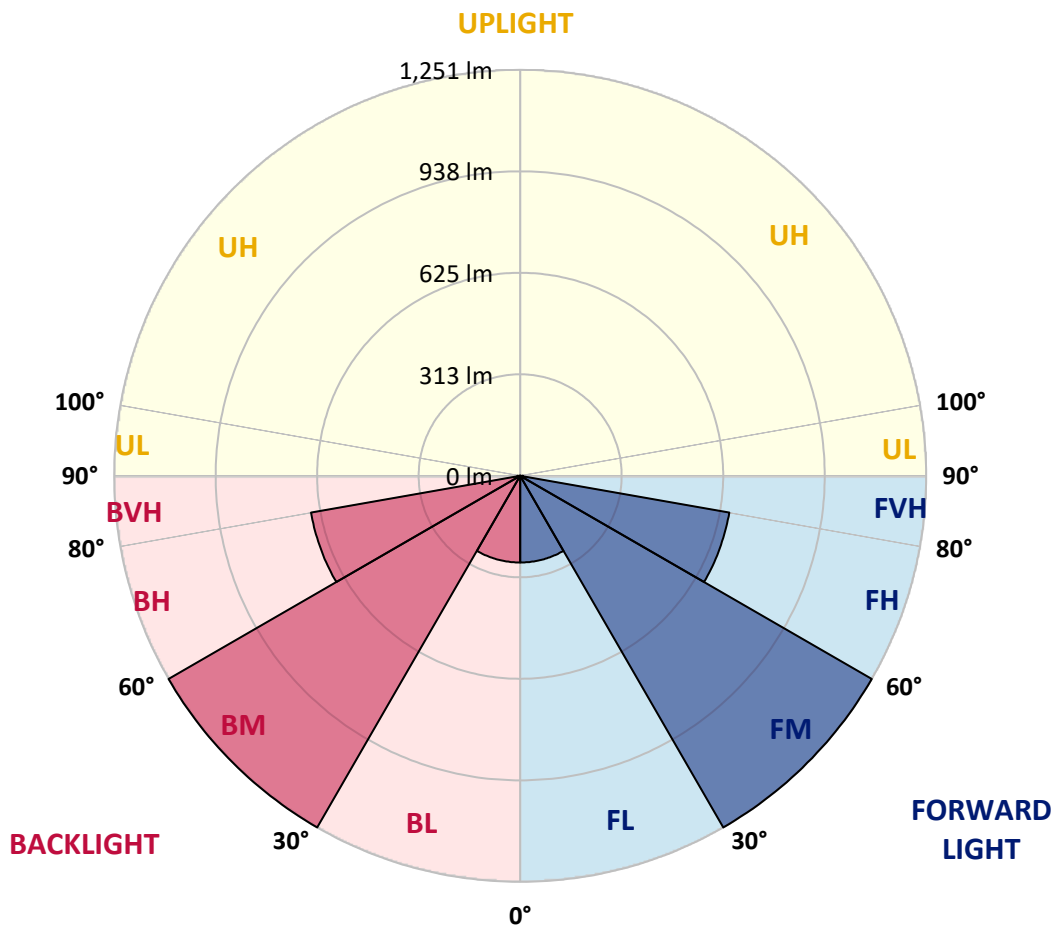
CATALOG NUMBER: GALN-SB1A-727-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	267.0	6.1			
FM	(30°-60°)	1250.7	28.7			
FH	(60°-80°)	654.2	15.0			G0/660
FVH	(80°-90°)	8.6	0.2			G0/10
BL	(0°-30°)	267.0	6.1	B1/500		
BM	(30°-60°)	1250.7	28.7	B2/2500		
BH	(60°-80°)	654.2	15.0	B2/1000		G0/660
BVH	(80°-90°)	8.6	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short



REPORT NUMBER: P944852

CATALOG NUMBER: GALN-SB1A-727-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0	519.0
2.5°	522.5	520.8	522.1	521.0	520.1	519.2	519.7	521.2	521.8	522.1	522.1
5°	529.5	528.0	528.6	528.6	527.1	526.7	526.9	528.0	529.3	529.3	529.3
7.5°	540.9	539.4	540.9	540.0	538.7	538.3	538.0	538.9	540.9	540.9	540.2
10°	554.7	552.9	553.8	553.4	551.8	551.2	550.9	552.3	554.0	553.8	553.4
12.5°	569.8	567.8	568.9	567.6	567.1	566.5	566.5	566.3	567.4	566.5	566.9
15°	586.6	585.3	585.7	584.9	585.5	585.1	583.3	582.5	582.9	581.6	581.8
17.5°	606.5	603.5	605.0	604.6	604.6	605.4	602.6	601.5	602.4	601.1	602.1
20°	629.5	626.4	627.1	626.2	625.1	626.0	622.5	623.4	624.0	623.2	625.1
22.5°	654.7	650.7	650.5	650.9	648.5	648.8	646.3	648.5	649.8	647.4	649.8
25°	680.5	676.3	679.2	678.1	675.0	675.7	673.9	676.1	677.2	674.1	677.6
27.5°	707.8	705.0	707.6	708.3	704.5	707.2	704.5	706.5	707.6	703.0	706.5
30°	739.8	736.9	739.3	741.1	736.7	740.9	738.7	740.0	740.2	734.7	738.0
32.5°	774.6	770.2	776.3	777.2	772.4	777.4	774.6	776.3	777.4	770.0	775.0
35°	817.0	811.5	818.5	817.5	813.3	817.5	814.8	817.5	820.1	811.1	816.6
37.5°	862.7	857.1	864.5	862.5	858.6	861.4	859.9	861.6	865.8	856.2	862.1
40°	913.1	906.1	916.1	912.6	908.9	908.5	909.3	910.4	915.9	905.2	908.7
42.5°	966.9	959.5	974.6	969.1	963.8	960.3	963.2	965.4	970.6	958.6	964.9
45°	1028.4	1019.8	1039.5	1033.0	1024.7	1017.4	1022.0	1025.3	1033.0	1018.5	1026.0
47.5°	1096.2	1086.6	1107.6	1105.6	1092.0	1076.3	1086.8	1096.2	1101.9	1084.4	1090.3
50°	1162.5	1155.1	1182.6	1185.0	1168.4	1146.3	1161.0	1175.2	1176.7	1153.8	1156.6
52.5°	1224.6	1217.2	1257.2	1272.3	1257.5	1231.2	1246.7	1261.2	1249.6	1219.8	1220.7
55°	1274.3	1268.2	1319.2	1358.1	1363.1	1341.5	1350.7	1350.2	1312.2	1266.4	1268.0
57.5°	1286.3	1285.5	1349.8	1432.3	1484.8	1487.4	1469.3	1422.9	1340.8	1279.3	1275.4
60°	1231.6	1237.1	1325.5	1471.0	1611.1	1669.3	1590.7	1458.3	1308.2	1222.9	1212.8
62.5°	1068.0	1082.4	1189.0	1423.8	1713.0	1878.4	1688.1	1404.5	1174.3	1062.9	1056.4
65°	765.4	790.5	908.3	1215.0	1703.8	2062.2	1674.1	1205.2	917.0	788.6	779.2
67.5°	347.2	372.8	472.8	831.9	1481.1	2012.3	1477.6	840.6	496.5	374.2	368.7
70°	125.8	130.2	162.4	333.0	946.5	1603.4	987.0	335.4	172.6	138.7	137.0
72.5°	76.1	76.8	83.6	119.2	328.9	973.5	342.9	123.2	85.3	75.7	77.0
75°	48.4	47.9	59.5	72.9	116.6	328.4	122.3	72.9	59.3	54.0	54.5
77.5°	34.8	35.9	42.7	54.5	73.5	111.4	72.2	52.1	42.7	35.0	35.7
80°	26.0	26.7	31.1	42.4	51.6	69.4	45.9	38.5	32.2	21.9	22.5
82.5°	18.8	18.8	20.3	30.9	31.5	37.4	24.9	27.1	21.2	15.5	15.5
85°	11.2	10.9	12.7	18.4	16.4	13.8	11.4	16.6	13.3	9.6	9.4
87.5°	3.9	4.2	3.9	5.3	4.4	3.7	3.5	4.6	3.7	3.3	3.1
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)