

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: P526273

Luminaire Tested: **GALN-SA1B-727-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526273
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-727-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3308 lumens
Efficiency: N/A
Efficacy: 75.2 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

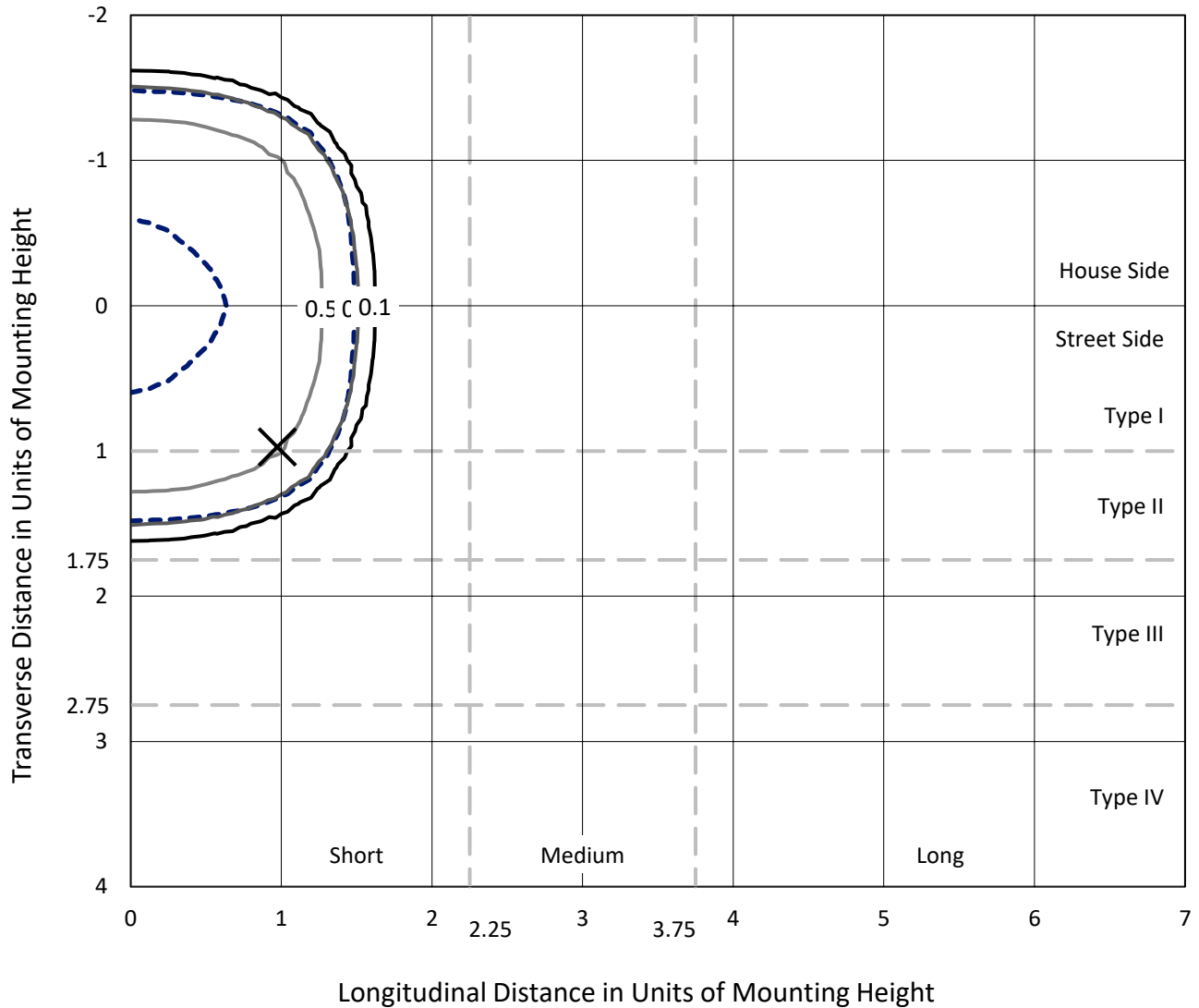
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

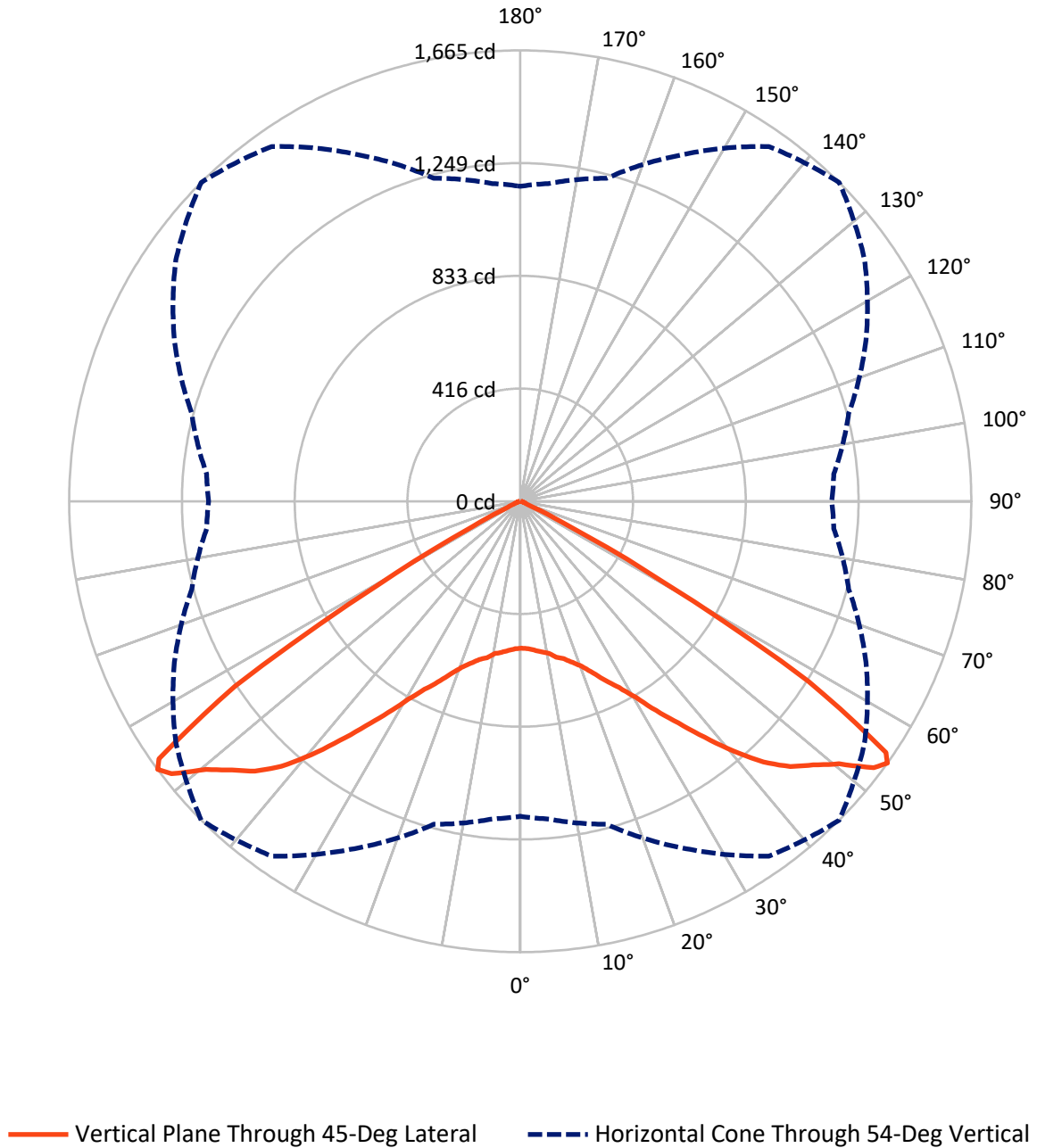
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1654.0	0.0	1654.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1654.0	0.0	1654.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3308.0	0.0	3308.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	53.1	1.6
10°-20°	171.9	5.2
20°-30°	337.0	10.2
30°-40°	605.9	18.3
40°-50°	1037.2	31.4
50°-60°	1003.6	30.3
60°-70°	85.9	2.6
70°-80°	10.2	0.3
80°-90°	3.2	0.1
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°	3308.0	100.0
0°-180°	3308.0	100.0

Coefficient of Utilization



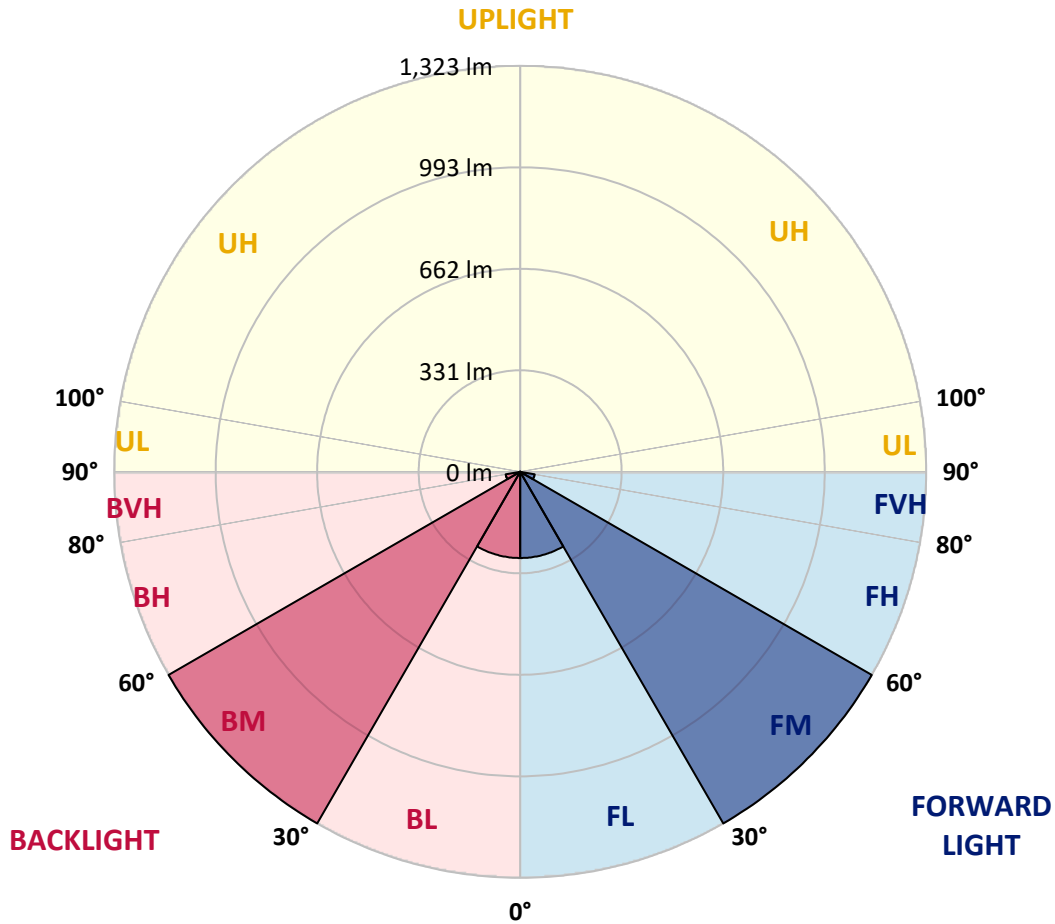
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	281.0	8.5			
FM (30°-60°)	1323.4	40.0			
FH (60°-80°)	48.0	1.5			G0/660
FVH (80°-90°)	1.6	0.0			G0/10
BL (0°-30°)	281.0	8.5	B1/500		
BM (30°-60°)	1323.4	40.0	B2/2500		
BH (60°-80°)	48.0	1.5	B0/110		G0/660
BVH (80°-90°)	1.6	0.0			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4	542.4
2.5°	545.0	548.2	546.1	547.6	547.6	545.0	546.6	540.3	544.5	541.4	541.9
5°	553.4	552.9	552.9	553.4	551.3	552.4	550.3	548.2	546.6	544.5	550.8
7.5°	563.9	563.9	560.2	561.3	560.2	561.8	557.6	553.4	551.8	550.3	549.2
10°	573.9	572.8	571.2	575.9	572.3	570.2	568.1	565.5	559.7	557.6	555.5
12.5°	588.5	588.0	585.9	590.6	588.5	590.6	582.8	575.9	574.9	568.1	571.8
15°	605.8	610.5	606.9	606.9	605.8	603.2	600.1	596.9	587.5	584.9	585.4
17.5°	628.4	626.8	627.3	627.3	632.5	625.7	619.4	611.6	606.9	605.3	600.1
20°	649.8	651.9	651.4	655.1	658.2	650.9	644.1	643.0	629.9	632.0	624.7
22.5°	687.6	686.0	688.6	691.2	689.1	688.1	681.8	673.9	662.4	657.2	656.1
25°	727.4	724.8	720.1	726.4	729.5	734.2	722.2	718.0	700.2	692.3	692.8
27.5°	761.5	765.1	770.4	773.0	780.9	779.3	770.9	757.3	743.7	734.7	729.0
30°	808.1	810.2	819.1	822.8	836.4	840.1	827.0	811.3	787.1	775.6	768.8
32.5°	851.1	865.8	865.2	883.6	905.6	920.8	897.2	873.1	849.0	835.4	823.3
35°	920.8	918.2	933.4	952.8	988.4	1005.7	980.0	952.2	915.5	893.5	884.1
37.5°	985.8	986.8	1007.3	1038.2	1079.1	1105.8	1083.2	1037.7	999.9	971.6	958.5
40°	1080.1	1082.2	1103.2	1138.3	1184.4	1213.2	1187.0	1140.9	1090.6	1068.6	1068.6
42.5°	1190.7	1199.6	1213.2	1243.6	1285.0	1317.0	1293.4	1257.2	1206.4	1178.1	1182.3
45°	1304.4	1308.6	1317.5	1362.6	1382.0	1397.7	1375.7	1358.9	1324.8	1290.3	1284.5
47.5°	1410.8	1412.4	1438.6	1452.7	1467.9	1454.8	1469.0	1446.9	1408.7	1375.2	1368.3
50°	1458.0	1455.3	1492.5	1535.5	1547.0	1524.0	1511.9	1497.3	1439.1	1398.7	1380.9
52.5°	1320.6	1335.8	1405.0	1524.5	1614.6	1634.0	1563.8	1496.2	1387.7	1309.1	1297.1
54°	1163.4	1177.6	1234.7	1411.8	1599.5	1665.0	1551.8	1408.2	1255.1	1161.9	1149.8
55°	1007.8	992.1	1095.8	1276.6	1528.2	1637.7	1504.1	1294.4	1119.4	1034.0	1017.2
57.5°	545.6	548.2	635.7	806.5	1073.8	1255.7	1108.9	875.7	661.4	565.5	557.1
60°	172.9	177.1	215.4	326.0	513.1	612.6	525.1	351.6	243.2	195.0	187.1
62.5°	54.0	56.1	61.3	91.2	140.4	200.7	157.2	94.3	70.2	64.5	65.5
65°	33.0	33.0	33.5	35.6	41.9	48.7	47.2	41.4	39.8	38.8	38.3
67.5°	21.5	21.0	22.0	23.6	24.6	25.2	26.7	28.3	27.8	26.7	26.7
70°	13.1	12.6	13.6	15.7	16.2	17.3	18.9	21.0	20.4	19.4	19.9
72.5°	7.3	7.3	7.9	9.4	11.0	12.1	13.6	15.2	15.7	15.2	15.2
75°	2.6	3.1	4.2	5.8	6.8	8.4	10.0	11.5	13.1	12.1	11.5
77.5°	1.0	1.0	2.1	3.7	5.2	6.8	9.4	11.0	12.1	11.0	10.0
80°	0.5	0.5	1.6	3.1	4.7	6.3	7.9	9.4	10.0	8.9	7.9
82.5°	0.5	0.5	1.6	3.1	4.7	5.8	8.4	9.4	10.5	9.4	7.9
85°	0.0	0.5	1.6	3.1	4.2	4.7	4.7	3.1	2.6	1.6	1.6
87.5°	0.0	0.0	0.5	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)