

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: P526609

Luminaire Tested: **GALN-SA1C-750-U-5MQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526609
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-3)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-750-U-5MQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4269 lumens
Efficiency: N/A
Efficacy: 74.9 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

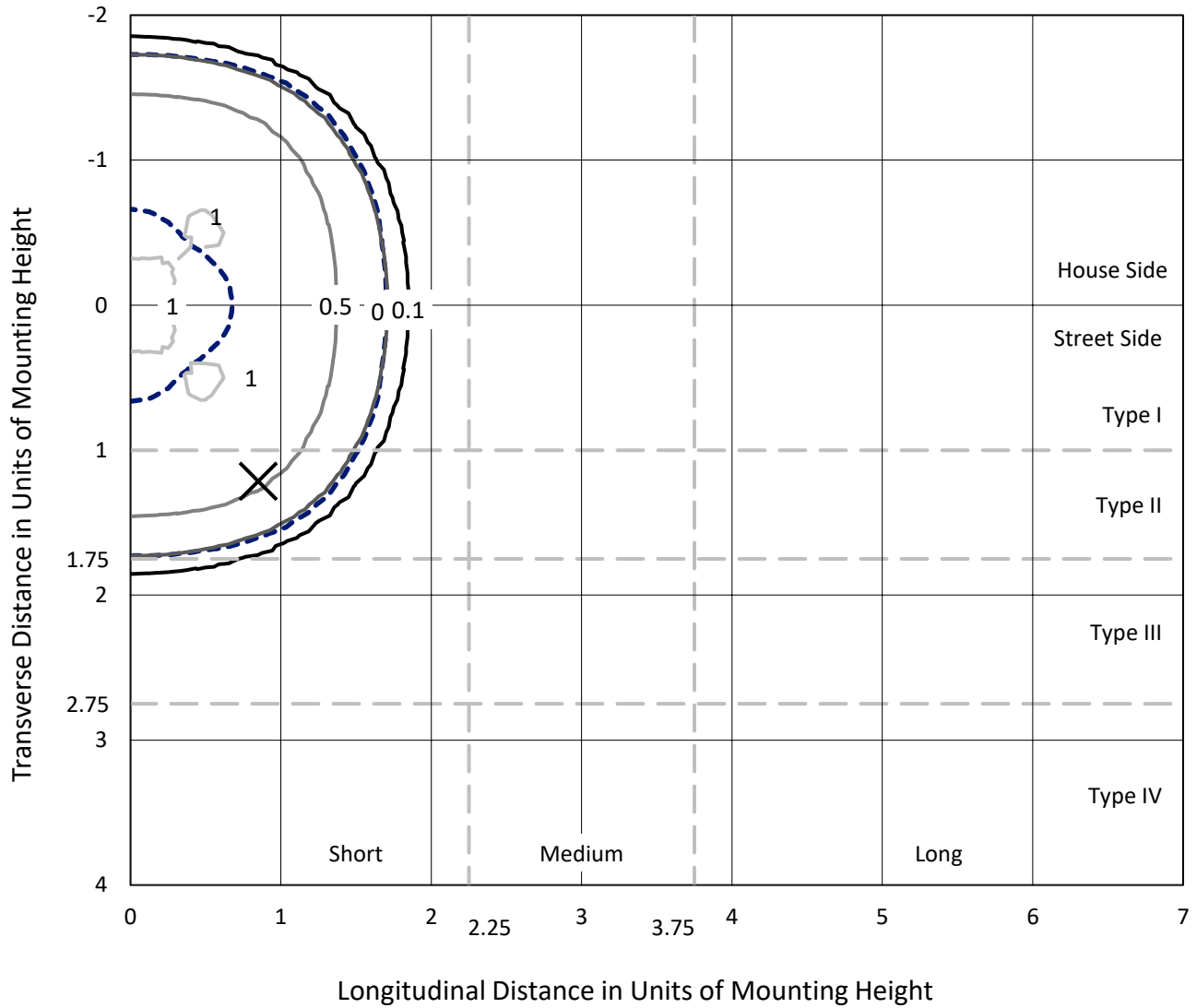
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

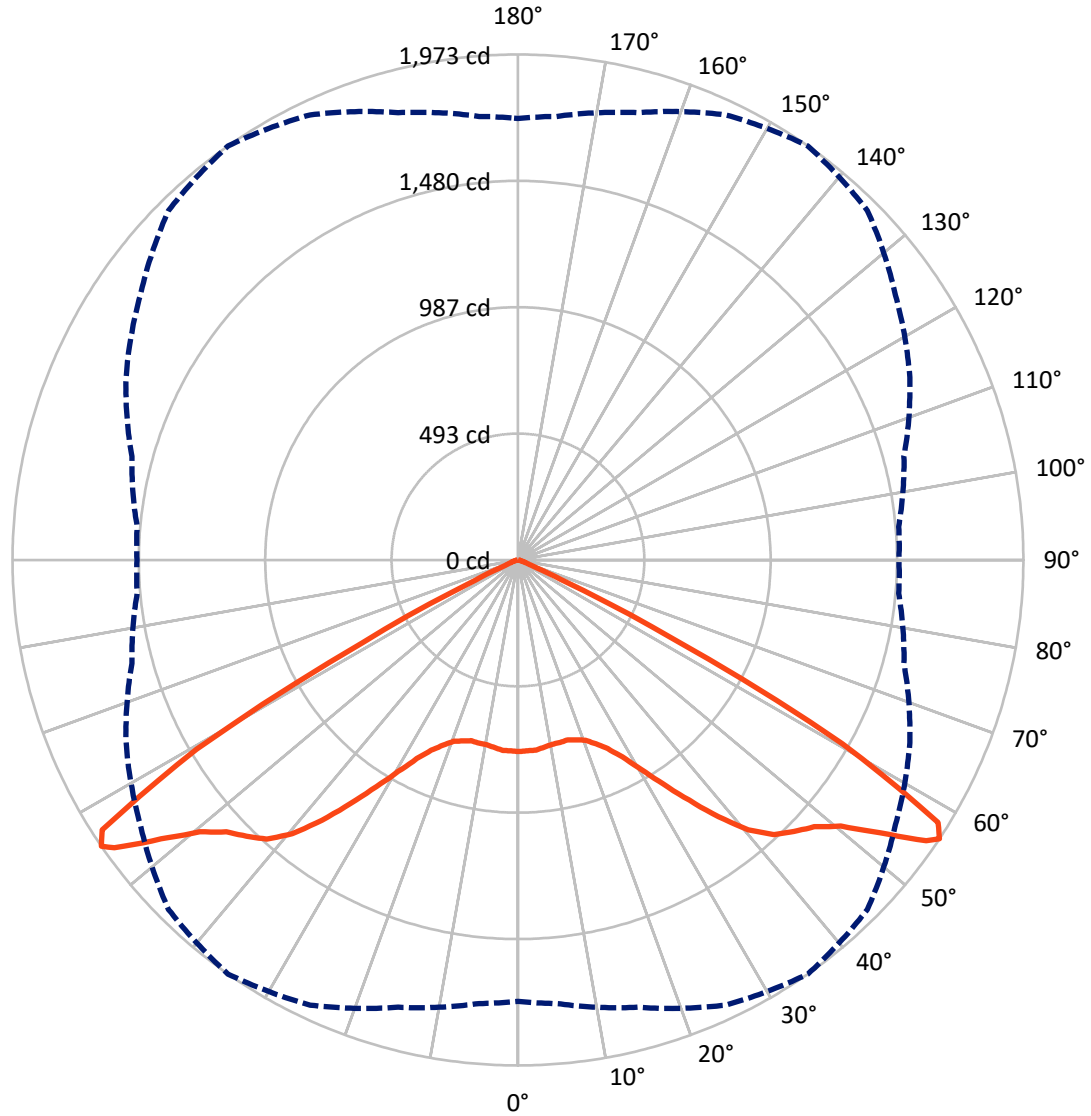
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2134.5	0.0	2134.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2134.5	0.0	2134.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4269.0	0.0	4269.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	70.3	1.6
10°-20°	205.2	4.8
20°-30°	371.7	8.7
30°-40°	689.2	16.1
40°-50°	1131.3	26.5
50°-60°	1457.5	34.1
60°-70°	321.2	7.5
70°-80°	18.6	0.4
80°-90°	3.9	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°	4269.0	100.0
0°-180°	4269.0	100.0

Coefficient of Utilization

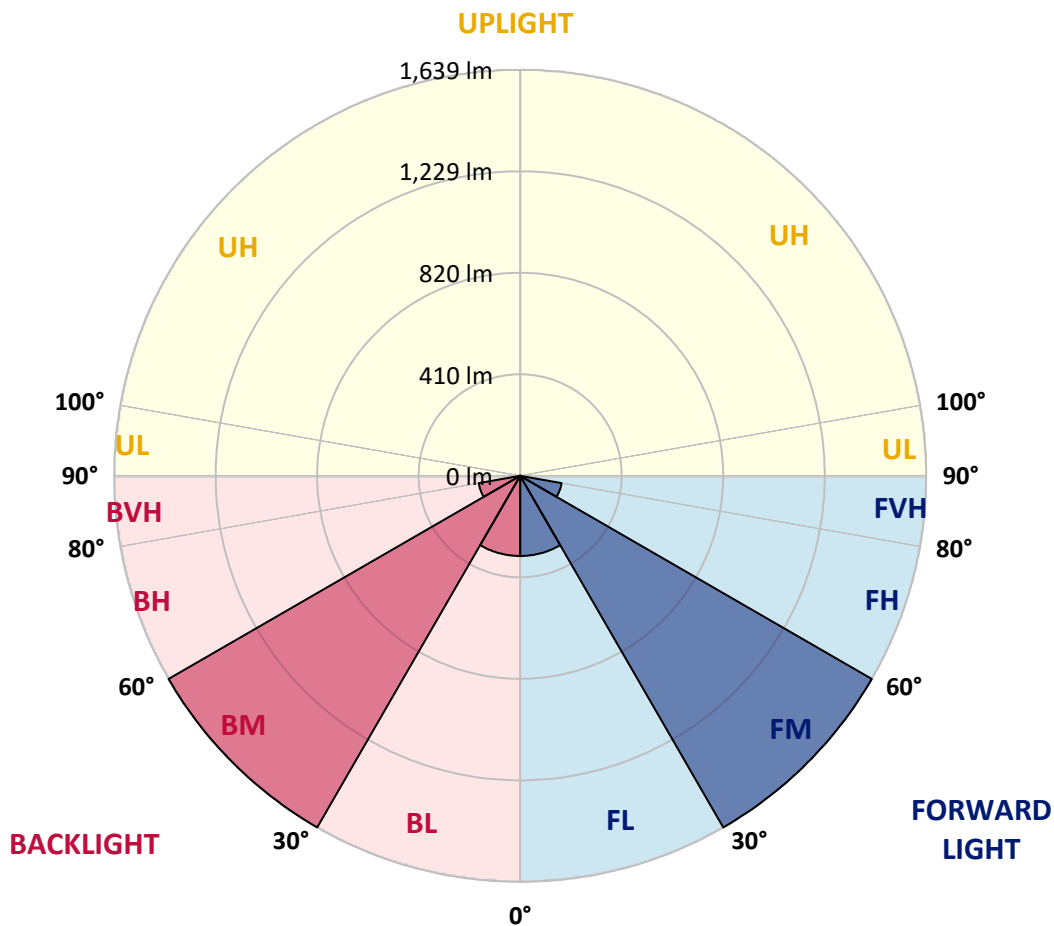


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	323.6	7.6			
FM (30°-60°)	1639.0	38.4			
FH (60°-80°)	169.9	4.0			G0/660
FVH (80°-90°)	2.0	0.0			G0/10
BL (0°-30°)	323.6	7.6	B1/500		
BM (30°-60°)	1639.0	38.4	B2/2500		
BH (60°-80°)	169.9	4.0	B1/500		G0/660
BVH (80°-90°)	2.0	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°	748.0	748.0	748.0	748.0	748.0	748.0	748.0	748.0	748.0	748.0	748.0
2.5°	749.6	749.6	750.3	751.1	745.7	743.4	744.2	742.6	741.8	744.2	744.2
5°	747.2	747.2	744.9	745.7	745.7	738.7	738.7	740.3	740.3	735.6	734.1
7.5°	741.1	739.5	736.4	740.3	738.0	738.0	732.5	728.7	727.1	730.2	727.1
10°	727.9	728.7	731.8	733.3	731.8	736.4	727.1	721.7	716.3	714.0	714.0
12.5°	721.7	726.4	721.7	725.6	731.0	727.1	721.7	717.9	710.1	707.0	707.0
15°	720.9	724.0	725.6	731.0	728.7	730.2	719.4	714.8	703.2	697.7	695.4
17.5°	720.2	724.0	726.4	736.4	738.0	738.7	730.2	716.3	706.2	700.8	695.4
20°	728.7	730.2	734.9	744.9	751.1	761.9	746.5	731.8	710.1	703.9	701.6
22.5°	739.5	747.2	751.9	762.7	779.0	788.2	768.1	749.6	727.1	719.4	710.1
25°	774.3	772.8	780.5	802.9	816.1	823.1	806.8	779.7	750.3	741.1	742.6
27.5°	817.6	819.2	826.1	850.9	870.2	881.1	861.7	826.1	797.5	782.1	780.5
30°	874.1	872.6	880.3	913.6	948.4	964.6	930.6	888.8	861.0	840.8	845.5
32.5°	933.7	934.4	956.1	986.3	1042.7	1074.5	1019.5	968.5	926.7	912.8	905.8
35°	1021.9	1025.7	1042.7	1089.2	1151.8	1192.8	1132.5	1071.4	1023.4	997.9	1001.0
37.5°	1130.9	1127.1	1155.7	1206.0	1271.7	1301.9	1250.8	1181.2	1132.5	1115.5	1126.3
40°	1247.0	1250.8	1265.5	1311.2	1384.7	1404.8	1329.0	1291.1	1248.5	1240.0	1253.1
42.5°	1363.0	1360.7	1371.5	1412.5	1465.9	1451.9	1407.1	1384.7	1354.5	1337.5	1355.3
45°	1448.1	1444.2	1464.3	1492.2	1511.5	1485.2	1465.1	1457.4	1441.9	1423.3	1439.6
47.5°	1530.9	1527.8	1547.1	1554.8	1556.4	1521.6	1525.4	1539.4	1500.7	1462.0	1480.6
50°	1601.2	1595.8	1619.8	1636.8	1633.0	1577.3	1591.2	1577.3	1516.9	1471.3	1464.3
52.5°	1718.8	1721.1	1746.7	1777.6	1768.3	1721.9	1701.8	1638.4	1561.0	1520.0	1496.0
55°	1793.1	1781.5	1825.6	1923.8	1934.6	1886.7	1797.7	1704.1	1588.1	1537.8	1531.6
56°	1723.5	1738.2	1807.8	1917.6	1973.3	1929.2	1800.0	1687.9	1560.2	1492.2	1487.5
57.5°	1546.3	1538.6	1633.0	1783.0	1934.6	1916.1	1736.6	1571.8	1423.3	1346.7	1337.5
60°	962.3	984.7	1067.5	1253.1	1455.8	1465.1	1287.2	1145.6	972.3	904.3	920.5
62.5°	376.7	357.4	409.2	547.7	686.9	717.9	650.6	540.7	444.0	376.7	372.1
65°	87.4	85.1	95.9	132.3	184.9	214.3	203.4	146.2	107.5	102.1	94.4
67.5°	49.5	49.5	47.2	47.2	51.8	54.9	52.6	51.8	54.1	56.5	55.7
70°	34.8	34.0	32.5	33.3	31.7	31.7	34.0	37.9	41.0	41.0	41.8
72.5°	20.9	20.9	20.9	23.2	23.2	23.2	25.5	28.6	29.4	28.6	27.8
75°	9.3	9.3	10.8	13.2	14.7	15.5	17.8	19.3	20.9	19.3	17.8
77.5°	2.3	2.3	3.9	5.4	7.0	8.5	11.6	13.9	14.7	13.9	11.6
80°	0.8	0.8	1.5	3.9	7.0	8.5	11.6	12.4	13.2	11.6	9.3
82.5°	0.8	0.8	1.5	3.9	5.4	7.0	9.3	10.8	11.6	10.1	9.3
85°	0.0	0.8	1.5	3.1	4.6	6.2	6.2	4.6	3.9	2.3	3.1
87.5°	0.0	0.0	0.8	0.8	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)