

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: P526539

Luminaire Tested: **GALN-SA1C-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526539
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1C-730-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4187 lumens
Efficiency: N/A
Efficacy: 73.5 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

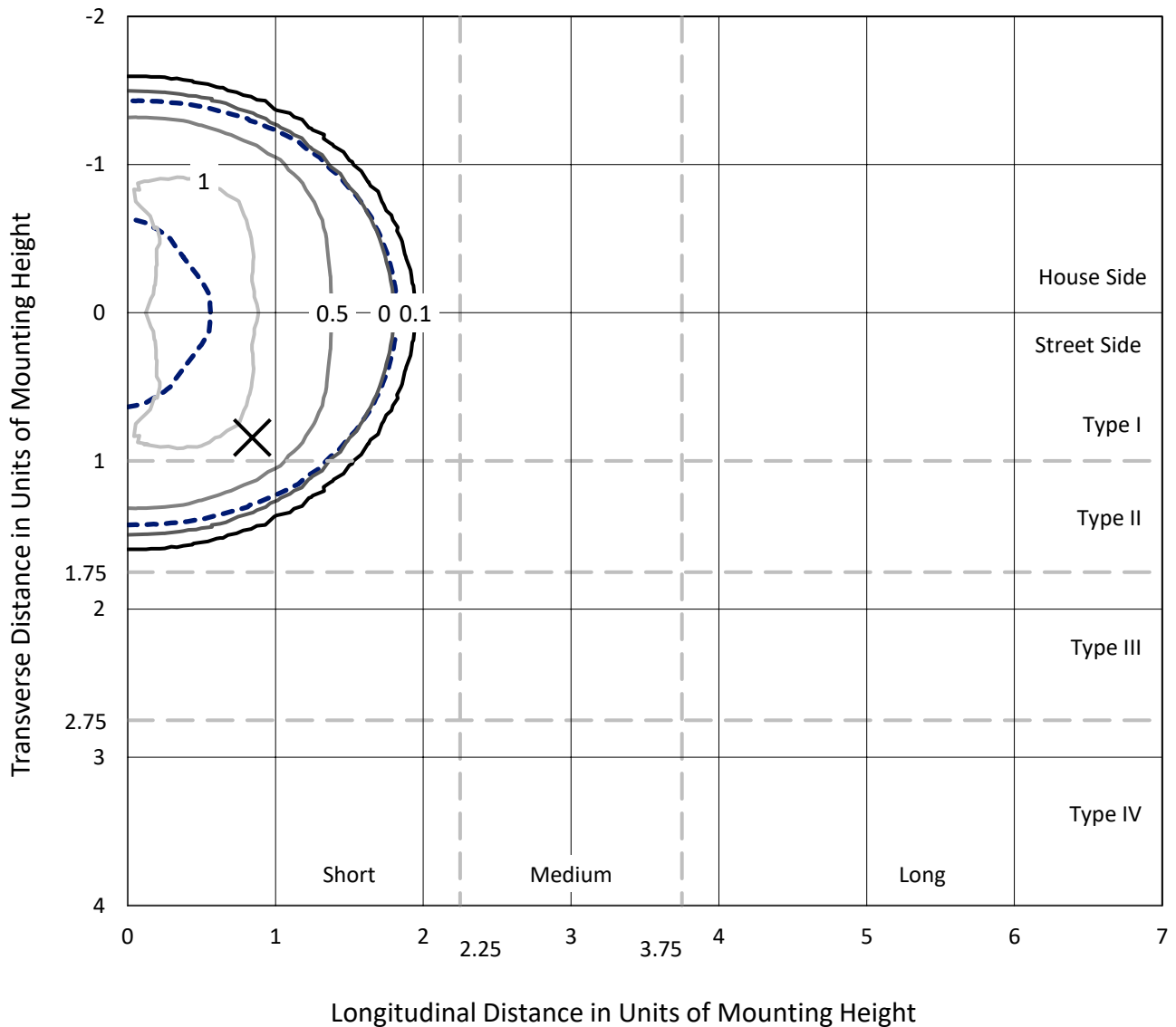
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

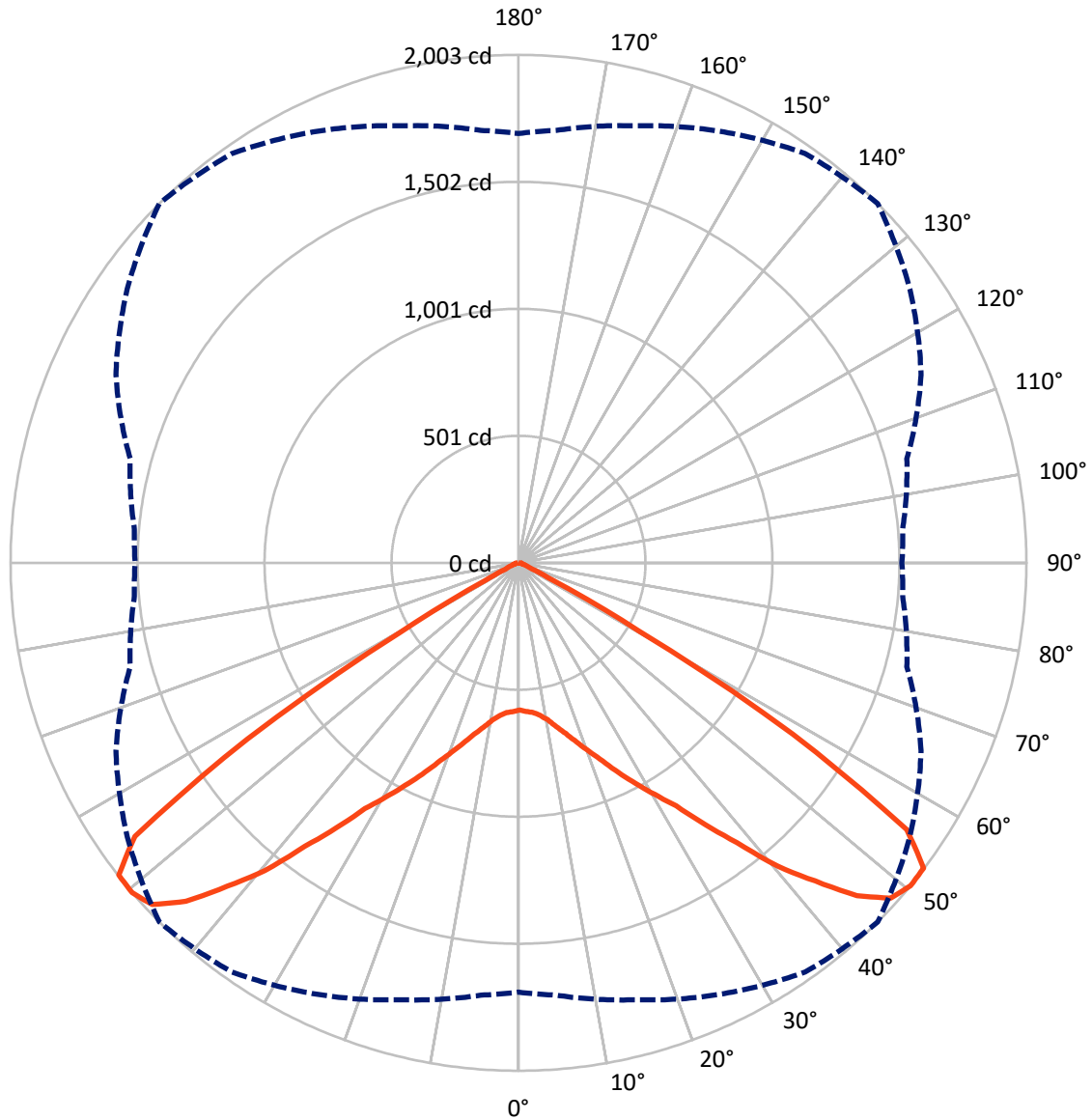
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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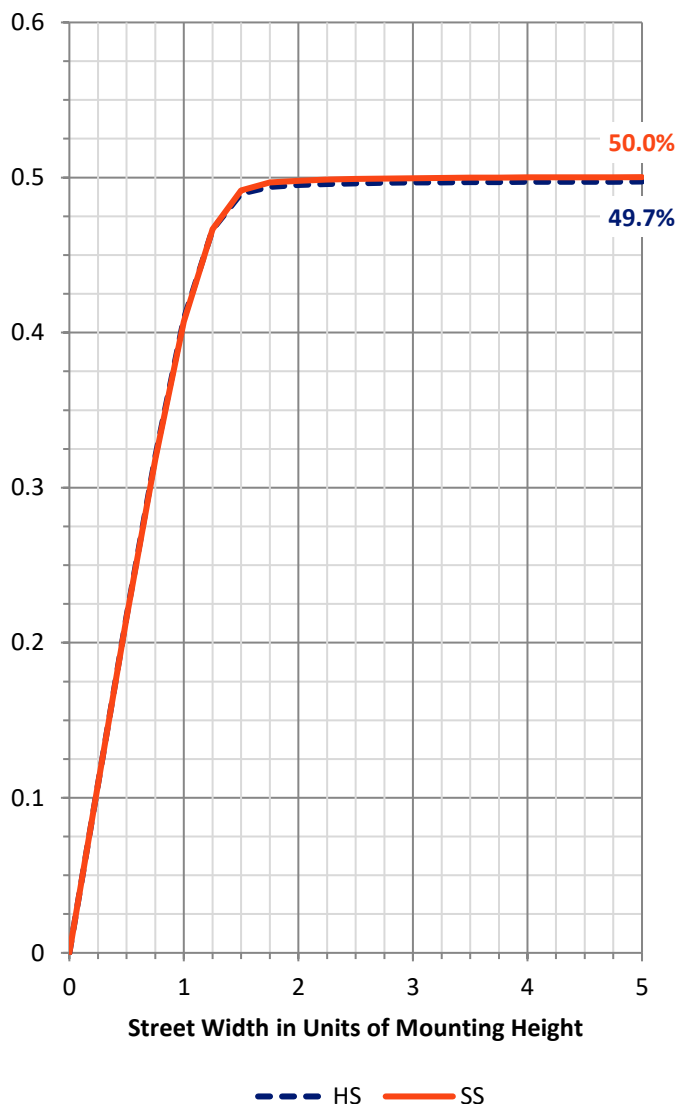
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2093.5	0.0	2093.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2093.5	0.0	2093.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4187.0	0.0	4187.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.7	1.4
10°-20°	199.0	4.8
20°-30°	406.5	9.7
30°-40°	775.2	18.5
40°-50°	1306.4	31.2
50°-60°	1245.8	29.8
60°-70°	173.9	4.2
70°-80°	16.6	0.4
80°-90°	5.7	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°	4187.0	100.0
0°-180°	4187.0	100.0

Coefficient of Utilization



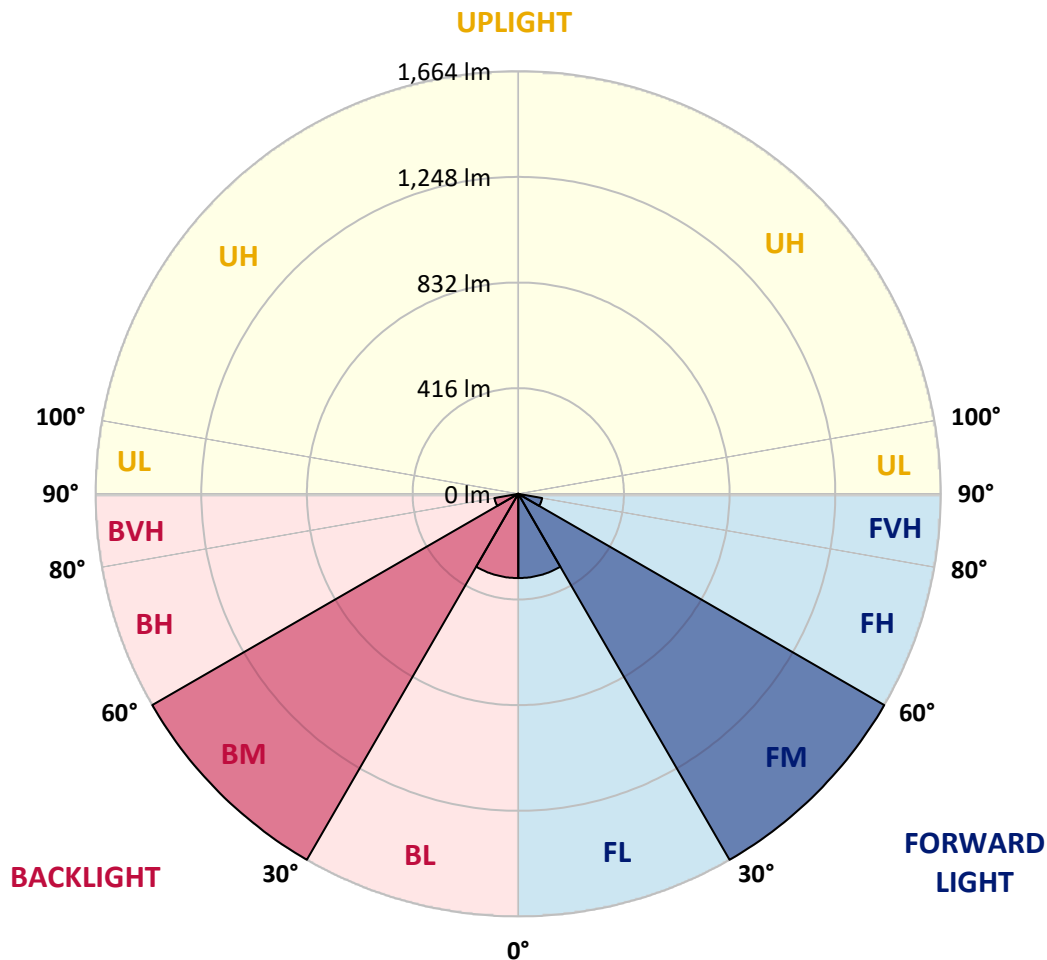
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	331.6	7.9			
FM (30°-60°)	1663.7	39.7			
FH (60°-80°)	95.3	2.3			G0/660
FVH (80°-90°)	2.9	0.1			G0/10
BL (0°-30°)	331.6	7.9	B1/500		
BM (30°-60°)	1663.7	39.7	B2/2500		
BH (60°-80°)	95.3	2.3	B0/110		G0/660
BVH (80°-90°)	2.9	0.1			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°	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5	580.5
2.5°	578.4	578.4	577.7	583.3	580.5	586.8	586.1	588.2	590.3	589.6	595.3
5°	573.4	572.7	572.7	579.1	585.4	592.5	598.8	603.0	610.1	610.1	617.1
7.5°	578.4	574.8	579.8	582.6	594.6	606.5	617.1	625.6	641.8	647.4	645.3
10°	579.8	584.0	587.5	596.0	610.8	629.1	638.2	659.4	677.7	690.4	693.2
12.5°	588.9	595.3	605.1	625.6	639.0	662.9	675.6	696.0	721.4	735.5	745.3
15°	606.5	608.7	621.3	647.4	676.3	698.1	717.9	732.6	757.3	773.5	774.2
17.5°	629.1	638.2	655.9	680.5	710.8	743.2	758.7	774.9	784.1	805.9	810.8
20°	674.2	675.6	692.5	724.9	762.9	792.5	803.8	812.3	808.7	831.3	835.5
22.5°	716.4	717.9	739.0	782.7	823.5	848.9	853.8	848.9	838.3	854.5	855.9
25°	759.4	772.1	787.6	831.3	882.0	915.8	916.5	903.1	881.3	884.1	891.2
27.5°	826.3	835.5	851.7	891.9	947.5	985.6	979.2	963.0	934.8	936.9	934.8
30°	904.5	913.0	926.4	977.8	1018.7	1060.2	1069.4	1053.9	1011.6	1002.5	1013.0
32.5°	998.9	1010.9	1035.6	1082.8	1117.3	1142.6	1149.0	1143.4	1103.9	1100.4	1107.4
35°	1113.8	1130.0	1152.5	1194.1	1222.3	1268.0	1268.0	1249.0	1213.1	1217.3	1216.6
37.5°	1234.9	1258.9	1294.1	1336.4	1374.4	1399.1	1391.3	1375.1	1339.2	1330.0	1339.2
40°	1387.1	1399.1	1443.5	1498.4	1544.9	1573.1	1540.0	1504.7	1418.8	1432.2	1456.8
42.5°	1525.9	1544.9	1578.7	1639.3	1692.1	1715.4	1675.9	1606.2	1502.6	1492.1	1510.4
45°	1644.2	1664.7	1709.0	1795.7	1851.3	1871.8	1784.4	1671.7	1553.4	1526.6	1534.3
47.5°	1723.1	1733.7	1795.7	1878.1	1928.8	1975.3	1849.9	1716.8	1577.3	1526.6	1523.8
50°	1692.8	1711.2	1783.7	1877.4	1969.7	2002.8	1883.0	1751.3	1585.1	1520.2	1511.8
52.5°	1503.3	1535.0	1616.0	1742.1	1881.6	2000.0	1928.8	1740.0	1582.2	1526.6	1539.3
55°	1046.1	1046.8	1145.5	1331.4	1578.0	1857.0	1861.9	1752.7	1600.6	1566.0	1566.7
57.5°	420.6	441.7	517.1	703.8	931.3	1275.1	1516.0	1625.9	1602.7	1594.2	1616.0
60°	106.4	107.1	130.3	198.7	327.6	546.7	793.9	1074.3	1237.0	1292.7	1300.4
62.5°	54.2	54.9	60.6	70.4	89.5	146.5	260.7	413.5	588.2	677.0	700.2
65°	44.4	44.4	47.9	52.8	53.5	56.4	67.6	96.5	140.2	159.2	161.3
67.5°	33.8	33.8	36.6	39.5	40.9	40.2	38.7	40.2	48.6	46.5	45.1
70°	21.1	21.8	23.2	26.1	27.5	28.2	28.9	30.3	34.5	35.9	34.5
72.5°	12.7	12.7	13.4	15.5	17.6	19.0	21.1	22.5	24.7	28.2	27.5
75°	5.6	5.6	7.0	9.2	11.3	13.4	15.5	17.6	19.0	21.1	21.8
77.5°	1.4	2.1	3.5	6.3	8.5	11.3	14.1	16.2	17.6	17.6	16.9
80°	0.7	0.7	2.8	4.9	9.2	12.0	15.5	16.9	19.0	17.6	15.5
82.5°	0.7	0.7	2.8	4.9	8.5	12.0	16.2	18.3	19.7	17.6	14.8
85°	0.0	0.7	2.1	4.2	7.0	8.5	7.0	4.9	2.8	2.8	2.1
87.5°	0.0	0.0	0.7	0.7	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)