

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: P652153

Luminaire Tested: **GALN-SA1B-840-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P652153
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1B-840-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5053.6 lumens
Efficiency: N/A
Efficacy: 114.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

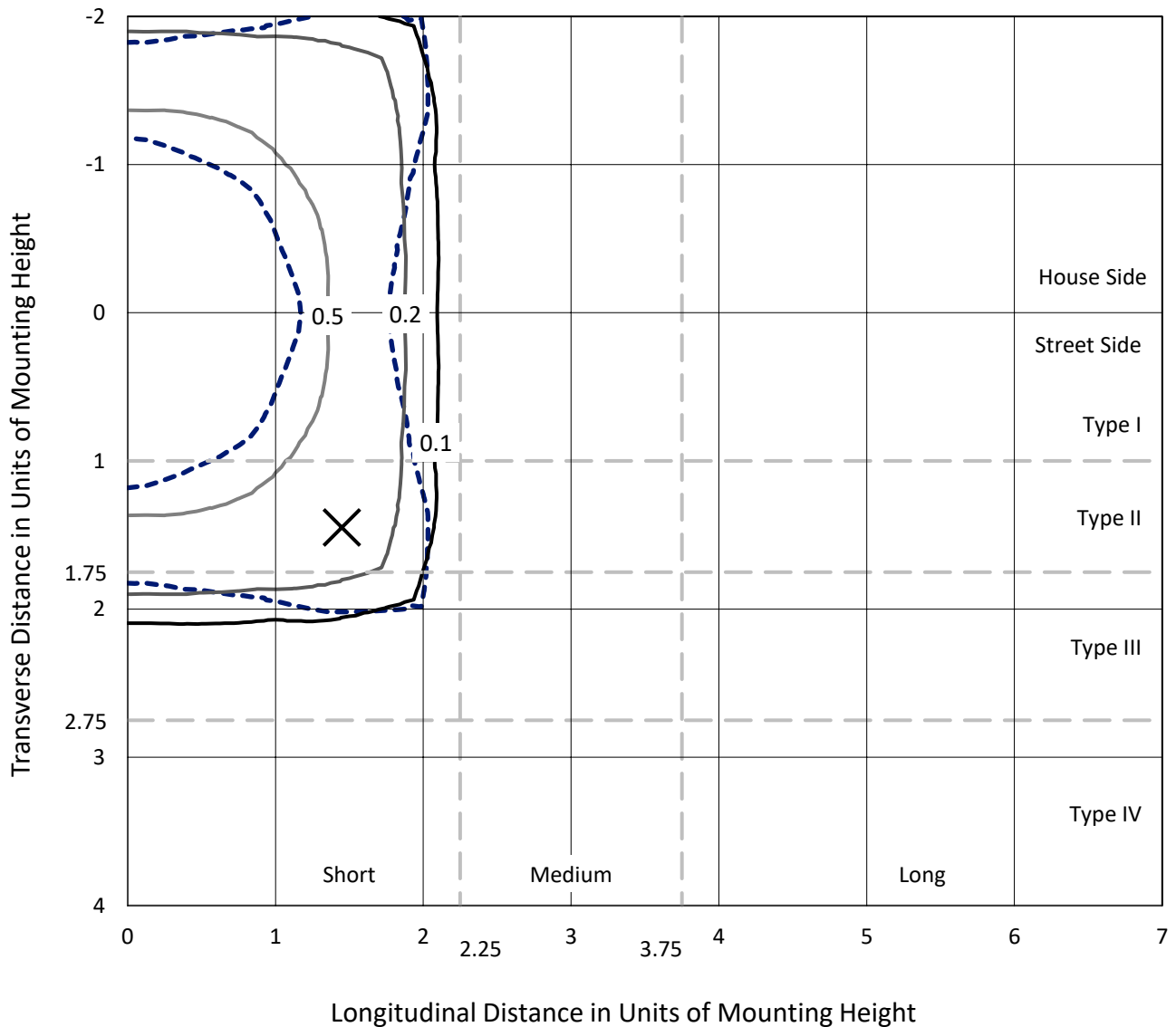
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

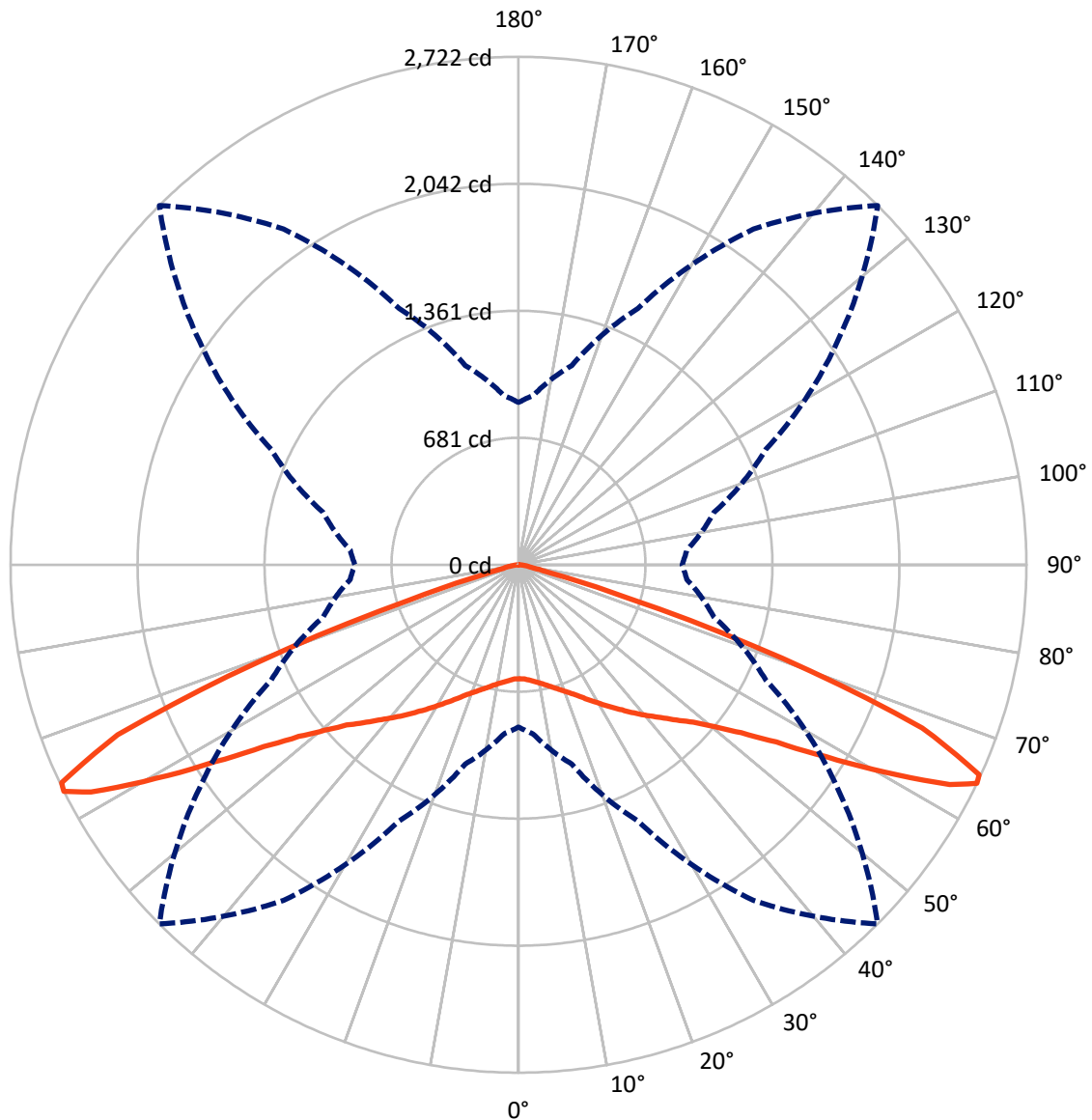
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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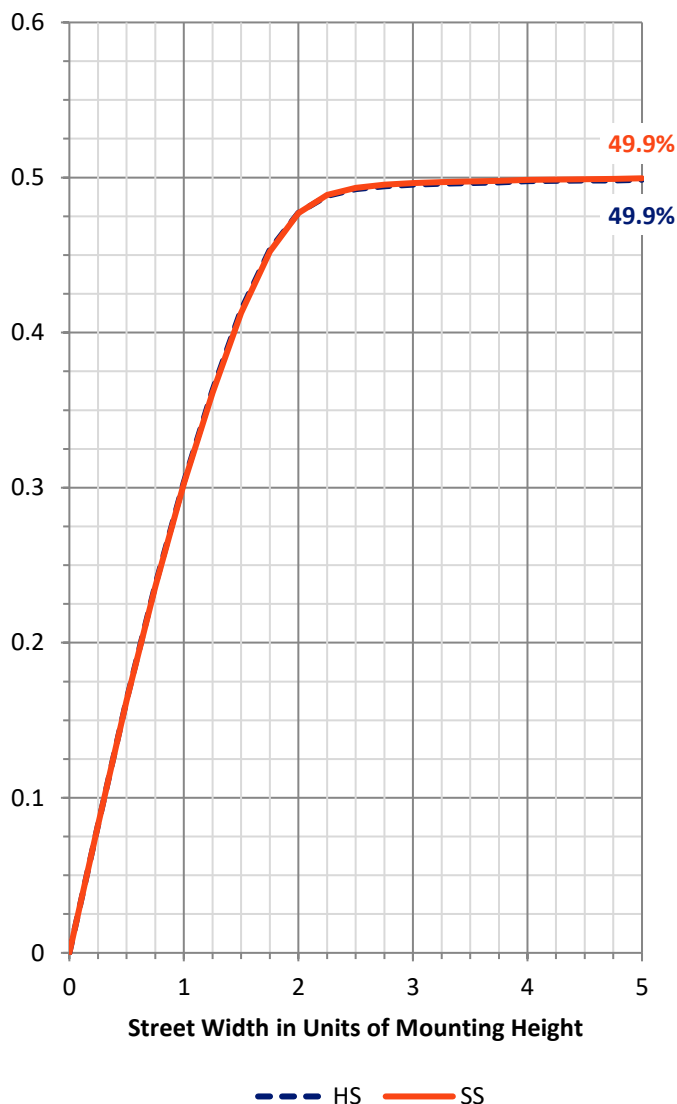
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2526.8	0.0	2526.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2526.8	0.0	2526.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	5053.6	0.0	5053.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	60.0	1.2
10°-20°	193.6	3.8
20°-30°	365.8	7.2
30°-40°	605.8	12.0
40°-50°	945.7	18.7
50°-60°	1462.0	28.9
60°-70°	1260.7	24.9
70°-80°	142.9	2.8
80°-90°	17.1	0.3
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°	5053.6	100.0
0°-180°	5053.6	100.0

Coefficient of Utilization

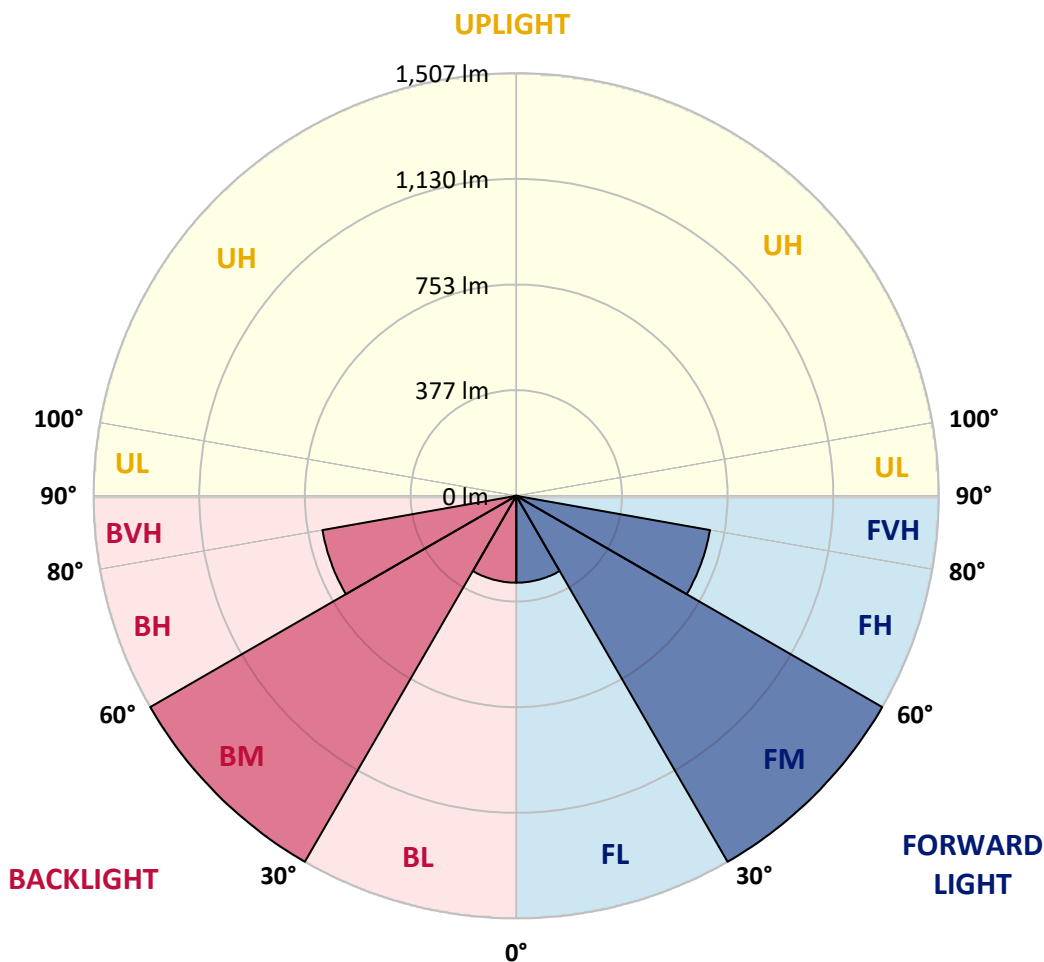


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	309.7	6.1			
FM (30°-60°)	1506.8	29.8			
FH (60°-80°)	701.8	13.9			G1/1800
FVH (80°-90°)	8.6	0.2			G0/10
BL (0°-30°)	309.7	6.1	B1/500		
BM (30°-60°)	1506.8	29.8	B2/2500		
BH (60°-80°)	701.8	13.9	B2/1000		G1/1800
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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8	610.8
2.5°	613.3	614.5	613.5	613.3	612.9	612.9	612.9	613.3	614.3	615.1	614.5
5°	621.0	622.1	621.5	621.2	621.0	621.2	620.7	620.4	621.2	621.2	621.0
7.5°	630.6	631.9	631.4	631.9	632.3	632.5	631.2	630.1	629.8	630.6	630.1
10°	643.7	644.8	645.0	645.3	645.9	645.6	644.0	642.1	641.9	641.6	641.3
12.5°	658.4	659.3	659.5	660.6	661.4	661.7	659.8	658.2	655.5	656.1	655.0
15°	675.1	676.7	676.4	678.0	680.1	680.7	678.8	676.1	673.7	672.4	671.5
17.5°	695.4	696.4	695.9	697.5	700.2	701.6	700.0	696.4	694.1	691.1	689.5
20°	719.5	721.3	721.9	721.9	724.3	725.6	723.3	722.2	718.4	716.3	714.9
22.5°	746.8	747.6	749.2	750.8	753.2	752.7	751.9	750.3	746.8	744.9	742.8
25°	777.6	778.3	782.4	785.8	786.7	786.2	785.1	784.2	781.0	776.7	775.1
27.5°	813.4	815.0	820.4	823.6	823.6	823.8	821.7	824.4	817.5	812.3	811.8
30°	858.4	859.5	864.0	867.2	865.6	864.3	863.8	866.4	858.9	849.8	847.7
32.5°	902.8	906.6	910.6	917.5	911.9	909.5	909.0	910.9	902.3	892.1	889.2
35°	950.5	953.2	960.7	966.6	961.4	955.8	958.2	964.1	953.9	940.3	939.7
37.5°	1003.2	1005.6	1015.3	1021.4	1017.7	1008.0	1012.1	1019.0	1008.9	992.0	988.5
40°	1058.1	1063.2	1075.2	1081.6	1075.5	1062.6	1070.1	1077.6	1068.5	1049.0	1041.2
42.5°	1119.6	1127.7	1145.1	1148.3	1136.5	1119.1	1132.2	1144.3	1137.9	1115.3	1112.4
45°	1191.6	1196.5	1217.9	1224.8	1208.5	1186.8	1203.1	1225.1	1220.3	1194.3	1188.7
47.5°	1272.2	1276.7	1299.0	1309.4	1288.8	1259.6	1289.1	1317.7	1314.7	1286.9	1284.3
50°	1367.5	1368.6	1399.3	1411.1	1390.5	1365.4	1391.6	1427.2	1415.4	1379.8	1379.2
52.5°	1471.9	1473.2	1512.0	1534.8	1523.3	1494.9	1525.9	1547.6	1517.7	1471.1	1467.6
55°	1562.3	1569.1	1622.0	1682.5	1698.3	1677.7	1687.0	1677.0	1603.0	1537.8	1527.6
57.5°	1599.3	1612.4	1692.9	1806.0	1908.7	1939.3	1866.9	1770.1	1637.0	1544.7	1534.8
60°	1509.1	1523.3	1648.3	1862.6	2125.0	2257.5	2054.3	1785.9	1559.7	1429.9	1414.3
62.5°	1208.5	1212.6	1396.4	1729.1	2251.0	2594.2	2133.3	1651.2	1334.6	1158.1	1152.0
64°	869.7	910.9	1105.7	1516.1	2195.9	2722.4	2087.8	1462.5	1084.0	905.5	876.6
65°	650.4	661.7	891.3	1294.7	2098.7	2712.8	1999.5	1282.1	897.8	693.0	660.9
67.5°	245.7	247.1	329.0	645.3	1494.1	2334.0	1525.9	697.5	378.2	273.6	263.7
70°	102.0	103.9	120.7	217.1	642.1	1498.7	735.8	251.6	138.3	112.2	110.5
72.5°	74.7	75.8	80.8	96.4	197.6	615.4	242.0	106.8	81.1	72.6	71.7
75°	58.6	59.1	62.9	70.9	92.1	170.5	100.7	73.3	61.8	55.7	55.2
77.5°	44.7	46.0	48.7	54.1	61.8	80.8	66.6	54.8	47.7	42.6	41.7
80°	30.8	32.4	37.5	39.6	41.5	52.5	45.5	41.5	37.2	31.0	29.2
82.5°	19.0	20.1	25.1	27.0	26.2	29.4	29.2	29.7	26.5	19.3	17.9
85°	9.9	10.4	13.6	14.2	13.1	12.0	15.0	17.4	16.3	10.9	10.7
87.5°	2.1	2.4	2.9	2.7	2.9	2.9	3.8	5.6	5.9	3.8	3.4
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)