

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: P526923

Luminaire Tested: **GALN-SA1D-830-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526923
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-SA1D-830-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 4273 lumens
Efficiency: N/A
Efficacy: 65.7 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): 65
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



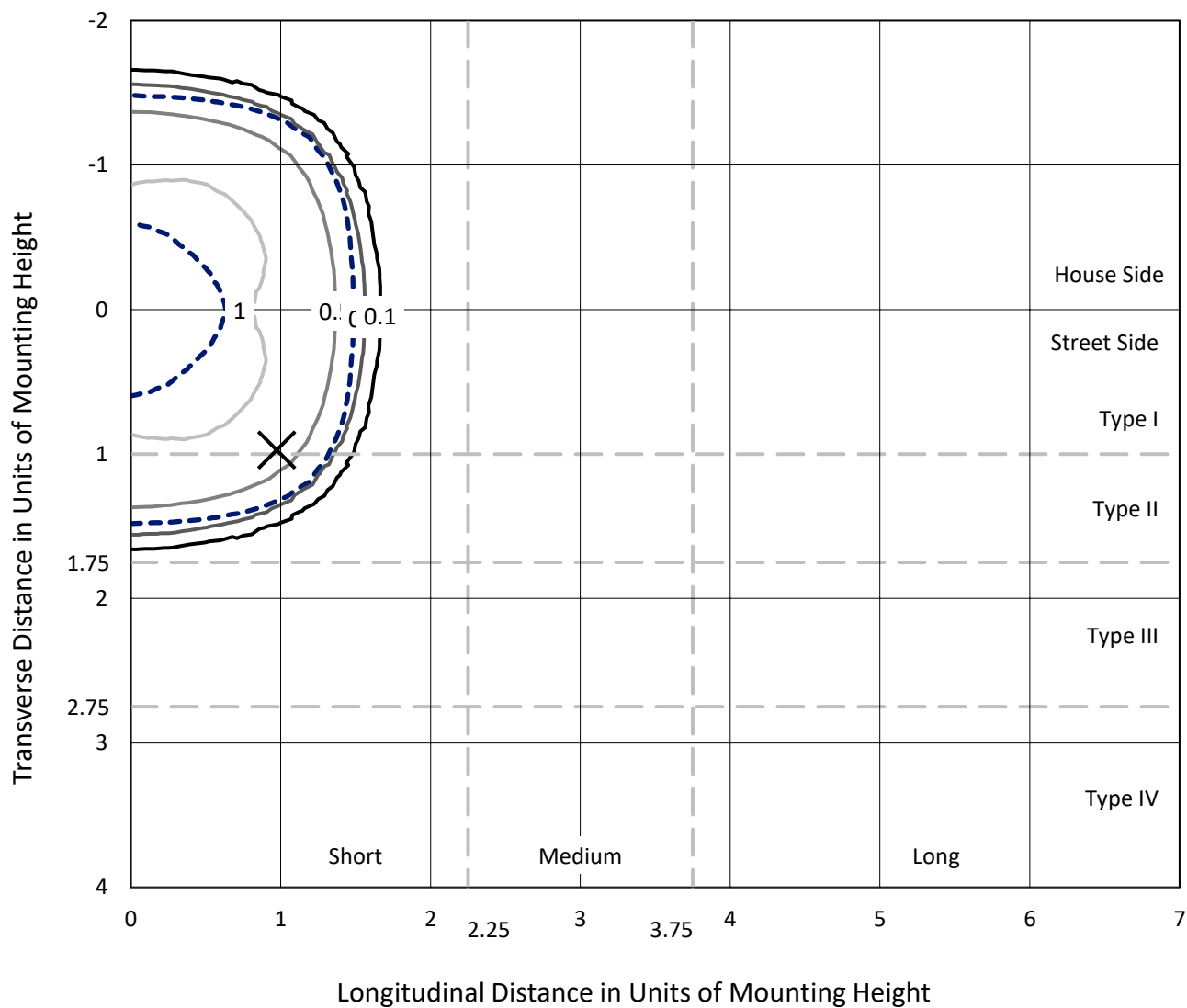
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

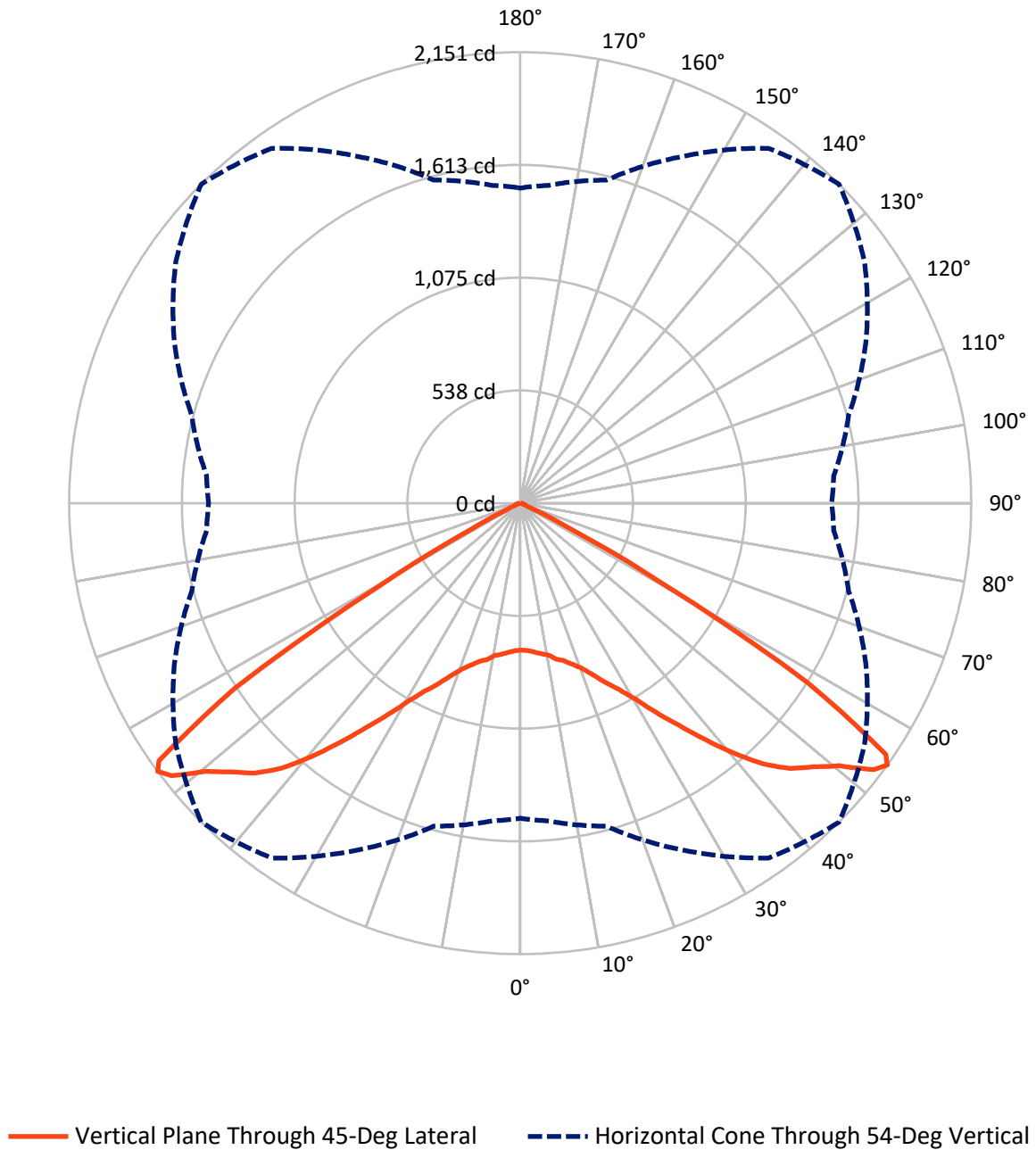
--- 1/2 Max cd



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



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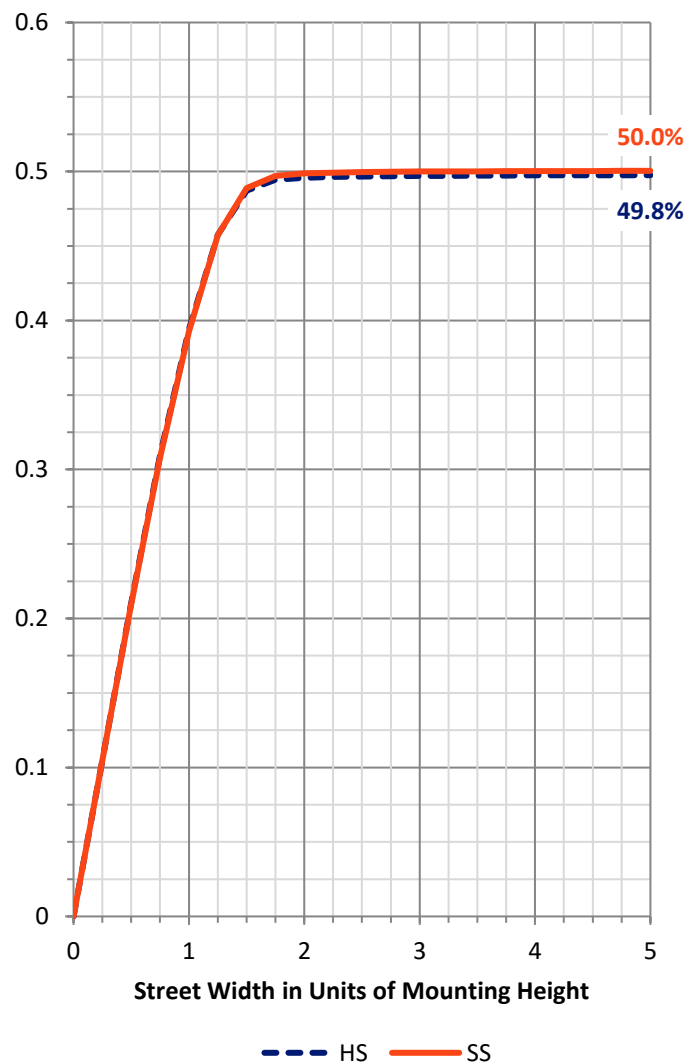
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2136.5	0.0	2136.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2136.5	0.0	2136.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4273.0	0.0	4273.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.6	1.6
10°-20°	222.1	5.2
20°-30°	435.3	10.2
30°-40°	782.7	18.3
40°-50°	1339.8	31.4
50°-60°	1296.4	30.3
60°-70°	111.0	2.6
70°-80°	13.2	0.3
80°-90°	4.1	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°	4273.0	100.0
0°-180°	4273.0	100.0

Coefficient of Utilization



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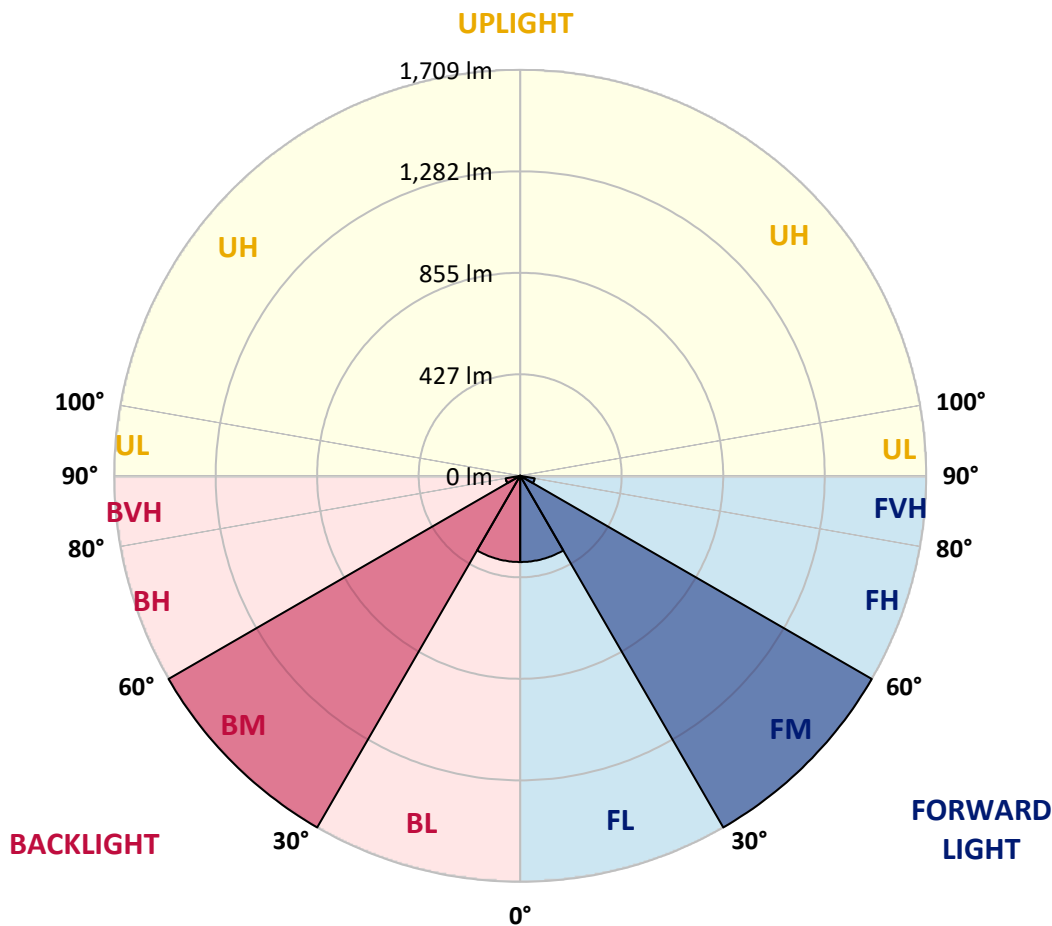
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	363.0	8.5			
FM	(30°-60°)	1709.4	40.0			
FH	(60°-80°)	62.1	1.5			G0/660
FVH	(80°-90°)	2.1	0.0			G0/10
BL	(0°-30°)	363.0	8.5	B1/500		
BM	(30°-60°)	1709.4	40.0	B2/2500		
BH	(60°-80°)	62.1	1.5	B0/110		G0/660
BVH	(80°-90°)	2.1	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°	700.6	700.6	700.6	700.6	700.6	700.6	700.6	700.6	700.6	700.6	700.6
2.5°	704.0	708.1	705.4	707.4	707.4	704.0	706.1	697.9	703.3	699.3	700.0
5°	714.9	714.2	714.2	714.9	712.1	713.5	710.8	708.1	706.1	703.3	711.5
7.5°	728.4	728.4	723.7	725.0	723.7	725.7	720.3	714.9	712.8	710.8	709.4
10°	741.3	739.9	737.9	744.0	739.2	736.5	733.8	730.4	723.0	720.3	717.6
12.5°	760.2	759.5	756.8	762.9	760.2	762.9	752.8	744.0	742.6	733.8	738.5
15°	782.5	788.6	783.9	783.9	782.5	779.2	775.1	771.0	758.9	755.5	756.1
17.5°	811.7	809.6	810.3	810.3	817.1	808.3	800.1	790.0	783.9	781.9	775.1
20°	839.4	842.1	841.4	846.2	850.2	840.8	832.0	830.6	813.7	816.4	806.9
22.5°	888.2	886.1	889.5	892.9	890.2	888.8	880.7	870.6	855.7	848.9	847.5
25°	939.6	936.2	930.1	938.2	942.3	948.4	932.8	927.4	904.4	894.2	894.9
27.5°	983.6	988.3	995.1	998.5	1008.6	1006.6	995.8	978.2	960.6	949.1	941.6
30°	1043.9	1046.6	1058.1	1062.8	1080.4	1085.1	1068.2	1047.9	1016.8	1001.9	993.1
32.5°	1099.4	1118.3	1117.6	1141.3	1169.8	1189.4	1158.9	1127.8	1096.7	1079.1	1063.5
35°	1189.4	1186.0	1205.6	1230.7	1276.7	1299.1	1265.9	1230.0	1182.6	1154.2	1142.0
37.5°	1273.3	1274.7	1301.1	1341.0	1393.8	1428.4	1399.2	1340.4	1291.6	1255.1	1238.1
40°	1395.2	1397.9	1425.0	1470.3	1529.9	1567.1	1533.3	1473.7	1408.7	1380.3	1380.3
42.5°	1538.0	1549.5	1567.1	1606.4	1659.9	1701.2	1670.7	1624.0	1558.3	1521.8	1527.2
45°	1684.9	1690.3	1701.8	1760.1	1785.1	1805.4	1777.0	1755.3	1711.3	1666.6	1659.2
47.5°	1822.3	1824.4	1858.2	1876.5	1896.1	1879.2	1897.5	1869.0	1819.6	1776.3	1767.5
50°	1883.3	1879.9	1927.9	1983.5	1998.3	1968.6	1953.0	1934.0	1858.9	1806.8	1783.8
52.5°	1705.9	1725.5	1814.9	1969.2	2085.7	2110.7	2020.0	1932.7	1792.6	1691.0	1675.4
54°	1502.8	1521.1	1594.9	1823.7	2066.0	2150.7	2004.4	1819.0	1621.3	1500.8	1485.2
55°	1301.8	1281.5	1415.5	1649.0	1974.0	2115.5	1942.8	1672.1	1446.0	1335.6	1314.0
57.5°	704.7	708.1	821.1	1041.8	1387.1	1622.0	1432.4	1131.2	854.3	730.4	719.6
60°	223.4	228.8	278.2	421.1	662.7	791.3	678.3	454.2	314.1	251.8	241.7
62.5°	69.7	72.4	79.2	117.8	181.4	259.3	203.1	121.9	90.7	83.3	84.6
65°	42.6	42.6	43.3	46.0	54.2	63.0	60.9	53.5	51.4	50.1	49.4
67.5°	27.8	27.1	28.4	30.5	31.8	32.5	34.5	36.6	35.9	34.5	34.5
70°	16.9	16.2	17.6	20.3	21.0	22.3	24.4	27.1	26.4	25.0	25.7
72.5°	9.5	9.5	10.2	12.2	14.2	15.6	17.6	19.6	20.3	19.6	19.6
75°	3.4	4.1	5.4	7.4	8.8	10.8	12.9	14.9	16.9	15.6	14.9
77.5°	1.4	1.4	2.7	4.7	6.8	8.8	12.2	14.2	15.6	14.2	12.9
80°	0.7	0.7	2.0	4.1	6.1	8.1	10.2	12.2	12.9	11.5	10.2
82.5°	0.7	0.7	2.0	4.1	6.1	7.4	10.8	12.2	13.5	12.2	10.2
85°	0.0	0.7	2.0	4.1	5.4	6.1	6.1	4.1	3.4	2.0	2.0
87.5°	0.0	0.0	0.7	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)