

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: P527159

Luminaire Tested: **GALN-SA2A-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA2A-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3812 lumens
Efficiency: N/A
Efficacy: 60.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 63
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

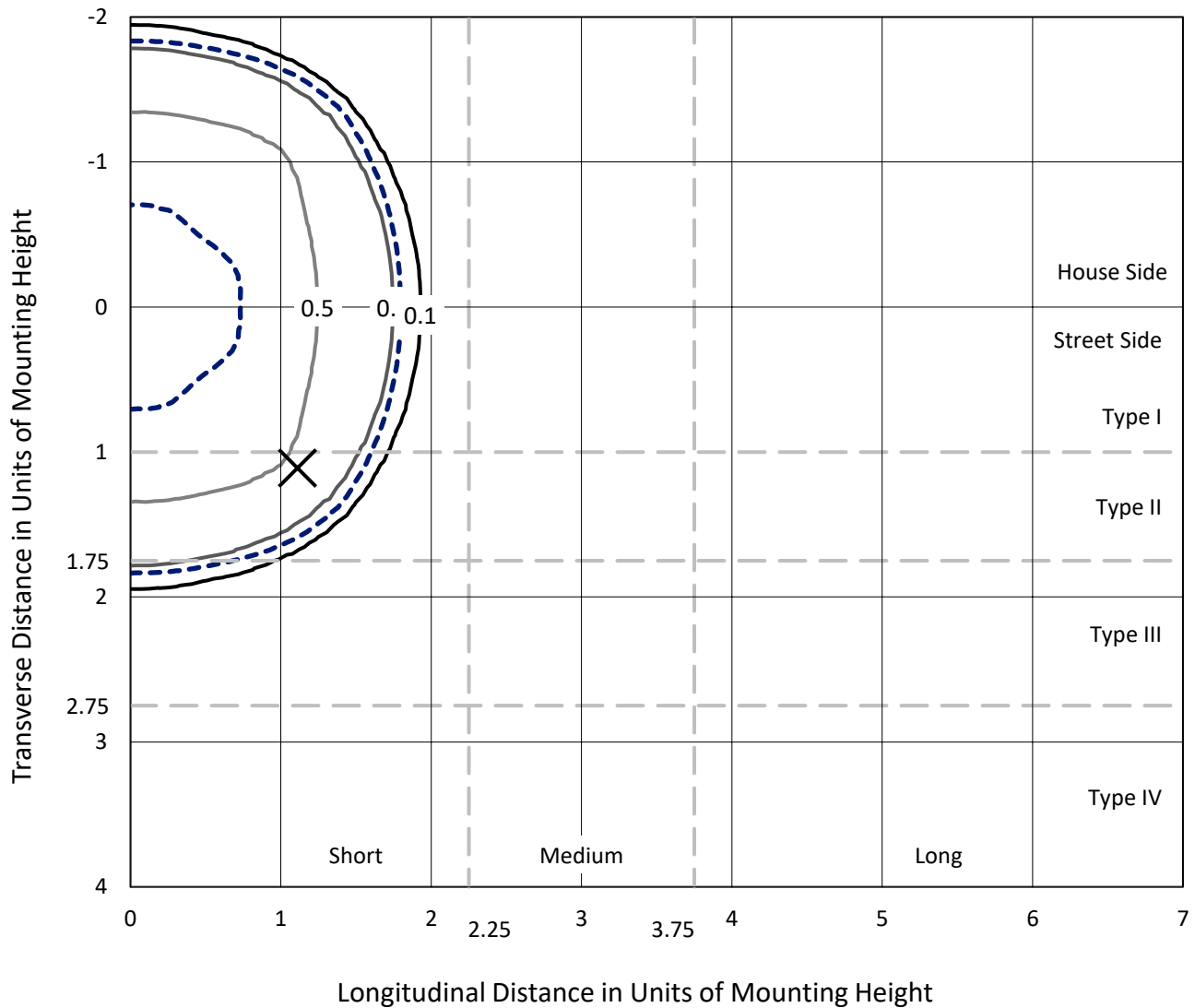


REPORT NUMBER: P527159

CATALOG NUMBER: GALN-SA2A-830-U-5WQ-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

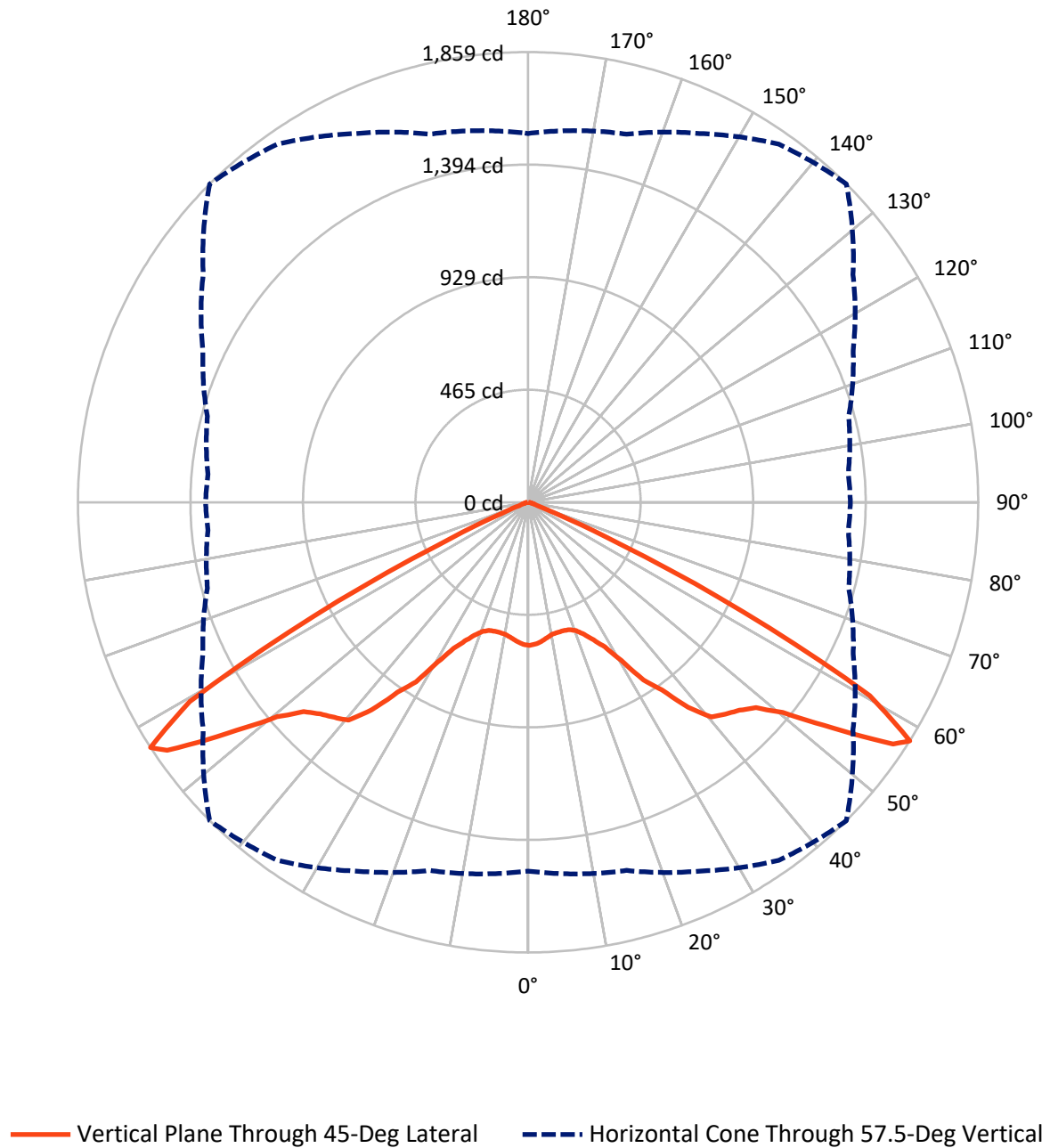
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P527159
CATALOG NUMBER: GALN-SA2A-830-U-5WQ-GRSBK

Luminous Intensity Polar Plot



REPORT NUMBER: P527159

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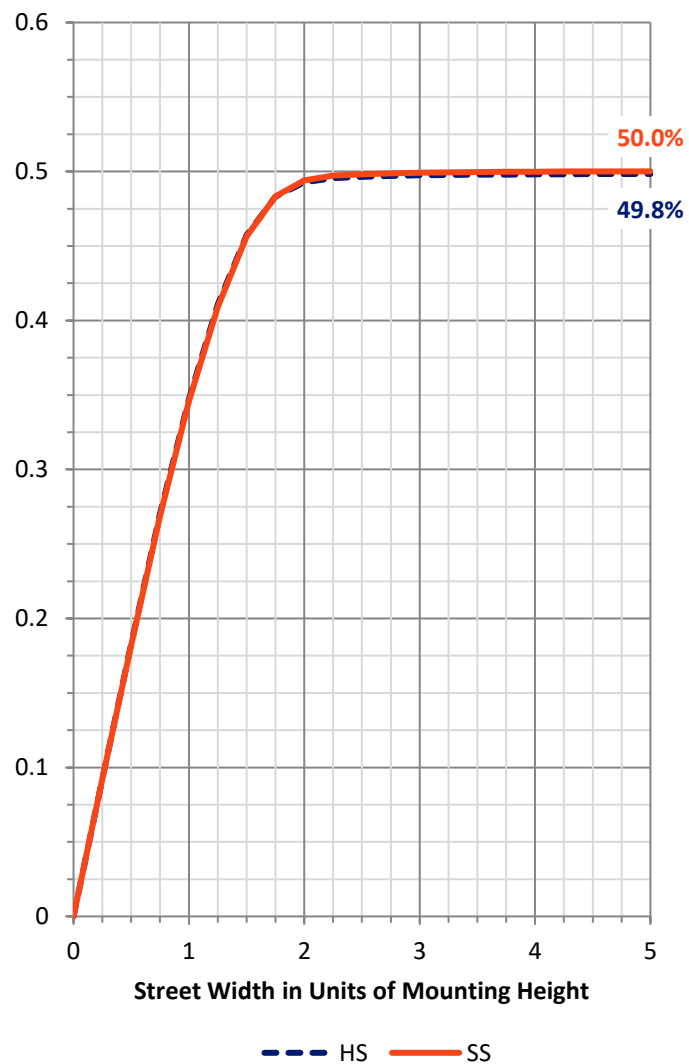
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1906.0	0.0	1906.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3812.0	0.0	3812.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.3	1.4
10°-20°	157.1	4.1
20°-30°	289.9	7.6
30°-40°	570.1	15.0
40°-50°	928.6	24.4
50°-60°	1324.3	34.7
60°-70°	458.5	12.0
70°-80°	24.6	0.6
80°-90°	4.6	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°	3812.0	100.0
0°-180°	3812.0	100.0

Coefficient of Utilization



REPORT NUMBER: P527159

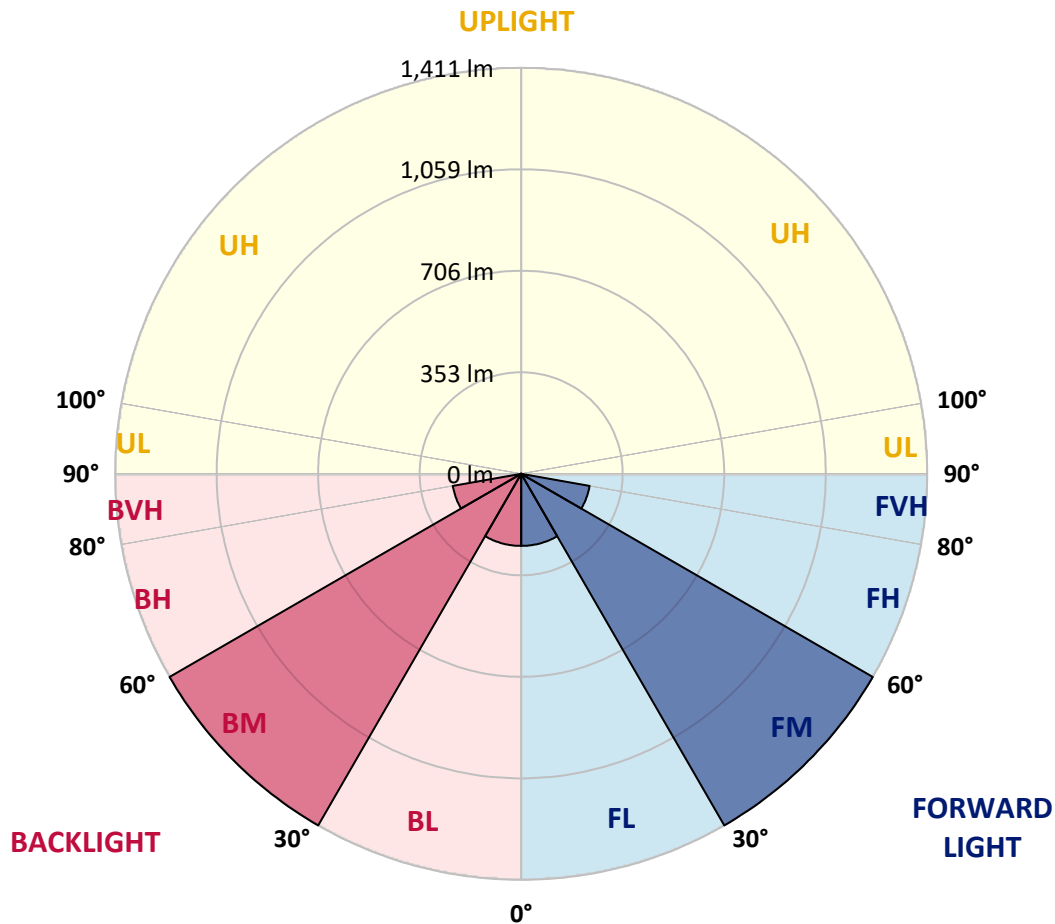
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	250.6	6.6			
FM	(30°-60°)	1411.5	37.0			
FH	(60°-80°)	241.5	6.3			G0/660
FVH	(80°-90°)	2.3	0.1			G0/10
BL	(0°-30°)	250.6	6.6	B1/500		
BM	(30°-60°)	1411.5	37.0	B2/2500		
BH	(60°-80°)	241.5	6.3	B1/500		G0/660
BVH	(80°-90°)	2.3	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°	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3	591.3
2.5°	589.7	592.9	588.9	587.3	586.5	586.5	584.1	584.1	583.3	584.1	580.9
5°	580.2	583.3	583.3	582.5	577.8	577.0	574.6	573.0	573.8	570.6	573.0
7.5°	570.6	573.0	569.8	569.0	567.4	564.3	563.5	556.3	557.1	557.1	558.7
10°	569.0	568.2	563.5	559.5	554.7	553.9	551.5	550.0	550.0	549.2	551.5
12.5°	569.0	565.1	564.3	555.5	547.6	550.7	544.4	540.4	546.0	547.6	550.7
15°	568.2	572.2	558.7	554.7	549.2	550.0	544.4	540.4	543.6	545.2	547.6
17.5°	573.0	570.6	566.6	558.7	556.3	553.1	546.0	542.8	542.8	546.8	547.6
20°	585.7	579.4	571.4	567.4	569.8	565.8	557.1	545.2	548.4	551.5	553.9
22.5°	597.6	592.9	587.3	584.9	598.4	592.1	577.0	563.5	558.7	564.3	568.2
25°	620.7	620.7	610.4	613.5	628.6	629.4	611.9	588.1	584.9	587.3	588.9
27.5°	667.6	670.0	661.2	664.4	670.8	676.3	661.2	641.3	634.2	633.4	635.8
30°	718.4	723.2	722.4	735.9	754.2	757.4	735.1	702.5	681.1	677.1	680.3
32.5°	785.2	787.6	786.0	801.9	851.2	874.2	816.2	770.1	741.5	748.6	741.5
35°	910.8	908.4	890.9	894.1	934.6	951.3	895.7	866.3	852.7	867.1	863.9
37.5°	1018.8	1010.1	995.8	1016.5	1058.6	1073.7	1015.7	964.0	939.4	963.2	973.5
40°	1110.2	1088.0	1068.1	1088.8	1145.2	1165.9	1080.8	1038.7	1029.2	1046.7	1068.9
42.5°	1187.3	1173.0	1146.8	1148.4	1185.7	1195.3	1126.9	1102.3	1092.8	1120.6	1131.7
45°	1242.2	1228.7	1204.0	1202.4	1231.0	1224.7	1163.5	1146.8	1152.4	1170.6	1176.2
47.5°	1270.0	1277.1	1262.8	1266.8	1281.9	1266.8	1218.3	1218.3	1205.6	1216.7	1211.2
50°	1350.3	1328.0	1346.3	1346.3	1362.2	1363.8	1315.3	1297.8	1263.6	1244.6	1244.6
52.5°	1444.0	1445.6	1452.8	1479.0	1506.0	1529.1	1459.9	1385.2	1328.0	1303.4	1300.2
55°	1521.1	1537.0	1565.6	1614.9	1692.8	1724.6	1605.4	1471.8	1401.9	1363.8	1355.8
56°	1563.2	1548.1	1597.4	1665.0	1766.7	1808.0	1629.2	1489.3	1412.2	1369.3	1368.5
57.5°	1522.7	1539.4	1573.6	1680.1	1804.8	1858.9	1637.9	1481.4	1370.9	1327.2	1331.2
60°	1202.4	1218.3	1264.4	1383.6	1579.1	1621.3	1386.0	1221.5	1123.0	1060.2	1061.0
62.5°	680.3	692.2	728.0	838.4	960.0	1000.6	863.9	754.2	685.9	650.9	639.8
65°	250.3	245.6	251.1	307.6	382.3	416.4	359.2	303.6	267.8	255.1	250.3
67.5°	93.8	86.6	81.1	86.6	108.9	115.2	105.7	88.2	82.7	85.0	86.6
70°	58.0	54.8	43.7	41.3	40.5	39.7	42.1	44.5	50.9	59.6	61.2
72.5°	40.5	38.1	31.0	29.4	27.8	27.0	31.0	34.2	39.7	46.1	46.9
75°	15.9	16.7	15.9	17.5	18.3	19.1	22.3	24.6	27.0	27.0	26.2
77.5°	3.2	3.2	4.8	6.4	7.9	10.3	15.1	17.5	18.3	17.5	15.1
80°	0.0	0.0	1.6	3.2	6.4	8.7	13.5	15.1	16.7	15.1	11.9
82.5°	0.0	0.0	1.6	4.0	6.4	7.9	12.7	15.9	18.3	16.7	12.7
85°	0.0	0.0	1.6	3.2	4.8	5.6	5.6	4.0	4.0	2.4	1.6
87.5°	0.0	0.0	0.0	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)