

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: P526117

Luminaire Tested: **GALN-SA1A-740-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526117
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-SA1A-740-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 4000K, 615mA 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: 3179 lumens
Efficiency: N/A
Efficacy: 96.3 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

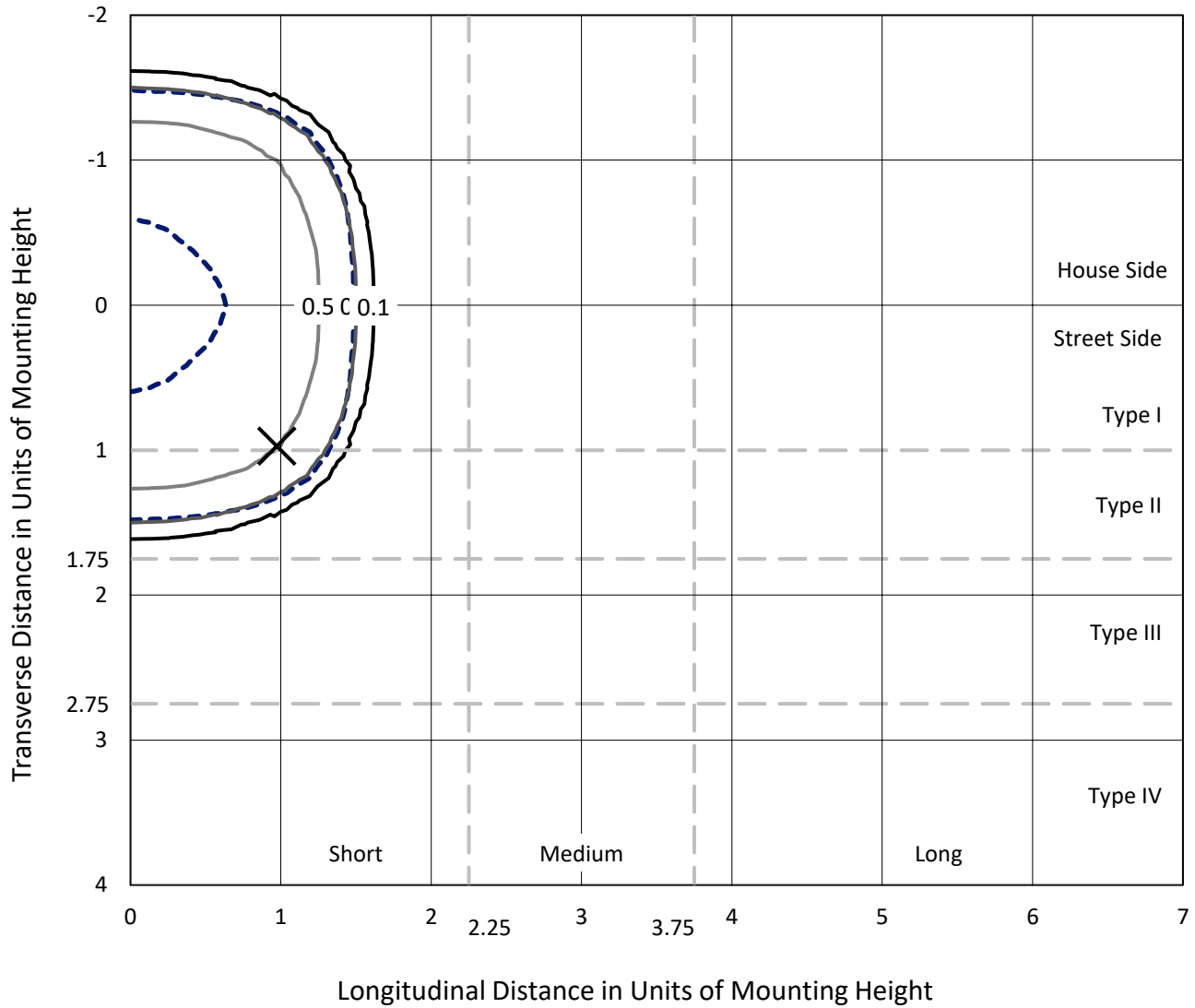
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

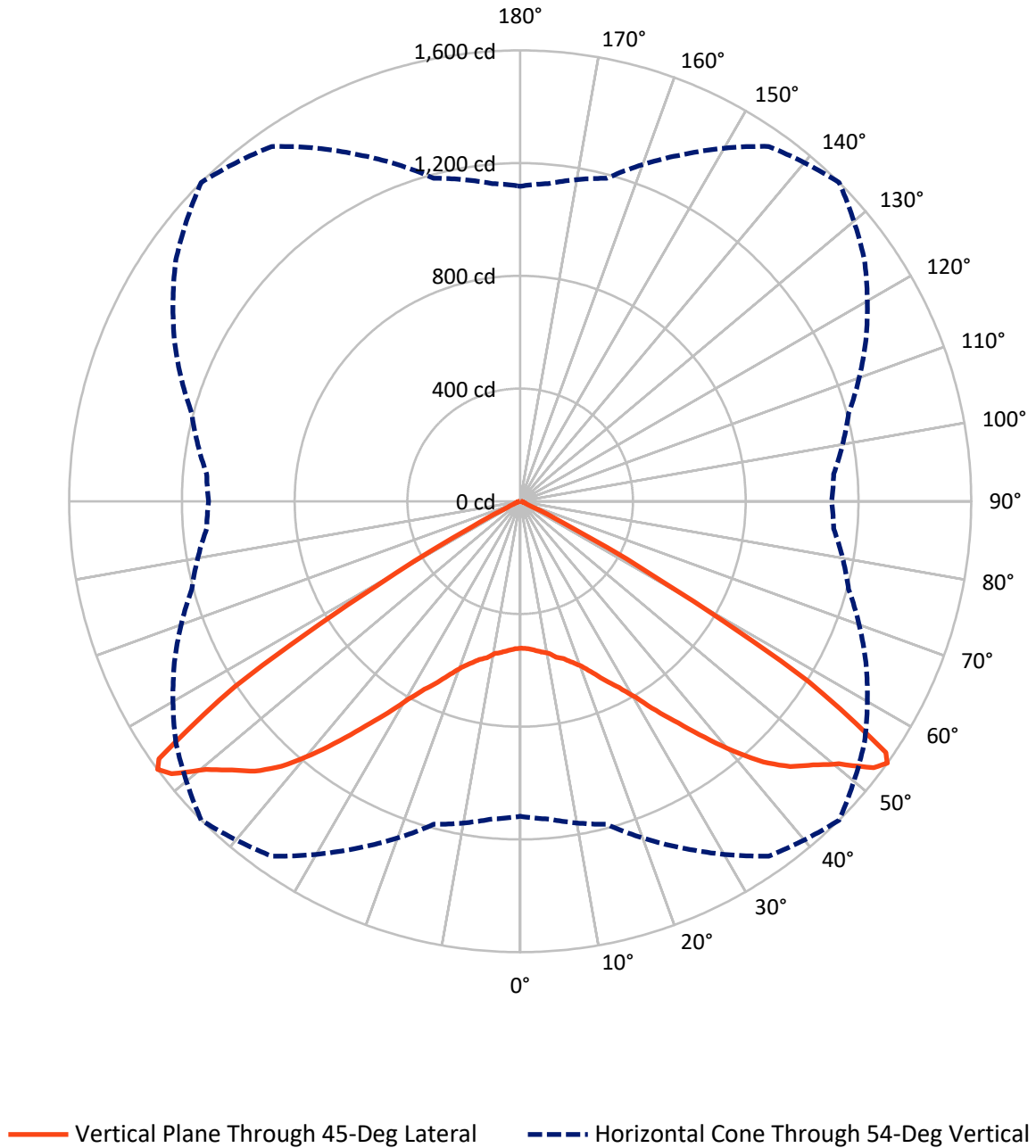
✕ Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



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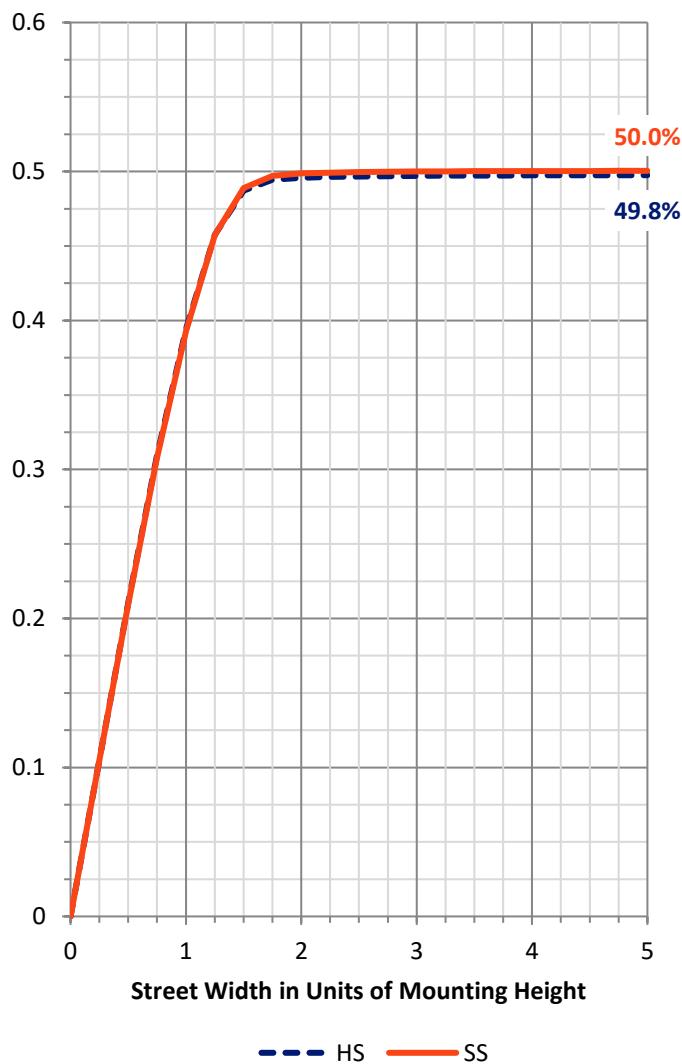
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1589.5	0.0	1589.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1589.5	0.0	1589.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3179.0	0.0	3179.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.0	1.6
10°-20°	165.2	5.2
20°-30°	323.8	10.2
30°-40°	582.3	18.3
40°-50°	996.8	31.4
50°-60°	964.5	30.3
60°-70°	82.6	2.6
70°-80°	9.8	0.3
80°-90°	3.1	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°	3179.0	100.0
0°-180°	3179.0	100.0

Coefficient of Utilization



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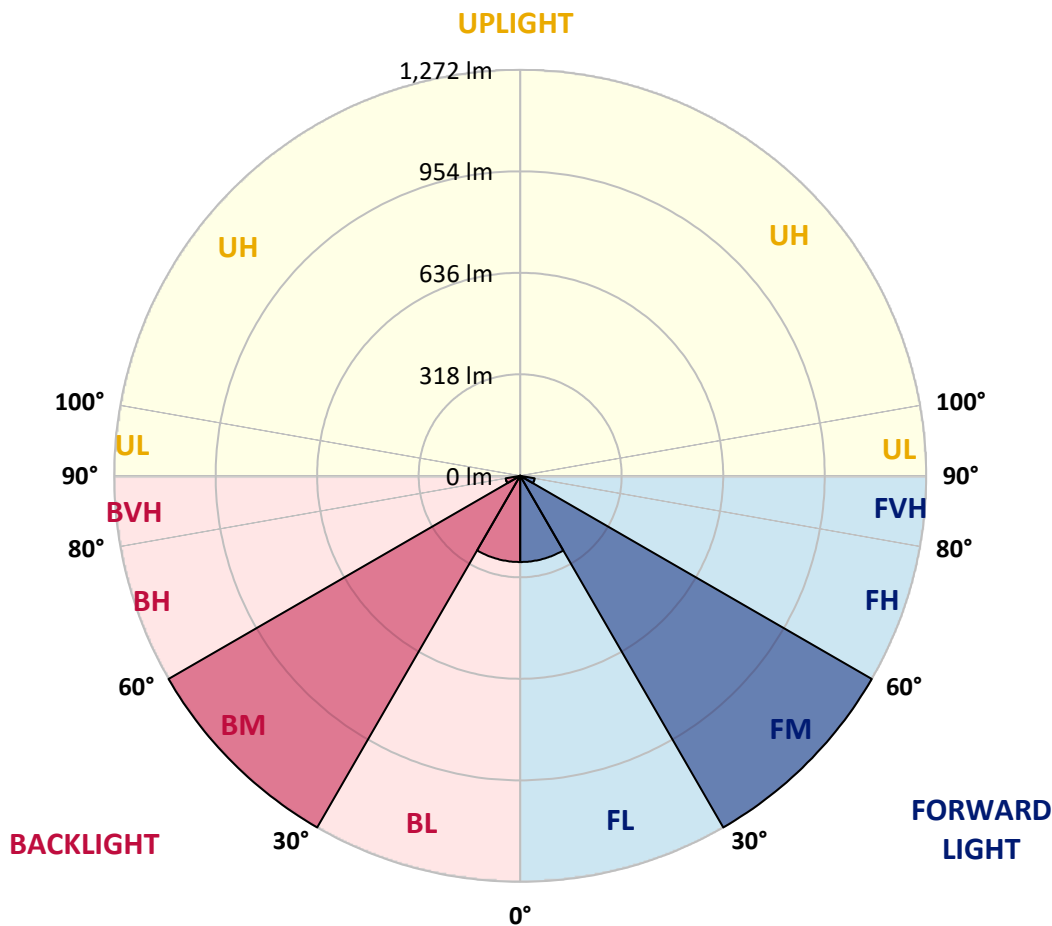
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	270.0	8.5			
FM (30°-60°)	1271.8	40.0			
FH (60°-80°)	46.2	1.5			G0/660
FVH (80°-90°)	1.5	0.0			G0/10
BL (0°-30°)	270.0	8.5	B1/500		
BM (30°-60°)	1271.8	40.0	B2/2500		
BH (60°-80°)	46.2	1.5	B0/110		G0/660
BVH (80°-90°)	1.5	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°	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3	521.3
2.5°	523.8	526.8	524.8	526.3	526.3	523.8	525.3	519.2	523.3	520.2	520.8
5°	531.8	531.3	531.3	531.8	529.8	530.8	528.8	526.8	525.3	523.3	529.3
7.5°	541.9	541.9	538.4	539.4	538.4	539.9	535.9	531.8	530.3	528.8	527.8
10°	551.5	550.5	549.0	553.5	550.0	547.9	545.9	543.4	537.9	535.9	533.8
12.5°	565.6	565.1	563.1	567.6	565.6	567.6	560.0	553.5	552.5	545.9	549.5
15°	582.2	586.7	583.2	583.2	582.2	579.7	576.7	573.6	564.6	562.1	562.6
17.5°	603.9	602.3	602.8	602.8	607.9	601.3	595.3	587.7	583.2	581.7	576.7
20°	624.5	626.5	626.0	629.5	632.6	625.5	619.0	618.0	605.4	607.4	600.3
22.5°	660.8	659.3	661.8	664.3	662.3	661.3	655.2	647.7	636.6	631.6	630.5
25°	699.0	696.5	692.0	698.0	701.1	705.6	694.0	690.0	672.8	665.3	665.8
27.5°	731.8	735.3	740.3	742.9	750.4	748.9	740.8	727.7	714.7	706.1	700.5
30°	776.6	778.6	787.2	790.7	803.8	807.3	794.7	779.6	756.5	745.4	738.8
32.5°	817.9	832.0	831.5	849.1	870.3	884.9	862.2	839.0	815.9	802.8	791.2
35°	884.9	882.4	897.0	915.6	949.8	966.5	941.8	915.1	879.8	858.7	849.6
37.5°	947.3	948.3	968.0	997.7	1037.0	1062.7	1041.0	997.2	960.9	933.7	921.1
40°	1038.0	1040.0	1060.1	1093.9	1138.2	1165.9	1140.7	1096.4	1048.1	1026.9	1026.9
42.5°	1144.2	1152.8	1165.9	1195.1	1234.9	1265.6	1243.0	1208.2	1159.4	1132.2	1136.2
45°	1253.5	1257.6	1266.1	1309.4	1328.1	1343.2	1322.0	1305.9	1273.2	1239.9	1234.4
47.5°	1355.8	1357.3	1382.5	1396.1	1410.7	1398.1	1411.7	1390.5	1353.8	1321.5	1315.0
50°	1401.1	1398.6	1434.3	1475.6	1486.7	1464.6	1453.0	1438.9	1383.0	1344.2	1327.1
52.5°	1269.1	1283.8	1350.2	1465.1	1551.7	1570.3	1502.8	1437.9	1333.6	1258.1	1246.5
54°	1118.1	1131.7	1186.6	1356.8	1537.1	1600.0	1491.2	1353.3	1206.2	1116.5	1105.0
55°	968.5	953.4	1053.1	1226.8	1468.6	1573.8	1445.4	1244.0	1075.8	993.7	977.5
57.5°	524.3	526.8	610.9	775.1	1031.9	1206.7	1065.7	841.6	635.6	543.4	535.4
60°	166.2	170.2	207.0	313.3	493.1	588.7	504.6	337.9	233.7	187.4	179.8
62.5°	51.9	53.9	58.9	87.6	135.0	192.9	151.1	90.7	67.5	61.9	63.0
65°	31.7	31.7	32.2	34.2	40.3	46.8	45.3	39.8	38.3	37.3	36.8
67.5°	20.6	20.1	21.2	22.7	23.7	24.2	25.7	27.2	26.7	25.7	25.7
70°	12.6	12.1	13.1	15.1	15.6	16.6	18.1	20.1	19.6	18.6	19.1
72.5°	7.1	7.1	7.6	9.1	10.6	11.6	13.1	14.6	15.1	14.6	14.6
75°	2.5	3.0	4.0	5.5	6.5	8.1	9.6	11.1	12.6	11.6	11.1
77.5°	1.0	1.0	2.0	3.5	5.0	6.5	9.1	10.6	11.6	10.6	9.6
80°	0.5	0.5	1.5	3.0	4.5	6.0	7.6	9.1	9.6	8.6	7.6
82.5°	0.5	0.5	1.5	3.0	4.5	5.5	8.1	9.1	10.1	9.1	7.6
85°	0.0	0.5	1.5	3.0	4.0	4.5	4.5	3.0	2.5	1.5	1.5
87.5°	0.0	0.0	0.5	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)