

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: P526065

Luminaire Tested: **GALN-SA1A-730-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526065
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-730-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 2895 lumens
Efficiency: N/A
Efficacy: 87.7 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

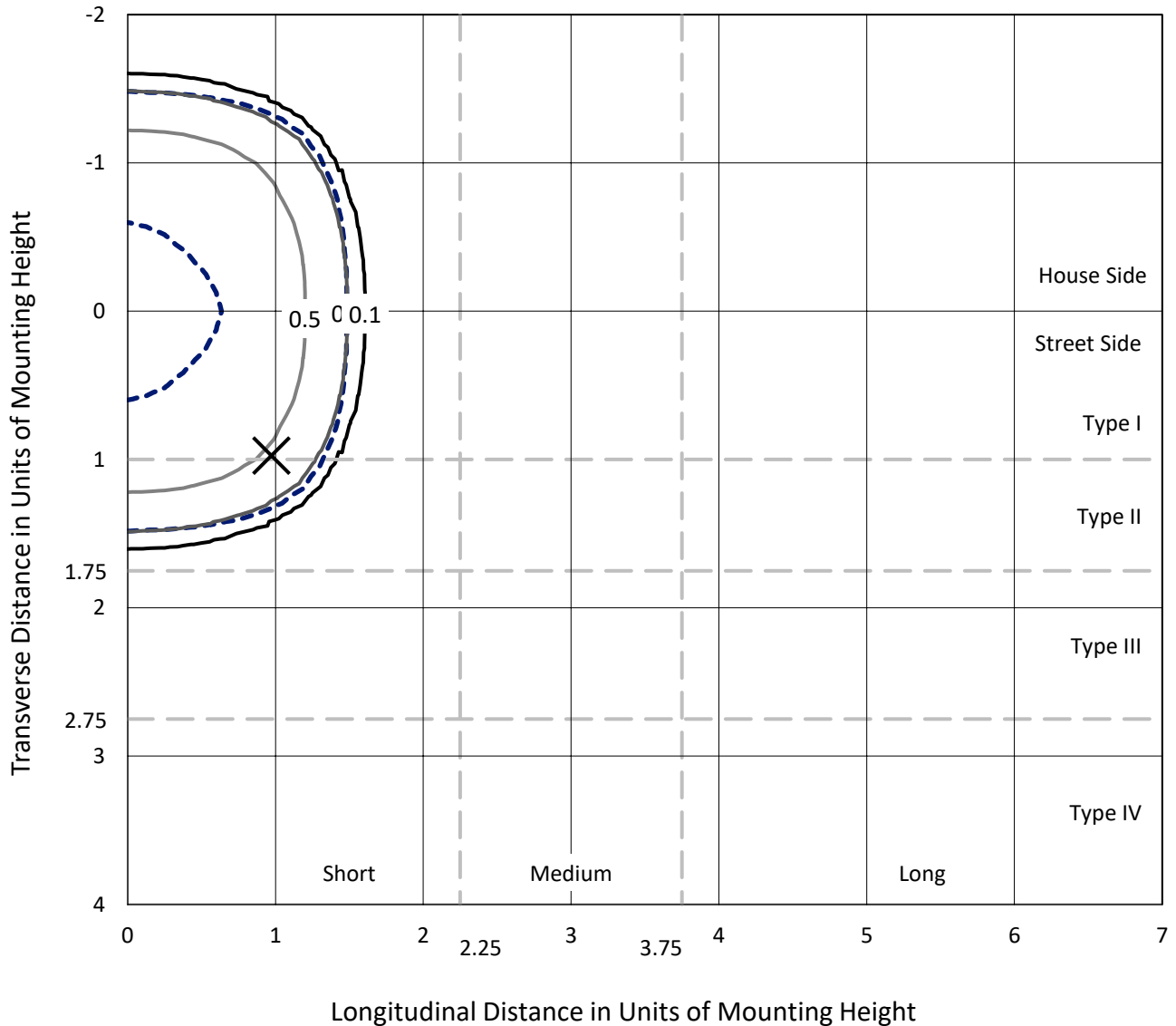
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

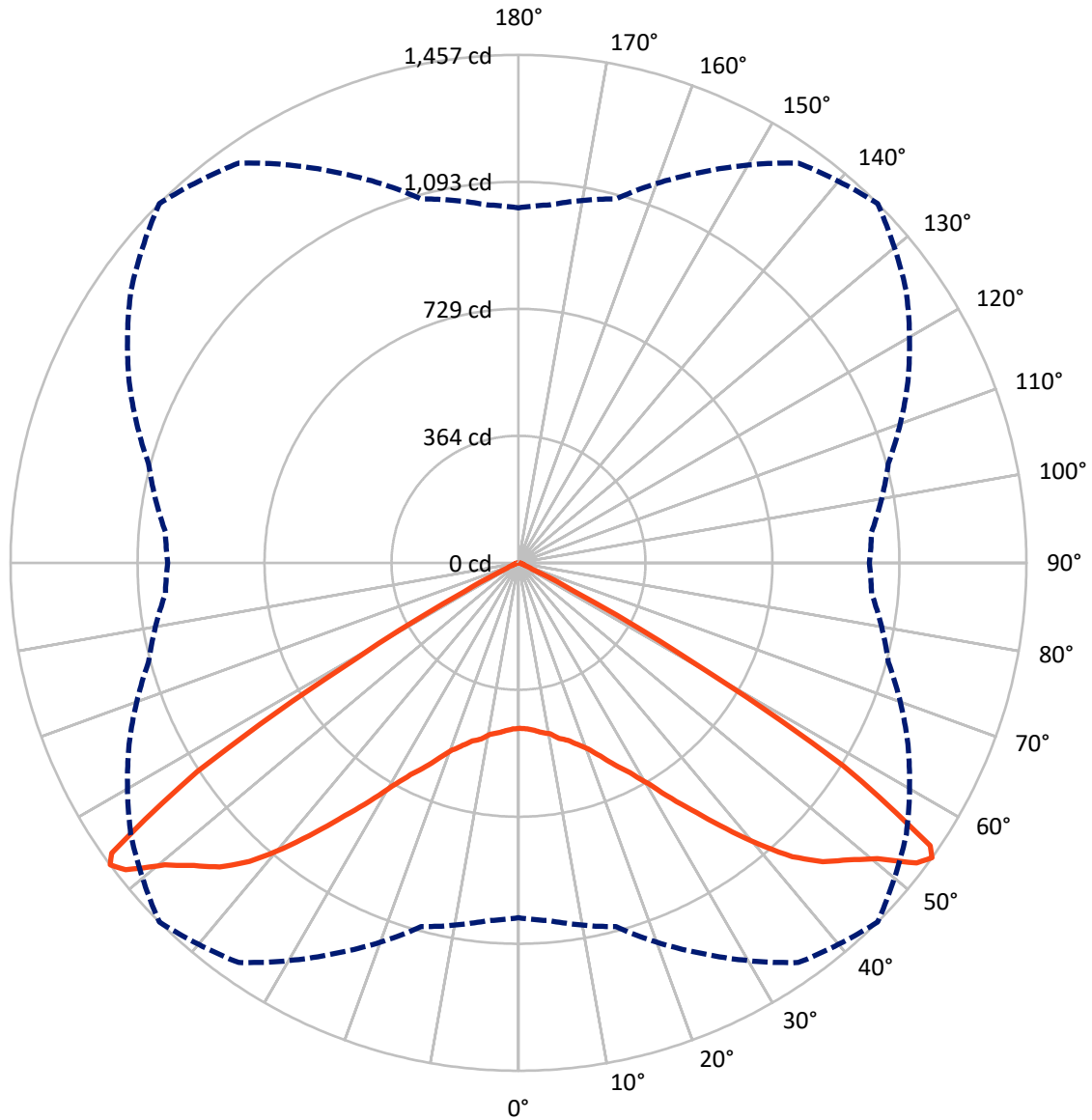
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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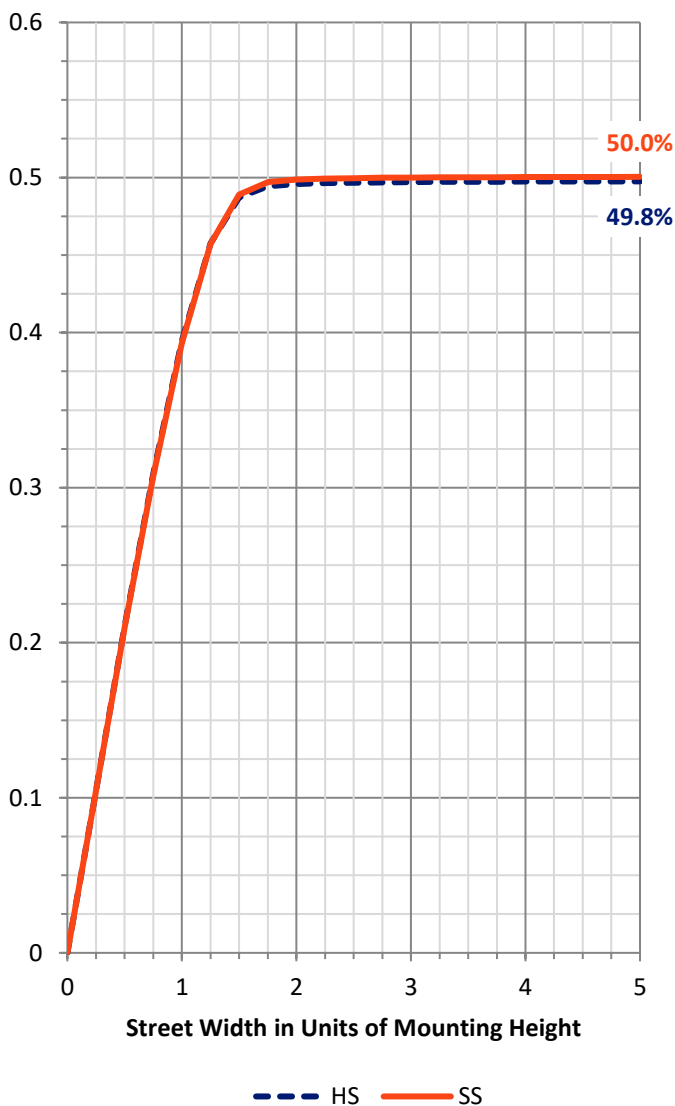
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1447.5	0.0	1447.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1447.5	0.0	1447.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	2895.0	0.0	2895.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	46.5	1.6
10°-20°	150.5	5.2
20°-30°	294.9	10.2
30°-40°	530.3	18.3
40°-50°	907.7	31.4
50°-60°	878.3	30.3
60°-70°	75.2	2.6
70°-80°	8.9	0.3
80°-90°	2.8	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°	2895.0	100.0
0°-180°	2895.0	100.0

Coefficient of Utilization

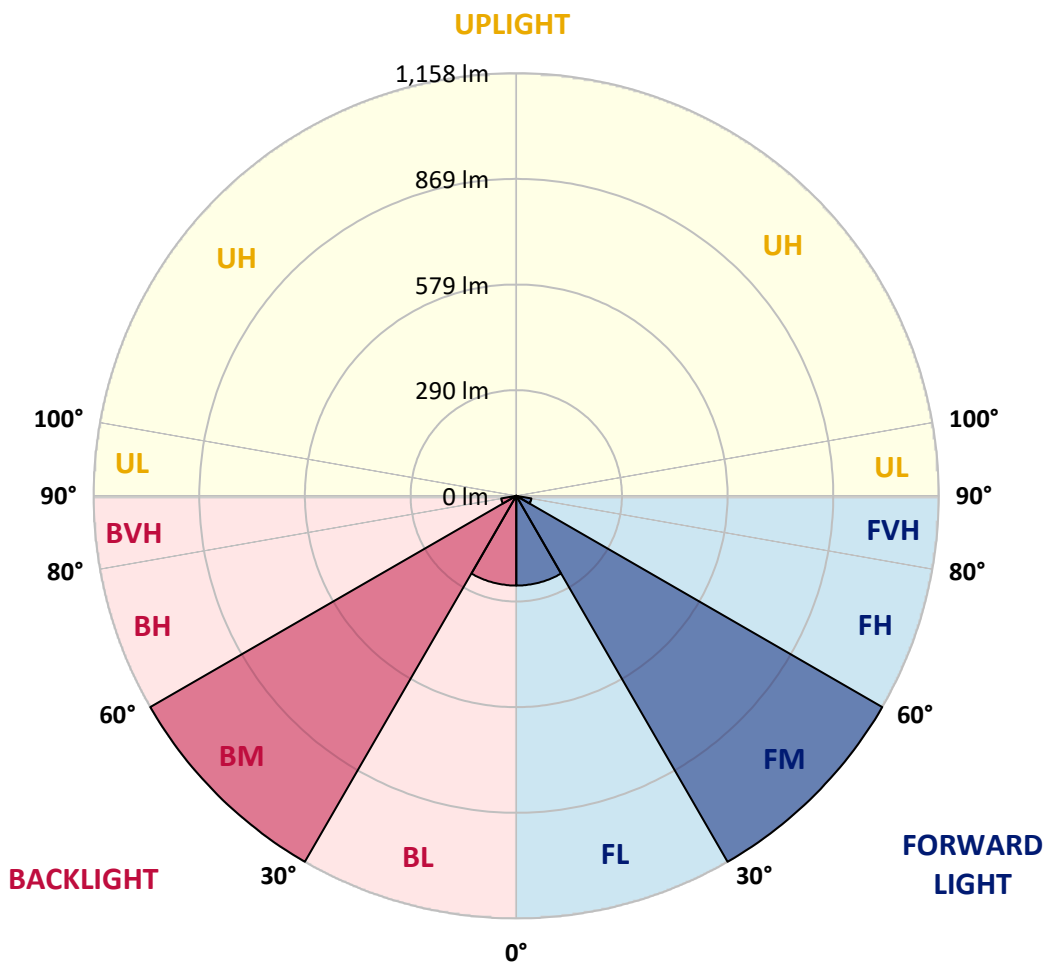


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	245.9	8.5			
FM (30°-60°)	1158.1	40.0			
FH (60°-80°)	42.1	1.5			G0/660
FVH (80°-90°)	1.4	0.0			G0/10
BL (0°-30°)	245.9	8.5	B1/500		
BM (30°-60°)	1158.1	40.0	B2/2500		
BH (60°-80°)	42.1	1.5	B0/110		G0/660
BVH (80°-90°)	1.4	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°	474.7	474.7	474.7	474.7	474.7	474.7	474.7	474.7	474.7	474.7	474.7
2.5°	477.0	479.7	477.9	479.3	479.3	477.0	478.4	472.9	476.5	473.8	474.2
5°	484.3	483.9	483.9	484.3	482.5	483.4	481.6	479.7	478.4	476.5	482.0
7.5°	493.5	493.5	490.3	491.2	490.3	491.7	488.0	484.3	482.9	481.6	480.7
10°	502.2	501.3	499.9	504.0	500.8	499.0	497.2	494.9	489.8	488.0	486.2
12.5°	515.0	514.6	512.8	516.9	515.0	516.9	510.0	504.0	503.1	497.2	500.4
15°	530.2	534.3	531.1	531.1	530.2	527.9	525.1	522.4	514.1	511.8	512.3
17.5°	549.9	548.5	549.0	549.0	553.6	547.6	542.1	535.2	531.1	529.7	525.1
20°	568.7	570.5	570.1	573.3	576.0	569.6	563.7	562.7	551.3	553.1	546.7
22.5°	601.7	600.4	602.6	604.9	603.1	602.2	596.7	589.8	579.7	575.1	574.2
25°	636.6	634.3	630.2	635.7	638.4	642.6	632.0	628.3	612.7	605.9	606.3
27.5°	666.4	669.6	674.2	676.5	683.4	682.0	674.7	662.7	650.8	643.0	638.0
30°	707.2	709.1	716.9	720.1	732.0	735.2	723.7	710.0	688.9	678.8	672.8
32.5°	744.8	757.7	757.2	773.3	792.5	805.8	785.2	764.1	743.0	731.1	720.5
35°	805.8	803.5	816.8	833.8	865.0	880.1	857.7	833.3	801.2	782.0	773.7
37.5°	862.7	863.6	881.5	908.6	944.3	967.7	948.0	908.1	875.1	850.3	838.8
40°	945.3	947.1	965.4	996.2	1036.5	1061.7	1038.8	998.5	954.4	935.2	935.2
42.5°	1042.0	1049.8	1061.7	1088.3	1124.6	1152.6	1131.9	1100.3	1055.8	1031.0	1034.7
45°	1141.5	1145.2	1153.0	1192.5	1209.4	1223.2	1203.9	1189.2	1159.4	1129.2	1124.1
47.5°	1234.7	1236.0	1259.0	1271.3	1284.6	1273.2	1285.6	1266.3	1232.8	1203.5	1197.5
50°	1275.9	1273.6	1306.2	1343.8	1353.9	1333.7	1323.2	1310.3	1259.4	1224.1	1208.5
52.5°	1155.8	1169.1	1229.6	1334.2	1413.1	1430.0	1368.6	1309.4	1214.5	1145.7	1135.1
54°	1018.2	1030.6	1080.5	1235.6	1399.8	1457.1	1358.0	1232.4	1098.4	1016.8	1006.3
55°	882.0	868.2	959.0	1117.2	1337.4	1433.2	1316.3	1132.8	979.6	904.9	890.2
57.5°	477.4	479.7	556.3	705.8	939.7	1098.9	970.5	766.4	578.8	494.9	487.5
60°	151.4	155.0	188.5	285.3	449.0	536.1	459.6	307.7	212.8	170.6	163.7
62.5°	47.2	49.1	53.7	79.8	122.9	175.7	137.6	82.6	61.5	56.4	57.3
65°	28.9	28.9	29.4	31.2	36.7	42.7	41.3	36.2	34.9	33.9	33.5
67.5°	18.8	18.3	19.3	20.6	21.6	22.0	23.4	24.8	24.3	23.4	23.4
70°	11.5	11.0	11.9	13.8	14.2	15.1	16.5	18.3	17.9	17.0	17.4
72.5°	6.4	6.4	6.9	8.3	9.6	10.5	11.9	13.3	13.8	13.3	13.3
75°	2.3	2.8	3.7	5.0	6.0	7.3	8.7	10.1	11.5	10.5	10.1
77.5°	0.9	0.9	1.8	3.2	4.6	6.0	8.3	9.6	10.5	9.6	8.7
80°	0.5	0.5	1.4	2.8	4.1	5.5	6.9	8.3	8.7	7.8	6.9
82.5°	0.5	0.5	1.4	2.8	4.1	5.0	7.3	8.3	9.2	8.3	6.9
85°	0.0	0.5	1.4	2.8	3.7	4.1	4.1	2.8	2.3	1.4	1.4
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)