

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: P526691

Luminaire Tested: **GALN-SA1C-830-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526691
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-SA1C-830-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2948 lumens
Efficiency: N/A
Efficacy: 51.7 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): 57
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



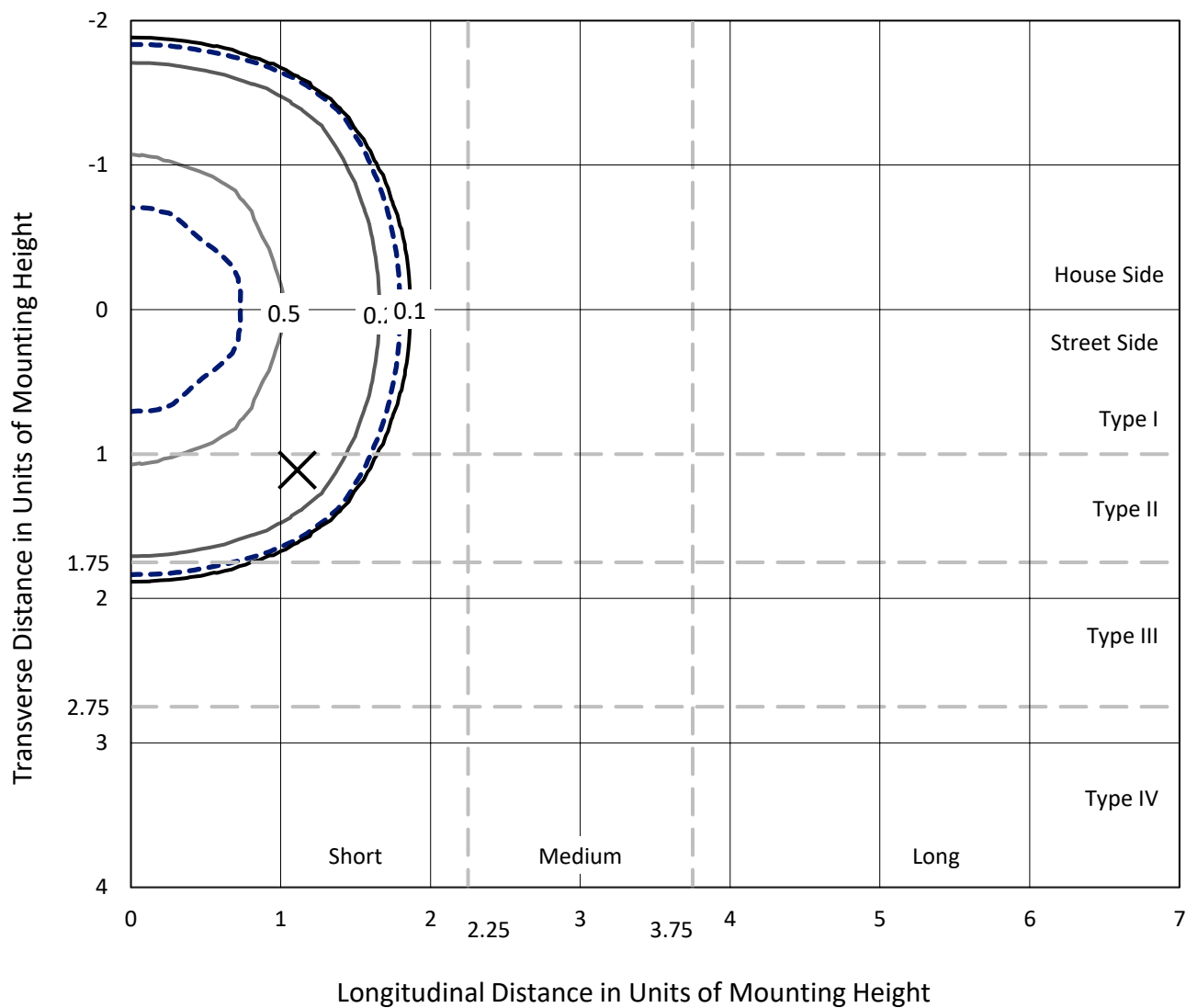
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

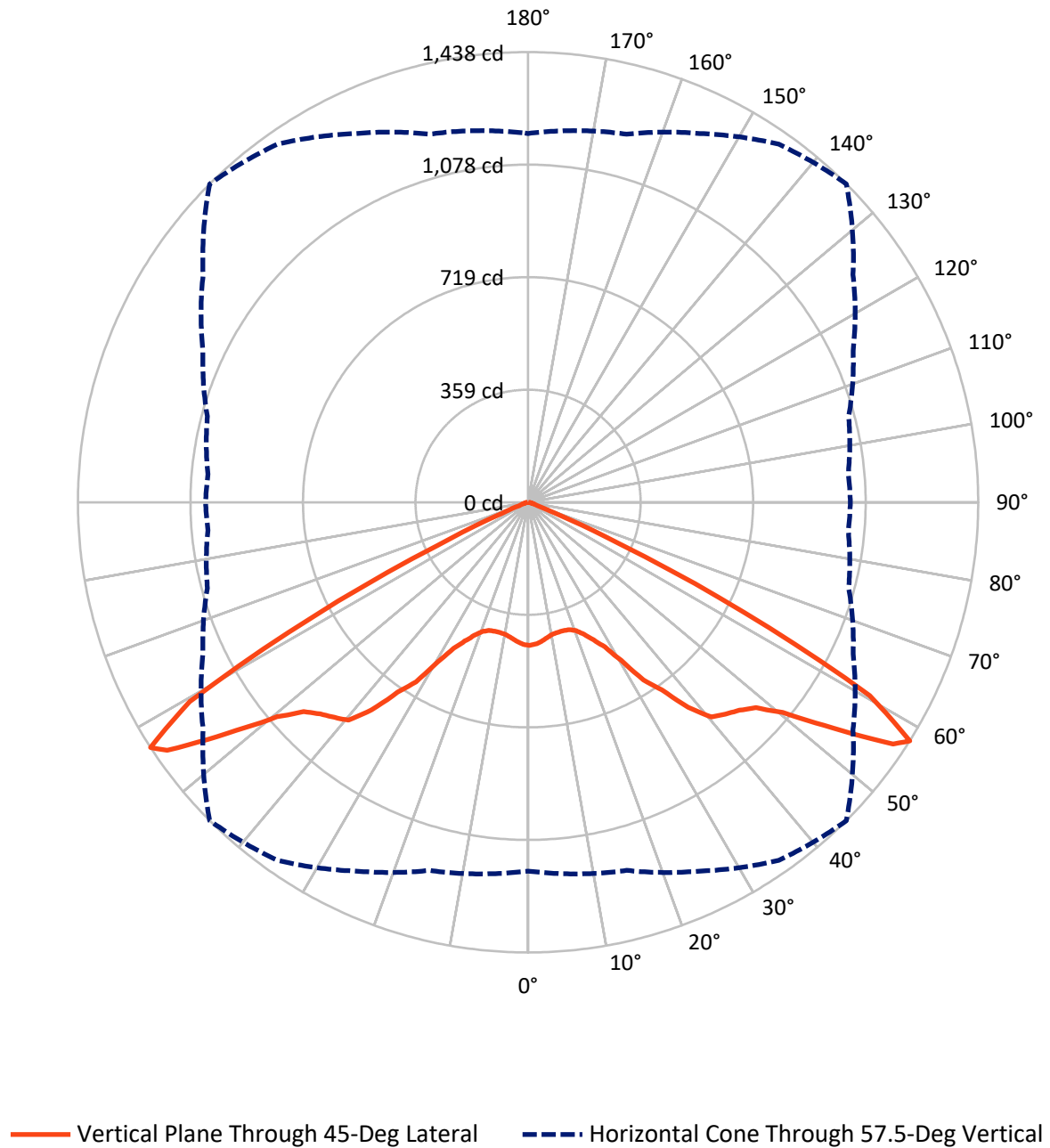
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.7 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	1474.0	0.0	1474.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1474.0	0.0	1474.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	2948.0	0.0	2948.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	42.0	1.4
10°-20°	121.5	4.1
20°-30°	224.2	7.6
30°-40°	440.9	15.0
40°-50°	718.1	24.4
50°-60°	1024.1	34.7
60°-70°	354.6	12.0
70°-80°	19.0	0.6
80°-90°	3.6	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°	2948.0	100.0
0°-180°	2948.0	100.0

Coefficient of Utilization



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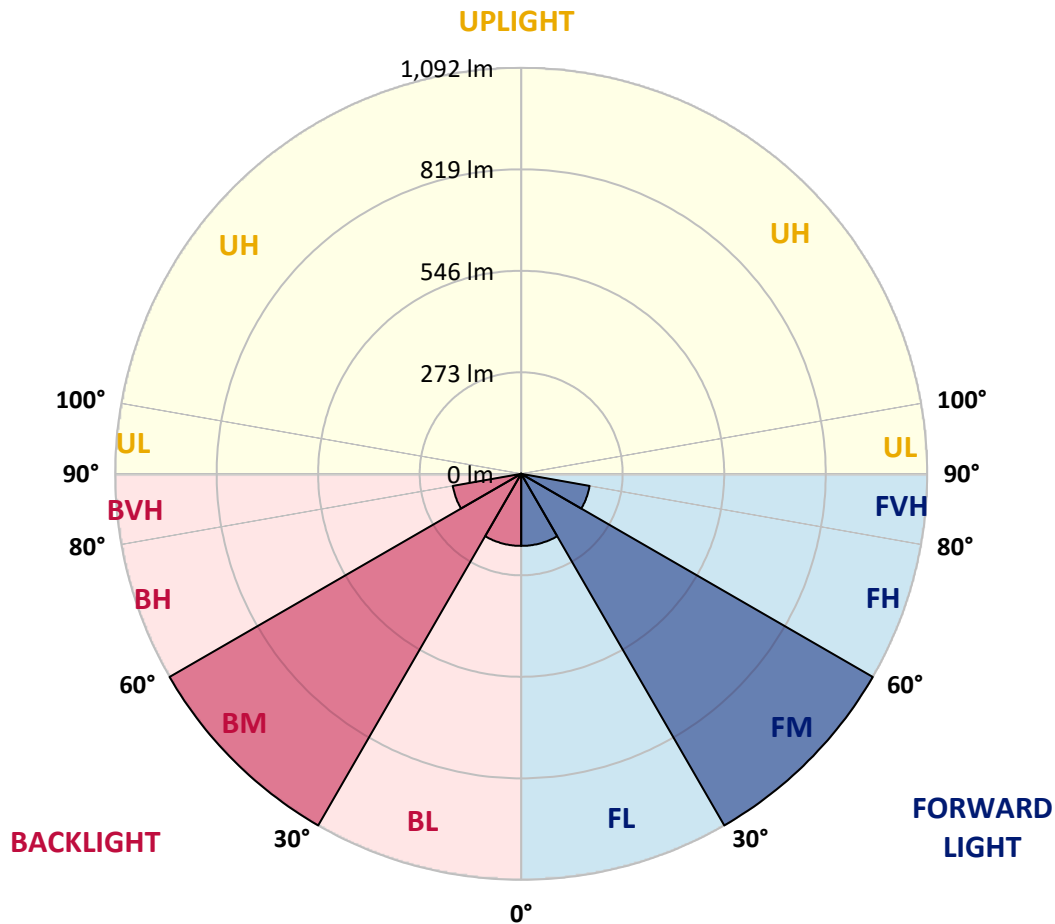
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	193.8	6.6			
FM	(30°-60°)	1091.6	37.0			
FH	(60°-80°)	186.8	6.3			G0/660
FVH	(80°-90°)	1.8	0.1			G0/10
BL	(0°-30°)	193.8	6.6	B1/500		
BM	(30°-60°)	1091.6	37.0	B2/2500		
BH	(60°-80°)	186.8	6.3	B1/500		G0/660
BVH	(80°-90°)	1.8	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°	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3	457.3
2.5°	456.0	458.5	455.4	454.2	453.6	453.6	451.7	451.7	451.1	451.7	449.3
5°	448.7	451.1	451.1	450.5	446.8	446.2	444.4	443.1	443.7	441.3	443.1
7.5°	441.3	443.1	440.7	440.1	438.8	436.4	435.8	430.2	430.8	430.8	432.1
10°	440.1	439.4	435.8	432.7	429.0	428.4	426.5	425.3	425.3	424.7	426.5
12.5°	440.1	437.0	436.4	429.6	423.5	425.9	421.0	417.9	422.2	423.5	425.9
15°	439.4	442.5	432.1	429.0	424.7	425.3	421.0	417.9	420.4	421.6	423.5
17.5°	443.1	441.3	438.2	432.1	430.2	427.8	422.2	419.8	419.8	422.8	423.5
20°	453.0	448.0	441.9	438.8	440.7	437.6	430.8	421.6	424.1	426.5	428.4
22.5°	462.2	458.5	454.2	452.3	462.8	457.9	446.2	435.8	432.1	436.4	439.4
25°	480.0	480.0	472.0	474.5	486.2	486.8	473.2	454.8	452.3	454.2	455.4
27.5°	516.3	518.1	511.4	513.8	518.7	523.0	511.4	496.0	490.5	489.8	491.7
30°	555.6	559.3	558.7	569.1	583.3	585.7	568.5	543.3	526.7	523.6	526.1
32.5°	607.2	609.1	607.8	620.1	658.2	676.1	631.2	595.6	573.4	579.0	573.4
35°	704.3	702.5	689.0	691.4	722.8	735.7	692.7	669.9	659.5	670.5	668.1
37.5°	787.9	781.2	770.1	786.1	818.7	830.3	785.5	745.5	726.5	744.9	752.9
40°	858.6	841.4	826.0	842.0	885.6	901.6	835.9	803.3	795.9	809.4	826.6
42.5°	918.2	907.2	886.9	888.1	917.0	924.4	871.5	852.5	845.1	866.6	875.2
45°	960.6	950.2	931.1	929.9	952.0	947.1	899.8	886.9	891.2	905.3	909.6
47.5°	982.1	987.7	976.6	979.7	991.4	979.7	942.2	942.2	932.4	941.0	936.7
50°	1044.2	1027.0	1041.1	1041.1	1053.4	1054.7	1017.2	1003.6	977.2	962.5	962.5
52.5°	1116.7	1118.0	1123.5	1143.8	1164.7	1182.5	1129.0	1071.3	1027.0	1008.0	1005.5
55°	1176.4	1188.6	1210.8	1248.9	1309.1	1333.7	1241.5	1138.2	1084.2	1054.7	1048.5
56°	1208.9	1197.2	1235.4	1287.6	1366.3	1398.2	1259.9	1151.8	1092.2	1059.0	1058.3
57.5°	1177.6	1190.5	1216.9	1299.3	1395.8	1437.6	1266.7	1145.6	1060.2	1026.4	1029.5
60°	929.9	942.2	977.8	1070.0	1221.2	1253.8	1071.9	944.6	868.4	819.9	820.5
62.5°	526.1	535.3	563.0	648.4	742.4	773.8	668.1	583.3	530.4	503.4	494.8
65°	193.6	189.9	194.2	237.9	295.6	322.1	277.8	234.8	207.1	197.3	193.6
67.5°	72.5	67.0	62.7	67.0	84.2	89.1	81.7	68.2	63.9	65.8	67.0
70°	44.9	42.4	33.8	32.0	31.3	30.7	32.6	34.4	39.3	46.1	47.3
72.5°	31.3	29.5	24.0	22.7	21.5	20.9	24.0	26.4	30.7	35.6	36.3
75°	12.3	12.9	12.3	13.5	14.1	14.8	17.2	19.1	20.9	20.9	20.3
77.5°	2.5	2.5	3.7	4.9	6.1	8.0	11.7	13.5	14.1	13.5	11.7
80°	0.0	0.0	1.2	2.5	4.9	6.8	10.4	11.7	12.9	11.7	9.2
82.5°	0.0	0.0	1.2	3.1	4.9	6.1	9.8	12.3	14.1	12.9	9.8
85°	0.0	0.0	1.2	2.5	3.7	4.3	4.3	3.1	3.1	1.8	1.2
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)