

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: P646709

Luminaire Tested: **GALN-SA1C-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P646709
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-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3500K, 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: 2905.7 lumens
Efficiency: N/A
Efficacy: 51.0 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

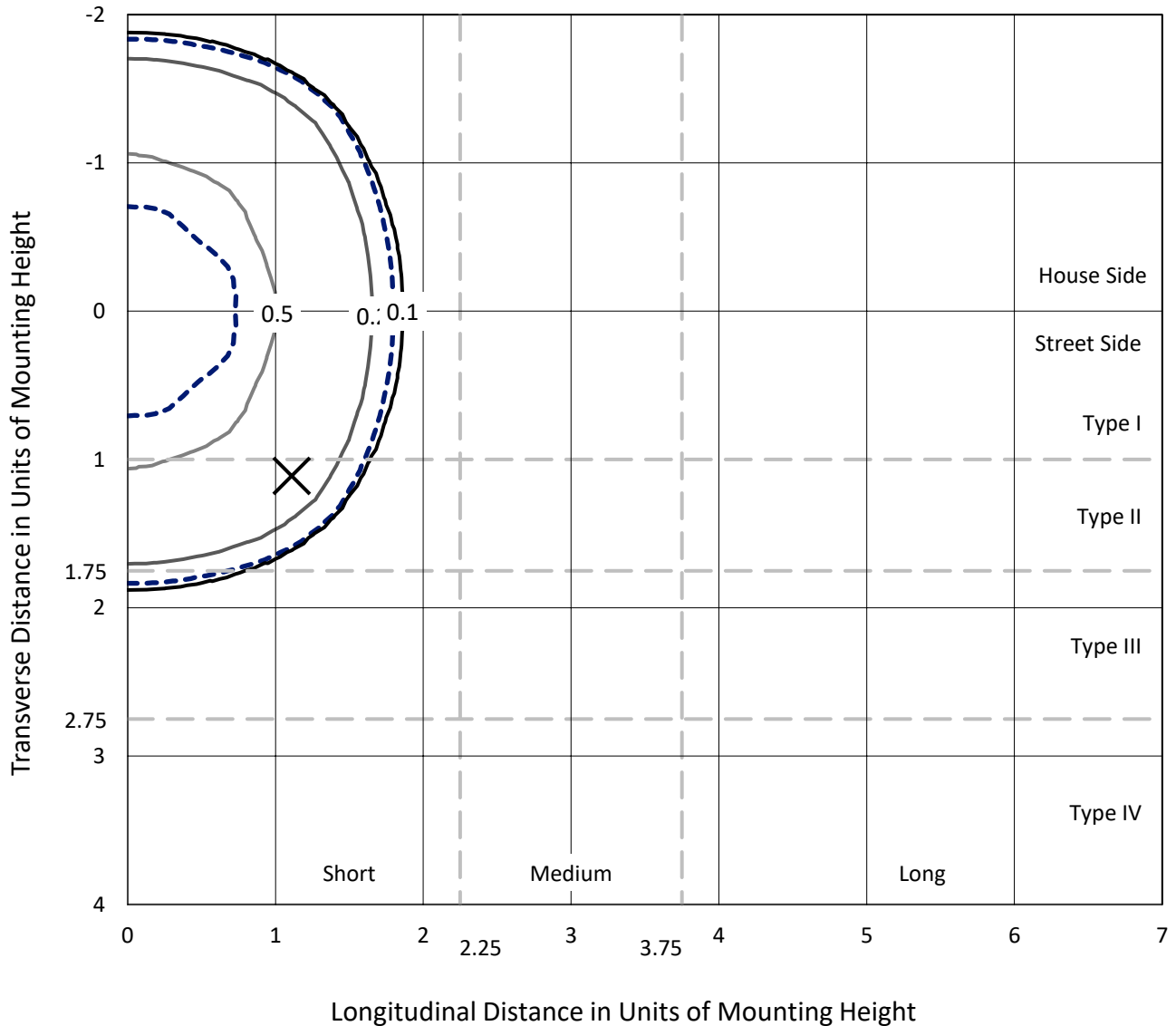
Input Watts (W): 57
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

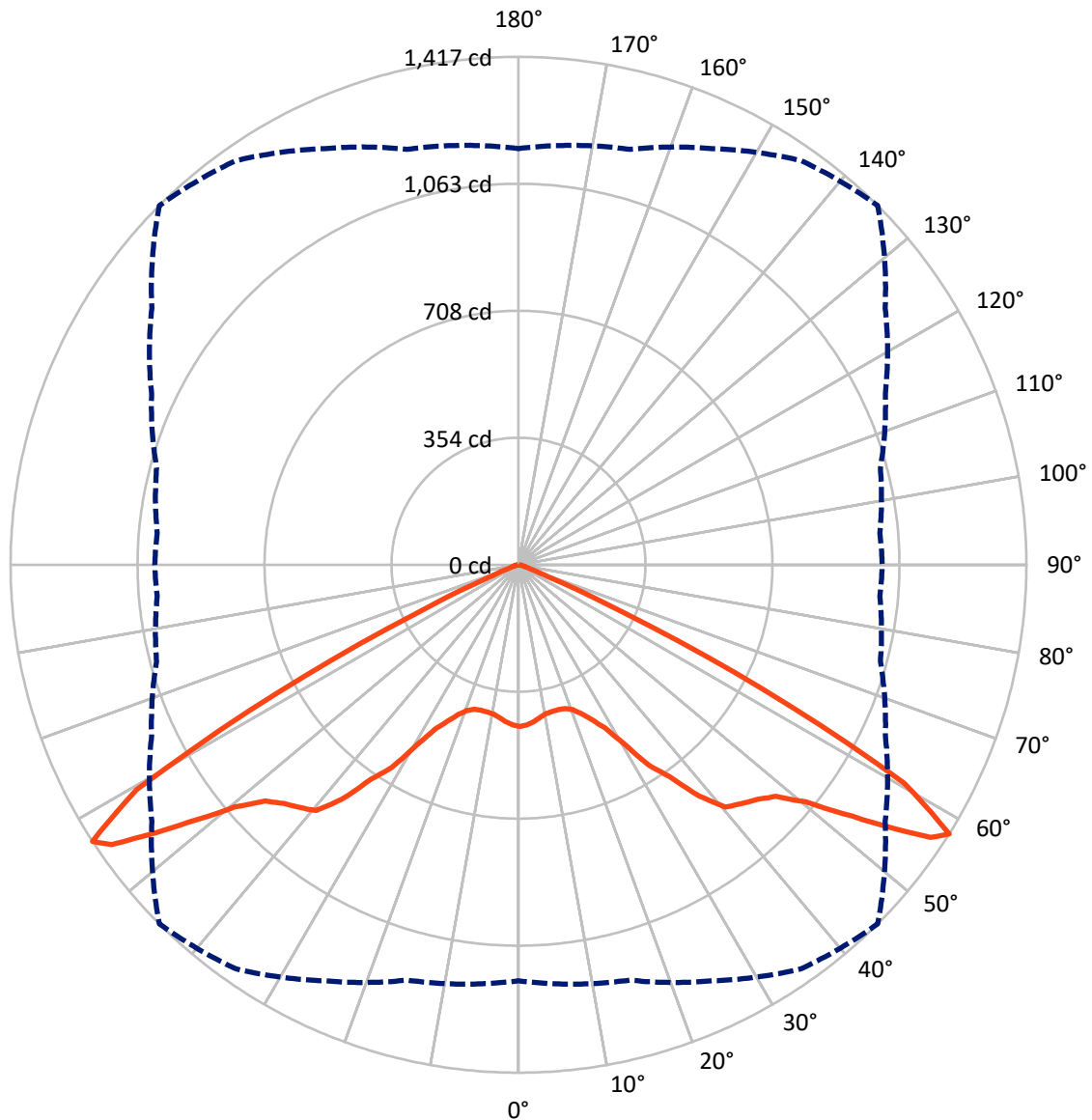
× Max cd
 - - - 1/2 Max cd



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



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1452.9	0.0	1452.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1452.9	0.0	1452.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2905.7	0.0	2905.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	41.4	1.4
10°-20°	119.7	4.1
20°-30°	221.0	7.6
30°-40°	434.6	15.0
40°-50°	707.8	24.4
50°-60°	1009.4	34.7
60°-70°	349.5	12.0
70°-80°	18.7	0.6
80°-90°	3.5	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°	2905.7	100.0
0°-180°	2905.7	100.0

Coefficient of Utilization



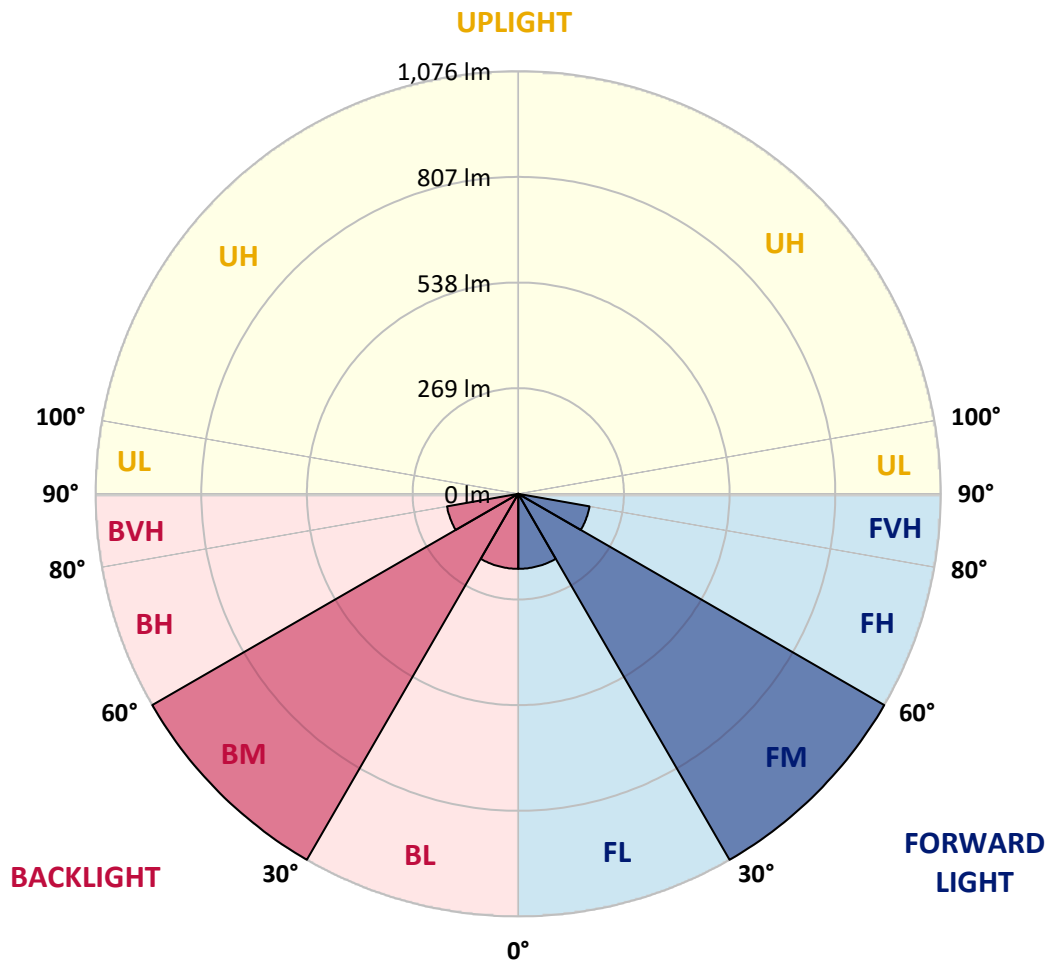
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	191.1	6.6			
FM (30°-60°)	1075.9	37.0			
FH (60°-80°)	184.1	6.3			G0/660
FVH (80°-90°)	1.8	0.1			G0/10
BL (0°-30°)	191.1	6.6	B1/500		
BM (30°-60°)	1075.9	37.0	B2/2500		
BH (60°-80°)	184.1	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°	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7	450.7
2.5°	449.5	451.9	448.9	447.6	447.1	447.1	445.3	445.3	444.7	445.3	442.9
5°	442.2	444.7	444.7	444.0	440.4	439.8	438.0	436.8	437.4	435.0	436.8
7.5°	435.0	436.8	434.3	433.8	432.5	430.1	429.5	424.1	424.6	424.6	425.9
10°	433.8	433.2	429.5	426.5	422.8	422.3	420.4	419.2	419.2	418.6	420.4
12.5°	433.8	430.7	430.1	423.4	417.4	419.8	415.0	411.9	416.2	417.4	419.8
15°	433.2	436.1	425.9	422.8	418.6	419.2	415.0	411.9	414.4	415.5	417.4
17.5°	436.8	435.0	431.9	425.9	424.1	421.6	416.2	413.7	413.7	416.8	417.4
20°	446.5	441.6	435.6	432.5	434.3	431.4	424.6	415.5	418.0	420.4	422.3
22.5°	455.5	451.9	447.6	445.8	456.2	451.3	439.8	429.5	425.9	430.1	433.2
25°	473.1	473.1	465.3	467.7	479.2	479.8	466.4	448.3	445.8	447.6	448.9
27.5°	508.9	510.7	504.0	506.4	511.3	515.5	504.0	488.9	483.4	482.8	484.6
30°	547.6	551.2	550.7	560.9	574.9	577.3	560.4	535.5	519.1	516.2	518.6
32.5°	598.5	600.3	599.2	611.2	648.8	666.3	622.2	587.0	565.2	570.7	565.2
35°	694.2	692.4	679.1	681.5	712.4	725.1	682.7	660.3	650.0	660.9	658.5
37.5°	776.7	769.9	759.0	774.8	806.9	818.4	774.2	734.8	716.1	734.2	742.1
40°	846.3	829.4	814.2	829.9	873.0	888.7	823.9	791.8	784.5	797.8	814.8
42.5°	905.1	894.1	874.1	875.4	903.8	911.1	859.0	840.2	833.0	854.2	862.6
45°	946.9	936.5	917.8	916.6	938.3	933.5	886.9	874.1	878.4	892.3	896.5
47.5°	968.0	973.5	962.6	965.6	977.1	965.6	928.6	928.6	919.0	927.5	923.2
50°	1029.3	1012.3	1026.2	1026.2	1038.3	1039.5	1002.6	989.2	963.2	948.7	948.7
52.5°	1100.7	1101.9	1107.4	1127.4	1148.0	1165.6	1112.8	1055.9	1012.3	993.5	991.0
55°	1159.5	1171.6	1193.4	1231.0	1290.3	1314.6	1223.7	1121.9	1068.6	1039.5	1033.5
56°	1191.6	1180.1	1217.6	1269.2	1346.7	1378.2	1241.8	1135.3	1076.5	1043.7	1043.2
57.5°	1160.7	1173.4	1199.5	1280.7	1375.7	1416.9	1248.5	1129.2	1045.0	1011.6	1014.7
60°	916.6	928.6	963.8	1054.7	1203.7	1235.8	1056.5	931.1	856.0	808.1	808.8
62.5°	518.6	527.7	554.9	639.1	731.8	762.7	658.5	574.9	522.8	496.1	487.7
65°	190.8	187.2	191.4	234.4	291.4	317.4	273.8	231.4	204.1	194.5	190.8
67.5°	71.5	66.0	61.8	66.0	83.0	87.9	80.6	67.3	63.0	64.8	66.0
70°	44.2	41.8	33.4	31.5	30.9	30.3	32.1	33.9	38.8	45.4	46.7
72.5°	30.9	29.0	23.6	22.4	21.2	20.6	23.6	26.1	30.3	35.2	35.7
75°	12.1	12.7	12.1	13.3	13.9	14.6	17.0	18.8	20.6	20.6	20.0
77.5°	2.4	2.4	3.6	4.9	6.0	7.9	11.5	13.3	13.9	13.3	11.5
80°	0.0	0.0	1.2	2.4	4.9	6.7	10.3	11.5	12.7	11.5	9.1
82.5°	0.0	0.0	1.2	3.1	4.9	6.0	9.7	12.1	13.9	12.7	9.7
85°	0.0	0.0	1.2	2.4	3.6	4.2	4.2	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)