

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: P450235

Luminaire Tested: **GALN-SA1A-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450235
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-5)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1A-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4207 lumens
Efficiency: N/A
Efficacy: 127.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type I - Short
BUG Rating: B2 - U0 - G2

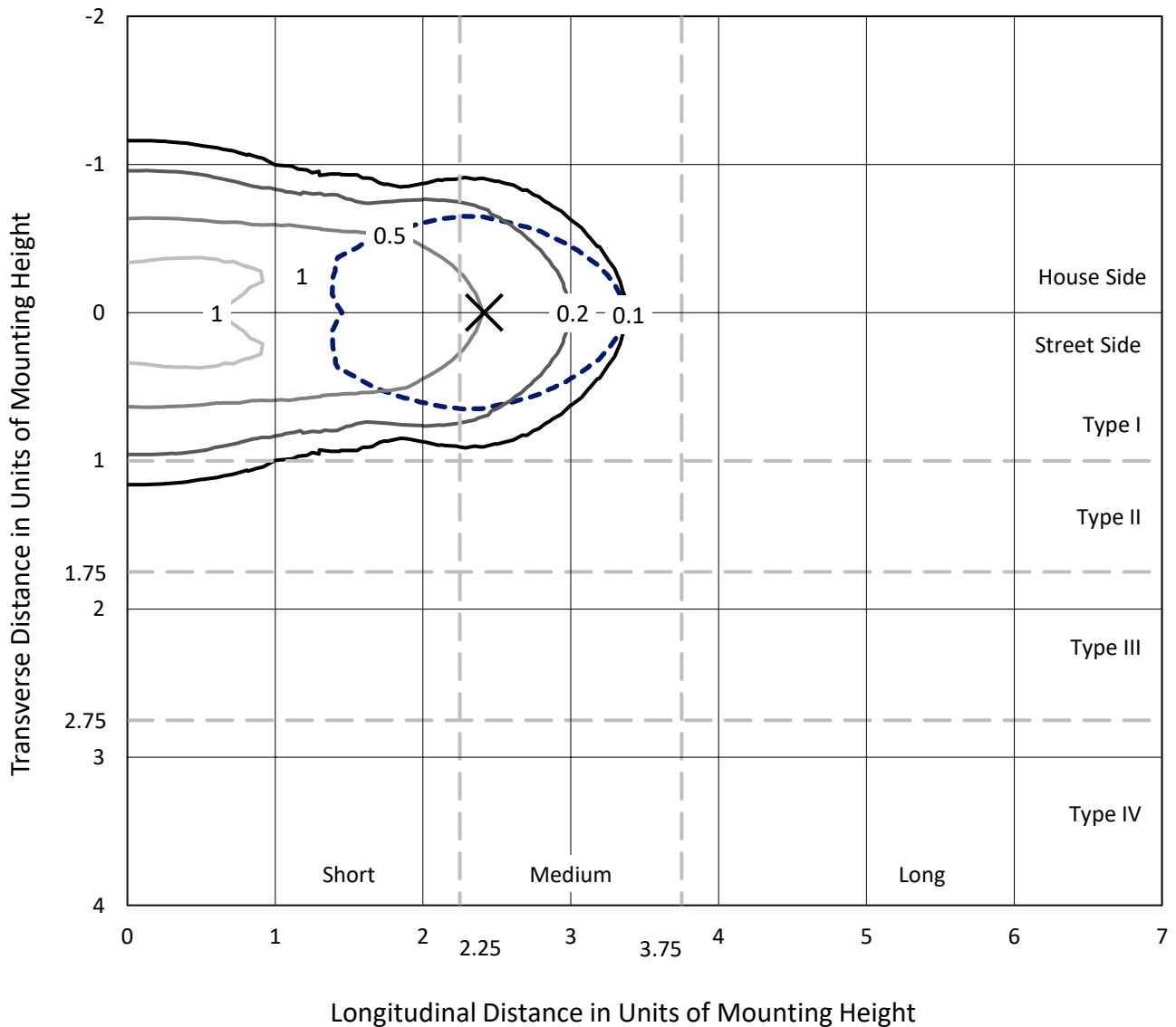
Input Watts (W): 33
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450235
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Iso-Footcandle Lines of Horizontal Illumination

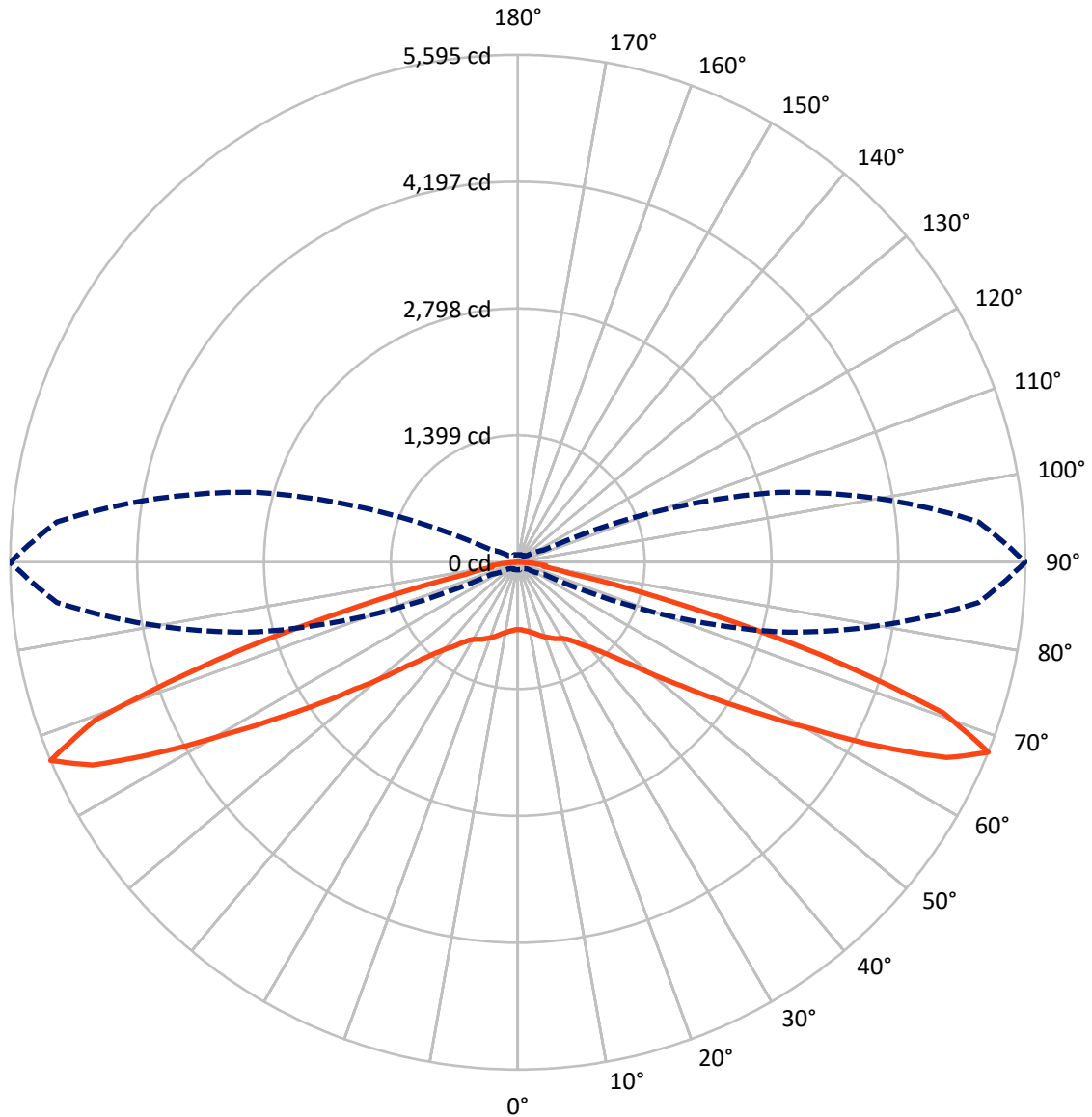
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type I - Short - N/A

REPORT NUMBER: P450235
CATALOG NUMBER: GALN-SA1A-730-U-T1

Luminous Intensity Polar Plot



— Vertical Plane Through 90-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2103.5	0.0	2103.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2103.5	0.0	2103.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4207.0	0.0	4207.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	1.8
10°-20°	237.6	5.6
20°-30°	397.6	9.5
30°-40°	538.7	12.8
40°-50°	682.3	16.2
50°-60°	852.4	20.3
60°-70°	1002.0	23.8
70°-80°	383.3	9.1
80°-90°	38.8	0.9
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°	4207.0	100.0
0°-180°	4207.0	100.0

Coefficient of Utilization



REPORT NUMBER: P450235

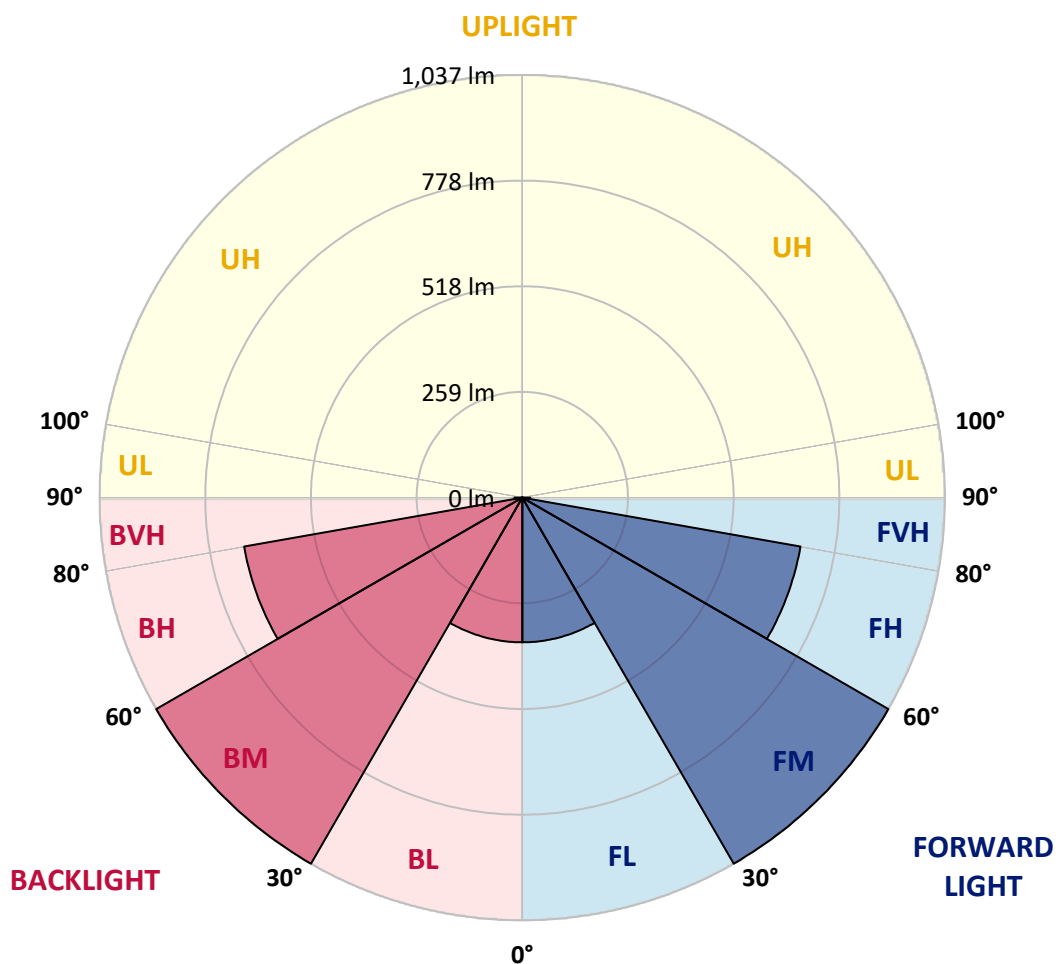
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.7	8.4			
FM (30°-60°)	1036.7	24.6			
FH (60°-80°)	692.6	16.5			G1/1800
FVH (80°-90°)	19.4	0.5			G1/100
BL (0°-30°)	354.7	8.4	B1/500		
BM (30°-60°)	1036.7	24.6	B2/2500		
BH (60°-80°)	692.6	16.5	B2/1000		G2/1000
BVH (80°-90°)	19.4	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	754.3	753.9	754.1	753.9	754.6	754.1	751.3	749.0	747.1	747.3	746.6
5°	770.4	770.6	770.9	769.7	771.3	770.4	766.0	762.2	758.5	757.1	756.7
7.5°	783.7	784.8	785.5	786.7	789.5	789.5	787.2	781.8	773.7	769.0	768.8
10°	797.0	797.9	800.0	803.7	808.4	812.8	811.9	804.6	794.2	786.2	784.4
12.5°	801.6	802.8	809.8	820.5	831.0	839.6	839.6	833.8	820.2	808.1	804.6
15°	785.3	787.4	800.0	822.8	850.3	869.2	873.4	865.2	850.8	832.1	827.9
17.5°	752.9	758.0	776.5	810.2	855.9	895.0	907.1	903.2	884.5	860.8	855.9
20°	718.2	723.8	743.4	788.1	851.2	910.2	945.3	946.3	923.2	888.7	881.5
22.5°	680.0	684.2	709.4	761.8	837.3	913.7	978.2	994.3	963.1	916.7	906.4
25°	637.1	641.8	668.1	724.7	810.9	909.7	1008.2	1043.7	1004.8	946.5	933.5
27.5°	596.1	598.0	626.2	683.7	776.2	899.5	1030.4	1089.1	1050.9	971.2	954.7
30°	556.8	561.2	586.1	643.0	736.4	879.4	1049.5	1140.8	1100.5	997.1	975.9
32.5°	515.1	520.4	547.5	605.0	696.5	849.4	1061.1	1197.4	1169.7	1039.0	1016.4
35°	475.0	478.5	505.8	561.7	657.6	814.4	1063.2	1261.2	1258.9	1102.6	1072.5
37.5°	434.0	439.1	466.6	520.2	616.4	777.4	1052.7	1329.0	1366.5	1190.9	1158.5
40°	394.6	399.1	426.1	480.1	569.6	732.2	1027.8	1391.0	1492.1	1281.7	1235.8
42.5°	351.8	352.9	382.5	437.5	523.7	679.8	991.9	1446.2	1632.1	1403.6	1346.5
45°	303.1	306.1	333.6	387.6	471.0	621.1	943.3	1491.9	1809.6	1572.5	1494.7
47.5°	254.4	257.0	282.1	335.5	413.5	553.7	868.2	1531.9	1991.8	1787.0	1685.0
50°	206.9	208.3	228.8	276.1	348.7	482.9	775.3	1544.8	2197.7	2090.8	1960.6
52.5°	163.5	165.6	181.2	218.3	279.6	399.3	674.9	1513.1	2438.1	2451.0	2267.4
55°	132.6	133.3	144.9	172.2	218.5	311.7	553.7	1424.8	2696.7	2912.5	2678.3
57.5°	114.1	114.6	121.1	136.3	168.2	235.1	429.6	1257.7	2929.0	3453.2	3152.2
60°	103.7	103.9	107.6	116.5	133.3	180.3	307.7	1022.0	3158.2	4054.9	3741.1
62.5°	97.1	97.1	99.7	104.6	112.8	138.4	222.9	737.3	3315.2	4665.5	4467.0
65°	90.9	90.9	92.7	96.2	100.6	113.2	164.7	480.8	3311.3	5110.2	5197.1
67.5°	83.6	83.6	85.0	88.5	91.1	97.4	127.2	315.0	2974.4	5100.4	5595.4
70°	75.0	75.0	76.9	79.9	82.0	86.0	100.4	215.5	2185.2	4354.9	4976.2
72.5°	66.4	66.6	67.8	70.8	72.5	74.8	83.4	151.0	1340.4	2965.3	3479.5
75°	56.8	57.3	58.5	61.5	62.9	63.8	70.4	107.6	678.1	1598.8	1820.3
77.5°	45.9	46.8	47.5	50.8	51.7	53.1	58.0	77.8	297.7	574.5	579.6
80°	33.5	34.7	36.8	39.8	40.5	41.5	44.3	55.2	134.9	262.3	284.9
82.5°	24.7	26.3	23.8	27.7	27.7	26.6	31.2	37.0	62.0	259.7	310.8
85°	13.5	13.7	12.3	14.2	15.1	14.9	16.5	18.2	30.1	173.3	178.7
87.5°	3.3	3.5	3.7	4.4	5.4	5.4	5.8	5.1	9.8	56.1	32.1
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)