

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: P455107

Luminaire Tested: **GALN-SA6B-730-U-T1**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P455107
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-SA6B-730-U-T1
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 30675 lumens
Efficiency: N/A
Efficacy: 126.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

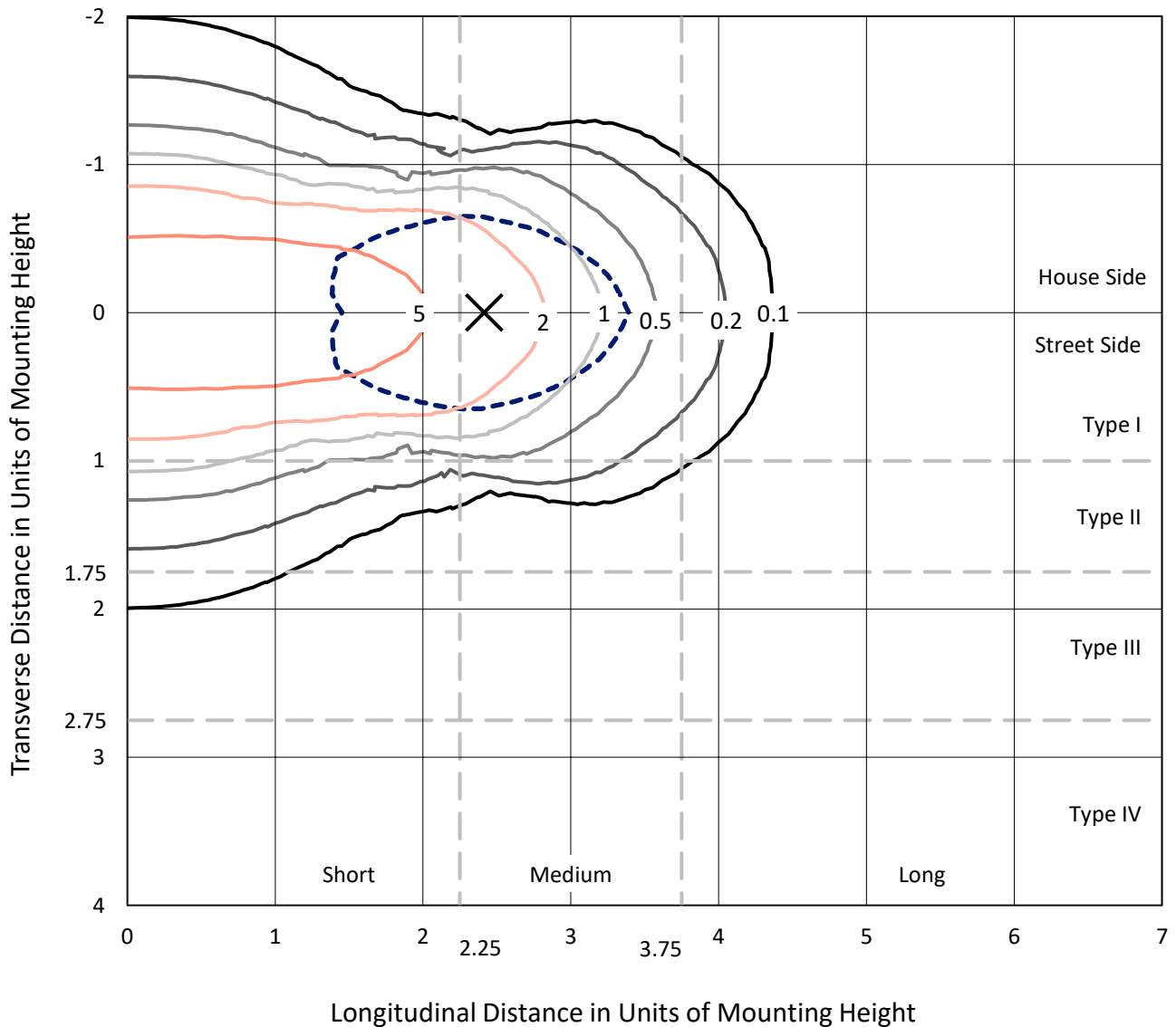
Input Watts (W): 243
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

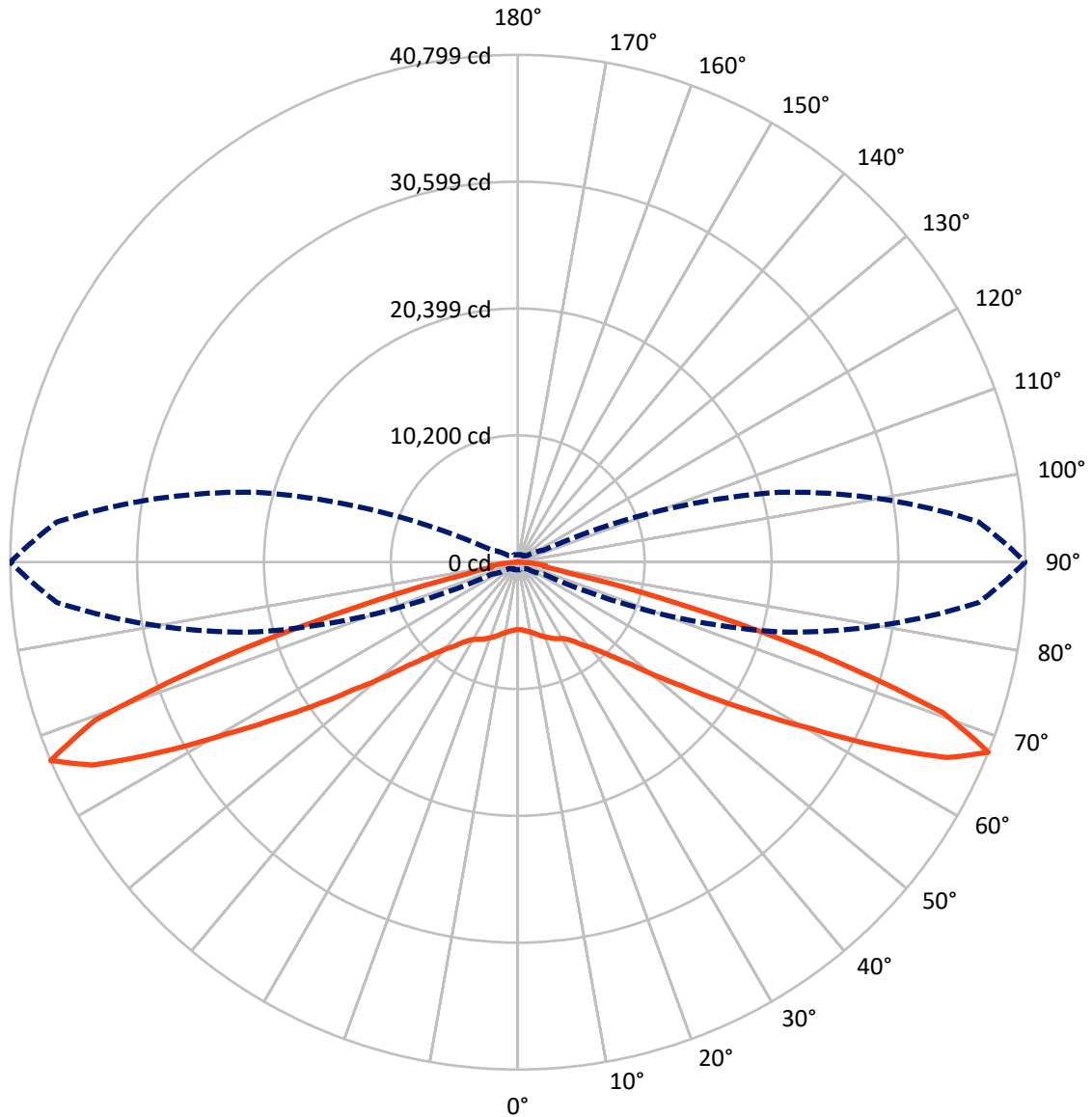
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 fc
 Type I - Short - N/A

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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	15337.5	0.0	15337.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15337.5	0.0	15337.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30675.0	0.0	30675.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	541.4	1.8
10°-20°	1732.2	5.6
20°-30°	2899.3	9.5
30°-40°	3927.8	12.8
40°-50°	4975.2	16.2
50°-60°	6215.3	20.3
60°-70°	7305.8	23.8
70°-80°	2794.8	9.1
80°-90°	283.1	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°	30675.0	100.0
0°-180°	30675.0	100.0



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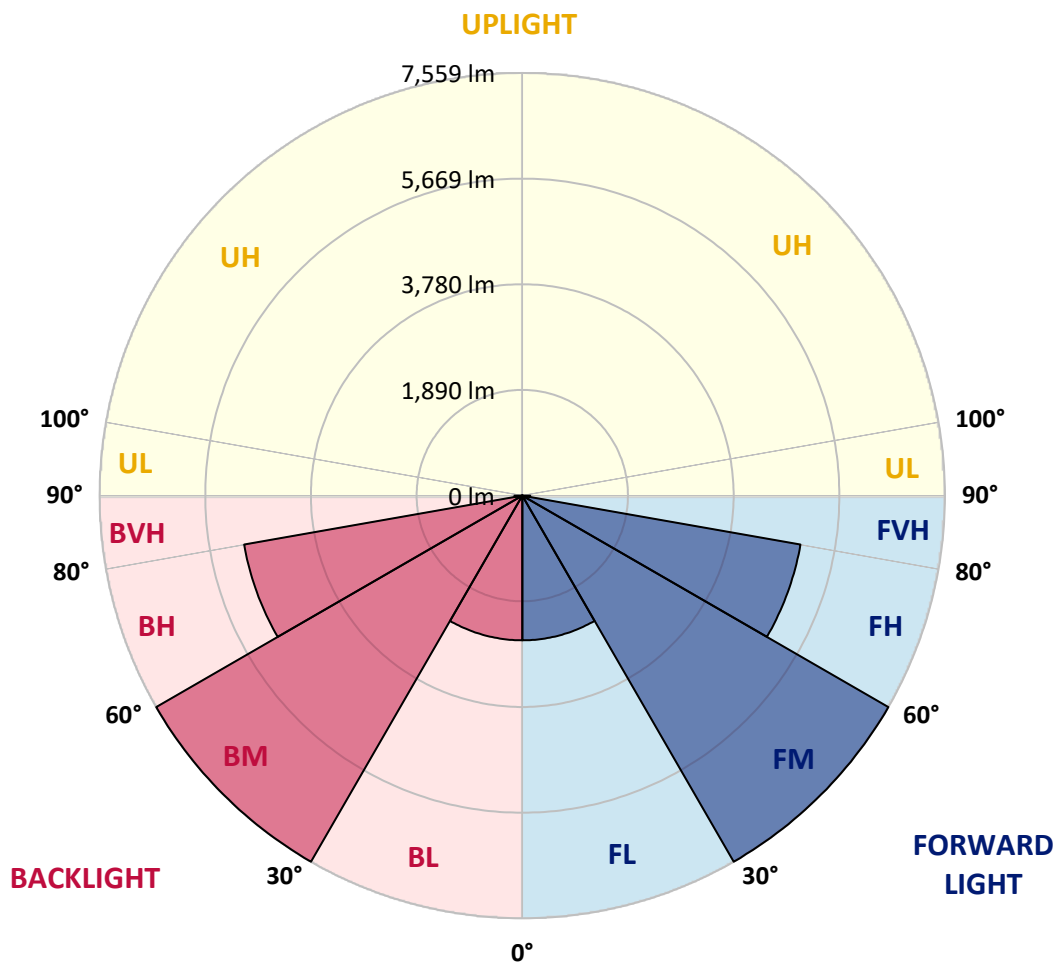
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2586.5	8.4			
FM (30°-60°)	7559.2	24.6			
FH (60°-80°)	5050.3	16.5			G3/7500
FVH (80°-90°)	141.6	0.5			G2/225
BL (0°-30°)	2586.5	8.4	B4/5000		
BM (30°-60°)	7559.2	24.6	B4/8500		
BH (60°-80°)	5050.3	16.5	B5		G5
BVH (80°-90°)	141.6	0.5			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type I Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4	5430.4
2.5°	5500.1	5496.7	5498.4	5496.7	5501.8	5498.4	5478.0	5461.0	5447.4	5449.1	5444.0
5°	5617.3	5619.0	5620.7	5612.2	5624.1	5617.3	5585.0	5557.8	5530.6	5520.5	5517.1
7.5°	5714.1	5722.6	5727.7	5736.2	5756.6	5756.6	5739.6	5700.5	5641.1	5607.1	5605.4
10°	5810.9	5817.7	5833.0	5860.2	5894.1	5926.4	5919.6	5867.0	5790.5	5732.8	5719.2
12.5°	5844.9	5853.4	5904.3	5982.5	6058.9	6121.8	6121.8	6079.3	5980.8	5892.4	5867.0
15°	5726.0	5741.3	5833.0	5999.5	6199.9	6337.5	6368.1	6308.6	6203.3	6067.4	6036.8
17.5°	5489.9	5527.3	5661.4	5907.7	6240.7	6526.0	6614.4	6585.5	6449.6	6276.3	6240.7
20°	5236.8	5277.6	5420.2	5746.4	6206.7	6636.4	6892.9	6899.7	6731.6	6480.2	6427.5
22.5°	4958.2	4988.8	5172.2	5554.4	6104.8	6661.9	7132.4	7249.6	7022.0	6684.0	6609.3
25°	4645.7	4679.6	4871.6	5284.4	5912.8	6633.0	7351.5	7609.7	7326.1	6901.4	6806.3
27.5°	4346.7	4360.3	4565.8	4985.4	5659.7	6558.3	7512.9	7941.0	7662.4	7081.5	6960.9
30°	4059.7	4091.9	4273.7	4688.1	5369.3	6412.2	7652.2	8318.1	8024.2	7270.0	7115.4
32.5°	3755.6	3794.7	3991.7	4411.3	5078.8	6193.1	7737.1	8730.8	8528.7	7575.8	7411.0
35°	3463.4	3488.9	3687.7	4095.3	4795.2	5938.3	7752.4	9196.2	9179.2	8039.5	7820.4
37.5°	3164.5	3201.9	3402.3	3793.0	4494.5	5668.2	7676.0	9690.5	9964.0	8683.3	8447.1
40°	2877.4	2909.7	3106.7	3500.8	4153.1	5338.7	7494.2	10142.4	10879.5	9345.7	9011.1
42.5°	2564.9	2573.4	2789.1	3190.0	3818.5	4956.5	7232.6	10544.9	11900.4	10234.1	9817.9
45°	2209.9	2232.0	2432.4	2826.5	3434.6	4528.5	6877.6	10877.8	13194.7	11465.6	10898.2
47.5°	1854.9	1873.6	2057.0	2446.0	3015.0	4037.6	6330.7	11170.0	14523.0	13030.0	12286.0
50°	1508.4	1518.6	1668.0	2012.8	2542.8	3521.2	5652.9	11263.4	16024.6	15245.0	14295.4
52.5°	1192.4	1207.7	1321.5	1591.6	2038.3	2911.4	4920.8	11032.4	17777.6	17871.0	16532.5
55°	966.5	971.6	1056.5	1255.3	1593.3	2272.7	4037.6	10388.6	19663.0	21235.9	19528.8
57.5°	832.3	835.7	883.3	993.7	1226.4	1713.9	3132.2	9170.8	21356.5	25178.4	22983.8
60°	755.9	757.6	784.8	849.3	971.6	1314.7	2243.9	7451.8	23027.9	29565.9	27277.8
62.5°	708.3	708.3	727.0	762.7	822.1	1009.0	1625.6	5376.1	24172.8	34017.9	32570.7
65°	662.5	662.5	676.0	701.5	733.8	825.5	1200.9	3505.9	24143.9	37260.5	37894.1
67.5°	609.8	609.8	620.0	645.5	664.2	710.0	927.4	2296.5	21687.7	37189.2	40798.7
70°	546.9	546.9	560.5	582.6	597.9	626.8	732.1	1571.2	15932.9	31753.7	36283.8
72.5°	484.1	485.8	494.3	516.4	528.3	545.3	608.1	1100.7	9773.8	21621.5	25370.3
75°	414.5	417.9	426.3	448.4	458.6	465.4	513.0	784.8	4944.6	11657.5	13272.9
77.5°	334.6	341.4	346.5	370.3	377.1	387.3	423.0	567.3	2170.8	4188.8	4226.1
80°	244.6	253.1	268.4	290.5	295.6	302.4	322.7	402.6	983.5	1912.6	2077.4
82.5°	180.1	191.9	173.3	202.1	202.1	193.6	227.6	270.1	451.8	1893.9	2265.9
85°	98.5	100.2	90.0	103.6	110.4	108.7	120.6	132.5	219.1	1263.8	1302.8
87.5°	23.8	25.5	27.2	32.3	39.1	39.1	42.5	37.4	71.3	409.4	234.4
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)