

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: P531370

Luminaire Tested: **GALN-SA6C-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531370
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA6C-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29840 lumens
Efficiency: N/A
Efficacy: 93.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 321
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



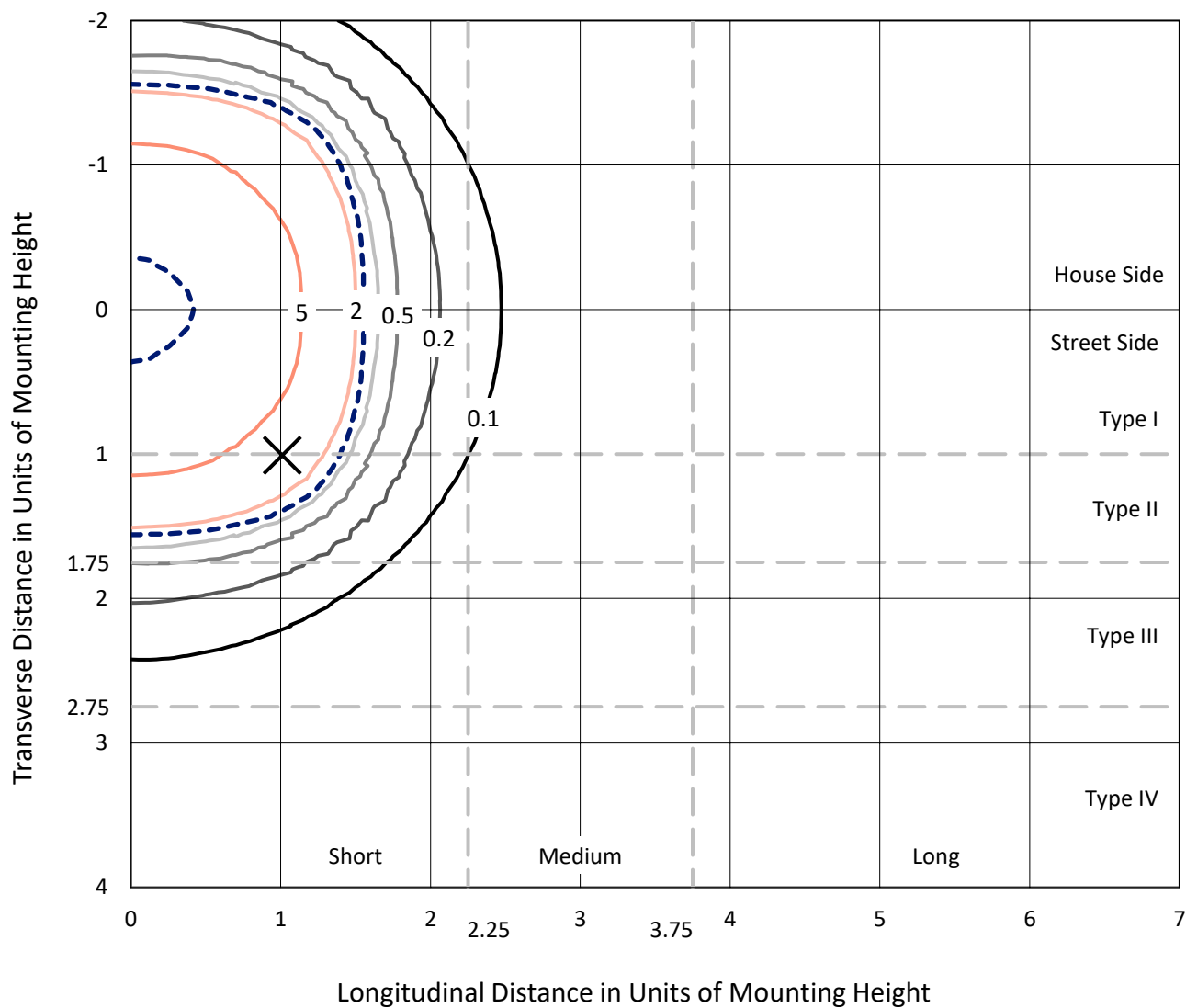
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd



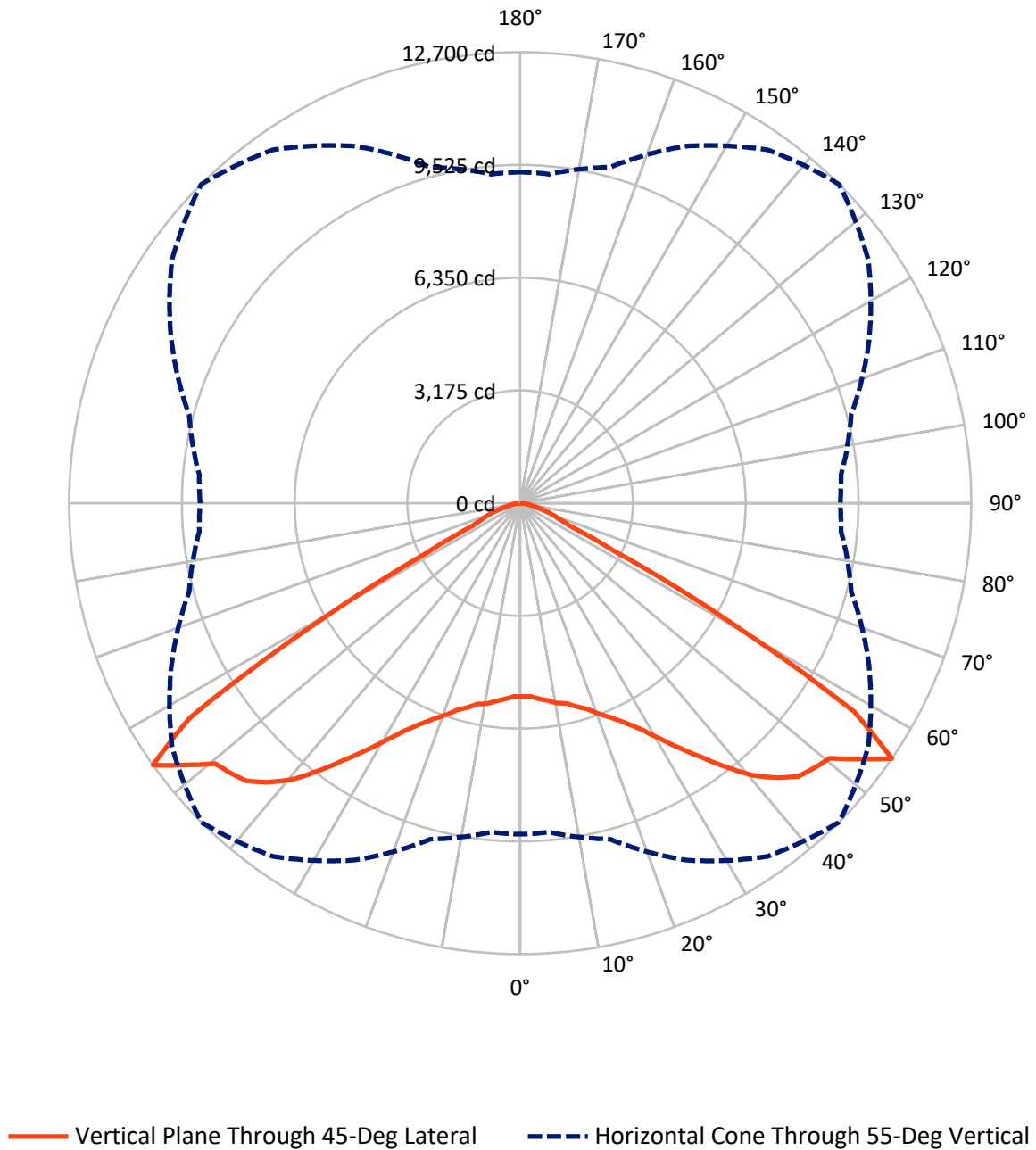
Based on 25 foot mounting height. Maximum calculated value = 8.7 fc

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	14920.0	0.0	14920.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14920.0	0.0	14920.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29840.0	0.0	29840.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	532.2	1.8
10°-20°	1686.4	5.7
20°-30°	3144.7	10.5
30°-40°	5265.2	17.6
40°-50°	8193.1	27.5
50°-60°	8507.0	28.5
60°-70°	1804.1	6.0
70°-80°	594.1	2.0
80°-90°	113.1	0.4
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°	29840.0	100.0
0°-180°	29840.0	100.0

Coefficient of Utilization



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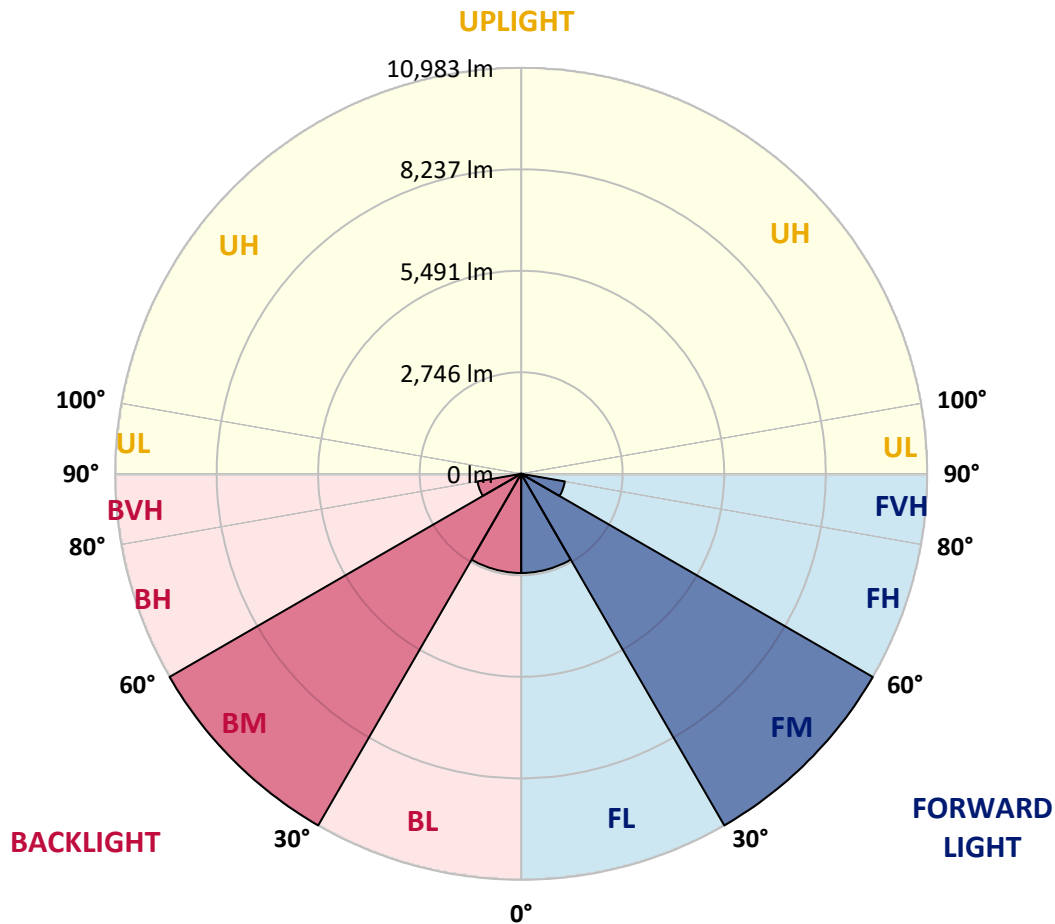
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2681.7	9.0			
FM	(30°-60°)	10982.6	36.8			
FH	(60°-80°)	1199.1	4.0			G1/1800
FVH	(80°-90°)	56.6	0.2			G1/100
BL	(0°-30°)	2681.7	9.0	B4/5000		
BM	(30°-60°)	10982.6	36.8	B5		
BH	(60°-80°)	1199.1	4.0	B3/2500		G1/1800
BVH	(80°-90°)	56.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3	5448.3
2.5°	5513.2	5488.0	5444.7	5477.2	5502.4	5448.3	5470.0	5480.8	5473.6	5444.7	5455.6
5°	5592.6	5578.1	5542.1	5567.3	5534.9	5534.9	5513.2	5484.4	5527.7	5520.5	5538.5
7.5°	5592.6	5574.5	5646.7	5599.8	5614.2	5614.2	5578.1	5549.3	5570.9	5538.5	5520.5
10°	5704.3	5729.6	5697.1	5708.0	5700.7	5726.0	5671.9	5653.9	5635.8	5625.0	5603.4
12.5°	5837.8	5819.7	5830.6	5823.3	5848.6	5783.7	5751.2	5711.6	5744.0	5697.1	5729.6
15°	5945.9	5935.1	5945.9	5974.8	5949.5	5945.9	5888.2	5848.6	5798.1	5808.9	5758.4
17.5°	6093.8	6083.0	6086.6	6111.8	6108.2	6090.2	6046.9	5971.2	5953.1	5924.3	5891.9
20°	6313.7	6295.7	6288.5	6299.3	6317.3	6331.8	6245.2	6216.4	6155.1	6108.2	6054.1
22.5°	6501.2	6494.0	6522.9	6476.0	6515.7	6558.9	6476.0	6461.6	6310.1	6284.9	6227.2
25°	6760.8	6750.0	6732.0	6800.5	6847.4	6843.8	6764.4	6685.1	6569.7	6540.9	6540.9
27.5°	7034.9	6973.6	7067.3	7085.4	7168.3	7193.5	7125.0	7009.6	6901.5	6840.2	6854.6
30°	7377.4	7319.7	7341.4	7471.2	7579.4	7673.1	7500.0	7330.6	7179.1	7070.9	7052.9
32.5°	7720.0	7662.3	7727.2	7853.4	8069.7	8210.4	8040.9	7745.2	7568.5	7409.9	7442.3
35°	7997.6	8040.9	8145.5	8336.6	8560.1	8787.3	8516.9	8289.7	8037.3	7860.6	7885.8
37.5°	8444.7	8578.2	8661.1	8881.0	9198.4	9432.7	9151.5	8855.8	8585.4	8354.6	8275.3
40°	9028.9	9119.0	9212.8	9472.4	9847.4	10081.8	9814.9	9429.1	9162.3	8924.3	8913.5
42.5°	9670.7	9757.3	9854.6	10171.9	10395.5	10572.2	10327.0	10121.4	9825.8	9638.3	9627.4
45°	10417.1	10355.8	10464.0	10673.1	10860.6	10976.0	10817.4	10716.4	10503.6	10330.6	10312.5
47.5°	10914.7	10860.6	11055.3	11242.8	11271.7	11145.5	11177.9	11271.7	11048.1	10763.3	10853.4
50°	11203.2	11203.2	11333.0	11506.1	11452.0	11289.7	11545.7	11552.9	11329.4	11077.0	11077.0
52.5°	10702.0	10813.7	11181.5	11747.6	11927.9	11974.8	11917.1	11671.9	11087.8	10572.2	10546.9
55°	9324.6	9299.3	9796.9	11095.0	12144.3	12699.6	11964.0	10835.4	9649.1	9068.5	9010.9
57.5°	6064.9	6093.8	6836.6	8159.9	10052.9	11087.8	9847.4	8260.9	6836.6	6036.1	6111.8
60°	2729.6	2826.9	3277.7	4265.6	5891.9	6735.6	5906.3	4482.0	3439.9	2985.6	3025.3
62.5°	1568.5	1586.5	1604.6	1903.9	2509.6	2967.6	2607.0	2012.0	1774.0	1694.7	1694.7
65°	1323.3	1312.5	1316.1	1341.4	1406.3	1500.0	1460.3	1406.3	1413.5	1406.3	1395.4
67.5°	1125.0	1139.4	1128.6	1146.6	1150.2	1164.7	1189.9	1211.5	1215.1	1222.4	1215.1
70°	923.1	926.7	933.9	948.3	951.9	962.7	998.8	1016.8	1027.6	1027.6	1042.1
72.5°	706.7	703.1	710.3	724.8	742.8	746.4	778.8	804.1	818.5	800.5	804.1
75°	465.1	468.8	479.6	490.4	515.6	540.9	551.7	576.9	580.5	587.7	569.7
77.5°	277.6	284.9	295.7	317.3	338.9	360.6	385.8	403.8	411.1	403.8	382.2
80°	180.3	180.3	194.7	212.7	238.0	256.0	270.4	284.9	295.7	284.9	277.6
82.5°	111.8	111.8	129.8	151.4	169.5	180.3	201.9	220.0	230.8	223.6	212.7
85°	57.7	61.3	75.7	93.8	108.2	115.4	111.8	101.0	90.1	86.5	79.3
87.5°	18.0	18.0	21.6	21.6	18.0	18.0	21.6	18.0	21.6	21.6	21.6
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)