

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: P531474

Luminaire Tested: **GALN-SA6D-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531474
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-SA6D-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 1200mA 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: 38490 lumens
Efficiency: N/A
Efficacy: 104.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

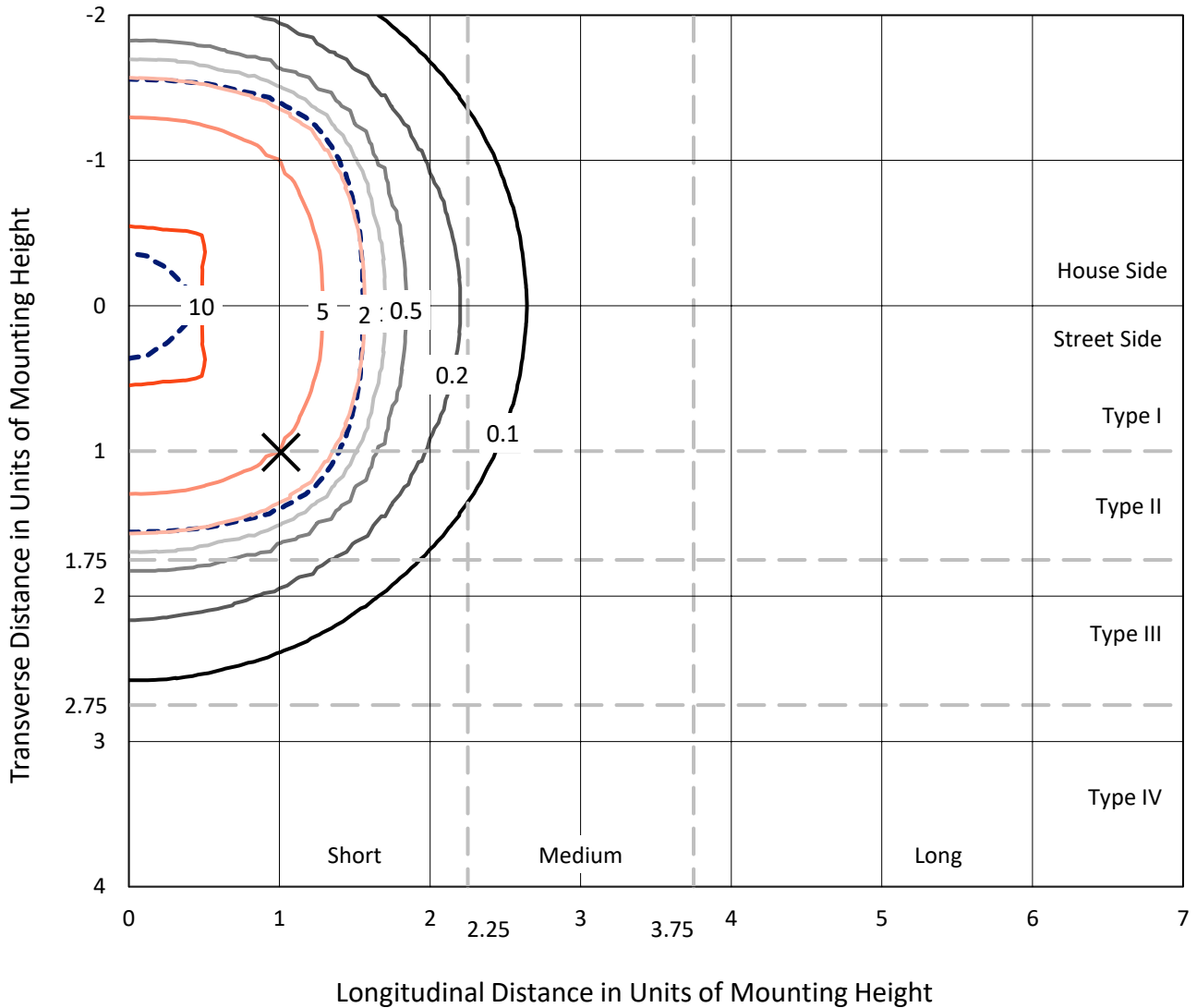
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

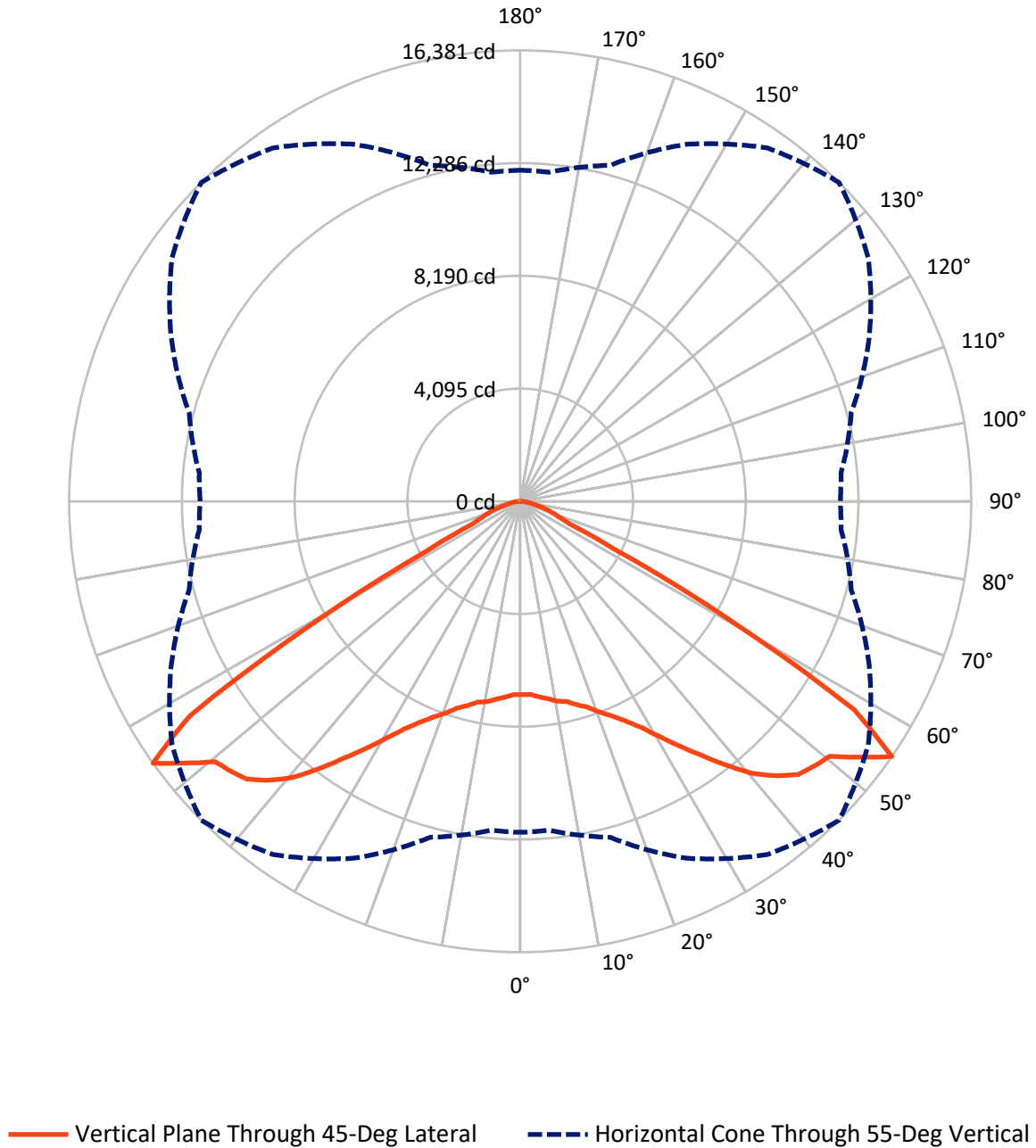
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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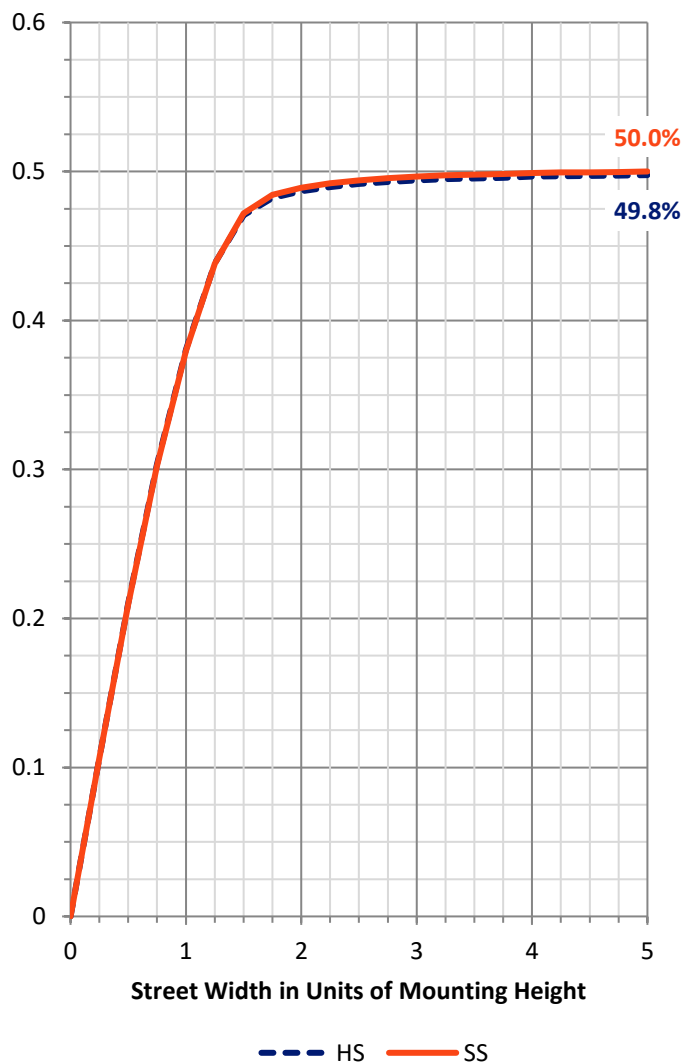
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	19245.0	0.0	19245.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	19245.0	0.0	19245.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	38490.0	0.0	38490.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	686.5	1.8
10°-20°	2175.3	5.7
20°-30°	4056.3	10.5
30°-40°	6791.5	17.6
40°-50°	10568.1	27.5
50°-60°	10973.0	28.5
60°-70°	2327.0	6.0
70°-80°	766.4	2.0
80°-90°	146.0	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°	38490.0	100.0
0°-180°	38490.0	100.0

Coefficient of Utilization



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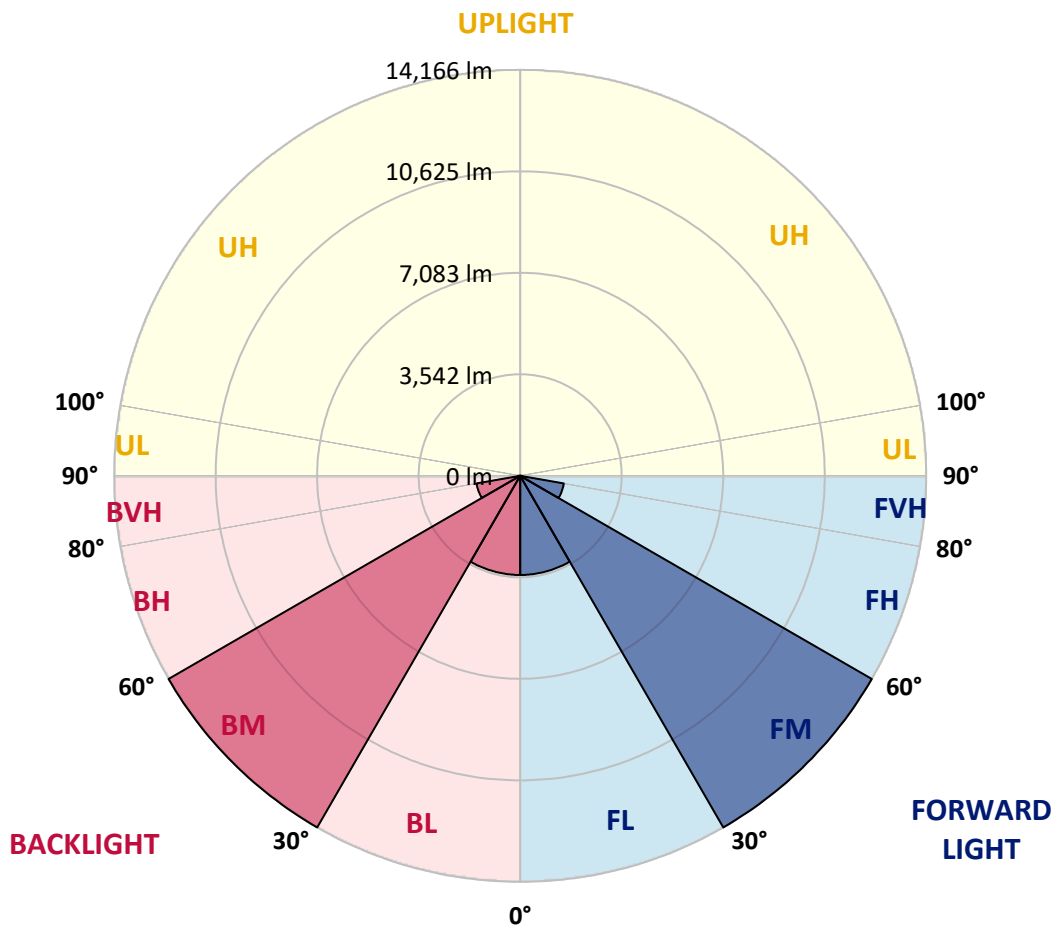
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3459.0	9.0			
FM (30°-60°)	14166.3	36.8			
FH (60°-80°)	1546.7	4.0			G1/1800
FVH (80°-90°)	73.0	0.2			G1/100
BL (0°-30°)	3459.0	9.0	B4/5000		
BM (30°-60°)	14166.3	36.8	B5		
BH (60°-80°)	1546.7	4.0	B3/2500		G1/1800
BVH (80°-90°)	73.0	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°	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7	7027.7
2.5°	7111.4	7078.9	7023.0	7064.9	7097.5	7027.7	7055.6	7069.6	7060.3	7023.0	7037.0
5°	7213.7	7195.1	7148.6	7181.2	7139.3	7139.3	7111.4	7074.2	7130.0	7120.7	7144.0
7.5°	7213.7	7190.5	7283.5	7223.0	7241.6	7241.6	7195.1	7157.9	7185.8	7144.0	7120.7
10°	7357.9	7390.5	7348.6	7362.6	7353.3	7385.8	7316.1	7292.8	7269.6	7255.6	7227.7
12.5°	7530.0	7506.8	7520.7	7511.4	7544.0	7460.2	7418.4	7367.2	7409.1	7348.6	7390.5
15°	7669.5	7655.6	7669.5	7706.7	7674.2	7669.5	7595.1	7544.0	7478.8	7492.8	7427.7
17.5°	7860.2	7846.3	7850.9	7883.5	7878.8	7855.6	7799.8	7702.1	7678.8	7641.6	7599.8
20°	8143.9	8120.7	8111.4	8125.3	8148.6	8167.2	8055.6	8018.4	7939.3	7878.8	7809.1
22.5°	8385.8	8376.5	8413.7	8353.2	8404.4	8460.2	8353.2	8334.6	8139.3	8106.7	8032.3
25°	8720.7	8706.7	8683.5	8771.8	8832.3	8827.6	8725.3	8623.0	8474.2	8437.0	8437.0
27.5°	9074.2	8995.1	9116.0	9139.3	9246.2	9278.8	9190.4	9041.6	8902.1	8823.0	8841.6
30°	9516.0	9441.6	9469.5	9636.9	9776.5	9897.4	9674.1	9455.5	9260.2	9120.7	9097.4
32.5°	9957.8	9883.4	9967.1	10129.9	10409.0	10590.4	10371.8	9990.4	9762.5	9557.9	9599.7
35°	10316.0	10371.8	10506.7	10753.2	11041.5	11334.5	10985.7	10692.7	10367.1	10139.2	10171.8
37.5°	10892.7	11064.8	11171.8	11455.5	11864.8	12167.1	11804.3	11422.9	11074.1	10776.4	10674.1
40°	11646.2	11762.4	11883.4	12218.2	12702.0	13004.3	12660.1	12162.4	11818.3	11511.3	11497.3
42.5°	12474.1	12585.7	12711.3	13120.5	13408.9	13636.8	13320.5	13055.4	12674.0	12432.2	12418.2
45°	13436.8	13357.7	13497.3	13767.0	14008.9	14157.7	13953.1	13822.8	13548.4	13325.2	13301.9
47.5°	14078.7	14008.9	14260.0	14501.9	14539.1	14376.3	14418.2	14539.1	14250.7	13883.3	13999.6
50°	14450.7	14450.7	14618.2	14841.4	14771.7	14562.4	14892.6	14901.9	14613.5	14288.0	14288.0
52.5°	13804.2	13948.4	14422.8	15153.0	15385.6	15446.1	15371.6	15055.4	14301.9	13636.8	13604.3
55°	12027.6	11995.0	12636.8	14311.2	15664.7	16380.9	15432.1	13976.3	12446.1	11697.3	11622.9
57.5°	7823.0	7860.2	8818.3	10525.3	12967.1	14301.9	12702.0	10655.5	8818.3	7785.8	7883.5
60°	3520.8	3646.4	4227.8	5502.2	7599.8	8688.1	7618.4	5781.2	4437.1	3851.0	3902.2
62.5°	2023.2	2046.5	2069.7	2455.7	3237.1	3827.8	3362.7	2595.3	2288.3	2186.0	2186.0
65°	1706.9	1693.0	1697.6	1730.2	1813.9	1934.8	1883.7	1813.9	1823.2	1813.9	1799.9
67.5°	1451.1	1469.7	1455.8	1479.0	1483.7	1502.3	1534.8	1562.7	1567.4	1576.7	1567.4
70°	1190.7	1195.3	1204.6	1223.2	1227.9	1241.8	1288.3	1311.6	1325.5	1325.5	1344.1
72.5°	911.6	907.0	916.3	934.9	958.1	962.8	1004.6	1037.2	1055.8	1032.5	1037.2
75°	600.0	604.6	618.6	632.5	665.1	697.7	711.6	744.2	748.8	758.1	734.9
77.5°	358.1	367.4	381.4	409.3	437.2	465.1	497.7	520.9	530.2	520.9	493.0
80°	232.6	232.6	251.2	274.4	307.0	330.2	348.8	367.4	381.4	367.4	358.1
82.5°	144.2	144.2	167.4	195.3	218.6	232.6	260.5	283.7	297.7	288.4	274.4
85°	74.4	79.1	97.7	120.9	139.5	148.8	144.2	130.2	116.3	111.6	102.3
87.5°	23.3	23.3	27.9	27.9	23.3	23.3	27.9	23.3	27.9	27.9	27.9
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)