

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: P647477

Luminaire Tested: **GALN-SA6D-835-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647477
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-835-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 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: 32352.8 lumens
Efficiency: N/A
Efficacy: 87.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

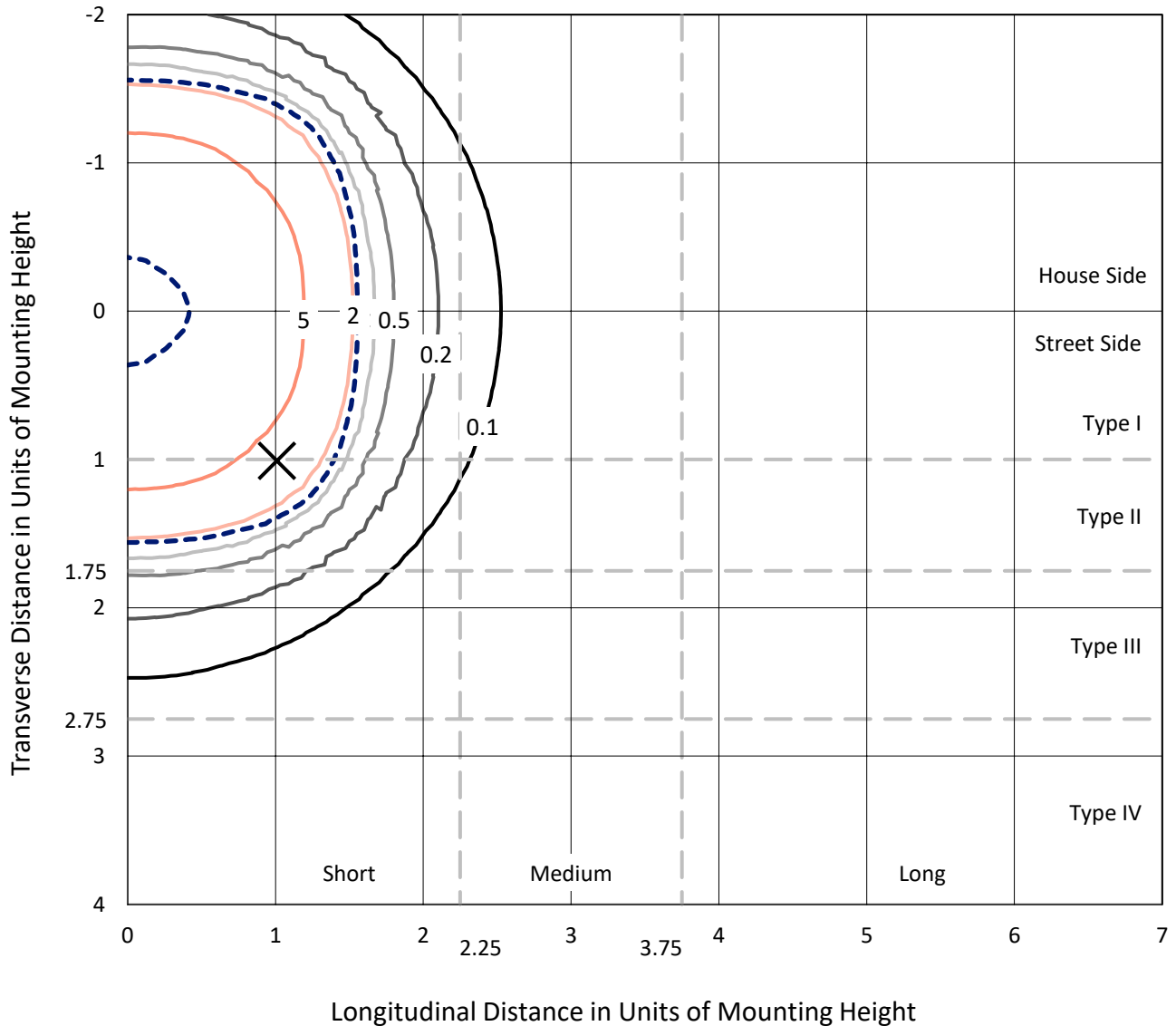
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

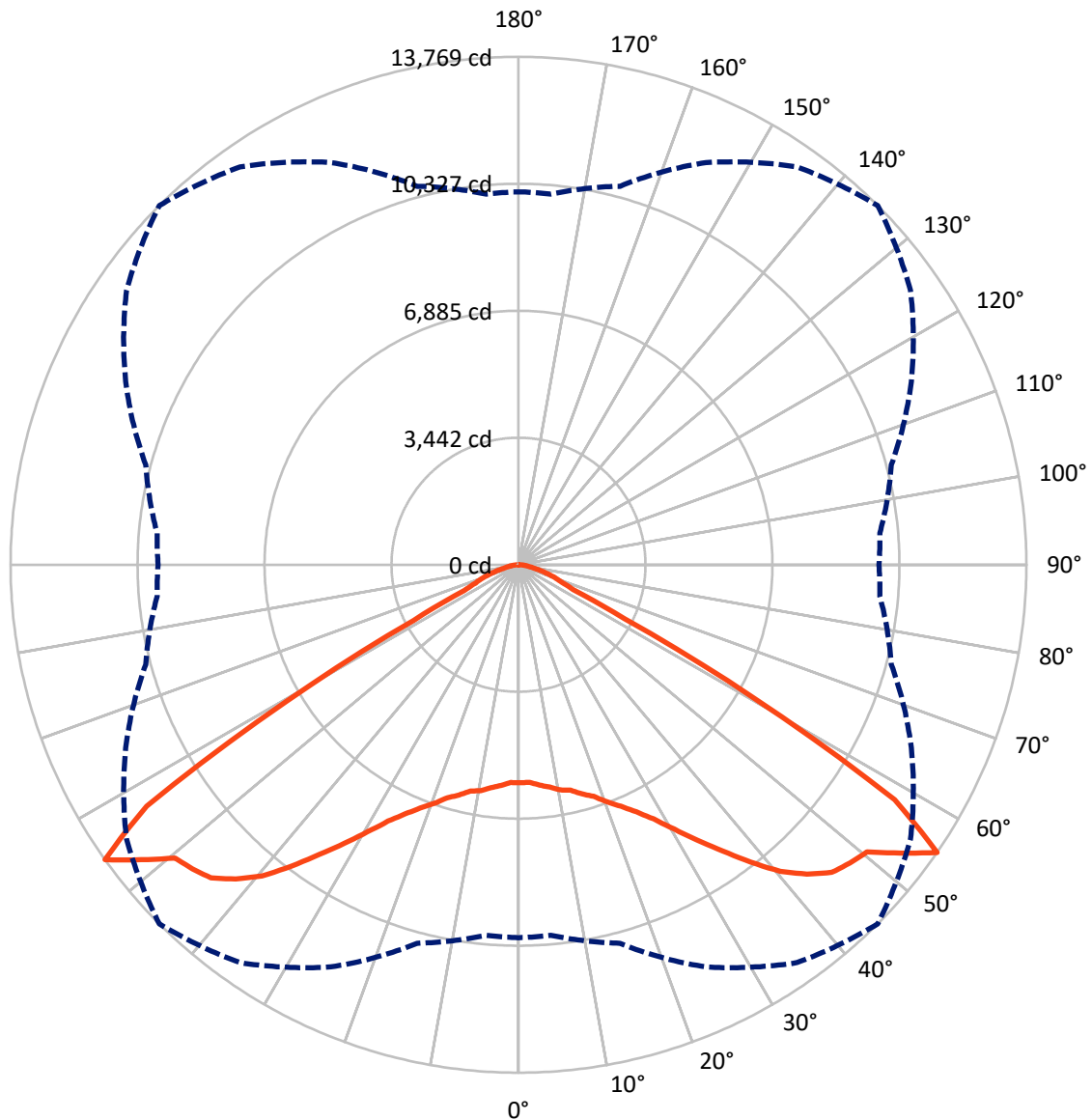
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.5 fc
 Type V - Short - N/A

REPORT NUMBER: P647477
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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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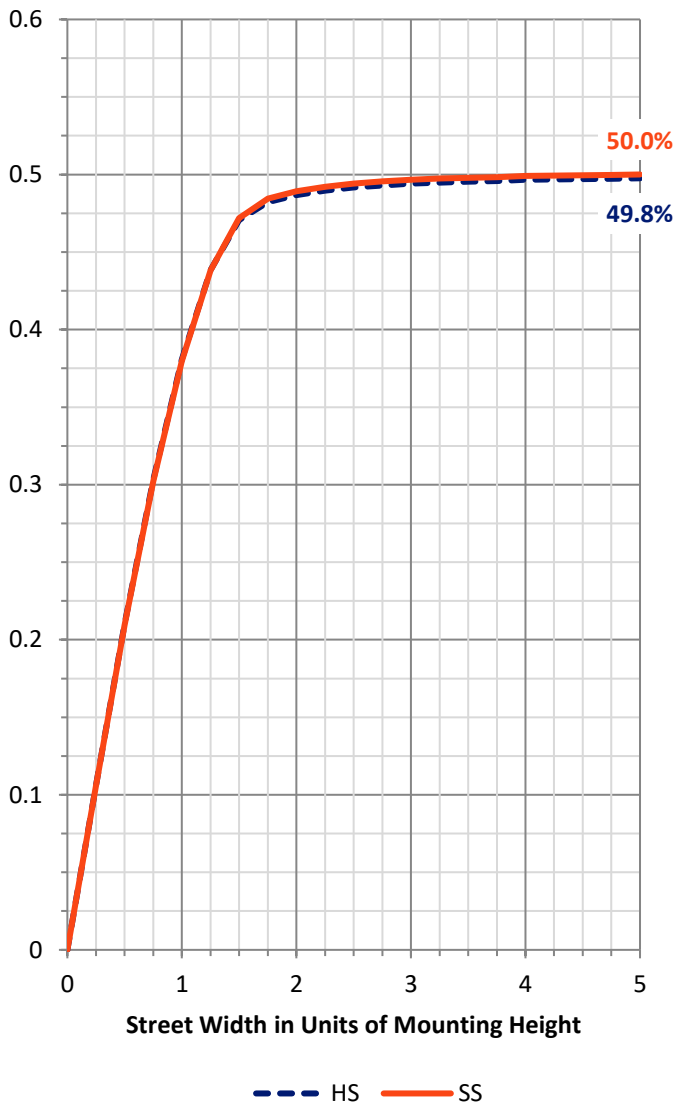
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16176.4	0.0	16176.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16176.4	0.0	16176.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	32352.8	0.0	32352.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	577.1	1.8
10°-20°	1828.5	5.7
20°-30°	3409.5	10.5
30°-40°	5708.6	17.6
40°-50°	8883.0	27.5
50°-60°	9223.4	28.5
60°-70°	1956.0	6.0
70°-80°	644.2	2.0
80°-90°	122.7	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°	32352.8	100.0
0°-180°	32352.8	100.0

Coefficient of Utilization



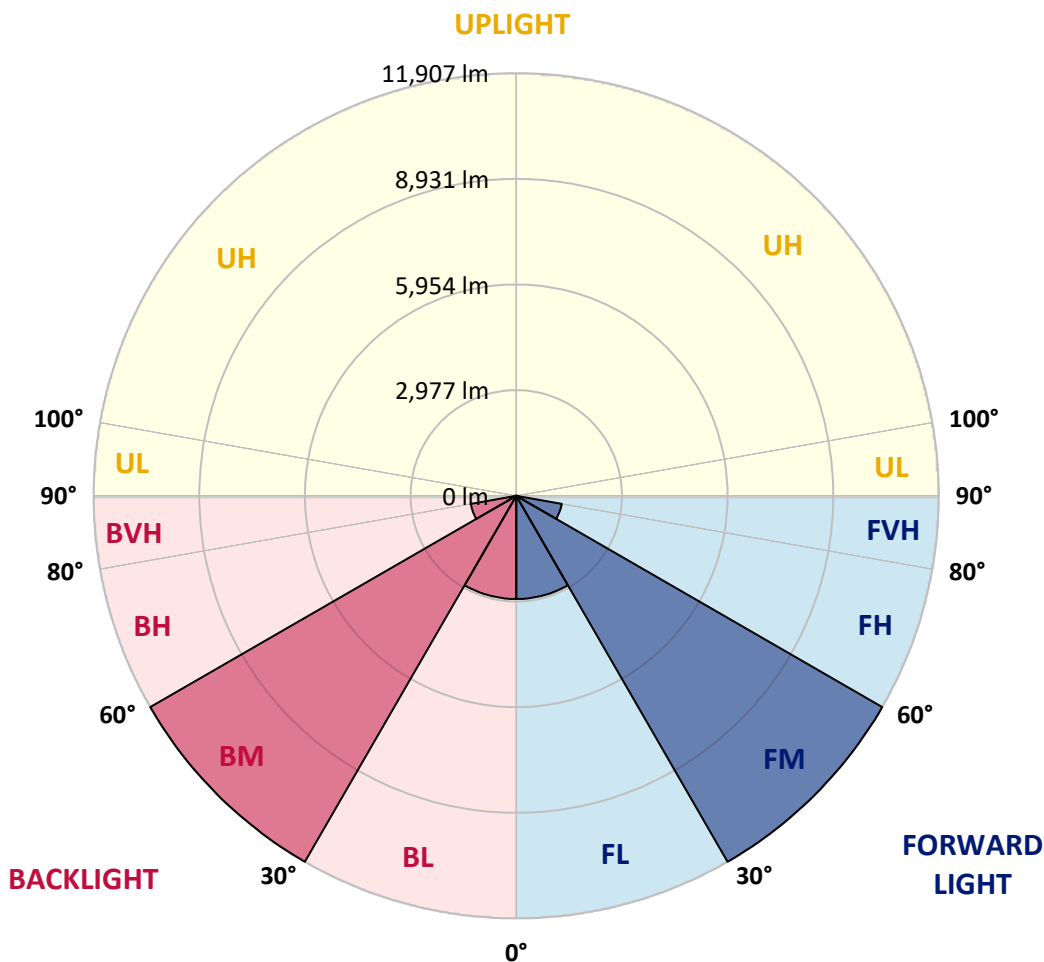
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2907.5	9.0			
FM (30°-60°)	11907.5	36.8			
FH (60°-80°)	1300.1	4.0			G1/1800
FVH (80°-90°)	61.3	0.2			G1/100
BL (0°-30°)	2907.5	9.0	B4/5000		
BM (30°-60°)	11907.5	36.8	B5		
BH (60°-80°)	1300.1	4.0	B3/2500		G1/1800
BVH (80°-90°)	61.3	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°	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1	5907.1
2.5°	5977.5	5950.2	5903.2	5938.4	5965.8	5907.1	5930.6	5942.3	5934.5	5903.2	5914.9
5°	6063.5	6047.9	6008.7	6036.1	6001.0	6001.0	5977.5	5946.3	5993.2	5985.3	6004.9
7.5°	6063.5	6044.0	6122.1	6071.3	6087.0	6087.0	6047.9	6016.6	6040.1	6004.9	5985.3
10°	6184.7	6212.1	6176.9	6188.6	6180.8	6208.2	6149.5	6130.0	6110.5	6098.7	6075.2
12.5°	6329.4	6309.8	6321.6	6313.7	6341.0	6270.7	6235.5	6192.5	6227.7	6176.9	6212.1
15°	6446.6	6434.9	6446.6	6477.9	6450.5	6446.6	6384.1	6341.0	6286.3	6298.1	6243.3
17.5°	6607.0	6595.2	6599.1	6626.5	6622.5	6603.0	6556.1	6474.0	6454.4	6423.2	6388.0
20°	6845.4	6825.9	6818.1	6829.8	6849.3	6865.0	6771.1	6739.8	6673.4	6622.5	6563.9
22.5°	7048.7	7040.9	7072.1	7021.3	7064.3	7111.2	7021.3	7005.7	6841.5	6814.1	6751.6
25°	7330.1	7318.5	7298.9	7373.2	7424.0	7420.1	7334.0	7248.1	7123.0	7091.7	7091.7
27.5°	7627.3	7560.8	7662.4	7682.0	7771.9	7799.3	7725.0	7599.9	7482.7	7416.2	7431.8
30°	7998.7	7936.1	7959.6	8100.3	8217.6	8319.2	8131.6	7947.8	7783.6	7666.4	7646.9
32.5°	8370.0	8307.6	8377.9	8514.7	8749.3	8901.8	8718.0	8397.4	8205.8	8033.9	8069.0
35°	8671.1	8718.0	8831.4	9038.6	9281.0	9527.2	9234.1	8987.7	8714.1	8522.6	8549.9
37.5°	9155.9	9300.5	9390.4	9628.9	9972.9	10227.1	9922.1	9601.5	9308.3	9058.1	8972.1
40°	9789.2	9886.9	9988.6	10270.1	10676.6	10930.8	10641.4	10223.2	9933.8	9675.8	9664.1
42.5°	10485.1	10578.9	10684.4	11028.5	11270.9	11462.4	11196.6	10973.7	10653.2	10449.9	10438.2
45°	11294.3	11227.8	11345.1	11571.9	11775.1	11900.3	11728.2	11618.8	11388.1	11200.5	11180.9
47.5°	11833.8	11775.1	11986.3	12189.6	12220.8	12084.0	12119.2	12220.8	11978.5	11669.6	11767.4
50°	12146.6	12146.6	12287.3	12475.0	12416.3	12240.4	12518.0	12525.8	12283.4	12009.7	12009.7
52.5°	11603.2	11724.3	12123.1	12736.9	12932.3	12983.2	12920.6	12654.8	12021.5	11462.4	11435.1
55°	10109.8	10082.4	10621.9	12029.3	13166.9	13769.0	12971.5	11747.8	10461.6	9832.2	9769.6
57.5°	6575.6	6607.0	7412.3	8847.0	10899.4	12021.5	10676.6	8956.5	7412.3	6544.4	6626.5
60°	2959.4	3065.0	3553.6	4624.9	6388.0	7302.8	6403.6	4859.4	3729.6	3237.0	3280.0
62.5°	1700.6	1720.2	1739.7	2064.1	2720.9	3217.4	2826.5	2181.4	1923.4	1837.5	1837.5
65°	1434.8	1423.0	1426.9	1454.3	1524.7	1626.3	1583.3	1524.7	1532.5	1524.7	1512.9
67.5°	1219.8	1235.3	1223.7	1243.2	1247.1	1262.7	1290.1	1313.6	1317.5	1325.3	1317.5
70°	1000.8	1004.7	1012.6	1028.2	1032.1	1043.8	1082.9	1102.5	1114.2	1114.2	1129.8
72.5°	766.2	762.3	770.2	785.8	805.3	809.2	844.5	871.8	887.5	867.9	871.8
75°	504.3	508.2	520.0	531.7	559.1	586.4	598.1	625.5	629.5	637.2	617.7
77.5°	301.1	308.8	320.6	344.1	367.5	391.0	418.3	437.9	445.7	437.9	414.4
80°	195.4	195.4	211.1	230.7	258.0	277.6	293.2	308.8	320.6	308.8	301.1
82.5°	121.2	121.2	140.7	164.2	183.8	195.4	218.9	238.5	250.2	242.4	230.7
85°	62.6	66.5	82.1	101.6	117.3	125.1	121.2	109.5	97.7	93.8	86.0
87.5°	19.6	19.6	23.5	23.5	19.6	19.6	23.5	19.6	23.5	23.5	23.5
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)