

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: P532880

Luminaire Tested: **GALN-SA8B-735-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532880
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA8B-735-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36313 lumens
Efficiency: N/A
Efficacy: 111.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

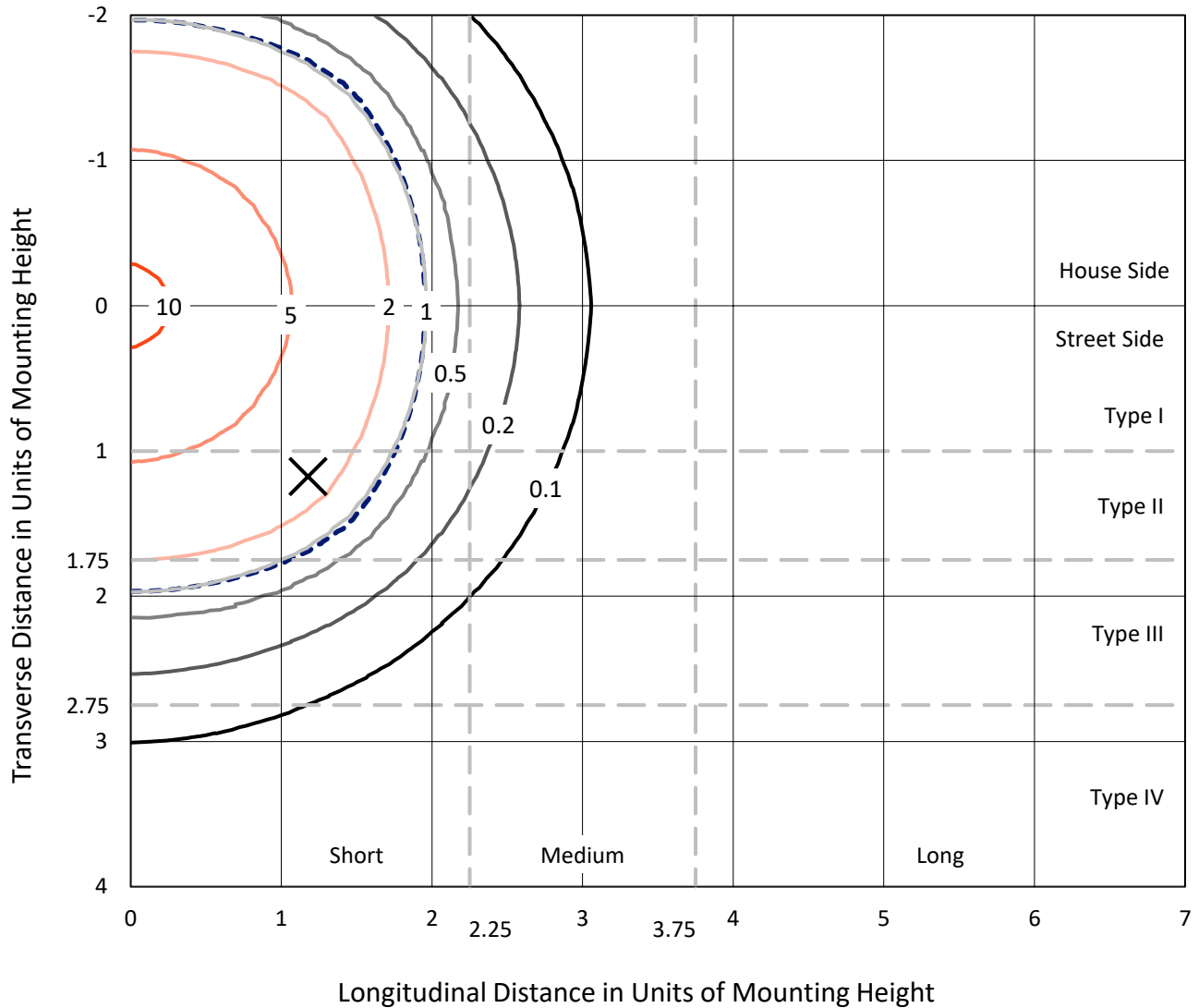
Input Watts (W): 325
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

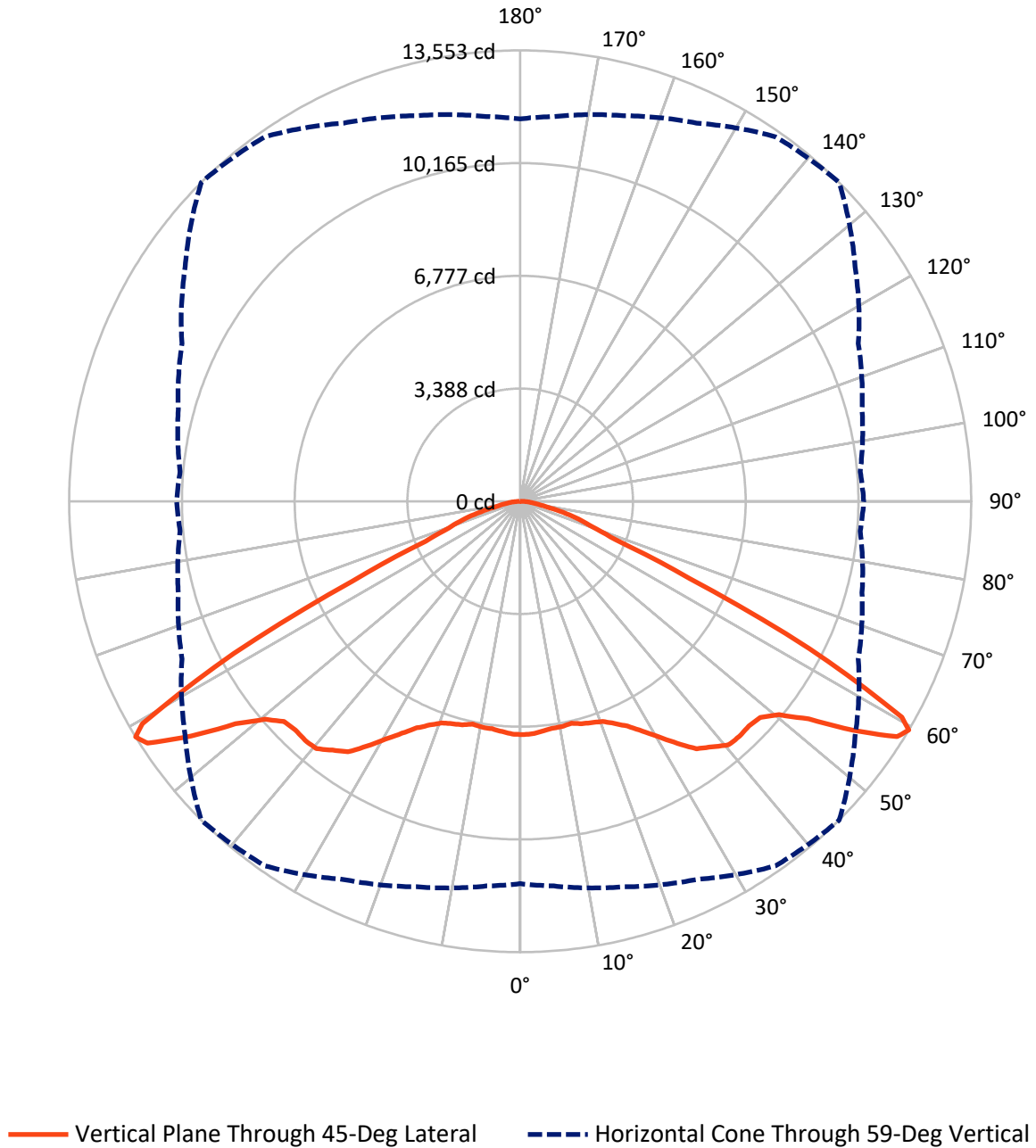
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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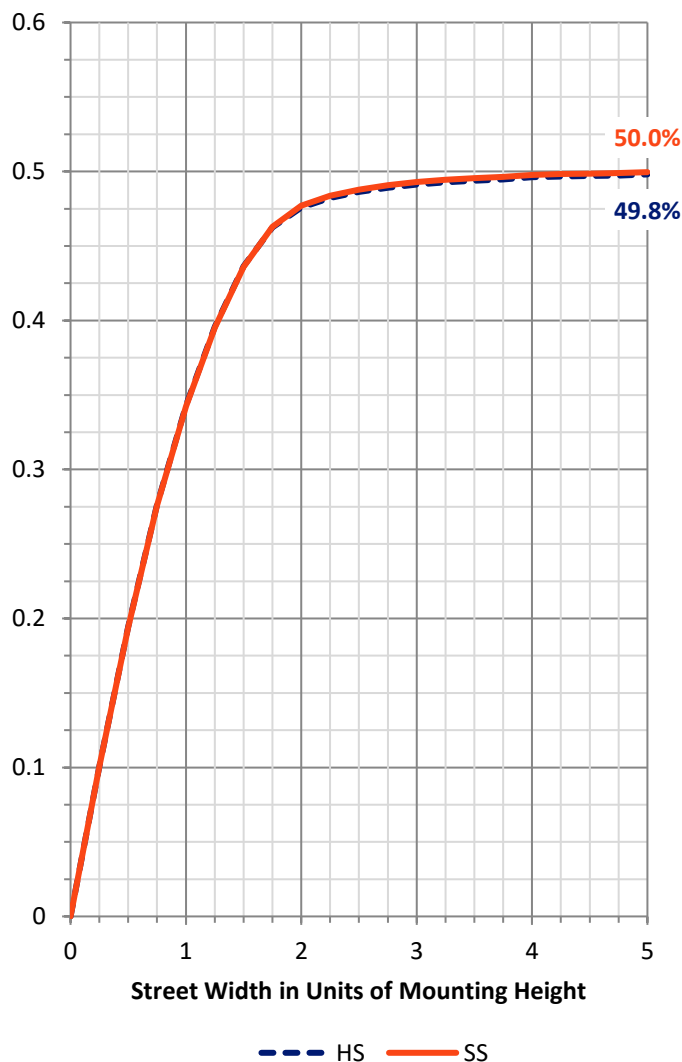
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18156.5	0.0	18156.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18156.5	0.0	18156.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36313.0	0.0	36313.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	661.2	1.8
10°-20°	1966.3	5.4
20°-30°	3433.3	9.5
30°-40°	5483.5	15.1
40°-50°	7469.6	20.6
50°-60°	10100.9	27.8
60°-70°	5539.4	15.3
70°-80°	1417.1	3.9
80°-90°	241.7	0.7
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°	36313.0	100.0
0°-180°	36313.0	100.0

Coefficient of Utilization



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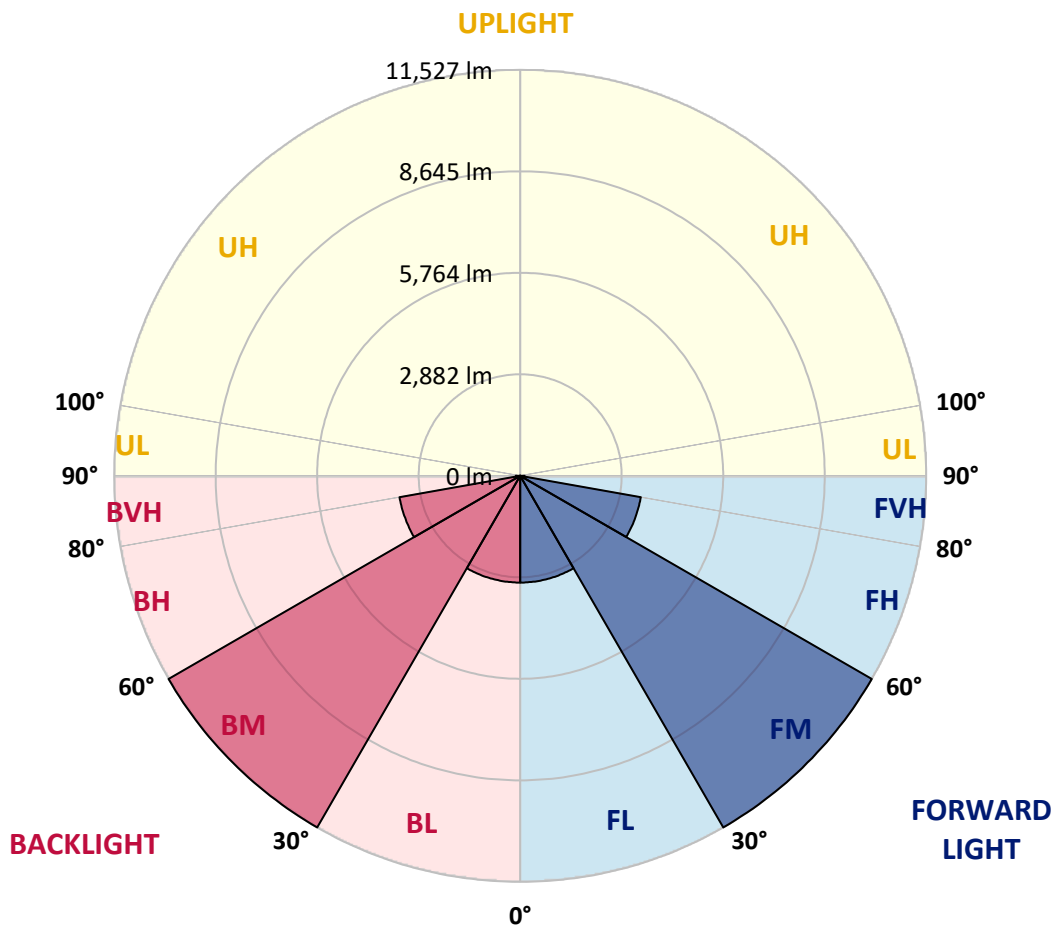
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3030.4	8.3			
FM (30°-60°)	11527.0	31.7			
FH (60°-80°)	3478.3	9.6			G2/5000
FVH (80°-90°)	120.8	0.3			G2/225
BL (0°-30°)	3030.4	8.3	B4/5000		
BM (30°-60°)	11527.0	31.7	B5		
BH (60°-80°)	3478.3	9.6	B4/5000		G2/5000
BVH (80°-90°)	120.8	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9	7013.9
2.5°	6972.0	7023.2	6986.0	7018.6	7013.9	7000.0	6976.7	6962.7	6944.1	6972.0	6925.5
5°	6944.1	6986.0	7027.9	6972.0	6972.0	6944.1	6930.2	6902.2	6902.2	6897.6	6892.9
7.5°	6990.7	6948.8	6930.2	6939.5	6948.8	6888.3	6930.2	6874.3	6827.8	6860.3	6897.6
10°	6948.8	6967.4	6897.6	6930.2	6879.0	6888.3	6860.3	6897.6	6846.4	6846.4	6846.4
12.5°	6990.7	6939.5	6962.7	6939.5	6925.5	6846.4	6883.6	6841.7	6837.1	6883.6	6841.7
15°	7074.4	6990.7	6972.0	6925.5	6939.5	6939.5	6902.2	6906.9	6855.7	6883.6	6892.9
17.5°	7046.5	7000.0	6986.0	6930.2	6976.7	6990.7	6920.9	6874.3	6906.9	6902.2	6897.6
20°	7069.8	7088.4	7074.4	7083.7	7102.4	7065.1	7000.0	6934.8	6892.9	6953.4	6948.8
22.5°	7218.7	7200.1	7190.8	7181.5	7214.1	7251.3	7162.9	7060.5	7060.5	7102.4	7121.0
25°	7339.7	7335.1	7330.4	7372.3	7484.0	7484.0	7372.3	7242.0	7209.4	7237.3	7214.1
27.5°	7516.6	7567.8	7549.2	7623.6	7786.5	7823.8	7674.8	7521.2	7432.8	7400.2	7442.1
30°	7921.5	7861.0	7875.0	7954.1	8098.4	8219.4	7991.3	7828.4	7707.4	7702.8	7721.4
32.5°	8191.5	8238.0	8279.9	8354.4	8582.4	8675.5	8400.9	8135.6	8061.1	8019.3	8033.2
35°	8731.3	8689.5	8680.2	8754.6	8982.7	9136.3	8791.9	8559.1	8461.4	8554.5	8554.5
37.5°	9243.3	9127.0	9038.5	9136.3	9345.7	9364.3	9071.1	8945.4	8894.2	9001.3	8996.6
40°	9485.3	9476.0	9271.2	9327.1	9606.3	9634.3	9359.7	9210.7	9201.4	9341.1	9480.7
42.5°	9736.7	9648.2	9443.4	9480.7	9652.9	9662.2	9401.6	9359.7	9462.1	9597.0	9606.3
45°	9778.6	9704.1	9573.8	9480.7	9606.3	9634.3	9480.7	9508.6	9517.9	9680.8	9680.8
47.5°	9862.3	9853.0	9778.6	9708.7	9732.0	9708.7	9611.0	9652.9	9792.5	9871.6	9834.4
50°	10095.0	9997.3	10071.8	10011.3	10015.9	10081.1	9992.6	10034.5	10006.6	9936.8	9890.3
52.5°	10607.0	10560.5	10625.6	10667.5	10714.1	10863.0	10760.6	10537.2	10327.8	10141.6	10136.9
55°	11356.3	11388.9	11514.6	11728.7	11910.2	12147.6	11654.2	11119.0	10783.9	10490.6	10509.3
57.5°	12063.8	12040.5	12212.7	12701.4	13232.0	13353.0	12384.9	11621.6	11077.1	10890.9	10811.8
59°	11496.0	11607.7	11998.6	12543.2	13376.3	13553.1	12287.2	11212.1	10634.9	10257.9	10323.1
60°	10602.4	10644.2	10993.3	11751.9	12878.3	13180.8	11630.9	10579.1	9811.1	9592.4	9690.1
62.5°	7493.3	7460.7	7712.1	8331.1	9341.1	9750.6	8647.6	7907.5	7423.5	7181.5	7237.3
65°	3984.0	4133.0	4235.4	4621.7	5156.9	5589.7	5133.6	4812.5	4542.5	4342.4	4337.7
67.5°	2690.1	2671.5	2694.8	2783.2	2964.7	3085.8	3076.5	2913.6	2890.3	2853.0	2894.9
70°	2266.6	2257.3	2215.4	2215.4	2252.7	2280.6	2313.2	2331.8	2369.0	2415.5	2410.9
72.5°	1838.4	1815.2	1787.2	1773.3	1819.8	1833.8	1875.7	1894.3	1926.9	1922.2	1964.1
75°	1214.8	1214.8	1247.3	1284.6	1298.5	1326.5	1331.1	1387.0	1387.0	1396.3	1359.0
77.5°	679.5	660.9	684.2	721.4	754.0	805.2	856.4	898.3	921.5	912.2	912.2
80°	395.6	395.6	418.9	460.8	502.7	549.2	586.4	619.0	642.3	633.0	614.4
82.5°	246.7	246.7	269.9	311.8	344.4	372.3	423.5	465.4	493.3	484.0	460.8
85°	125.7	125.7	153.6	181.5	223.4	242.0	237.4	218.7	214.1	190.8	190.8
87.5°	32.6	32.6	46.5	51.2	41.9	46.5	46.5	46.5	46.5	46.5	51.2
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)