

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: P647259

Luminaire Tested: **GALN-SA2D-835-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P647259
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2D-835-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 80 CRI, 3500K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6354 lumens
Efficiency: N/A
Efficacy: 50.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

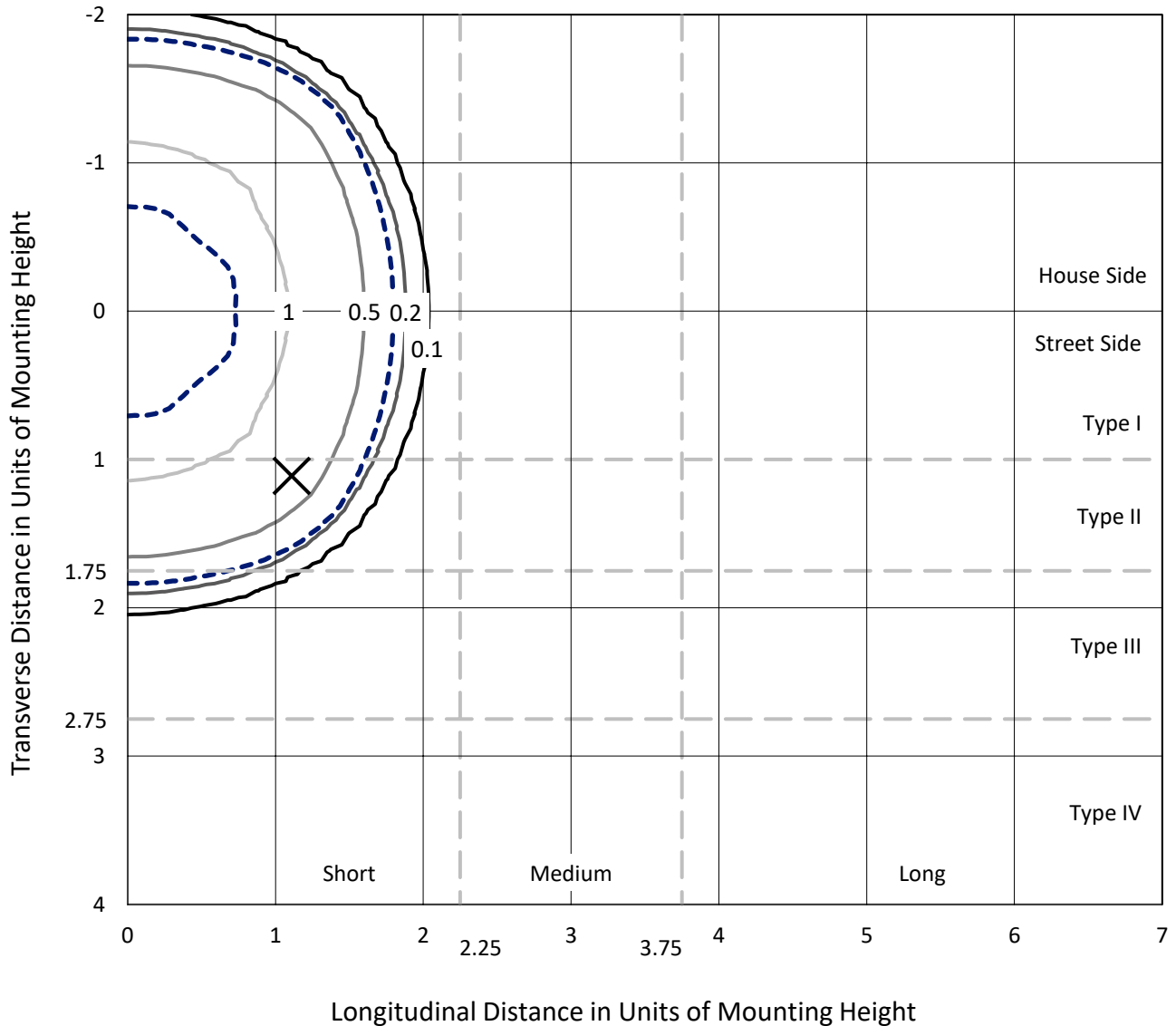
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

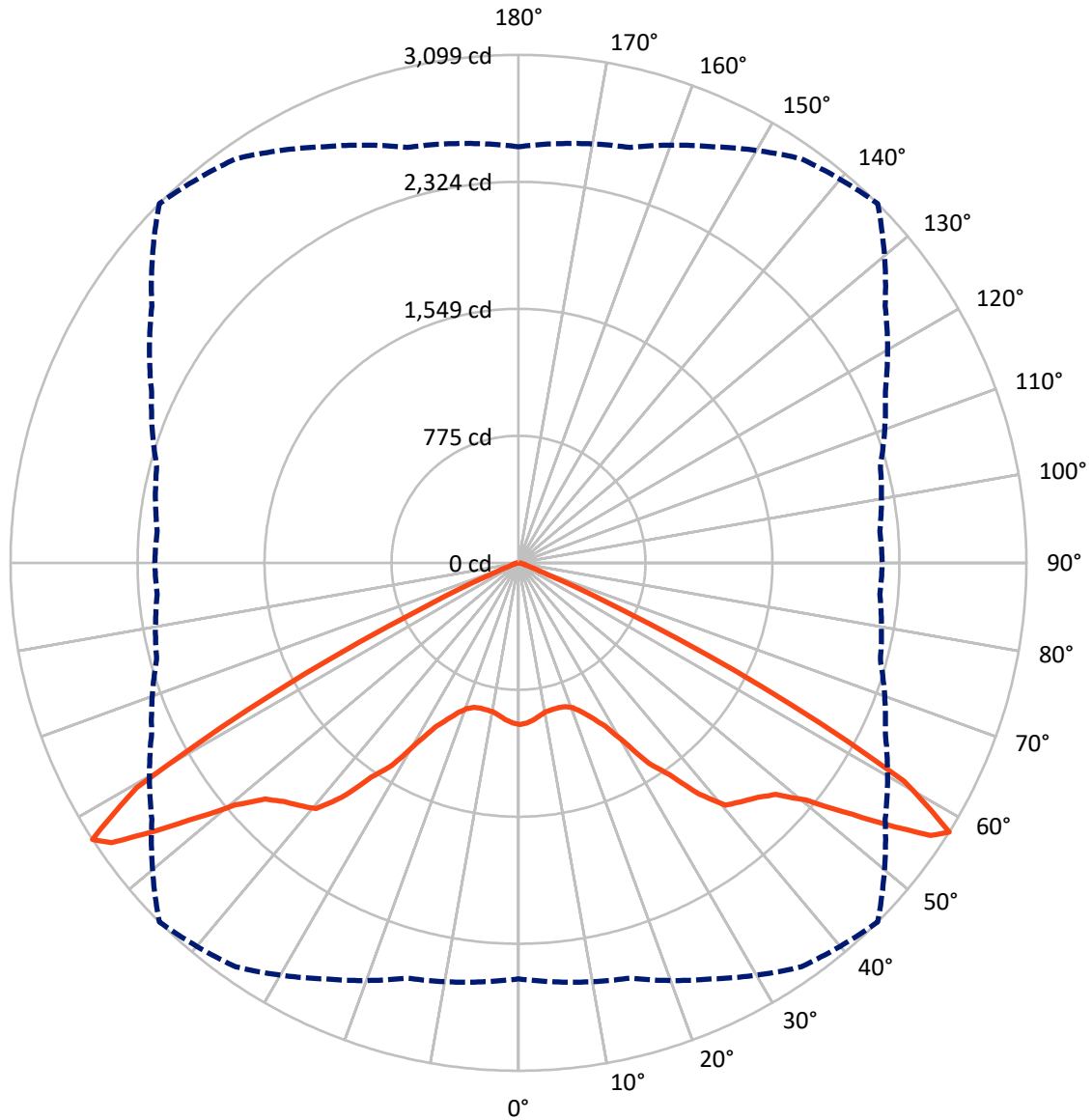
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

REPORT NUMBER: P647259
CATALOG NUMBER: GALN-SA2D-835-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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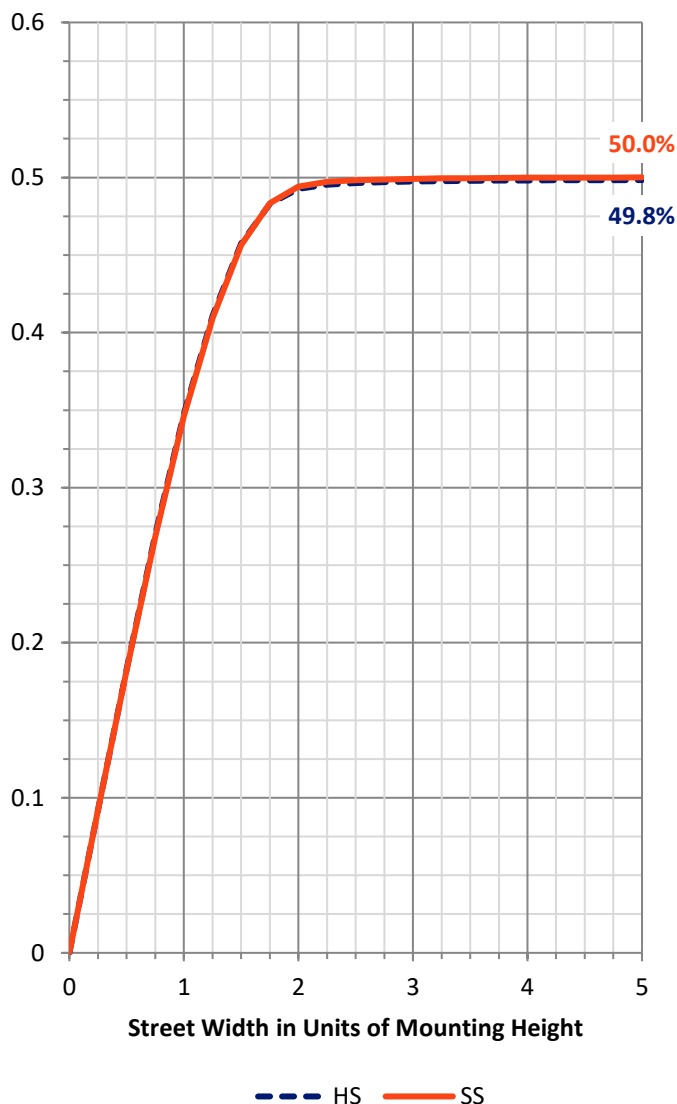
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3177.0	0.0	3177.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3177.0	0.0	3177.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6354.0	0.0	6354.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.6	1.4
10°-20°	261.8	4.1
20°-30°	483.2	7.6
30°-40°	950.3	15.0
40°-50°	1547.8	24.4
50°-60°	2207.4	34.7
60°-70°	764.2	12.0
70°-80°	41.0	0.6
80°-90°	7.7	0.1
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°	6354.0	100.0
0°-180°	6354.0	100.0

Coefficient of Utilization

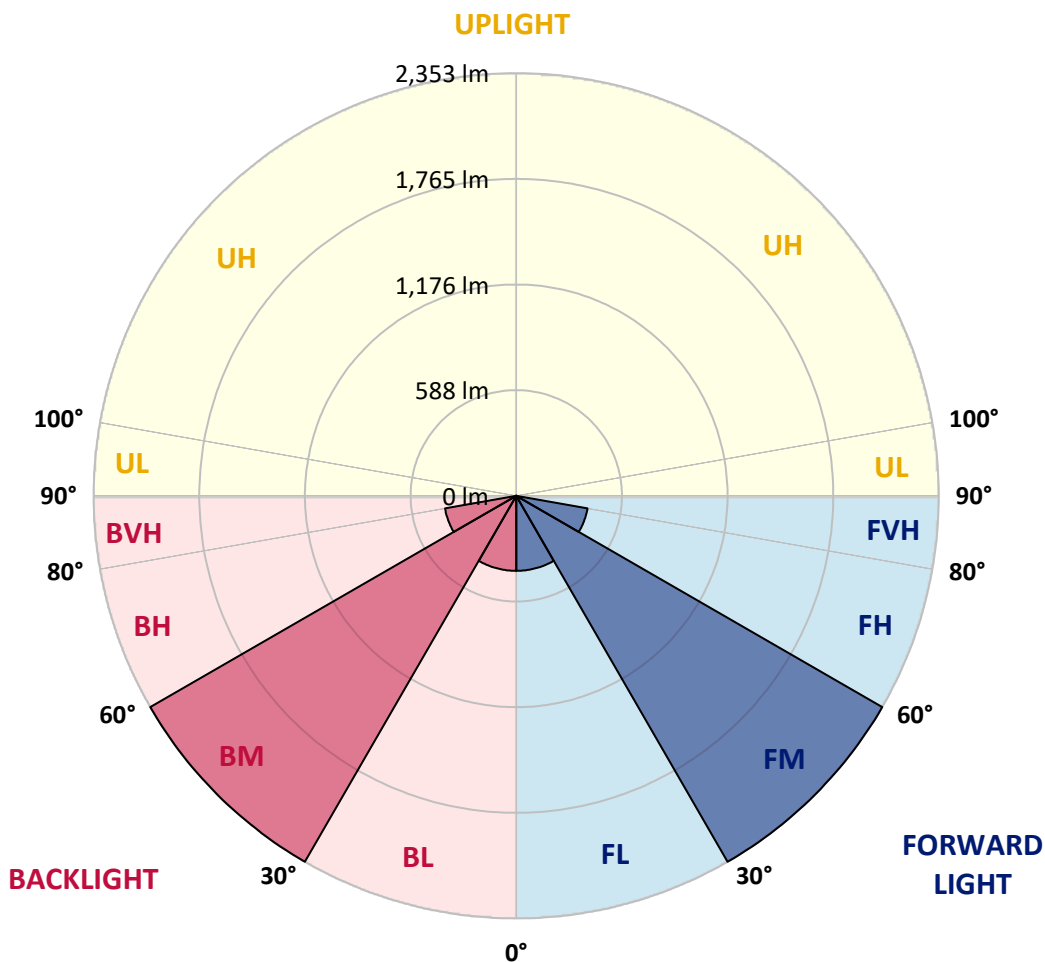


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	417.8	6.6			
FM (30°-60°)	2352.8	37.0			
FH (60°-80°)	402.6	6.3			G0/660
FVH (80°-90°)	3.9	0.1			G0/10
BL (0°-30°)	417.8	6.6	B1/500		
BM (30°-60°)	2352.8	37.0	B2/2500		
BH (60°-80°)	402.6	6.3	B1/500		G0/660
BVH (80°-90°)	3.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	985.6	985.6	985.6	985.6	985.6	985.6	985.6	985.6	985.6	985.6	985.6
2.5°	982.9	988.2	981.6	979.0	977.7	977.7	973.7	973.7	972.3	973.7	968.3
5°	967.0	972.3	972.3	971.0	963.1	961.8	957.8	955.1	956.4	951.1	955.1
7.5°	951.1	955.1	949.8	948.5	945.9	940.5	939.2	927.3	928.6	928.6	931.3
10°	948.5	947.2	939.2	932.6	924.6	923.3	919.3	916.7	916.7	915.4	919.3
12.5°	948.5	941.9	940.5	926.0	912.7	918.0	907.4	900.8	910.1	912.7	918.0
15°	947.2	953.8	931.3	924.6	915.4	916.7	907.4	900.8	906.1	908.7	912.7
17.5°	955.1	951.1	944.5	931.3	927.3	922.0	910.1	904.8	904.8	911.4	912.7
20°	976.3	965.7	952.4	945.9	949.8	943.2	928.6	908.7	914.1	919.3	923.3
22.5°	996.2	988.2	979.0	975.0	997.5	986.9	961.8	939.2	931.3	940.5	947.2
25°	1034.6	1034.6	1017.4	1022.7	1047.8	1049.1	1020.0	980.3	975.0	979.0	981.6
27.5°	1112.7	1116.7	1102.2	1107.5	1118.0	1127.3	1102.2	1069.0	1057.1	1055.8	1059.8
30°	1197.5	1205.5	1204.2	1226.6	1257.1	1262.4	1225.3	1171.1	1135.3	1128.6	1133.9
32.5°	1308.8	1312.8	1310.1	1336.7	1418.7	1457.2	1360.5	1283.7	1236.0	1247.9	1236.0
35°	1518.1	1514.2	1485.0	1490.3	1557.9	1585.7	1492.9	1443.9	1421.4	1445.3	1439.9
37.5°	1698.2	1683.7	1659.9	1694.3	1764.5	1789.7	1693.0	1606.9	1565.8	1605.5	1622.8
40°	1850.6	1813.5	1780.4	1814.8	1908.9	1943.3	1801.6	1731.4	1715.5	1744.6	1781.7
42.5°	1979.1	1955.2	1911.5	1914.2	1976.4	1992.3	1878.4	1837.4	1821.5	1867.8	1886.4
45°	2070.5	2048.0	2006.9	2004.2	2051.9	2041.4	1939.3	1911.5	1920.9	1951.3	1960.6
47.5°	2116.8	2128.8	2104.9	2111.6	2136.7	2111.6	2030.8	2030.8	2009.6	2028.1	2018.8
50°	2250.7	2213.5	2244.1	2244.1	2270.5	2273.2	2192.4	2163.3	2106.3	2074.5	2074.5
52.5°	2407.0	2409.6	2421.6	2465.3	2510.3	2548.7	2433.5	2309.0	2213.5	2172.5	2167.2
55°	2535.5	2562.0	2609.7	2691.8	2821.6	2874.6	2675.9	2453.4	2336.8	2273.2	2260.0
56°	2605.7	2580.5	2662.7	2775.3	2944.8	3013.7	2715.7	2482.5	2354.0	2282.4	2281.1
57.5°	2538.1	2566.0	2622.9	2800.4	3008.4	3098.5	2730.2	2469.3	2285.1	2212.3	2218.9
60°	2004.2	2030.8	2107.6	2306.3	2632.2	2702.4	2310.3	2036.0	1871.8	1767.2	1768.5
62.5°	1133.9	1153.8	1213.4	1397.6	1600.2	1667.8	1439.9	1257.1	1143.2	1084.9	1066.4
65°	417.3	409.4	418.6	512.6	637.2	694.1	598.8	506.1	446.4	425.2	417.3
67.5°	156.3	144.4	135.1	144.4	181.5	192.1	176.2	147.0	137.8	141.7	144.4
70°	96.7	91.4	72.9	68.9	67.6	66.2	70.2	74.2	84.8	99.4	102.0
72.5°	67.6	63.6	51.7	49.0	46.4	45.0	51.7	56.9	66.2	76.8	78.1
75°	26.5	27.8	26.5	29.1	30.5	31.8	37.1	41.0	45.0	45.0	43.7
77.5°	5.3	5.3	8.0	10.6	13.2	17.2	25.1	29.1	30.5	29.1	25.1
80°	0.0	0.0	2.7	5.3	10.6	14.6	22.6	25.1	27.8	25.1	19.9
82.5°	0.0	0.0	2.7	6.7	10.6	13.2	21.2	26.5	30.5	27.8	21.2
85°	0.0	0.0	2.7	5.3	8.0	9.2	9.2	6.7	6.7	4.0	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)