

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: P451060

Luminaire Tested: **GALN-SA1D-830-U-5MQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P451060
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-830-U-5MQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V MEDIUM OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6524 lumens
Efficiency: N/A
Efficacy: 100.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): 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

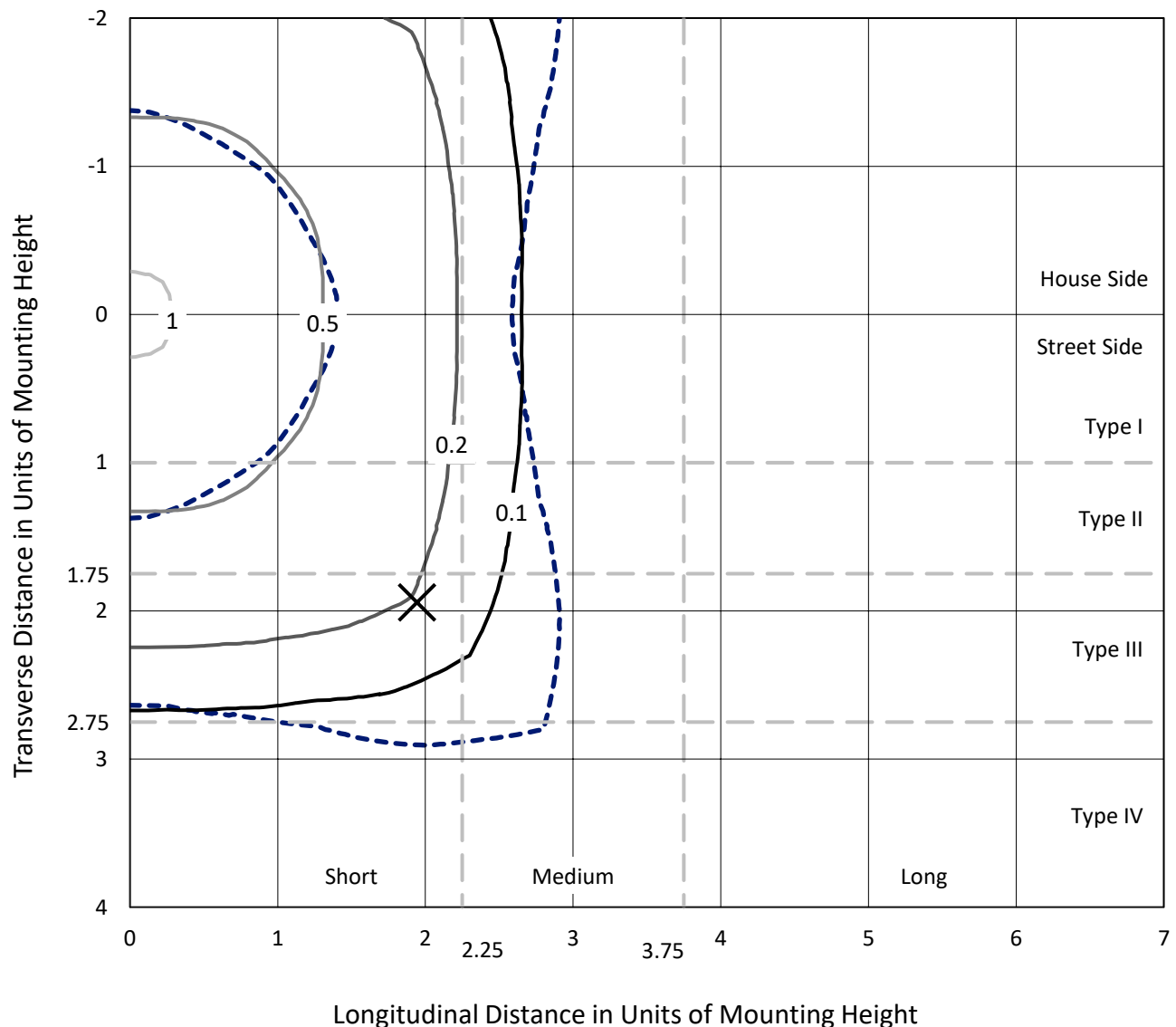


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

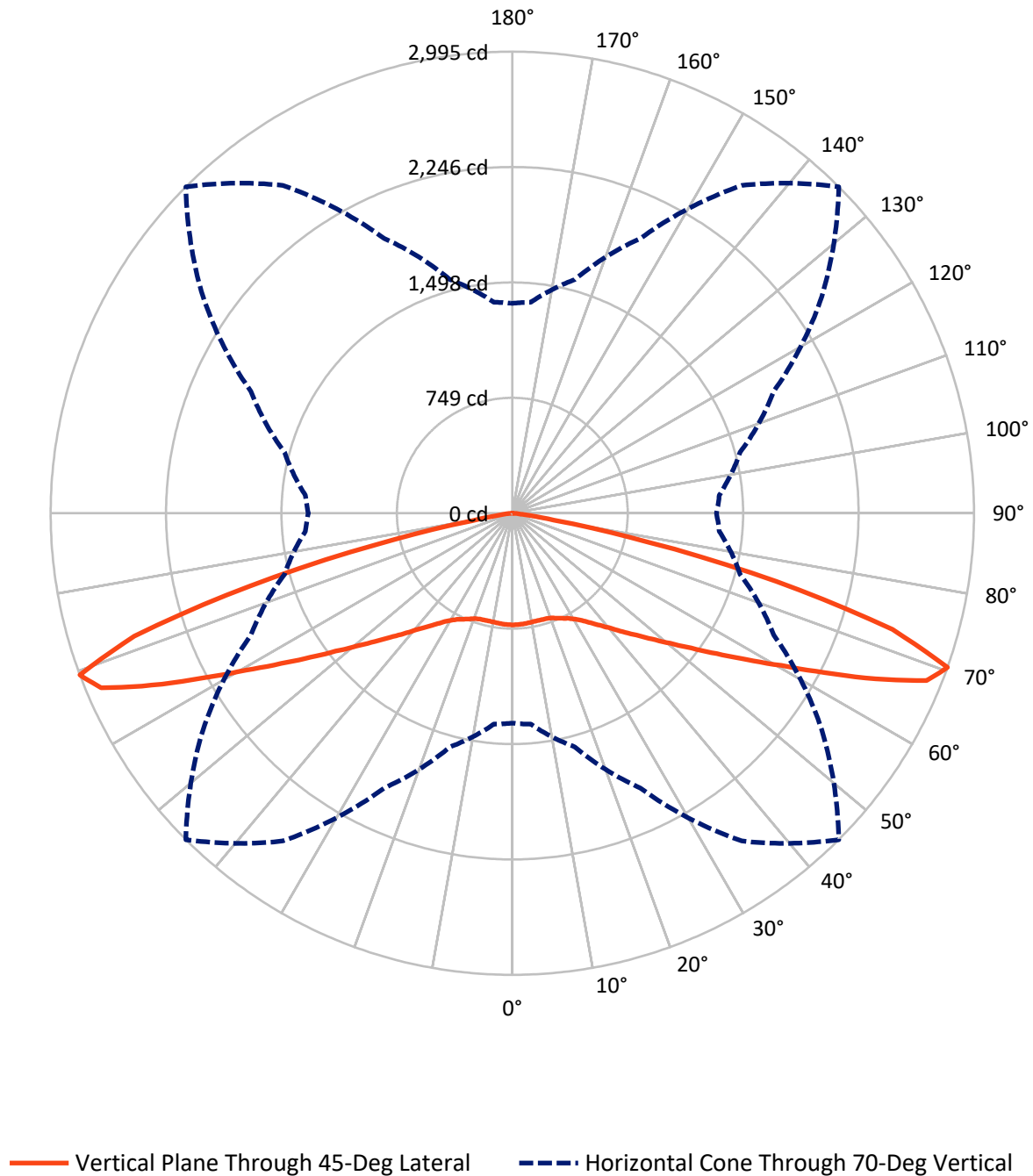


Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3262.0	0.0	3262.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3262.0	0.0	3262.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6524.0	0.0	6524.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	68.7	1.1
10°-20°	201.6	3.1
20°-30°	344.8	5.3
30°-40°	547.3	8.4
40°-50°	882.9	13.5
50°-60°	1436.4	22.0
60°-70°	2082.3	31.9
70°-80°	923.6	14.2
80°-90°	36.4	0.6
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°	6524.0	100.0
0°-180°	6524.0	100.0

Coefficient of Utilization



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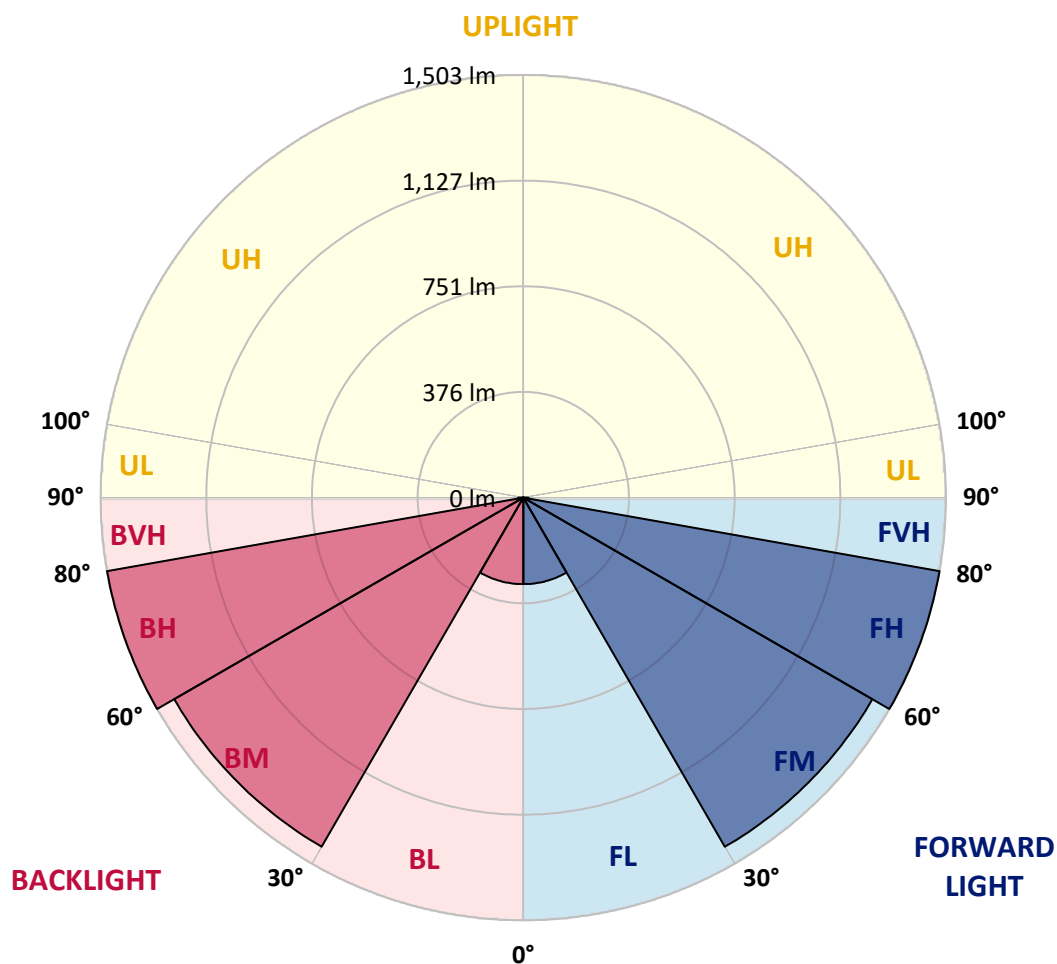
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	307.5	4.7			
FM	(30°-60°)	1433.3	22.0			
FH	(60°-80°)	1503.0	23.0			G1/1800
FVH	(80°-90°)	18.2	0.3			G1/100
BL	(0°-30°)	307.5	4.7	B1/500		
BM	(30°-60°)	1433.3	22.0	B2/2500		
BH	(60°-80°)	1503.0	23.0	B3/2500		G1/1800
BVH	(80°-90°)	18.2	0.3			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5	724.5
2.5°	724.5	725.1	724.1	723.4	723.1	723.1	722.7	723.1	725.1	725.5	724.5
5°	722.4	723.1	722.7	722.1	721.7	721.7	721.4	721.0	722.7	723.4	723.1
7.5°	719.6	720.0	719.6	719.3	719.6	719.3	718.3	717.6	719.0	719.0	718.6
10°	714.8	715.5	715.2	715.5	716.2	716.2	714.8	713.5	713.8	713.1	713.1
12.5°	709.0	710.0	710.4	711.7	713.5	715.5	712.4	709.3	708.6	708.3	708.0
15°	705.2	706.2	707.6	709.0	712.1	716.6	712.1	707.3	705.9	704.5	703.8
17.5°	704.2	705.5	707.6	709.7	713.8	718.3	714.5	709.7	706.2	704.2	703.5
20°	706.9	708.0	711.0	714.8	720.7	725.1	721.4	716.2	711.0	708.0	706.9
22.5°	712.4	714.1	717.9	724.8	733.1	739.6	734.4	725.8	717.6	713.5	712.1
25°	724.5	725.8	730.3	739.6	749.2	755.4	749.9	739.9	728.6	723.1	721.4
27.5°	742.7	744.7	749.6	760.6	768.5	771.9	768.1	761.2	753.0	747.2	745.8
30°	768.5	770.9	778.1	789.8	794.9	797.0	795.3	790.8	785.0	778.8	777.4
32.5°	803.2	804.6	812.8	823.8	828.6	829.3	827.3	825.2	815.6	805.3	804.6
35°	842.1	844.5	854.4	867.5	872.0	872.3	868.2	865.1	853.7	845.5	845.5
37.5°	893.6	894.7	904.3	919.1	923.9	922.5	920.4	917.7	905.7	895.0	895.3
40°	954.1	956.2	964.5	981.6	981.6	979.9	981.3	979.2	967.2	956.9	957.2
42.5°	1026.0	1027.0	1037.0	1055.2	1053.9	1050.4	1051.8	1049.0	1041.5	1029.8	1025.7
45°	1102.7	1106.8	1124.0	1141.5	1138.8	1127.8	1133.3	1132.6	1125.7	1108.2	1109.2
47.5°	1195.2	1202.0	1218.5	1239.5	1236.4	1219.2	1225.4	1229.6	1219.9	1200.7	1197.2
50°	1299.4	1303.8	1328.2	1347.8	1345.1	1326.9	1341.0	1341.6	1317.6	1290.4	1290.4
52.5°	1410.4	1414.9	1447.9	1478.5	1480.2	1453.7	1465.1	1464.4	1425.2	1389.4	1382.6
55°	1534.9	1536.9	1579.6	1624.6	1634.2	1608.5	1609.8	1596.1	1545.2	1503.6	1499.8
57.5°	1663.5	1671.0	1718.1	1776.6	1805.1	1789.3	1782.1	1745.3	1696.1	1648.3	1645.9
60°	1805.8	1806.2	1867.4	1936.5	1994.2	2004.9	1975.3	1926.2	1862.6	1799.3	1796.5
62.5°	1904.5	1919.3	1996.6	2113.6	2217.0	2276.9	2198.8	2095.7	1970.5	1868.4	1858.1
65°	1924.8	1934.8	2052.7	2250.7	2462.2	2591.1	2410.6	2191.3	1977.7	1841.6	1834.7
67.5°	1760.8	1771.4	1930.3	2234.2	2634.1	2898.5	2548.2	2145.2	1855.3	1686.9	1673.4
70°	1361.9	1374.0	1570.3	1966.7	2596.0	2995.1	2450.2	1871.1	1530.1	1348.2	1323.8
72.5°	724.1	768.5	936.3	1349.9	2107.0	2578.8	2009.0	1365.4	986.8	806.6	774.3
75°	264.4	269.9	363.4	598.6	1225.8	1768.3	1272.9	651.2	374.4	289.2	274.4
77.5°	109.3	109.0	119.7	180.9	445.3	905.7	496.8	191.2	119.3	110.4	109.0
80°	64.6	64.6	71.2	75.3	117.2	273.3	131.0	85.3	71.5	65.3	66.4
82.5°	28.9	30.6	45.0	47.4	56.7	75.0	63.3	54.3	46.8	32.3	29.2
85°	15.8	13.8	23.7	24.8	27.2	27.9	29.9	29.6	27.2	15.8	16.2
87.5°	3.1	3.8	6.9	5.2	5.8	5.2	6.9	9.6	10.0	5.5	4.5
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)