

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: P450452

Luminaire Tested: **GALN-SA1B-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450452
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1B-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5472 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

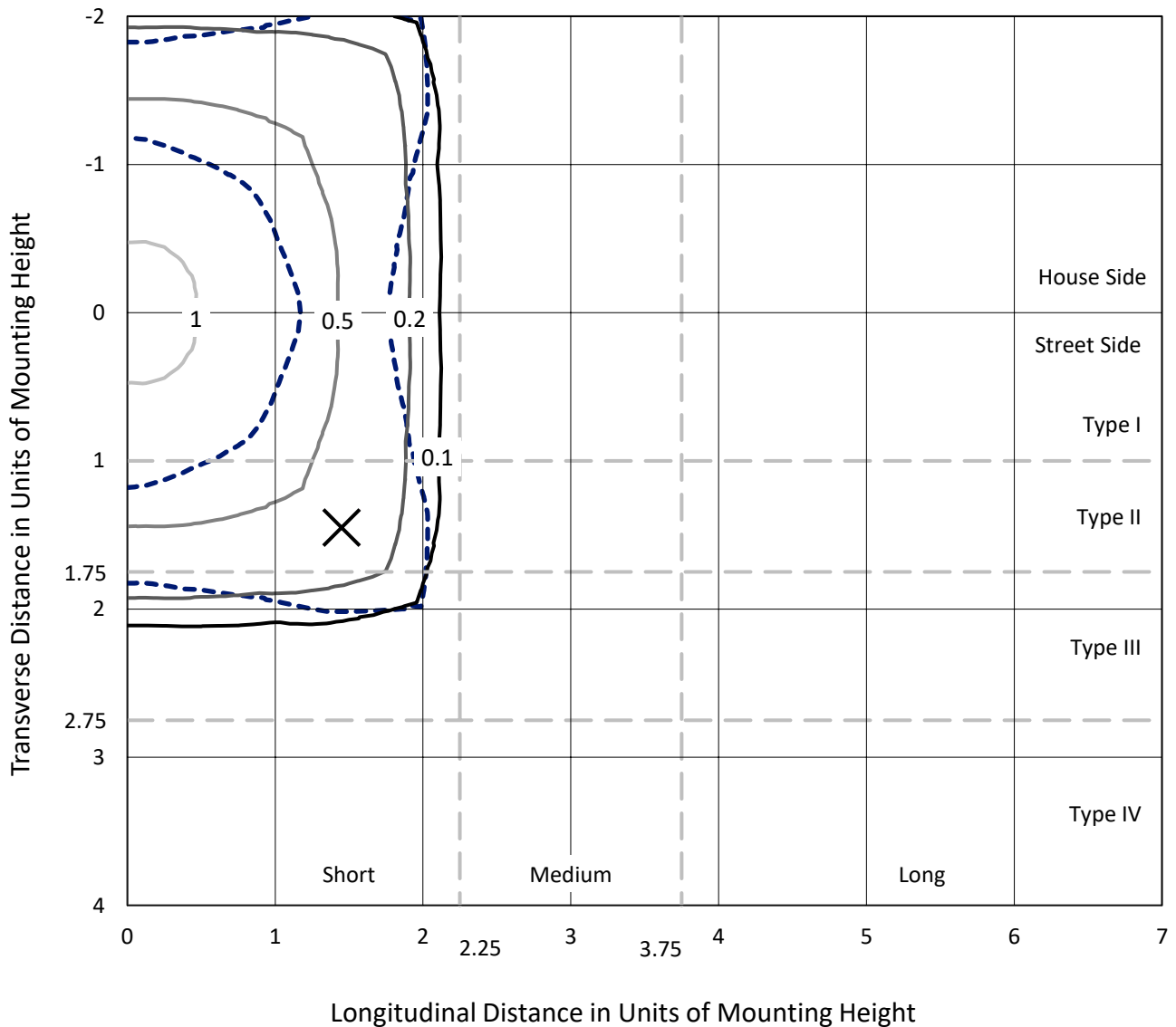
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

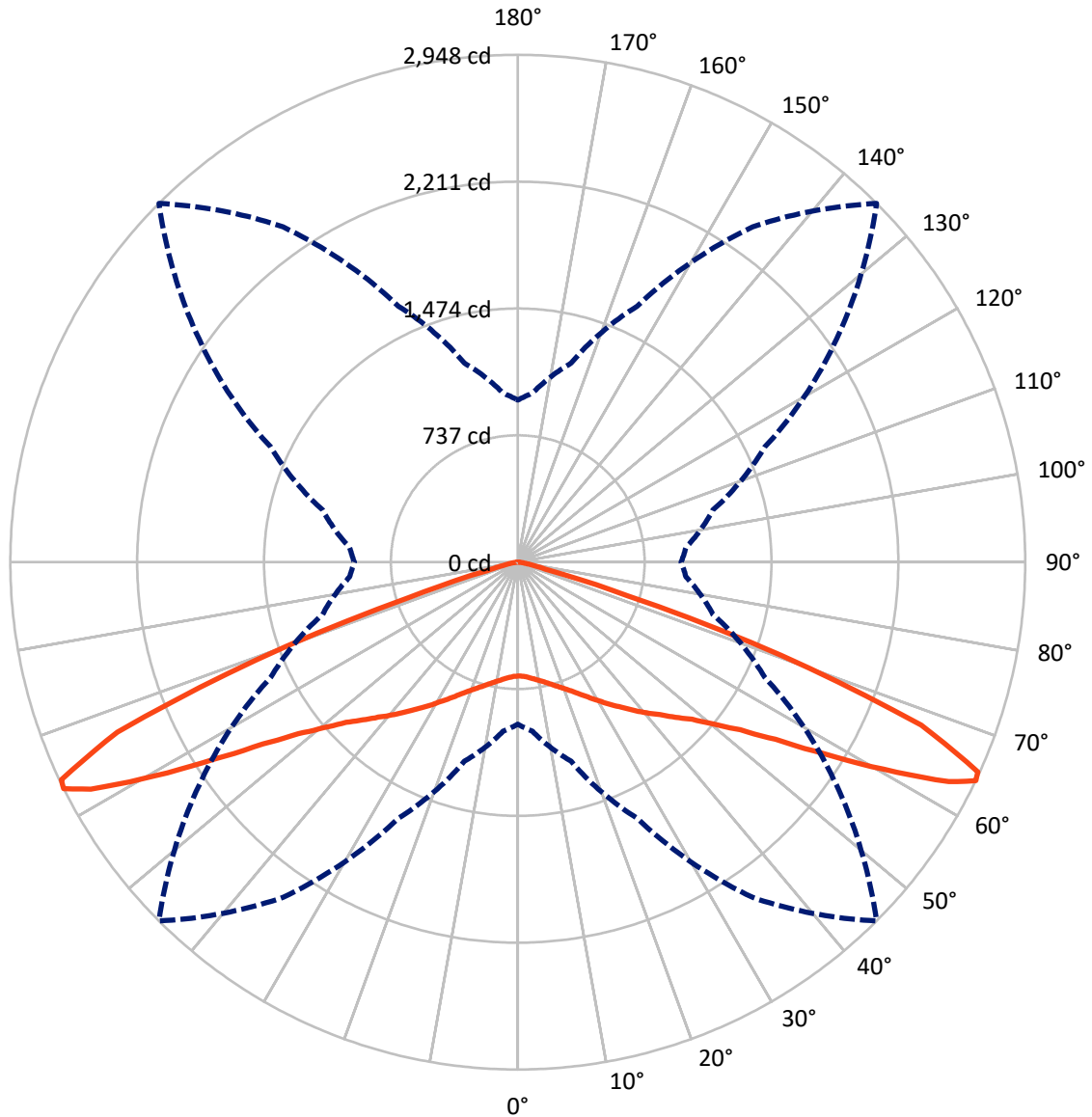
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2736.0	0.0	2736.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2736.0	0.0	2736.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5472.0	0.0	5472.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.0	1.2
10°-20°	209.6	3.8
20°-30°	396.1	7.2
30°-40°	655.9	12.0
40°-50°	1024.0	18.7
50°-60°	1583.1	28.9
60°-70°	1365.1	24.9
70°-80°	154.7	2.8
80°-90°	18.5	0.3
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°	5472.0	100.0
0°-180°	5472.0	100.0

Coefficient of Utilization



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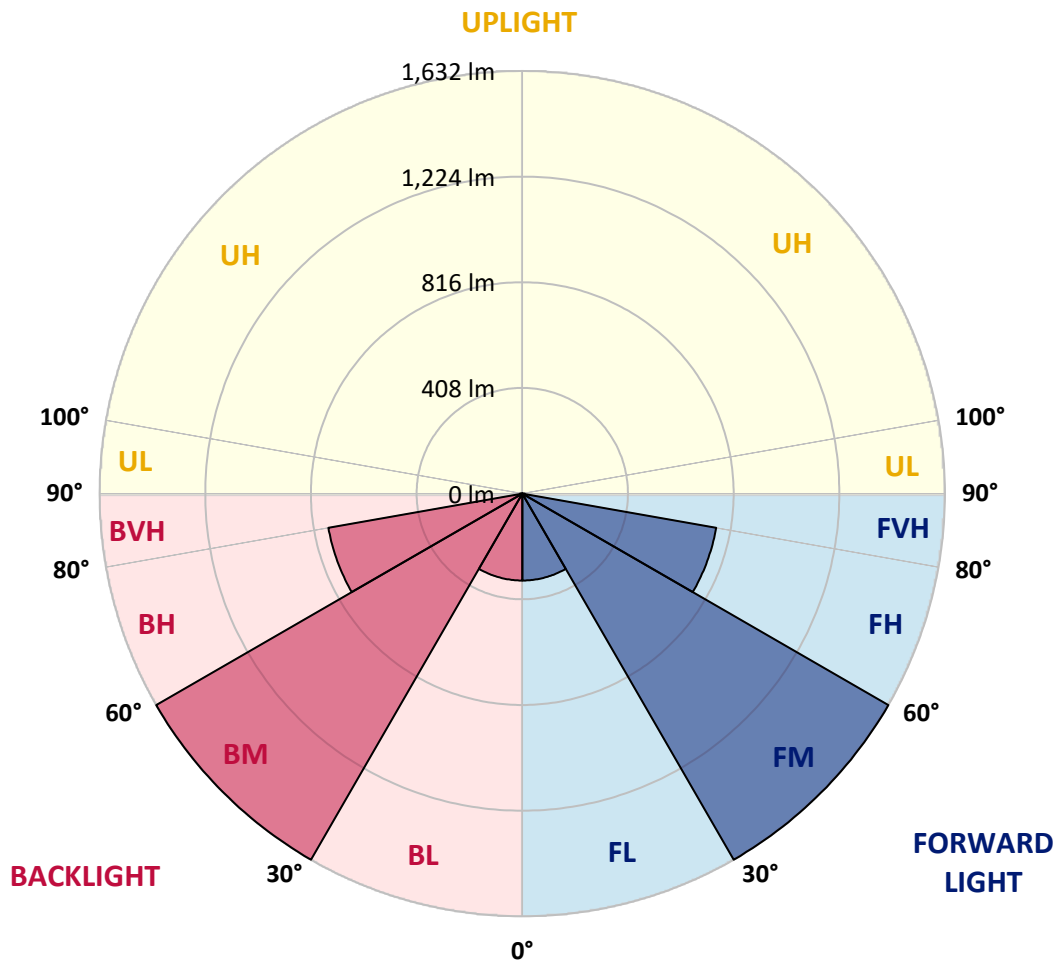
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.3	6.1			
FM	(30°-60°)	1631.5	29.8			
FH	(60°-80°)	759.9	13.9			G1/1800
FVH	(80°-90°)	9.3	0.2			G0/10
BL	(0°-30°)	335.3	6.1	B1/500		
BM	(30°-60°)	1631.5	29.8	B2/2500		
BH	(60°-80°)	759.9	13.9	B2/1000		G1/1800
BVH	(80°-90°)	9.3	0.2			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4	661.4
2.5°	664.0	665.4	664.3	664.0	663.7	663.7	663.7	664.0	665.2	666.0	665.4
5°	672.4	673.6	673.0	672.7	672.4	672.7	672.1	671.8	672.7	672.7	672.4
7.5°	682.8	684.3	683.7	684.3	684.6	684.9	683.4	682.3	682.0	682.8	682.3
10°	697.0	698.2	698.5	698.8	699.4	699.1	697.3	695.3	695.0	694.7	694.4
12.5°	713.0	713.8	714.1	715.3	716.2	716.5	714.4	712.7	709.8	710.4	709.2
15°	730.9	732.7	732.4	734.1	736.4	737.0	735.0	732.1	729.5	728.0	727.2
17.5°	753.0	754.1	753.5	755.3	758.2	759.6	757.9	754.1	751.5	748.3	746.6
20°	779.1	781.1	781.7	781.7	784.3	785.7	783.1	782.0	777.9	775.6	774.1
22.5°	808.6	809.5	811.2	813.0	815.6	815.0	814.1	812.4	808.6	806.6	804.3
25°	841.9	842.8	847.2	850.9	851.8	851.2	850.1	849.2	845.7	841.1	839.3
27.5°	880.8	882.5	888.3	891.8	891.8	892.1	889.8	892.7	885.1	879.6	879.0
30°	929.5	930.6	935.6	939.0	937.3	935.8	935.3	938.2	930.1	920.2	917.9
32.5°	977.6	981.6	986.0	993.5	987.4	984.8	984.2	986.3	977.0	966.0	962.8
35°	1029.2	1032.1	1040.2	1046.6	1041.1	1035.0	1037.6	1044.0	1032.9	1018.2	1017.6
37.5°	1086.3	1088.9	1099.3	1106.0	1101.9	1091.5	1095.8	1103.4	1092.4	1074.1	1070.3
40°	1145.7	1151.2	1164.2	1171.2	1164.5	1150.6	1158.7	1166.8	1157.0	1135.8	1127.4
42.5°	1212.3	1221.0	1239.9	1243.4	1230.6	1211.8	1226.0	1239.0	1232.1	1207.7	1204.5
45°	1290.3	1295.5	1318.7	1326.2	1308.6	1285.1	1302.8	1326.5	1321.3	1293.2	1287.1
47.5°	1377.5	1382.5	1406.5	1417.8	1395.5	1363.9	1395.8	1426.8	1423.6	1393.5	1390.6
50°	1480.7	1481.9	1515.2	1528.0	1505.6	1478.4	1506.8	1545.4	1532.6	1494.1	1493.5
52.5°	1593.8	1595.2	1637.2	1661.9	1649.4	1618.7	1652.3	1675.8	1643.3	1592.9	1589.1
55°	1691.7	1699.0	1756.3	1821.8	1838.9	1816.6	1826.8	1815.8	1735.8	1665.1	1654.0
57.5°	1731.7	1745.9	1833.2	1955.5	2066.8	2099.8	2021.5	1916.6	1772.6	1672.6	1661.9
60°	1634.0	1649.4	1784.7	2016.9	2300.9	2444.4	2224.4	1933.7	1688.8	1548.3	1531.4
62.5°	1308.6	1312.9	1512.0	1872.3	2437.4	2809.0	2309.9	1787.9	1445.1	1254.1	1247.4
64°	941.6	986.3	1197.3	1641.6	2377.7	2947.8	2260.6	1583.6	1173.8	980.5	949.2
65°	704.3	716.5	965.1	1401.9	2272.5	2937.4	2165.0	1388.3	972.1	750.4	715.6
67.5°	266.1	267.5	356.2	698.8	1617.8	2527.3	1652.3	755.3	409.5	296.2	285.5
70°	110.4	112.5	130.7	235.0	695.3	1622.7	796.7	272.4	149.8	121.4	119.7
72.5°	80.9	82.0	87.5	104.3	213.9	666.3	262.0	115.6	87.8	78.5	77.7
75°	63.5	64.1	68.1	76.8	99.7	184.6	109.0	79.4	66.9	60.3	59.7
77.5°	48.4	49.9	52.7	58.5	66.9	87.5	72.2	59.4	51.6	46.1	45.2
80°	33.3	35.1	40.6	42.9	44.9	56.8	49.3	44.9	40.3	33.6	31.6
82.5°	20.6	21.7	27.2	29.3	28.4	31.9	31.6	32.2	28.7	20.9	19.4
85°	10.7	11.3	14.8	15.4	14.2	13.0	16.2	18.8	17.7	11.9	11.6
87.5°	2.3	2.6	3.2	2.9	3.2	3.2	4.1	6.1	6.4	4.1	3.8
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)