

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: P450456

Luminaire Tested: **GALN-SA1B-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450456
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
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-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5410 lumens
Efficiency: N/A
Efficacy: 123.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

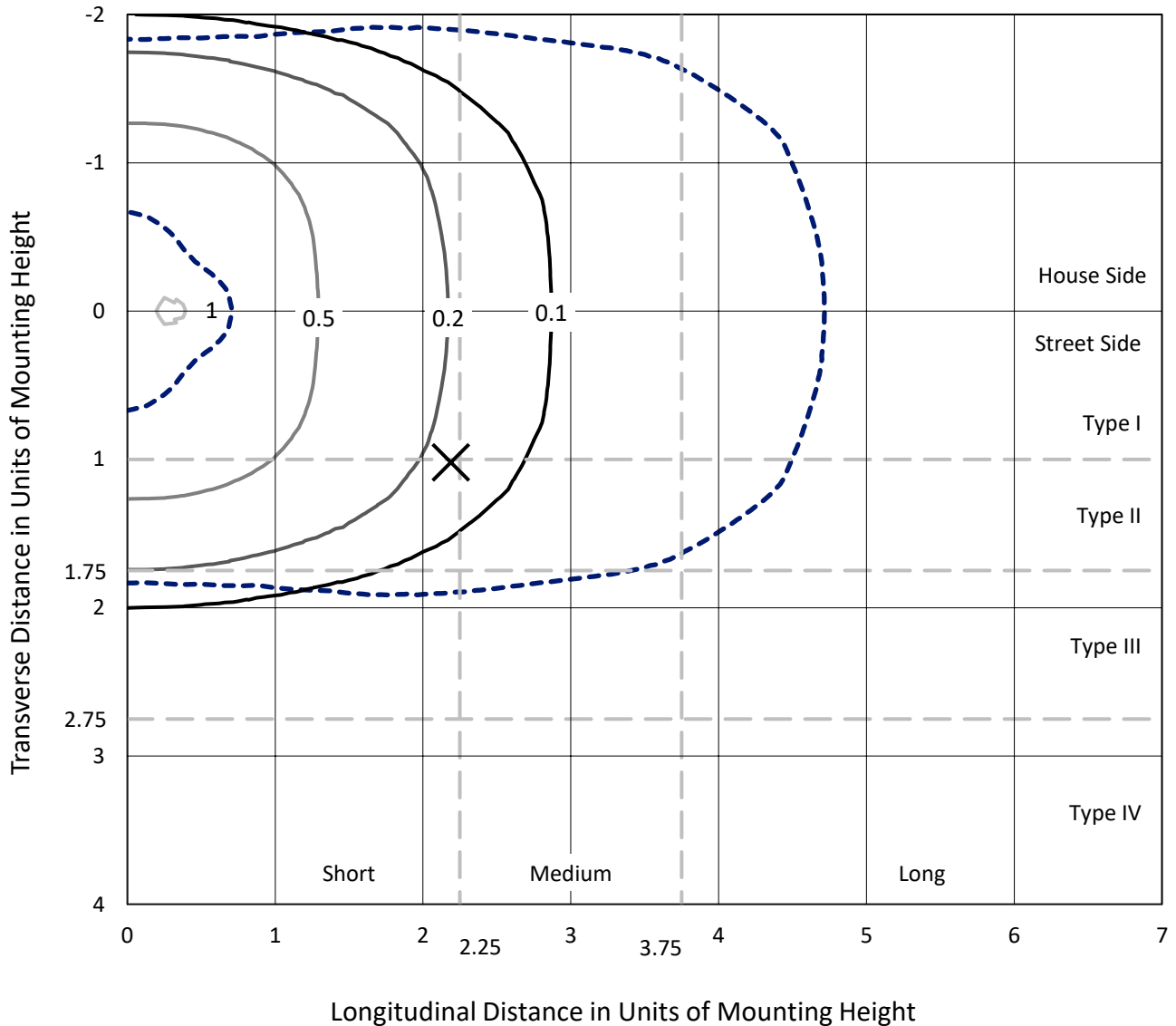
Input Watts (W): 44
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

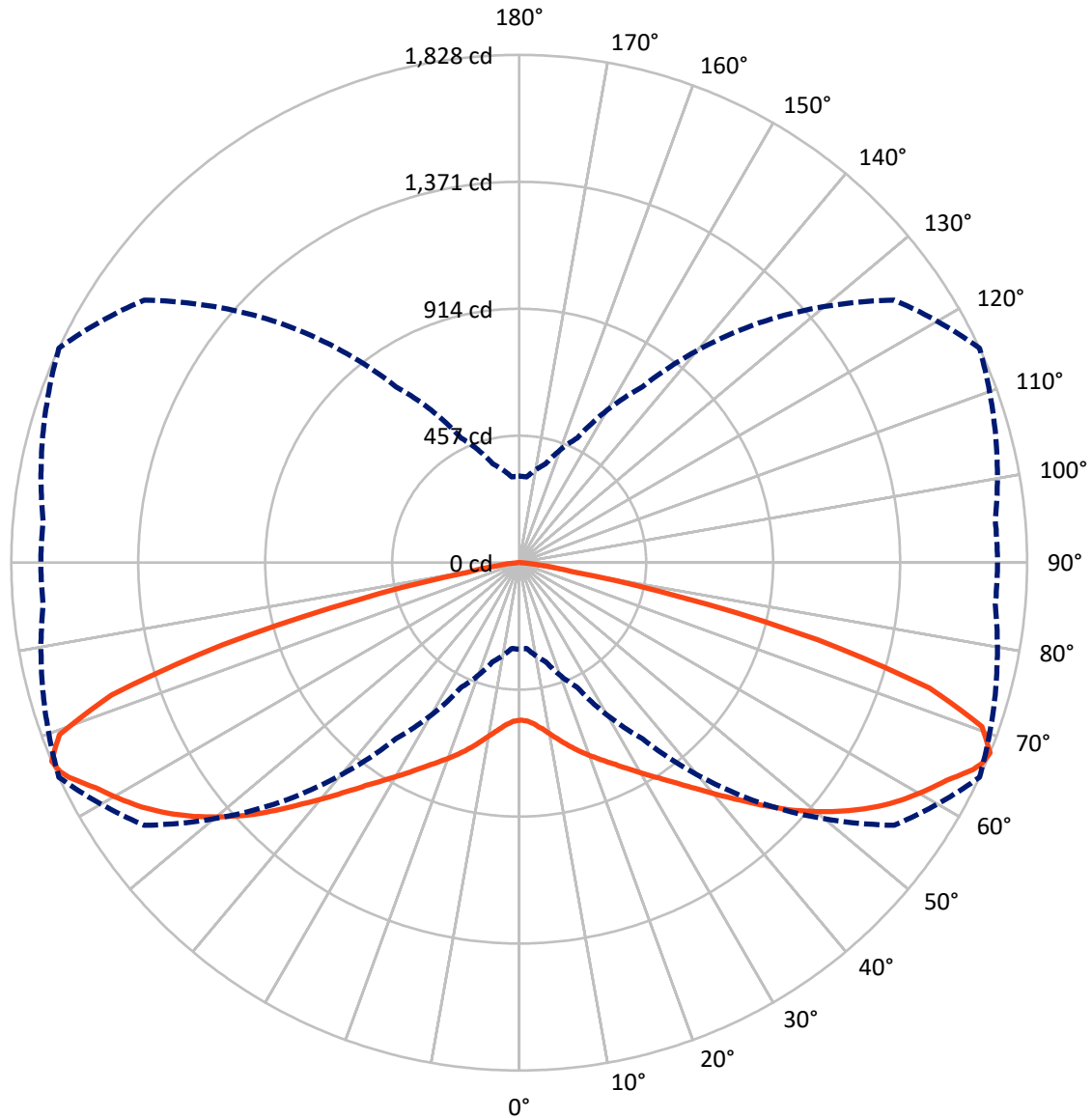
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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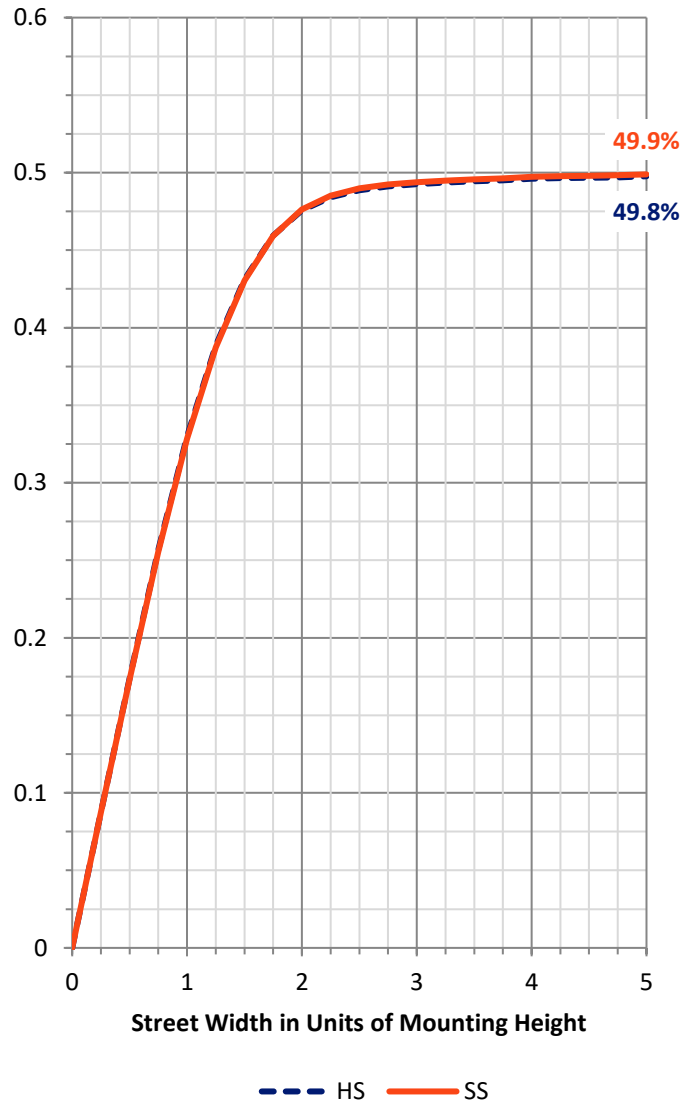
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2705.0	0.0	2705.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2705.0	0.0	2705.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	5410.0	0.0	5410.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.9	1.0
10°-20°	187.0	3.5
20°-30°	365.9	6.8
30°-40°	622.3	11.5
40°-50°	984.9	18.2
50°-60°	1306.0	24.1
60°-70°	1232.0	22.8
70°-80°	609.0	11.3
80°-90°	46.9	0.9
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°	5410.0	100.0
0°-180°	5410.0	100.0



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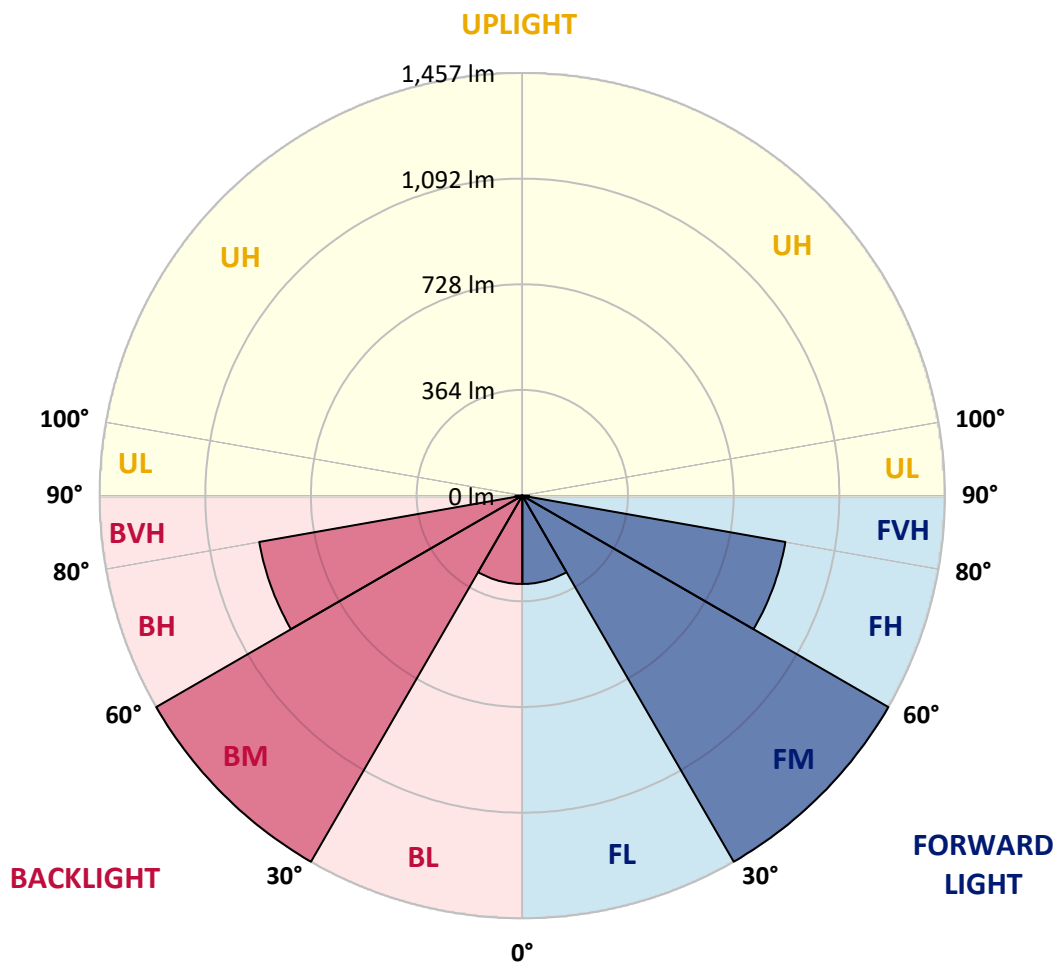
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	304.4	5.6			
FM (30°-60°)	1456.6	26.9			
FH (60°-80°)	920.5	17.0			G1/1800
FVH (80°-90°)	23.5	0.4			G1/100
BL (0°-30°)	304.4	5.6	B1/500		
BM (30°-60°)	1456.6	26.9	B2/2500		
BH (60°-80°)	920.5	17.0	B2/1000		G2/1000
BVH (80°-90°)	23.5	0.4			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6	566.6
2.5°	563.8	564.3	564.9	565.8	566.9	568.7	569.8	570.7	573.0	573.3	573.0
5°	561.7	562.3	563.8	566.4	570.1	575.3	579.4	584.3	588.1	590.7	590.1
7.5°	561.4	562.6	564.9	570.4	577.7	586.6	595.9	604.3	611.6	617.4	616.5
10°	566.1	567.5	571.3	579.4	590.7	603.8	616.8	629.3	639.7	647.2	649.8
12.5°	573.9	575.1	582.0	594.2	610.4	626.6	641.4	656.8	671.3	684.0	684.0
15°	587.5	589.5	598.2	615.9	635.9	654.8	669.8	686.1	701.7	716.2	720.6
17.5°	606.4	609.3	622.3	644.9	670.4	687.8	702.0	715.3	729.0	742.9	744.9
20°	632.2	635.1	652.4	679.7	709.8	730.7	740.3	743.5	750.1	763.5	765.2
22.5°	667.2	670.1	689.5	720.3	753.9	776.5	780.6	773.0	771.3	781.7	782.9
25°	706.9	709.5	731.9	764.9	799.7	824.3	823.2	804.6	794.2	800.6	802.3
27.5°	751.6	755.3	777.9	812.1	849.8	871.6	868.1	841.1	818.8	817.7	818.2
30°	808.7	812.7	834.2	866.9	904.0	924.0	916.8	880.6	846.1	834.5	834.5
32.5°	869.0	879.1	900.8	935.0	964.0	978.5	967.5	924.0	878.2	862.0	861.1
35°	947.5	953.0	974.5	1007.8	1029.5	1040.8	1019.7	973.0	920.3	901.1	898.5
37.5°	1024.3	1029.0	1053.9	1085.8	1112.1	1111.6	1082.9	1031.3	972.4	951.0	949.2
40°	1102.9	1107.8	1136.2	1165.5	1191.8	1189.5	1154.7	1097.1	1034.5	1010.4	1015.0
42.5°	1171.0	1176.5	1208.7	1250.4	1274.2	1273.6	1233.3	1168.4	1103.2	1081.7	1085.8
45°	1233.0	1237.9	1275.3	1323.1	1357.9	1362.3	1318.2	1249.5	1182.6	1155.0	1156.2
47.5°	1276.8	1286.0	1325.2	1380.0	1427.2	1442.6	1399.4	1332.1	1255.0	1226.3	1228.1
50°	1310.1	1315.9	1358.5	1420.8	1480.5	1512.4	1477.6	1408.7	1327.5	1297.1	1301.1
52.5°	1314.2	1321.1	1367.5	1439.4	1515.9	1564.3	1547.2	1483.4	1401.4	1370.1	1378.8
55°	1281.1	1285.2	1340.5	1427.8	1529.8	1602.9	1607.2	1553.0	1471.8	1448.1	1453.9
57.5°	1186.9	1197.4	1267.5	1373.6	1510.7	1623.4	1652.1	1616.2	1543.1	1519.7	1528.9
60°	1032.4	1042.9	1113.3	1247.8	1438.5	1613.9	1689.2	1672.1	1607.8	1588.9	1593.9
62.5°	809.0	808.1	895.3	1060.3	1295.0	1566.9	1716.8	1726.0	1671.5	1647.8	1655.3
65°	524.3	526.9	611.3	789.0	1078.5	1447.5	1722.8	1794.7	1734.2	1698.2	1703.7
66°	421.7	429.6	501.1	664.9	968.1	1369.2	1704.6	1815.0	1753.3	1709.8	1712.4
67.5°	311.3	309.8	368.7	495.1	773.0	1220.5	1647.5	1827.8	1775.0	1720.2	1721.4
70°	177.7	177.4	198.3	271.9	454.5	859.4	1388.7	1766.6	1819.1	1757.9	1754.7
72.5°	129.9	129.0	131.9	150.1	221.7	433.9	957.9	1544.0	1796.5	1751.8	1742.8
75°	109.0	108.4	107.8	110.1	124.3	196.5	508.4	1110.7	1558.8	1644.3	1635.0
77.5°	89.0	89.0	89.3	88.7	89.3	103.5	210.7	595.3	949.2	1059.7	1085.5
80°	69.6	69.3	74.2	72.2	67.5	66.4	93.3	191.6	315.1	313.3	258.5
82.5°	51.3	47.8	56.5	55.1	49.9	42.3	54.5	81.7	105.2	68.4	50.7
85°	32.5	32.2	40.0	36.5	30.4	20.0	26.1	35.1	43.5	26.4	21.4
87.5°	5.8	5.5	12.8	9.3	9.3	5.8	7.2	9.6	14.2	9.9	7.2
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)