

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: P526302

Luminaire Tested: **GALN-SA1B-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526302  
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-SA1B-730-U-5WQ-GRSWH  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH WHITE GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4449 lumens  
Efficiency: N/A  
Efficacy: 101.1 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

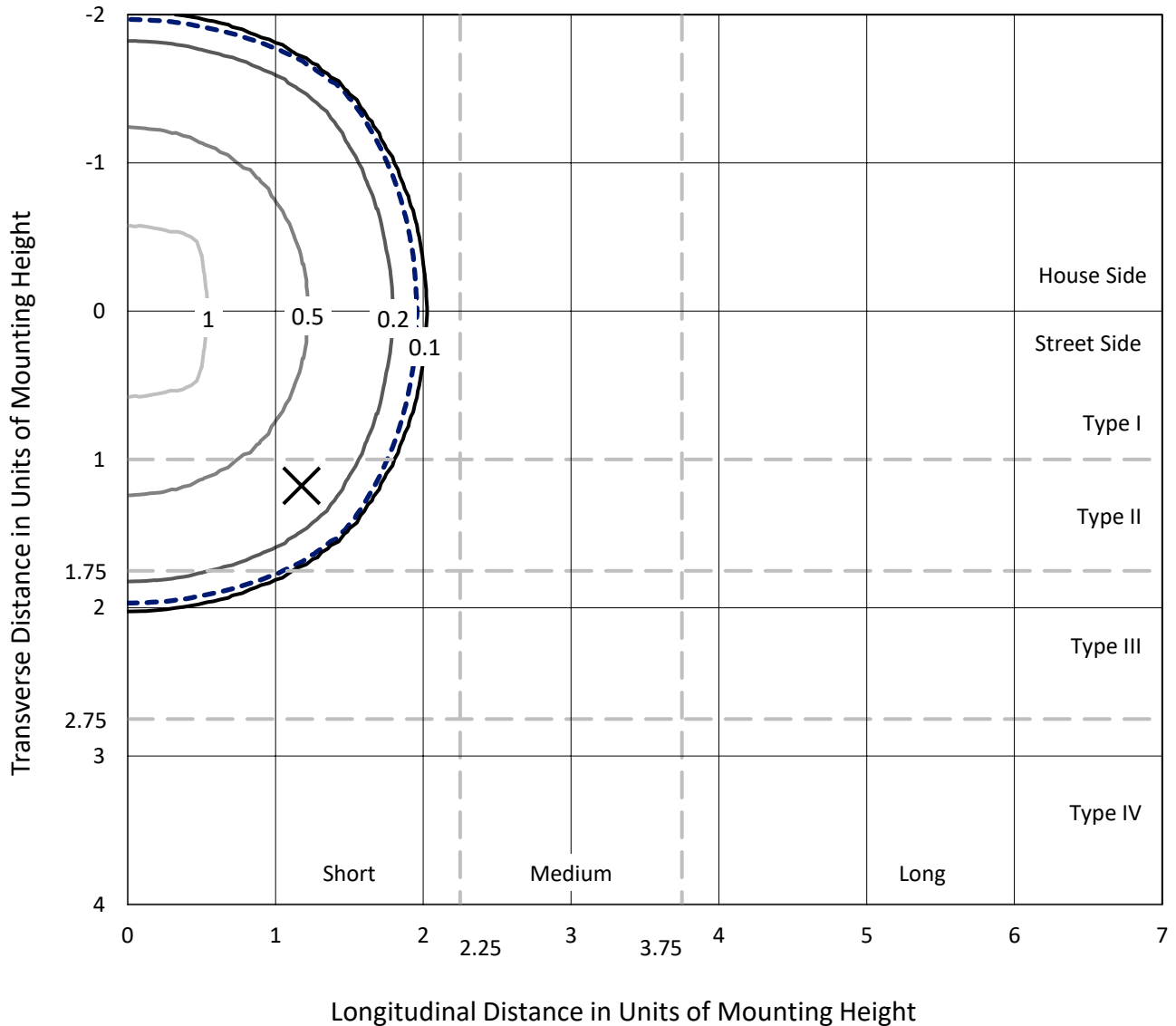
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

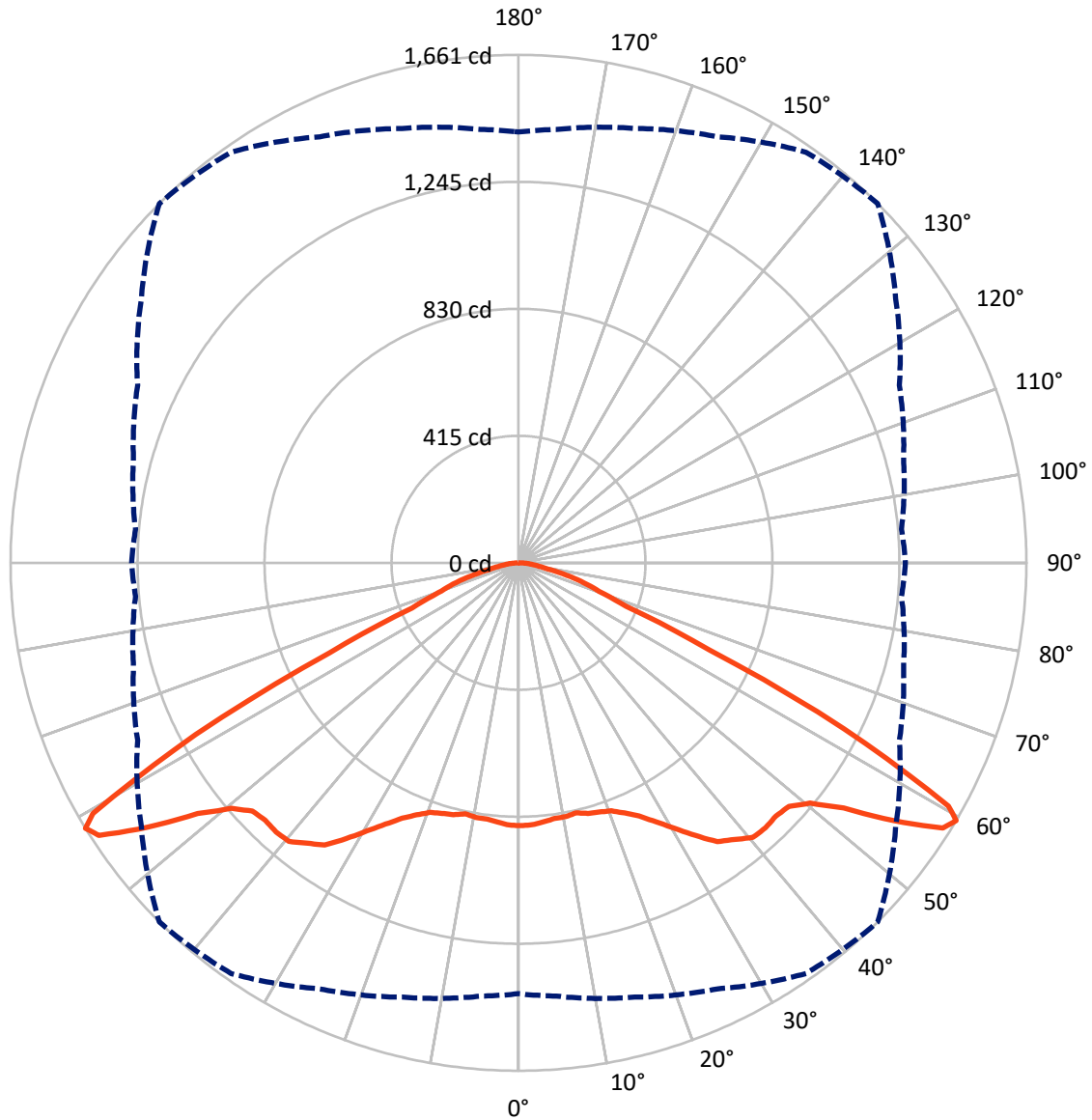
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 59-Deg Vertical

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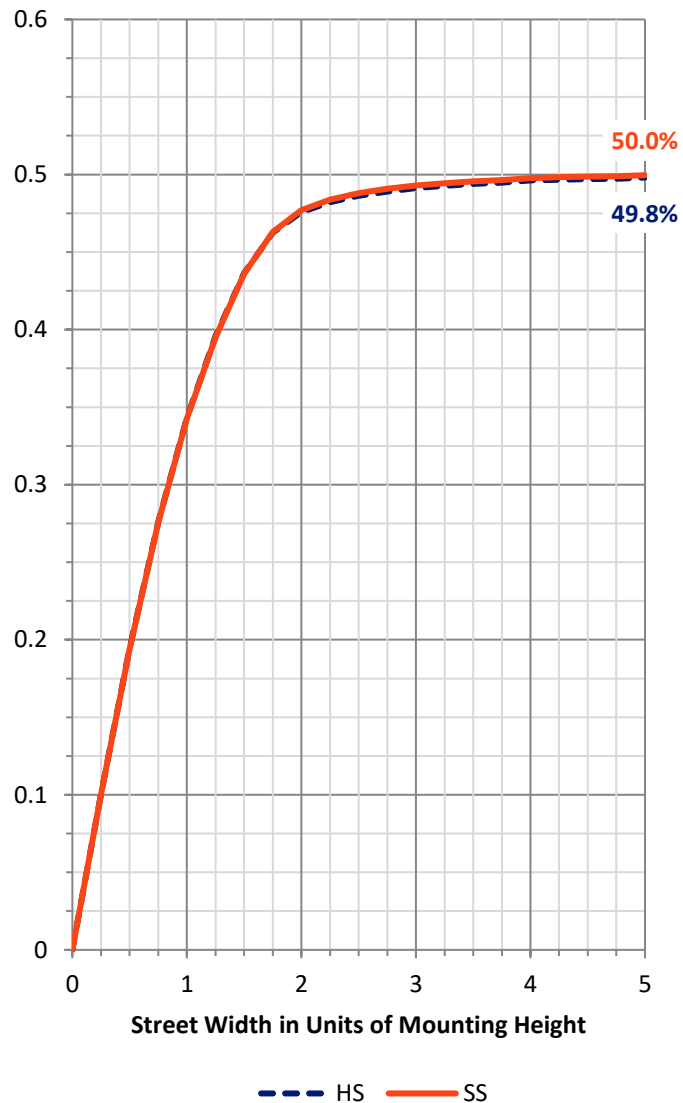
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2224.5	0.0	2224.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2224.5	0.0	2224.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	4449.0	0.0	4449.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	81.0	1.8
10°-20°	240.9	5.4
20°-30°	420.6	9.5
30°-40°	671.8	15.1
40°-50°	915.2	20.6
50°-60°	1237.5	27.8
60°-70°	678.7	15.3
70°-80°	173.6	3.9
80°-90°	29.6	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°	4449.0	100.0
0°-180°	4449.0	100.0

**Coefficient of Utilization**



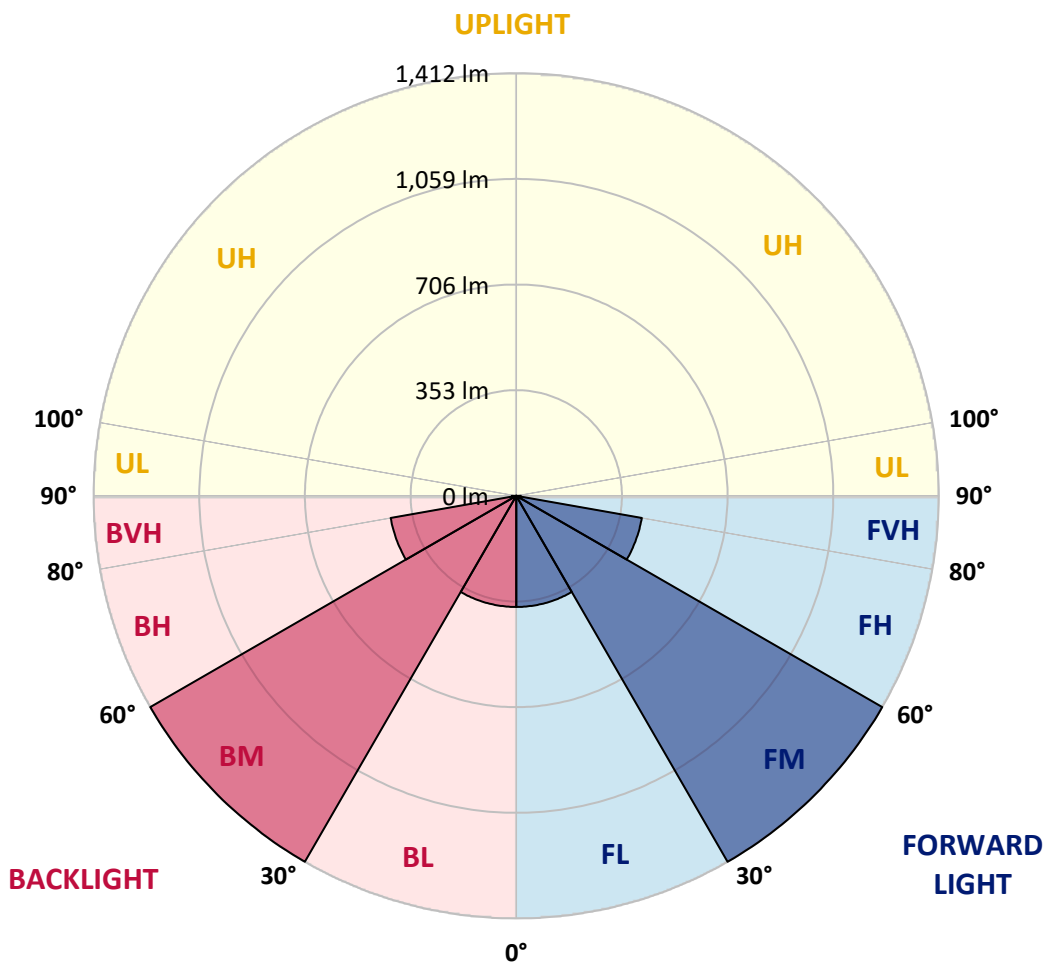
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	371.3	8.3			
FM (30°-60°)	1412.3	31.7			
FH (60°-80°)	426.1	9.6			G0/660
FVH (80°-90°)	14.8	0.3			G1/100
BL (0°-30°)	371.3	8.3	B1/500		
BM (30°-60°)	1412.3	31.7	B2/2500		
BH (60°-80°)	426.1	9.6	B1/500		G0/660
BVH (80°-90°)	14.8	0.3			G1/100
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°	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3	859.3
2.5°	854.2	860.5	855.9	859.9	859.3	857.6	854.8	853.1	850.8	854.2	848.5
5°	850.8	855.9	861.0	854.2	854.2	850.8	849.1	845.6	845.6	845.1	844.5
7.5°	856.5	851.4	849.1	850.2	851.4	843.9	849.1	842.2	836.5	840.5	845.1
10°	851.4	853.6	845.1	849.1	842.8	843.9	840.5	845.1	838.8	838.8	838.8
12.5°	856.5	850.2	853.1	850.2	848.5	838.8	843.4	838.2	837.7	843.4	838.2
15°	866.7	856.5	854.2	848.5	850.2	850.2	845.6	846.2	839.9	843.4	844.5
17.5°	863.3	857.6	855.9	849.1	854.8	856.5	847.9	842.2	846.2	845.6	845.1
20°	866.2	868.5	866.7	867.9	870.2	865.6	857.6	849.6	844.5	851.9	851.4
22.5°	884.4	882.1	881.0	879.9	883.9	888.4	877.6	865.0	865.0	870.2	872.4
25°	899.3	898.7	898.1	903.2	916.9	916.9	903.2	887.3	883.3	886.7	883.9
27.5°	920.9	927.2	924.9	934.0	954.0	958.6	940.3	921.5	910.7	906.7	911.8
30°	970.5	963.1	964.8	974.5	992.2	1007.0	979.1	959.1	944.3	943.7	946.0
32.5°	1003.6	1009.3	1014.4	1023.6	1051.5	1062.9	1029.3	996.8	987.6	982.5	984.2
35°	1069.7	1064.6	1063.5	1072.6	1100.5	1119.4	1077.2	1048.6	1036.7	1048.1	1048.1
37.5°	1132.5	1118.2	1107.4	1119.4	1145.0	1147.3	1111.4	1096.0	1089.7	1102.8	1102.3
40°	1162.1	1161.0	1135.9	1142.7	1177.0	1180.4	1146.7	1128.5	1127.3	1144.4	1161.6
42.5°	1192.9	1182.1	1157.0	1161.6	1182.7	1183.8	1151.9	1146.7	1159.3	1175.8	1177.0
45°	1198.0	1188.9	1173.0	1161.6	1177.0	1180.4	1161.6	1165.0	1166.1	1186.1	1186.1
47.5°	1208.3	1207.2	1198.0	1189.5	1192.3	1189.5	1177.5	1182.7	1199.8	1209.5	1204.9
50°	1236.8	1224.9	1234.0	1226.6	1227.1	1235.1	1224.3	1229.4	1226.0	1217.4	1211.7
52.5°	1299.6	1293.8	1301.8	1307.0	1312.7	1330.9	1318.4	1291.0	1265.3	1242.5	1242.0
55°	1391.4	1395.3	1410.7	1437.0	1459.2	1488.3	1427.9	1362.3	1321.2	1285.3	1287.6
57.5°	1478.0	1475.2	1496.3	1556.2	1621.2	1636.0	1517.4	1423.9	1357.1	1334.3	1324.6
59°	1408.5	1422.1	1470.0	1536.8	1638.8	1660.5	1505.4	1373.7	1303.0	1256.8	1264.8
60°	1299.0	1304.1	1346.9	1439.8	1577.8	1614.9	1425.0	1296.1	1202.0	1175.2	1187.2
62.5°	918.1	914.1	944.9	1020.7	1144.4	1194.6	1059.5	968.8	909.5	879.9	886.7
65°	488.1	506.4	518.9	566.2	631.8	684.8	629.0	589.6	556.5	532.0	531.5
67.5°	329.6	327.3	330.2	341.0	363.2	378.1	376.9	357.0	354.1	349.5	354.7
70°	277.7	276.6	271.4	271.4	276.0	279.4	283.4	285.7	290.2	295.9	295.4
72.5°	225.2	222.4	219.0	217.3	223.0	224.7	229.8	232.1	236.1	235.5	240.6
75°	148.8	148.8	152.8	157.4	159.1	162.5	163.1	169.9	169.9	171.1	166.5
77.5°	83.3	81.0	83.8	88.4	92.4	98.6	104.9	110.1	112.9	111.8	111.8
80°	48.5	48.5	51.3	56.5	61.6	67.3	71.8	75.8	78.7	77.6	75.3
82.5°	30.2	30.2	33.1	38.2	42.2	45.6	51.9	57.0	60.4	59.3	56.5
85°	15.4	15.4	18.8	22.2	27.4	29.7	29.1	26.8	26.2	23.4	23.4
87.5°	4.0	4.0	5.7	6.3	5.1	5.7	5.7	5.7	5.7	5.7	6.3
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)