

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: P526769

Luminaire Tested: **GALN-SA1D-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P526769  
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-SA1D-730-U-5WQ-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3718 lumens  
Efficiency: N/A  
Efficacy: 57.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B2 - U0 - G0

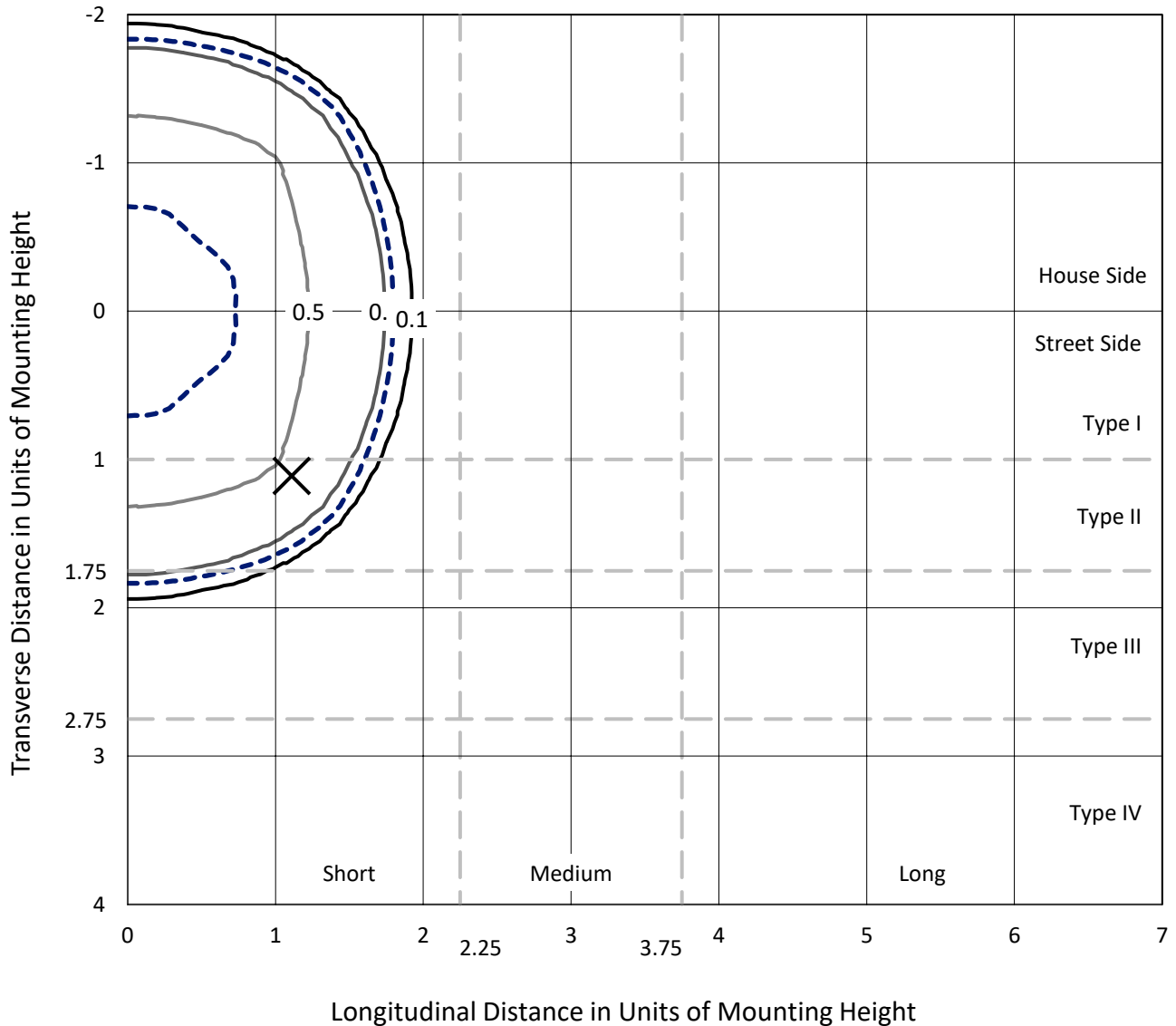
Input Watts (W): 65  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

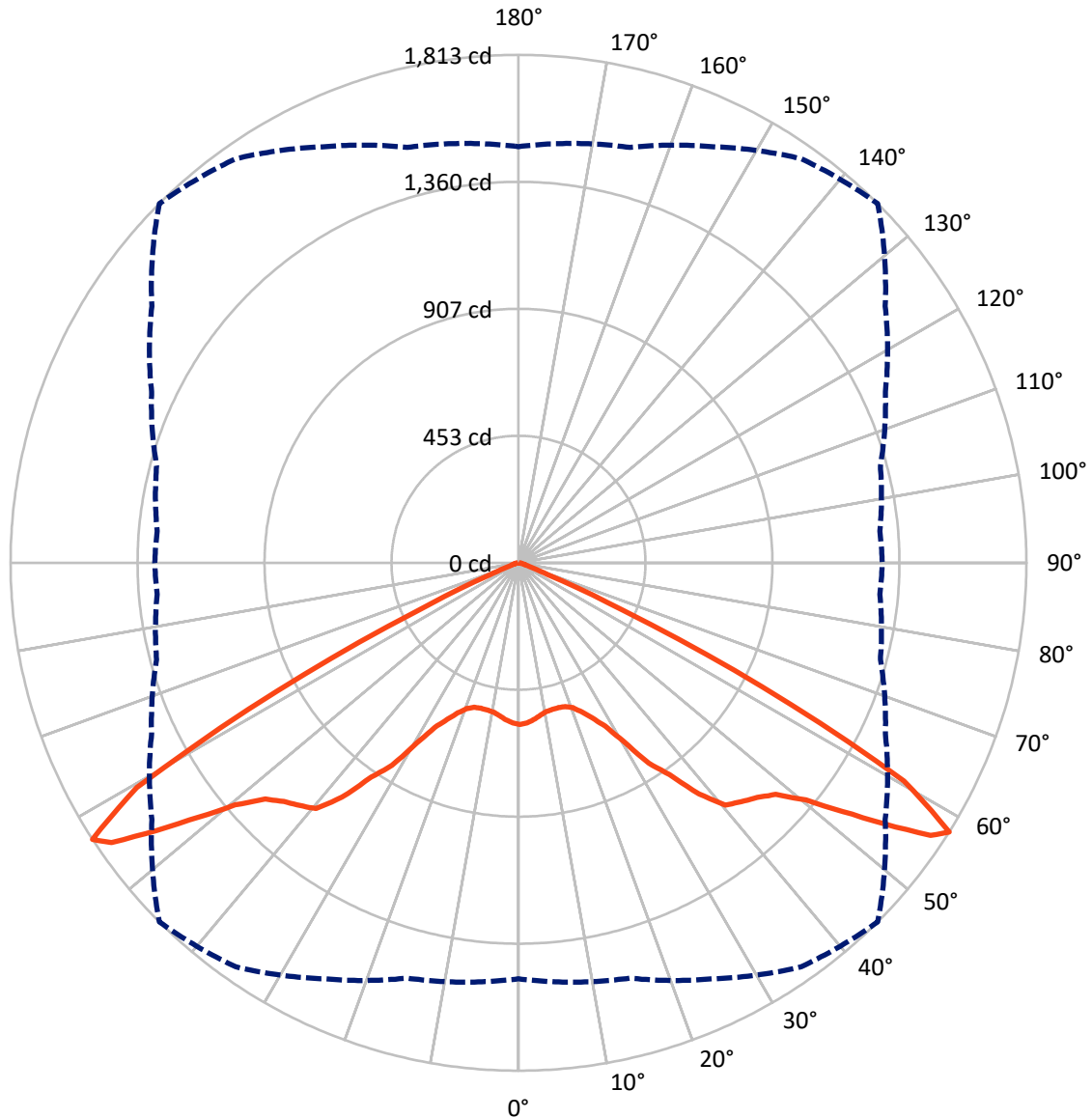
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



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

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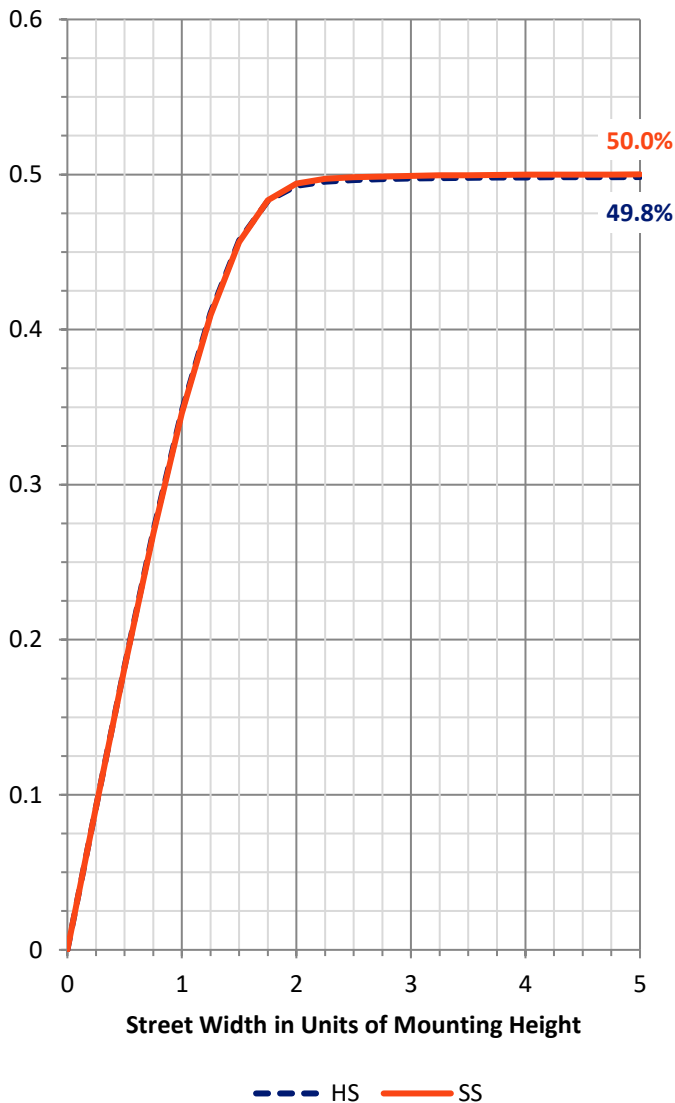
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1859.0	0.0	1859.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	1859.0	0.0	1859.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	3718.0	0.0	3718.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.0	1.4
10°-20°	153.2	4.1
20°-30°	282.8	7.6
30°-40°	556.1	15.0
40°-50°	905.7	24.4
50°-60°	1291.6	34.7
60°-70°	447.2	12.0
70°-80°	24.0	0.6
80°-90°	4.5	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°	3718.0	100.0
0°-180°	3718.0	100.0

**Coefficient of Utilization**

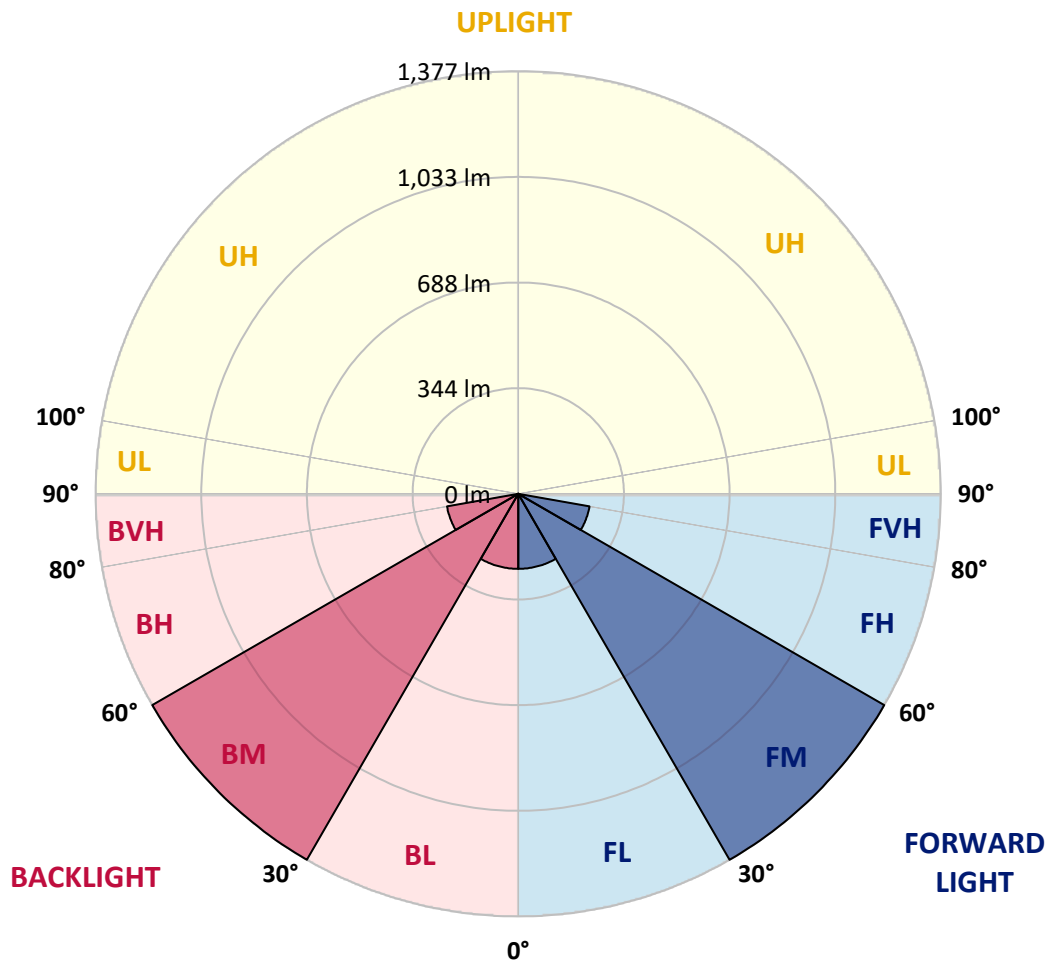


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.5	6.6			
FM (30°-60°)	1376.7	37.0			
FH (60°-80°)	235.6	6.3			G0/660
FVH (80°-90°)	2.3	0.1			G0/10
BL (0°-30°)	244.5	6.6	B1/500		
BM (30°-60°)	1376.7	37.0	B2/2500		
BH (60°-80°)	235.6	6.3	B1/500		G0/660
BVH (80°-90°)	2.3	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°	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7	576.7
2.5°	575.2	578.3	574.4	572.8	572.0	572.0	569.7	569.7	568.9	569.7	566.6
5°	565.8	568.9	568.9	568.2	563.5	562.7	560.4	558.9	559.6	556.5	558.9
7.5°	556.5	558.9	555.8	555.0	553.4	550.3	549.6	542.6	543.4	543.4	544.9
10°	555.0	554.2	549.6	545.7	541.0	540.3	537.9	536.4	536.4	535.6	537.9
12.5°	555.0	551.1	550.3	541.8	534.1	537.2	531.0	527.1	532.5	534.1	537.2
15°	554.2	558.1	544.9	541.0	535.6	536.4	531.0	527.1	530.2	531.7	534.1
17.5°	558.9	556.5	552.7	544.9	542.6	539.5	532.5	529.4	529.4	533.3	534.1
20°	571.3	565.1	557.3	553.4	555.8	551.9	543.4	531.7	534.8	537.9	540.3
22.5°	582.9	578.3	572.8	570.5	583.7	577.5	562.7	549.6	544.9	550.3	554.2
25°	605.4	605.4	595.3	598.4	613.1	613.9	596.9	573.6	570.5	572.8	574.4
27.5°	651.1	653.4	644.9	648.0	654.2	659.6	644.9	625.5	618.6	617.8	620.1
30°	700.7	705.4	704.6	717.8	735.6	738.7	717.0	685.2	664.3	660.4	663.5
32.5°	765.8	768.2	766.6	782.1	830.2	852.6	796.1	751.1	723.2	730.2	723.2
35°	888.3	886.0	868.9	872.0	911.6	927.8	873.6	844.9	831.7	845.7	842.6
37.5°	993.7	985.2	971.2	991.4	1032.5	1047.2	990.6	940.2	916.2	939.5	949.5
40°	1082.9	1061.2	1041.8	1061.9	1117.0	1137.1	1054.2	1013.1	1003.8	1020.9	1042.6
42.5°	1158.1	1144.1	1118.5	1120.1	1156.5	1165.8	1099.1	1075.1	1065.8	1092.9	1103.8
45°	1211.5	1198.4	1174.3	1172.8	1200.7	1194.5	1134.8	1118.5	1123.9	1141.8	1147.2
47.5°	1238.7	1245.6	1231.7	1235.6	1250.3	1235.6	1188.3	1188.3	1175.9	1186.7	1181.3
50°	1317.0	1295.3	1313.1	1313.1	1328.6	1330.1	1282.8	1265.8	1232.5	1213.9	1213.9
52.5°	1408.4	1410.0	1416.9	1442.5	1468.9	1491.4	1423.9	1351.1	1295.3	1271.2	1268.1
55°	1483.6	1499.1	1527.0	1575.1	1651.0	1682.0	1565.8	1435.6	1367.3	1330.1	1322.4
56°	1524.7	1510.0	1558.0	1623.9	1723.1	1763.4	1589.0	1452.6	1377.4	1335.6	1334.8
57.5°	1485.2	1501.4	1534.8	1638.6	1760.3	1813.0	1597.6	1444.9	1337.1	1294.5	1298.4
60°	1172.8	1188.3	1233.2	1349.5	1540.2	1581.3	1351.8	1191.4	1095.3	1034.0	1034.8
62.5°	663.5	675.1	710.0	817.8	936.4	975.9	842.6	735.6	668.9	634.8	624.0
65°	244.2	239.5	244.9	300.0	372.8	406.2	350.4	296.1	261.2	248.8	244.2
67.5°	91.5	84.5	79.1	84.5	106.2	112.4	103.1	86.0	80.6	82.9	84.5
70°	56.6	53.5	42.6	40.3	39.5	38.8	41.1	43.4	49.6	58.1	59.7
72.5°	39.5	37.2	30.2	28.7	27.1	26.4	30.2	33.3	38.8	45.0	45.7
75°	15.5	16.3	15.5	17.1	17.8	18.6	21.7	24.0	26.4	26.4	25.6
77.5°	3.1	3.1	4.7	6.2	7.8	10.1	14.7	17.1	17.8	17.1	14.7
80°	0.0	0.0	1.6	3.1	6.2	8.5	13.2	14.7	16.3	14.7	11.6
82.5°	0.0	0.0	1.6	3.9	6.2	7.8	12.4	15.5	17.8	16.3	12.4
85°	0.0	0.0	1.6	3.1	4.7	5.4	5.4	3.9	3.9	2.3	1.6
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)