

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: P527705

Luminaire Tested: **GALN-SA2D-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527705
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-SA2D-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7390 lumens
Efficiency: N/A
Efficacy: 59.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

Input Watts (W): 125
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

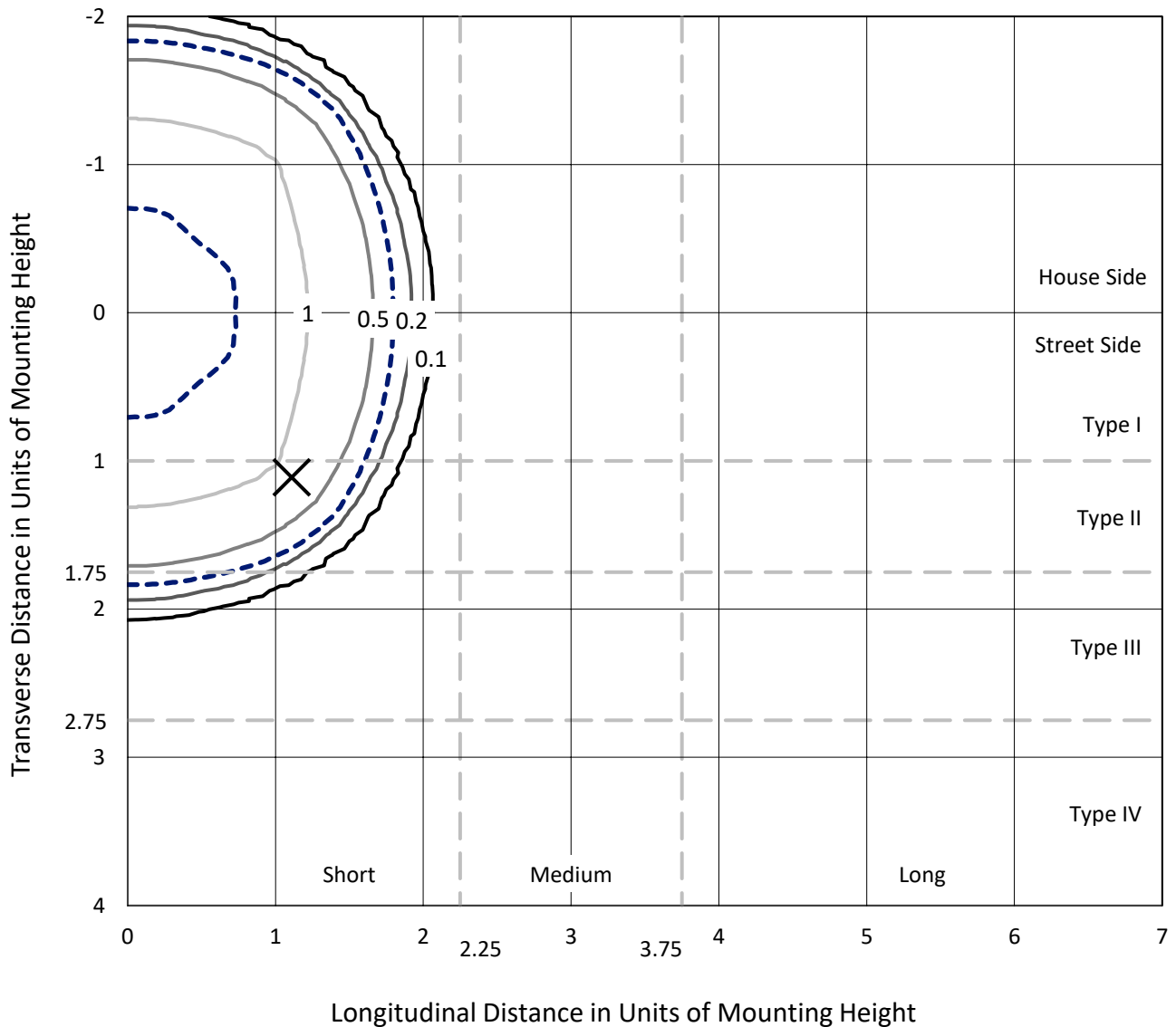




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Iso-Footcandle Lines of Horizontal Illumination

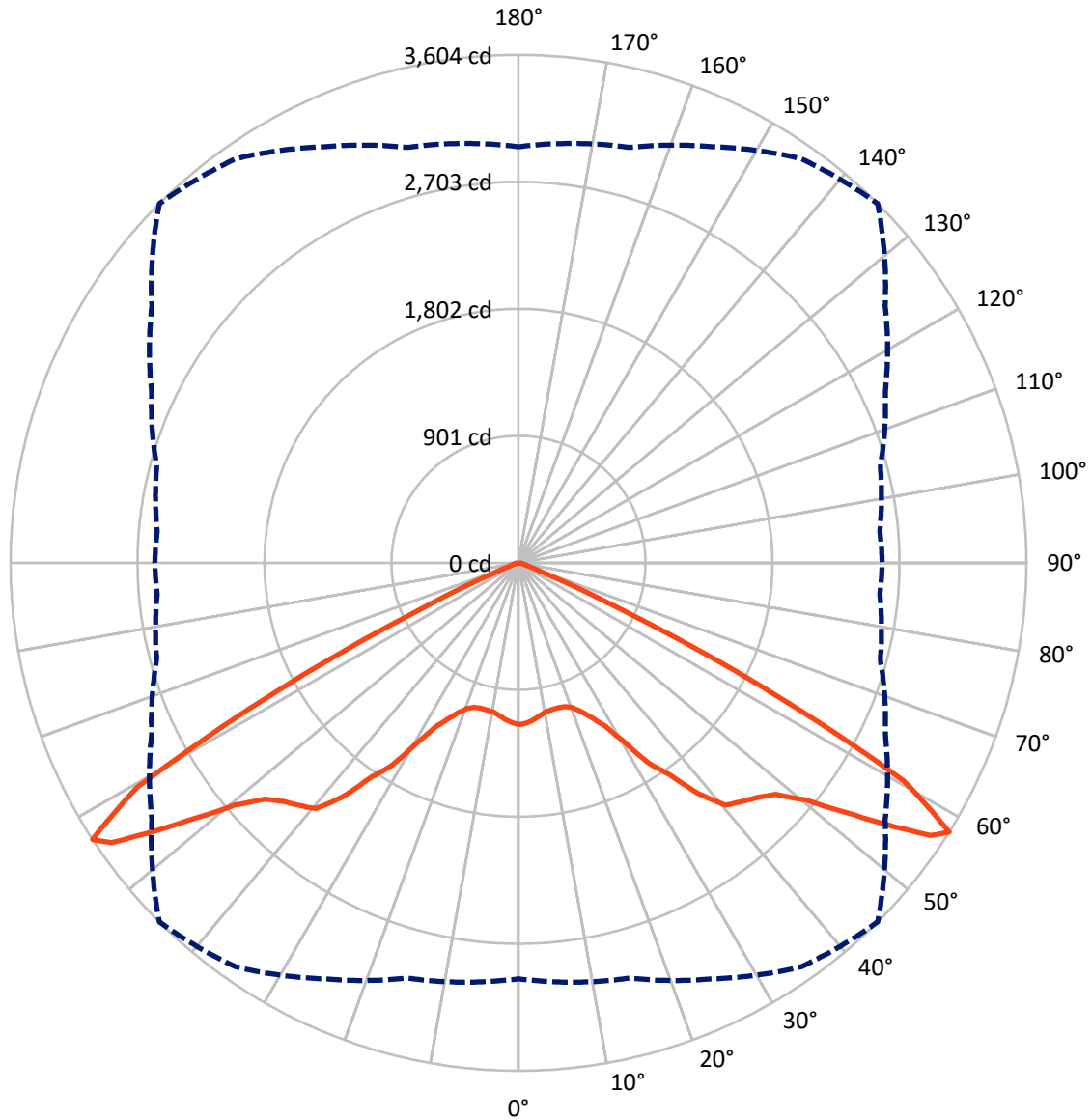
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 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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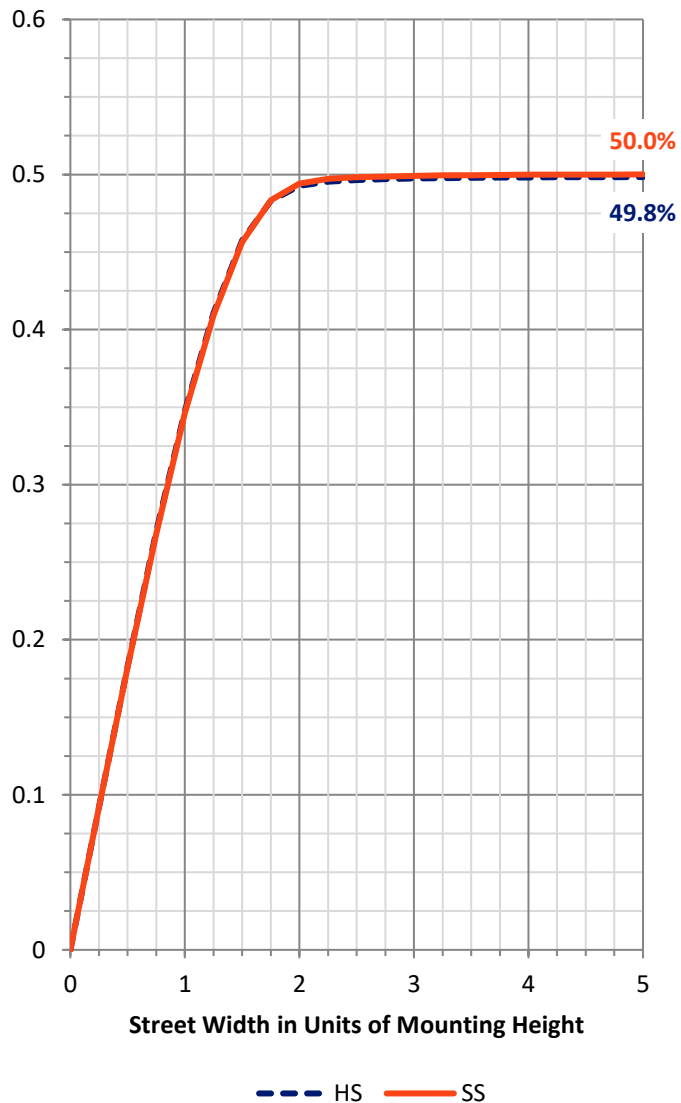
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3695.0	0.0	3695.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3695.0	0.0	3695.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7390.0	0.0	7390.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.4
10°-20°	304.5	4.1
20°-30°	562.0	7.6
30°-40°	1105.3	15.0
40°-50°	1800.2	24.4
50°-60°	2567.3	34.7
60°-70°	888.8	12.0
70°-80°	47.7	0.6
80°-90°	9.0	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°	7390.0	100.0
0°-180°	7390.0	100.0

Coefficient of Utilization

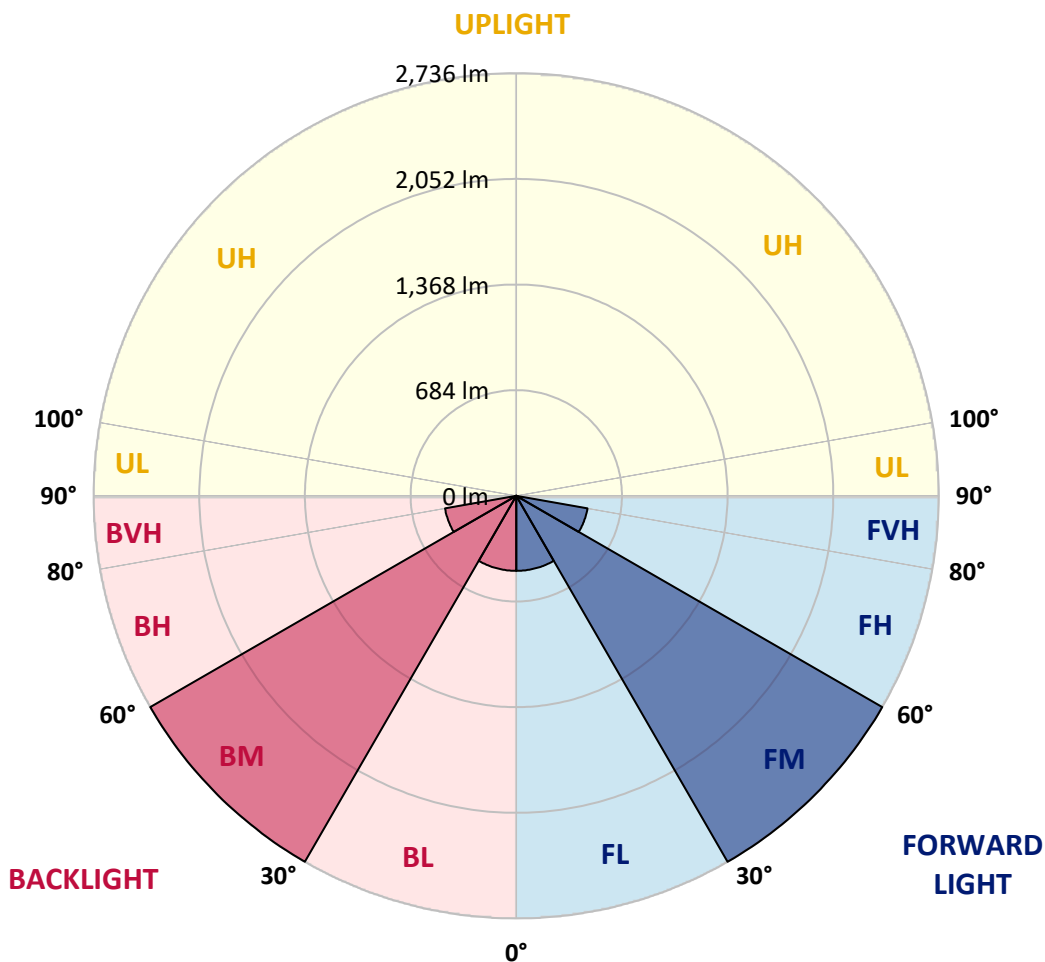


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.9	6.6			
FM (30°-60°)	2736.3	37.0			
FH (60°-80°)	468.3	6.3			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	485.9	6.6	B1/500		
BM (30°-60°)	2736.3	37.0	B3/5000		
BH (60°-80°)	468.3	6.3	B1/500		G0/660
BVH (80°-90°)	4.5	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3	1146.3
2.5°	1143.2	1149.3	1141.6	1138.6	1137.0	1137.0	1132.4	1132.4	1130.9	1132.4	1126.2
5°	1124.7	1130.9	1130.9	1129.3	1120.1	1118.5	1113.9	1110.8	1112.4	1106.2	1110.8
7.5°	1106.2	1110.8	1104.7	1103.1	1100.0	1093.9	1092.3	1078.5	1080.0	1080.0	1083.1
10°	1103.1	1101.6	1092.3	1084.6	1075.4	1073.9	1069.2	1066.2	1066.2	1064.6	1069.2
12.5°	1103.1	1095.4	1093.9	1076.9	1061.5	1067.7	1055.4	1047.7	1058.4	1061.5	1067.7
15°	1101.6	1109.3	1083.1	1075.4	1064.6	1066.2	1055.4	1047.7	1053.8	1056.9	1061.5
17.5°	1110.8	1106.2	1098.5	1083.1	1078.5	1072.3	1058.4	1052.3	1052.3	1060.0	1061.5
20°	1135.5	1123.2	1107.7	1100.0	1104.7	1097.0	1080.0	1056.9	1063.1	1069.2	1073.9
22.5°	1158.6	1149.3	1138.6	1133.9	1160.1	1147.8	1118.5	1092.3	1083.1	1093.9	1101.6
25°	1203.3	1203.3	1183.2	1189.4	1218.7	1220.2	1186.3	1140.1	1133.9	1138.6	1141.6
27.5°	1294.2	1298.8	1281.8	1288.0	1300.3	1311.1	1281.8	1243.3	1229.5	1227.9	1232.5
30°	1392.8	1402.0	1400.5	1426.7	1462.1	1468.3	1425.1	1362.0	1320.4	1312.7	1318.8
32.5°	1522.2	1526.8	1523.7	1554.5	1650.1	1694.7	1582.3	1492.9	1437.5	1451.3	1437.5
35°	1765.6	1761.0	1727.1	1733.3	1811.8	1844.2	1736.3	1679.3	1653.2	1680.9	1674.7
37.5°	1975.2	1958.2	1930.5	1970.5	2052.2	2081.5	1969.0	1868.8	1821.1	1867.3	1887.3
40°	2152.3	2109.2	2070.7	2110.7	2220.1	2260.2	2095.3	2013.7	1995.2	2029.1	2072.2
42.5°	2301.8	2274.0	2223.2	2226.3	2298.7	2317.2	2184.7	2136.9	2118.4	2172.4	2193.9
45°	2408.1	2381.9	2334.1	2331.0	2386.5	2374.2	2255.6	2223.2	2234.0	2269.4	2280.2
47.5°	2462.0	2475.9	2448.1	2455.8	2485.1	2455.8	2361.9	2361.9	2337.2	2358.8	2348.0
50°	2617.6	2574.5	2609.9	2609.9	2640.7	2643.8	2549.8	2515.9	2449.7	2412.7	2412.7
52.5°	2799.4	2802.5	2816.4	2867.2	2919.6	2964.3	2830.2	2685.4	2574.5	2526.7	2520.6
55°	2948.9	2979.7	3035.1	3130.7	3281.6	3343.3	3112.2	2853.3	2717.8	2643.8	2628.4
56°	3030.5	3001.2	3096.8	3227.7	3424.9	3505.0	3158.4	2887.2	2737.8	2654.6	2653.1
57.5°	2951.9	2984.3	3050.5	3257.0	3498.9	3603.7	3175.3	2871.8	2657.7	2572.9	2580.6
60°	2331.0	2361.9	2451.2	2682.3	3061.3	3143.0	2686.9	2368.0	2177.0	2055.3	2056.8
62.5°	1318.8	1341.9	1411.3	1625.4	1861.1	1939.7	1674.7	1462.1	1329.6	1261.8	1240.2
65°	485.3	476.1	486.9	596.2	741.1	807.3	696.4	588.5	519.2	494.6	485.3
67.5°	181.8	167.9	157.1	167.9	211.1	223.4	204.9	171.0	160.2	164.9	167.9
70°	112.5	106.3	84.7	80.1	78.6	77.0	81.7	86.3	98.6	115.6	118.6
72.5°	78.6	74.0	60.1	57.0	53.9	52.4	60.1	66.2	77.0	89.4	90.9
75°	30.8	32.4	30.8	33.9	35.4	37.0	43.1	47.8	52.4	52.4	50.8
77.5°	6.2	6.2	9.2	12.3	15.4	20.0	29.3	33.9	35.4	33.9	29.3
80°	0.0	0.0	3.1	6.2	12.3	16.9	26.2	29.3	32.4	29.3	23.1
82.5°	0.0	0.0	3.1	7.7	12.3	15.4	24.7	30.8	35.4	32.4	24.7
85°	0.0	0.0	3.1	6.2	9.2	10.8	10.8	7.7	7.7	4.6	3.1
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)