

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: McGRAW-EDISON

Report Number: P635161

Luminaire Tested: GWS-SA3D-730-U-5WQ-W

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635161  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-730-U-5WQ-W  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 16246.3 lumens  
Efficiency: N/A  
Efficacy: 134.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

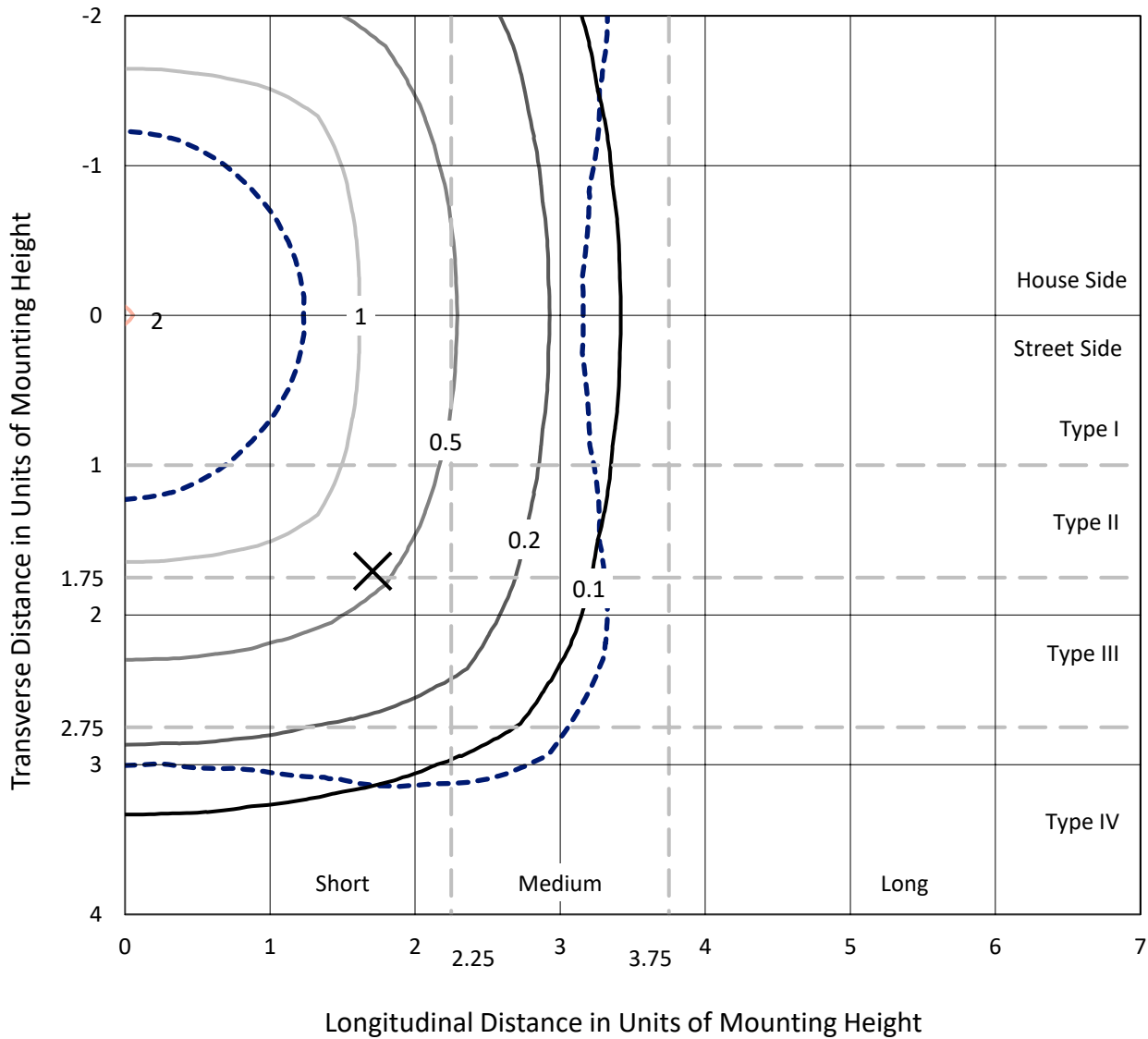
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 0  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

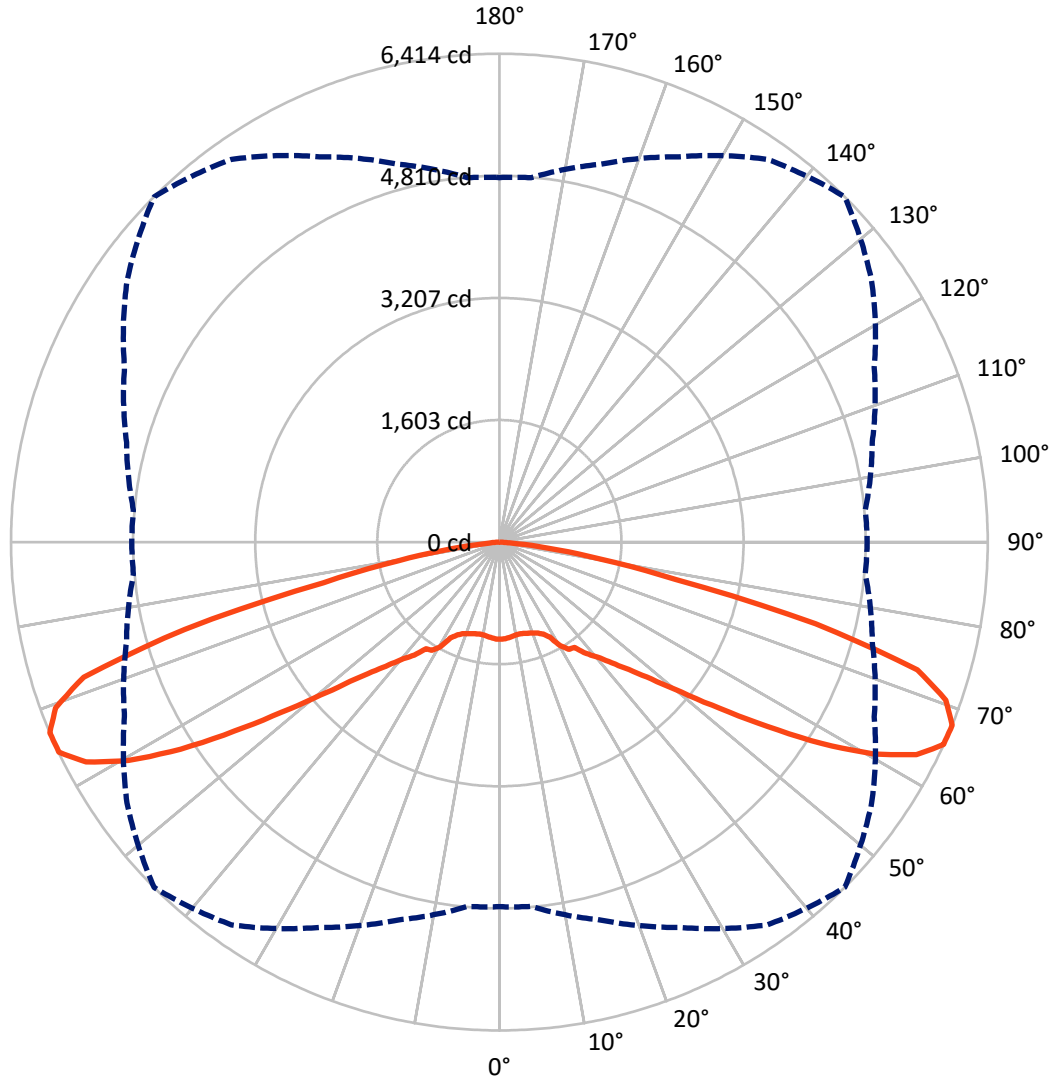
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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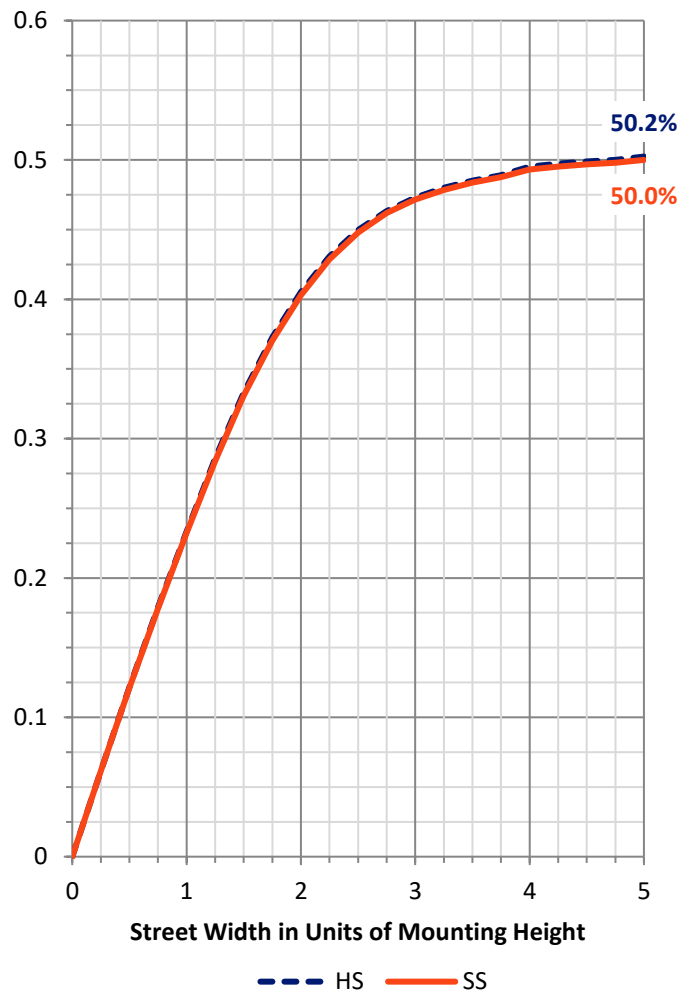
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	8123.2	0.0	8123.2
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	8123.2	0.0	8123.2
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	16246.3	0.0	16246.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	119.6	0.7
10°-20°	355.0	2.2
20°-30°	636.8	3.9
30°-40°	1075.7	6.6
40°-50°	1890.1	11.6
50°-60°	3646.0	22.4
60°-70°	5289.9	32.6
70°-80°	3026.6	18.6
80°-90°	206.6	1.3
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°	16246.3	100.0
0°-180°	16246.3	100.0

**Coefficient of Utilization**



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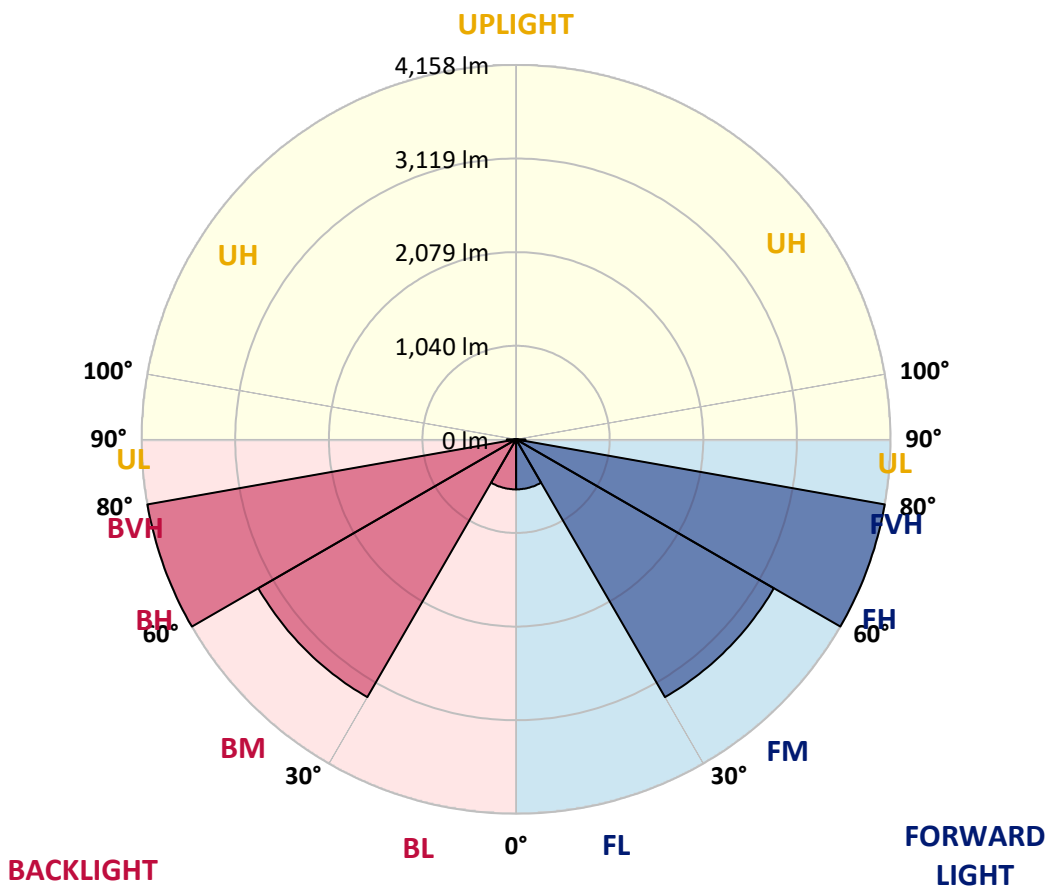
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	555.7	3.4			
FM (30°-60°)	3305.9	20.3			
FH (60°-80°)	4158.3	25.6			G2/5000
FVH (80°-90°)	103.3	0.6			G2/225
BL (0°-30°)	555.7	3.4	B2/1000		
BM (30°-60°)	3305.9	20.3	B3/5000		
BH (60°-80°)	4158.3	25.6	B4/5000		G2/5000
BVH (80°-90°)	103.3	0.6			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B4-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0	1274.0
2.5°	1263.7	1264.9	1267.1	1267.1	1269.4	1272.9	1274.0	1271.7	1272.9	1267.1	1272.9
5°	1260.3	1261.4	1262.6	1260.3	1260.3	1261.4	1261.4	1259.1	1260.3	1254.5	1260.3
7.5°	1252.2	1253.4	1253.4	1249.9	1246.5	1248.8	1248.8	1246.5	1247.6	1241.9	1248.8
10°	1245.3	1245.3	1244.2	1237.3	1233.8	1237.3	1238.4	1239.6	1244.2	1239.6	1247.6
12.5°	1249.9	1249.9	1246.5	1237.3	1231.5	1233.8	1236.1	1238.4	1246.5	1245.3	1254.5
15°	1262.6	1263.7	1254.5	1244.2	1240.7	1244.2	1241.9	1240.7	1251.1	1254.5	1264.9
17.5°	1272.9	1272.9	1261.4	1251.1	1252.2	1258.0	1253.4	1247.6	1258.0	1264.9	1276.3
20°	1282.1	1280.9	1268.3	1261.4	1266.0	1274.0	1270.6	1262.6	1269.4	1277.5	1287.8
22.5°	1305.1	1303.9	1290.1	1286.7	1291.3	1299.3	1295.9	1289.0	1297.0	1308.5	1321.1
25°	1370.5	1368.2	1347.6	1336.1	1333.8	1339.5	1338.4	1336.1	1348.7	1362.5	1377.4
27.5°	1457.9	1456.7	1441.8	1430.3	1415.3	1410.8	1414.2	1424.5	1442.9	1453.3	1465.9
30°	1501.5	1501.5	1499.2	1517.6	1549.8	1580.8	1556.7	1517.6	1501.5	1496.9	1509.5
32.5°	1558.9	1564.7	1556.7	1577.3	1631.3	1677.3	1631.3	1568.1	1556.7	1556.7	1570.4
35°	1691.1	1693.4	1680.7	1677.3	1694.5	1700.3	1678.4	1655.4	1668.1	1670.4	1687.6
37.5°	1796.8	1796.8	1791.0	1800.2	1835.8	1857.6	1822.0	1780.7	1784.1	1786.4	1808.2
40°	1959.9	1964.5	1950.7	1949.5	1963.3	1982.9	1945.0	1918.5	1936.9	1942.7	1976.0
42.5°	2163.2	2163.2	2142.5	2136.8	2146.0	2166.7	2131.1	2113.8	2138.0	2142.5	2162.1
45°	2405.6	2411.4	2383.8	2373.5	2378.1	2385.0	2359.7	2351.6	2374.6	2385.0	2419.4
47.5°	2700.9	2706.6	2682.5	2681.3	2676.8	2681.3	2657.2	2652.6	2671.0	2663.0	2699.7
50°	3065.1	3075.4	3054.7	3083.4	3080.0	3093.8	3060.5	3036.3	3036.3	3014.5	3035.2
52.5°	3472.9	3493.6	3503.9	3552.2	3588.9	3623.4	3568.2	3530.3	3475.2	3430.4	3486.7
55°	3917.5	3911.7	3977.2	4082.9	4190.9	4272.5	4164.5	4045.0	3955.4	3862.3	3884.2
57.5°	4306.9	4326.5	4412.6	4605.6	4819.3	4991.6	4797.5	4567.7	4364.4	4231.1	4249.5
60°	4630.9	4647.0	4761.9	5039.9	5413.2	5651.0	5343.2	4964.1	4668.8	4485.0	4504.5
62.5°	4929.6	4944.5	5060.6	5367.3	5838.3	6148.5	5751.0	5232.9	4904.3	4719.4	4730.8
65°	5101.9	5111.1	5269.6	5592.5	6088.7	6409.3	5961.2	5427.0	5104.2	4915.8	4922.7
67.5°	4788.3	4803.2	5137.5	5583.3	6137.0	6413.9	5970.4	5432.8	5069.7	4823.9	4829.6
70°	3777.3	3764.7	4163.3	4929.6	5860.1	6220.9	5705.0	5024.9	4464.3	4120.8	4115.1
72.5°	2880.1	2883.5	3105.3	3630.3	4777.9	5740.7	5034.1	4046.1	3441.9	3181.1	3170.7
75°	2088.6	2120.7	2301.1	2685.9	3341.9	4290.8	3790.0	2998.4	2594.0	2437.8	2414.8
77.5°	940.9	982.2	1233.8	1686.5	2234.5	2371.2	2380.4	2035.7	1536.0	1276.3	1236.1
80°	274.6	294.1	378.0	646.8	1040.8	1345.3	1068.4	898.4	559.5	438.8	418.2
82.5°	116.0	132.1	162.0	179.2	302.1	623.8	388.3	247.0	229.8	186.1	170.0
85°	49.4	52.8	67.8	72.4	97.6	133.3	122.9	111.4	106.8	82.7	75.8
87.5°	20.7	20.7	20.7	18.4	17.2	18.4	25.3	32.2	42.5	33.3	31.0
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)