

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: P635159

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

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635159  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)  
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-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (48) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

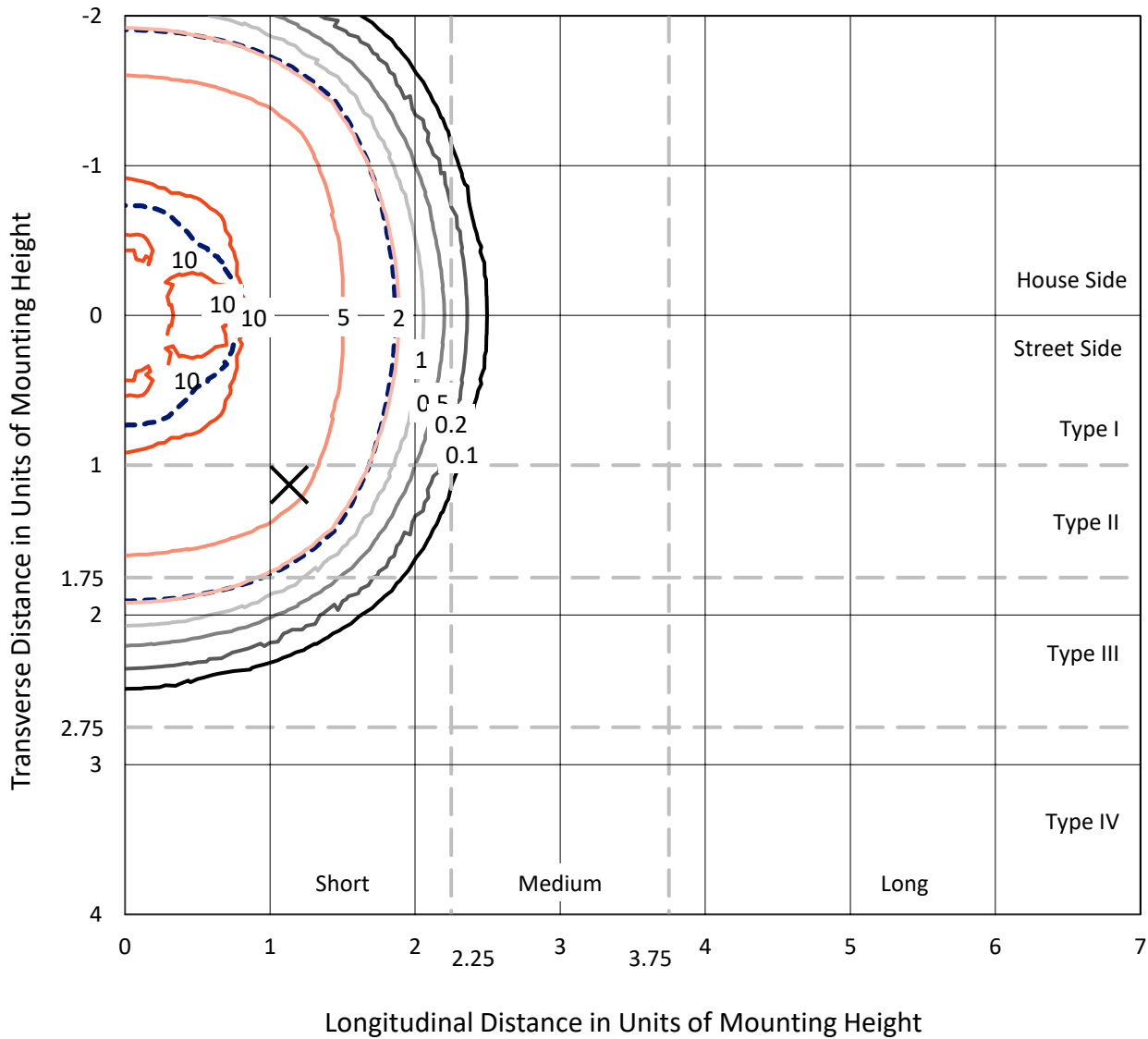
Lumens per Lamp: N/A  
Luminaire Lumens: 8433.3 lumens  
Efficiency: N/A  
Efficacy: 69.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G1  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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

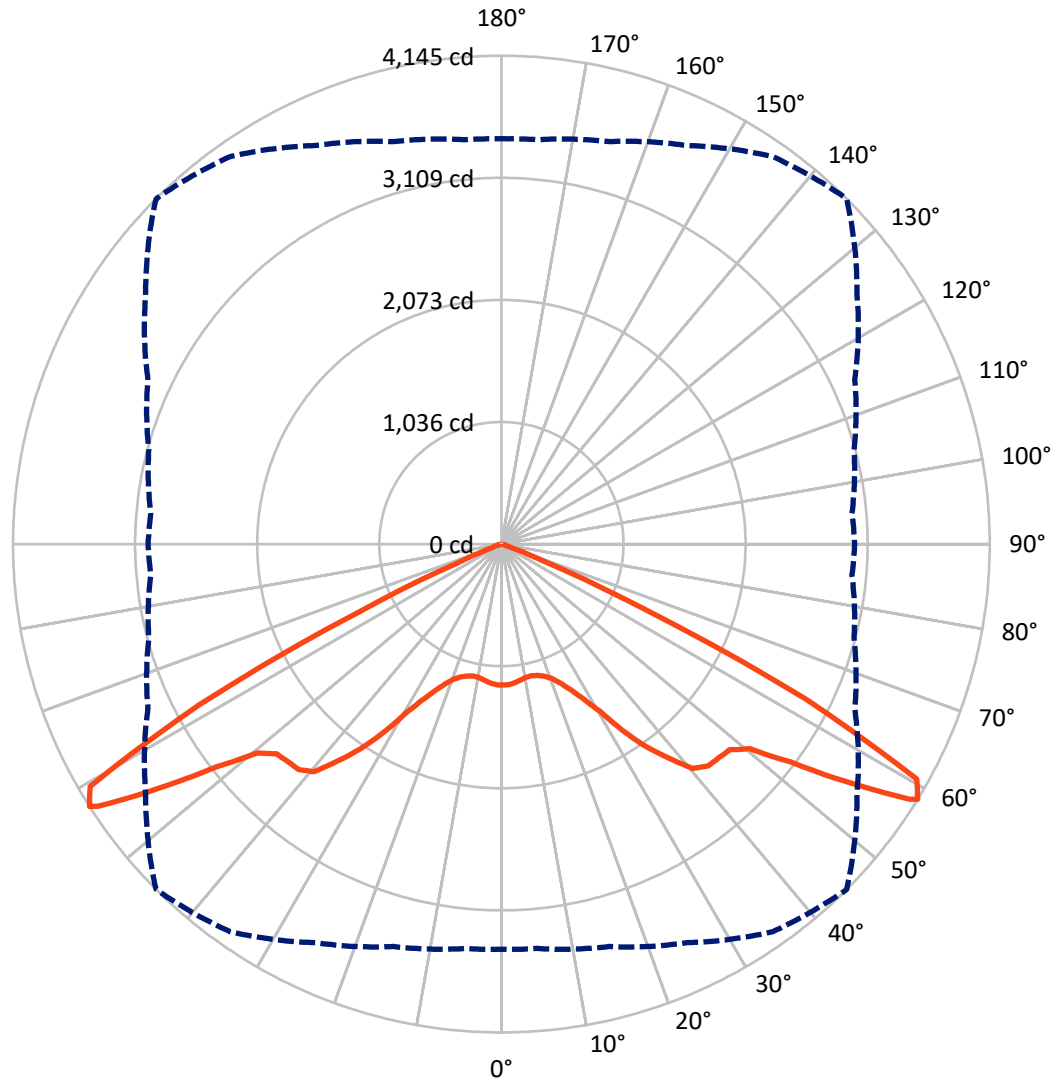
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12 fc  
 Type V - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral    - - - Horizontal Cone Through 58-Deg Vertical

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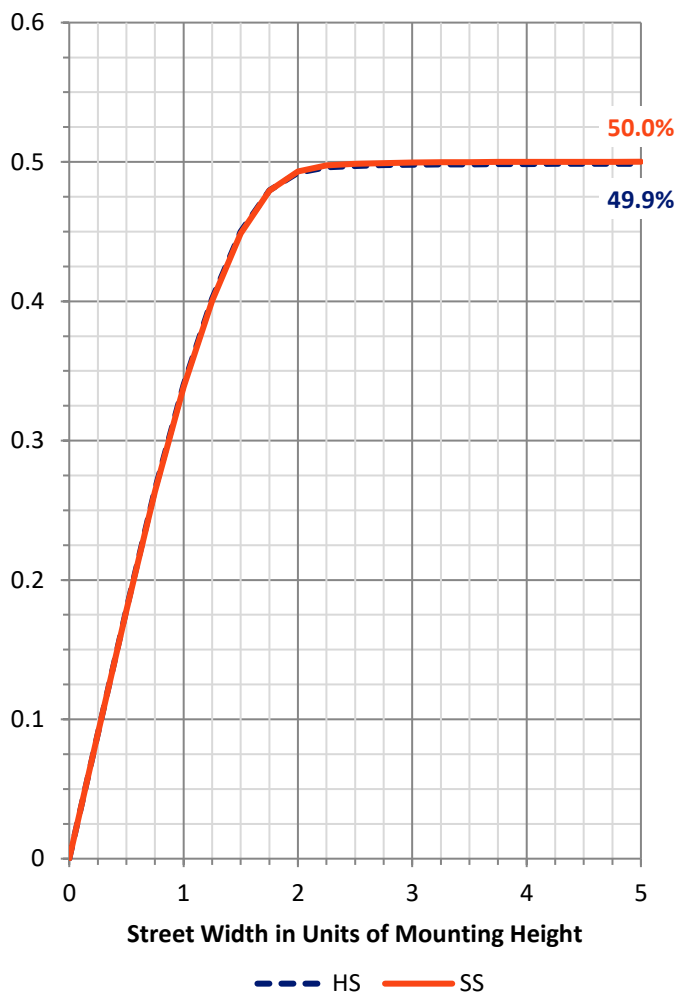
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4216.6	0.0	4216.6
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	4216.6	0.0	4216.6
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	8433.3	0.0	8433.3
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	111.6	1.3
10°-20°	330.2	3.9
20°-30°	624.4	7.4
30°-40°	1231.5	14.6
40°-50°	1948.9	23.1
50°-60°	2864.8	34.0
60°-70°	1278.7	15.2
70°-80°	42.8	0.5
80°-90°	0.3	0.0
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°	8433.3	100.0
0°-180°	8433.3	100.0

**Coefficient of Utilization**



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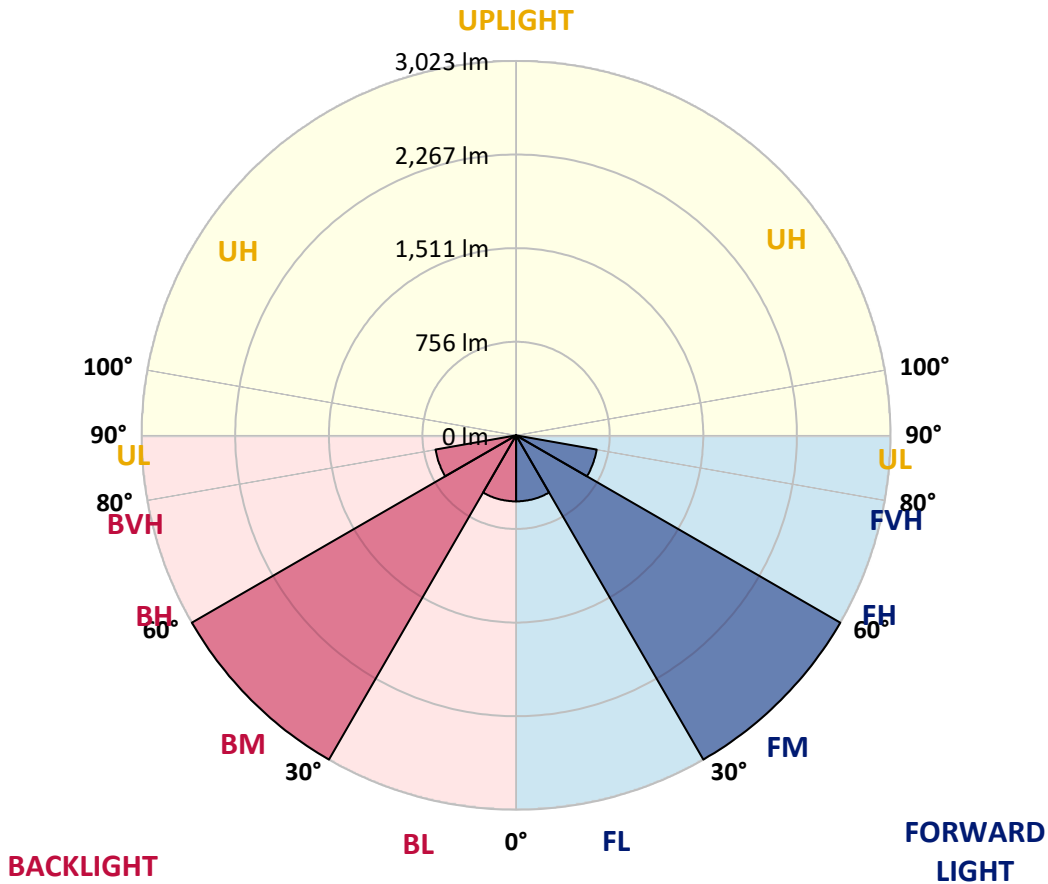
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	533.1	6.3			
FM (30°-60°)	3022.6	35.8			
FH (60°-80°)	660.8	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	533.1	6.3	B2/1000		
BM (30°-60°)	3022.6	35.8	B3/5000		
BH (60°-80°)	660.8	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G1**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0	1196.0
2.5°	1184.5	1186.8	1189.1	1190.2	1191.4	1194.8	1196.0	1192.5	1192.5	1185.6	1193.7
5°	1178.7	1181.0	1183.3	1182.2	1182.2	1182.2	1181.0	1176.4	1175.3	1168.4	1176.4
7.5°	1168.4	1170.7	1170.7	1167.2	1164.9	1164.9	1163.8	1158.0	1156.9	1150.0	1158.0
10°	1160.3	1161.5	1160.3	1153.4	1148.9	1148.9	1147.7	1145.4	1146.6	1142.0	1148.9
12.5°	1164.9	1166.1	1161.5	1152.3	1146.6	1145.4	1142.0	1138.5	1142.0	1140.8	1147.7
15°	1179.9	1181.0	1173.0	1161.5	1156.9	1156.9	1147.7	1138.5	1143.1	1144.3	1152.3
17.5°	1198.3	1198.3	1187.9	1177.6	1178.7	1178.7	1163.8	1147.7	1148.9	1153.4	1161.5
20°	1220.1	1220.1	1209.7	1207.4	1215.5	1216.6	1198.3	1173.0	1167.2	1170.7	1179.9
22.5°	1259.1	1259.1	1251.1	1256.8	1275.2	1281.0	1253.4	1217.8	1204.0	1206.3	1215.5
25°	1320.0	1320.0	1317.7	1331.5	1357.9	1370.6	1333.8	1286.7	1263.7	1260.3	1270.6
27.5°	1422.3	1423.4	1420.0	1440.7	1474.0	1488.9	1438.4	1376.3	1348.8	1343.0	1353.3
30°	1554.4	1554.4	1555.5	1584.3	1627.9	1647.5	1580.8	1508.4	1476.3	1457.9	1471.7
32.5°	1701.4	1703.7	1715.2	1763.5	1840.5	1880.7	1783.0	1681.9	1630.2	1610.7	1625.6
35°	1943.9	1922.0	1908.2	1943.9	2055.3	2108.1	1982.9	1864.6	1825.5	1823.2	1861.1
37.5°	2184.0	2171.3	2142.6	2179.4	2279.3	2303.4	2165.6	2066.8	2039.2	2054.1	2092.1
40°	2374.7	2351.7	2313.8	2348.3	2479.2	2503.3	2333.3	2235.7	2225.3	2258.6	2310.3
42.5°	2525.2	2493.0	2442.5	2450.5	2556.2	2573.4	2422.9	2349.4	2356.3	2397.7	2456.2
45°	2593.0	2567.7	2522.9	2519.4	2586.1	2587.2	2468.9	2431.0	2449.4	2481.5	2527.5
47.5°	2621.7	2610.2	2584.9	2579.2	2617.1	2607.9	2534.4	2518.3	2535.5	2544.7	2571.1
50°	2692.9	2692.9	2696.4	2700.9	2740.0	2730.8	2679.1	2660.7	2638.9	2606.7	2614.8
52.5°	2892.8	2900.8	2934.2	2970.9	3042.2	3072.0	2988.2	2881.3	2776.8	2706.7	2706.7
55°	3253.5	3261.6	3300.6	3362.7	3493.7	3564.9	3369.6	3134.1	2990.5	2895.1	2907.7
57.5°	3452.3	3461.5	3541.9	3709.6	3963.5	4084.2	3664.8	3315.6	3114.5	3005.4	3014.6
58°	3439.7	3445.4	3536.2	3732.6	4015.2	4145.1	3685.5	3309.8	3098.5	2987.0	2998.5
60°	3055.9	3047.9	3192.7	3473.0	3871.6	4050.8	3479.9	3021.5	2775.6	2661.9	2667.6
62.5°	1997.9	2002.4	2127.7	2420.6	2730.8	2899.7	2431.0	2089.8	1892.2	1823.2	1806.0
65°	834.1	819.1	896.1	1059.2	1245.4	1339.6	1151.1	974.2	852.4	806.5	819.1
67.5°	214.8	209.1	213.7	267.7	327.4	387.2	325.1	248.2	216.0	218.3	218.3
70°	121.8	114.9	93.1	86.2	83.9	83.9	83.9	83.9	96.5	113.7	117.2
72.5°	91.9	86.2	67.8	58.6	51.7	48.3	50.5	58.6	70.1	85.0	87.3
75°	46.0	46.0	41.4	39.1	34.5	32.2	33.3	36.8	42.5	48.3	47.1
77.5°	9.2	10.3	11.5	13.8	11.5	11.5	11.5	13.8	13.8	14.9	13.8
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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)