

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: P635489

Luminaire Tested: GWS-SA3D-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635489  
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-830-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, 80 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7356.9 lumens  
Efficiency: N/A  
Efficacy: 60.9 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
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

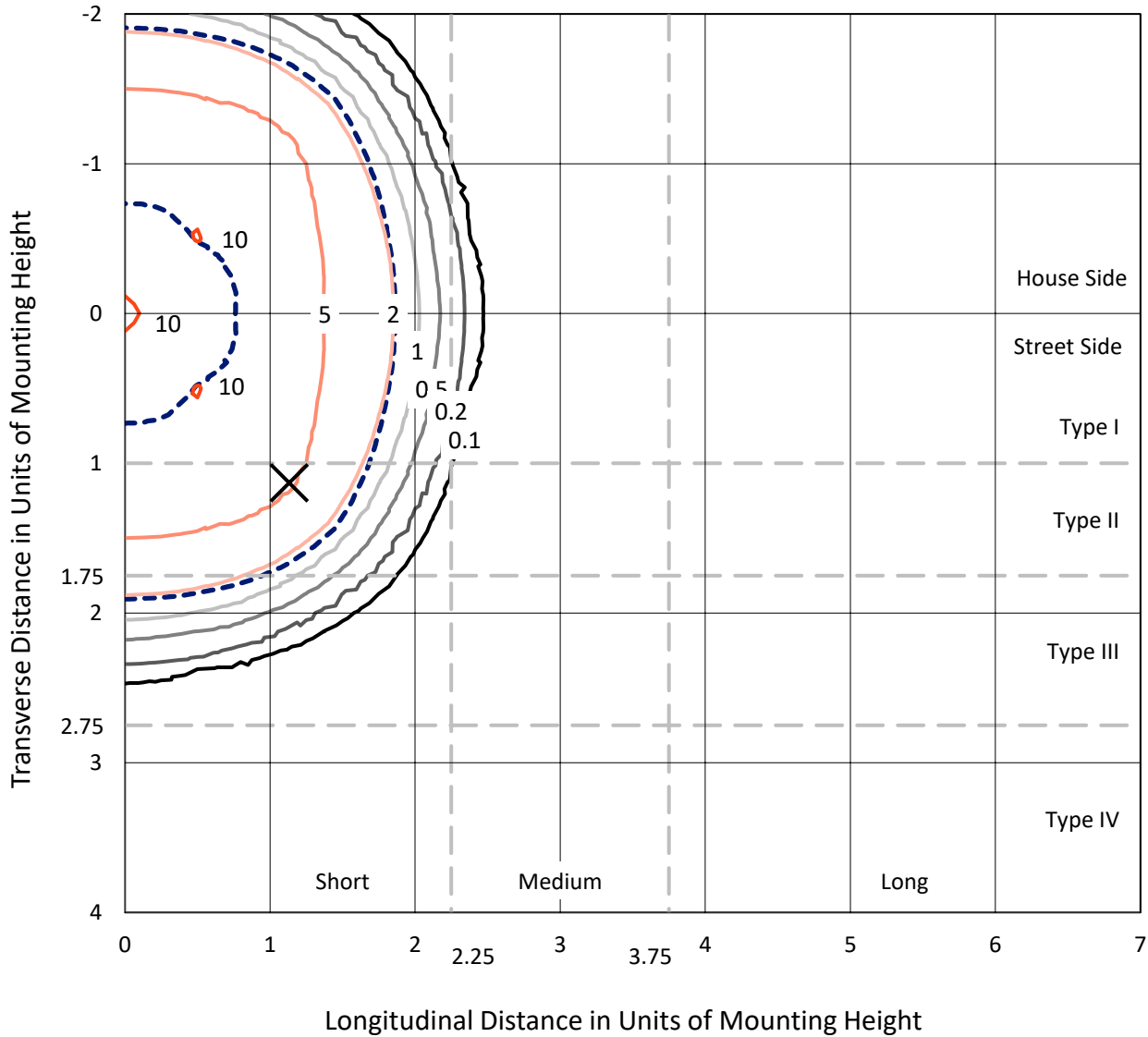


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### Iso-Footcandle Lines of Horizontal Illumination

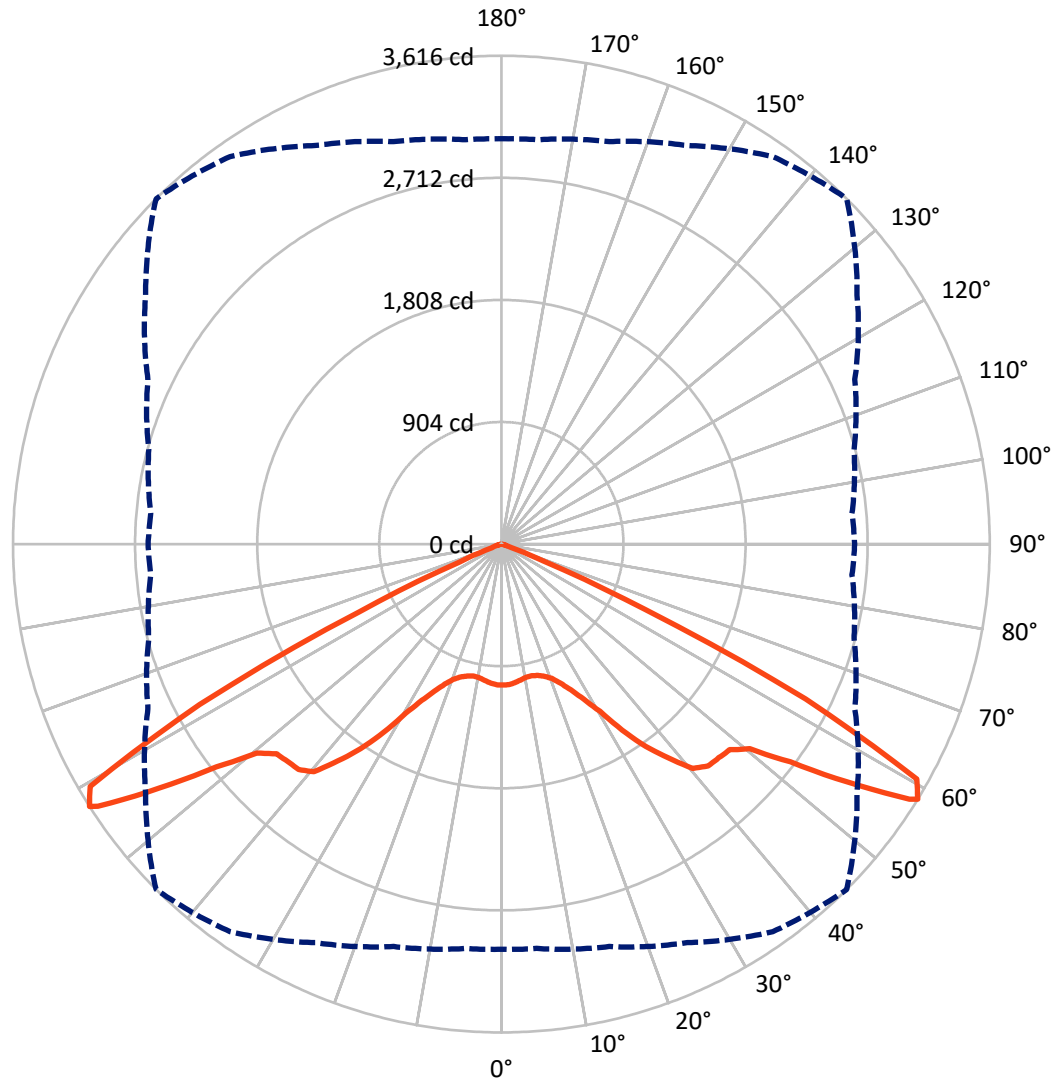
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.4 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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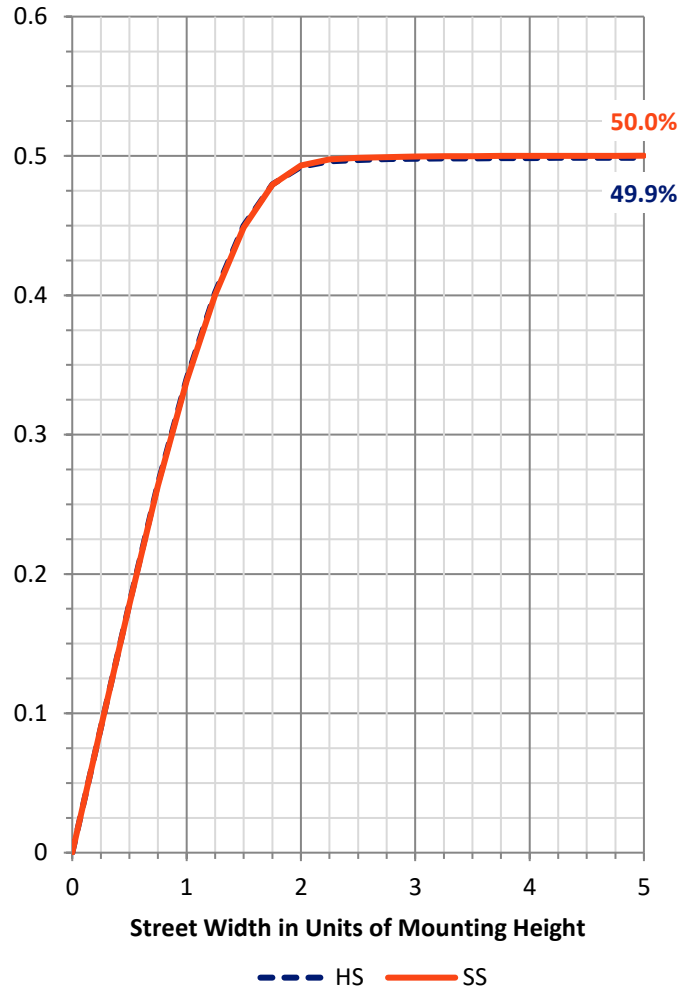
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3678.4	0.0	3678.4
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3678.4	0.0	3678.4
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7356.9	0.0	7356.9
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	97.3	1.3
10°-20°	288.0	3.9
20°-30°	544.7	7.4
30°-40°	1074.3	14.6
40°-50°	1700.1	23.1
50°-60°	2499.1	34.0
60°-70°	1115.5	15.2
70°-80°	37.4	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°	7356.9	100.0
0°-180°	7356.9	100.0

**Coefficient of Utilization**



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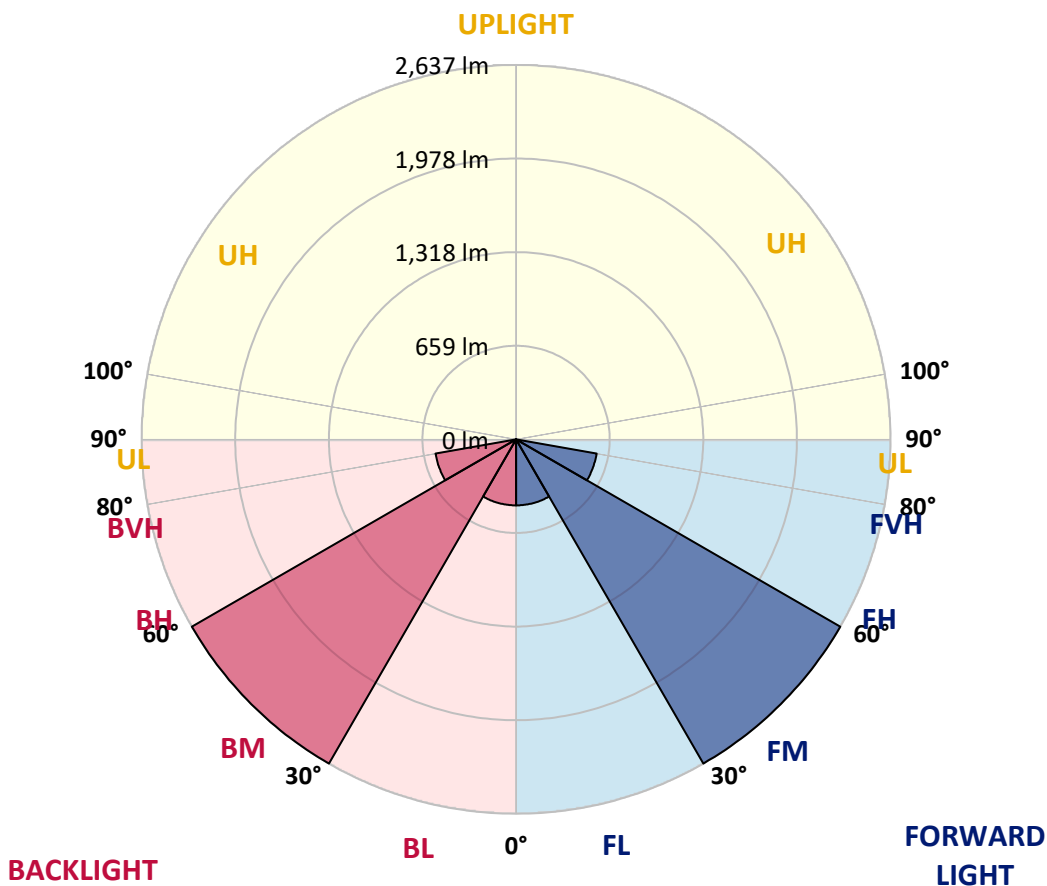
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	465.1	6.3			
FM (30°-60°)	2636.8	35.8			
FH (60°-80°)	576.4	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	465.1	6.3	B1/500		
BM (30°-60°)	2636.8	35.8	B3/5000		
BH (60°-80°)	576.4	7.8	B2/1000		G0/660
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-G0**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3	1043.3
2.5°	1033.3	1035.3	1037.3	1038.3	1039.3	1042.3	1043.3	1040.3	1040.3	1034.3	1041.3
5°	1028.3	1030.3	1032.3	1031.3	1031.3	1031.3	1030.3	1026.3	1025.3	1019.3	1026.3
7.5°	1019.3	1021.3	1021.3	1018.3	1016.2	1016.2	1015.2	1010.2	1009.2	1003.2	1010.2
10°	1012.2	1013.2	1012.2	1006.2	1002.2	1002.2	1001.2	999.2	1000.2	996.2	1002.2
12.5°	1016.2	1017.2	1013.2	1005.2	1000.2	999.2	996.2	993.2	996.2	995.2	1001.2
15°	1029.3	1030.3	1023.3	1013.2	1009.2	1009.2	1001.2	993.2	997.2	998.2	1005.2
17.5°	1045.3	1045.3	1036.3	1027.3	1028.3	1028.3	1015.2	1001.2	1002.2	1006.2	1013.2
20°	1064.4	1064.4	1055.3	1053.3	1060.3	1061.3	1045.3	1023.3	1018.3	1021.3	1029.3
22.5°	1098.4	1098.4	1091.4	1096.4	1112.5	1117.5	1093.4	1062.3	1050.3	1052.3	1060.3
25°	1151.5	1151.5	1149.5	1161.6	1184.6	1195.6	1163.6	1122.5	1102.4	1099.4	1108.5
27.5°	1240.7	1241.7	1238.7	1256.8	1285.8	1298.9	1254.8	1200.7	1176.6	1171.6	1180.6
30°	1356.0	1356.0	1357.0	1382.1	1420.1	1437.2	1379.0	1315.9	1287.8	1271.8	1283.8
32.5°	1484.3	1486.3	1496.3	1538.4	1605.5	1640.6	1555.4	1467.2	1422.1	1405.1	1418.1
35°	1695.7	1676.7	1664.7	1695.7	1793.0	1839.1	1729.8	1626.6	1592.5	1590.5	1623.6
37.5°	1905.2	1894.2	1869.1	1901.2	1988.4	2009.4	1889.2	1803.0	1778.9	1792.0	1825.0
40°	2071.6	2051.5	2018.5	2048.5	2162.8	2183.8	2035.5	1950.3	1941.3	1970.4	2015.5
42.5°	2202.9	2174.8	2130.7	2137.7	2229.9	2245.0	2113.7	2049.5	2055.5	2091.6	2142.7
45°	2262.0	2240.0	2200.9	2197.9	2256.0	2257.0	2153.8	2120.7	2136.7	2164.8	2204.9
47.5°	2287.1	2277.0	2255.0	2250.0	2283.0	2275.0	2210.9	2196.9	2211.9	2219.9	2243.0
50°	2349.2	2349.2	2352.2	2356.2	2390.3	2382.3	2337.2	2321.1	2302.1	2274.0	2281.0
52.5°	2523.6	2530.6	2559.7	2591.7	2653.9	2679.9	2606.8	2513.6	2422.4	2361.2	2361.2
55°	2838.3	2845.3	2879.4	2933.5	3047.7	3109.9	2939.5	2734.0	2608.8	2525.6	2536.6
57.5°	3011.7	3019.7	3089.8	3236.2	3457.6	3562.9	3197.1	2892.4	2717.0	2621.8	2629.8
58°	3000.6	3005.6	3084.8	3256.2	3502.7	3616.0	3215.1	2887.4	2703.0	2605.8	2615.8
60°	2665.9	2658.9	2785.2	3029.7	3377.5	3533.8	3035.7	2635.8	2421.4	2322.1	2327.1
62.5°	1742.9	1746.9	1856.1	2111.7	2382.3	2529.6	2120.7	1823.0	1650.6	1590.5	1575.5
65°	727.6	714.6	781.7	924.0	1086.4	1168.6	1004.2	849.9	743.6	703.6	714.6
67.5°	187.4	182.4	186.4	233.5	285.6	337.7	283.6	216.5	188.4	190.4	190.4
70°	106.2	100.2	81.2	75.2	73.2	73.2	73.2	73.2	84.2	99.2	102.2
72.5°	80.2	75.2	59.1	51.1	45.1	42.1	44.1	51.1	61.1	74.2	76.2
75°	40.1	40.1	36.1	34.1	30.1	28.1	29.1	32.1	37.1	42.1	41.1
77.5°	8.0	9.0	10.0	12.0	10.0	10.0	10.0	12.0	12.0	13.0	12.0
80°	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0	1.0
82.5°	0.0	1.0	1.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0	1.0
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0
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)