

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: P633289

Luminaire Tested: GWS-SA2E-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P633289  
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-SA2E-740-U-5WQ-W-GRSBK  
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK  
Light Source: (32) 4000K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7678.6 lumens  
Efficiency: N/A  
Efficacy: 71.0 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G0  
  
Input Watts (W): 108.2  
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

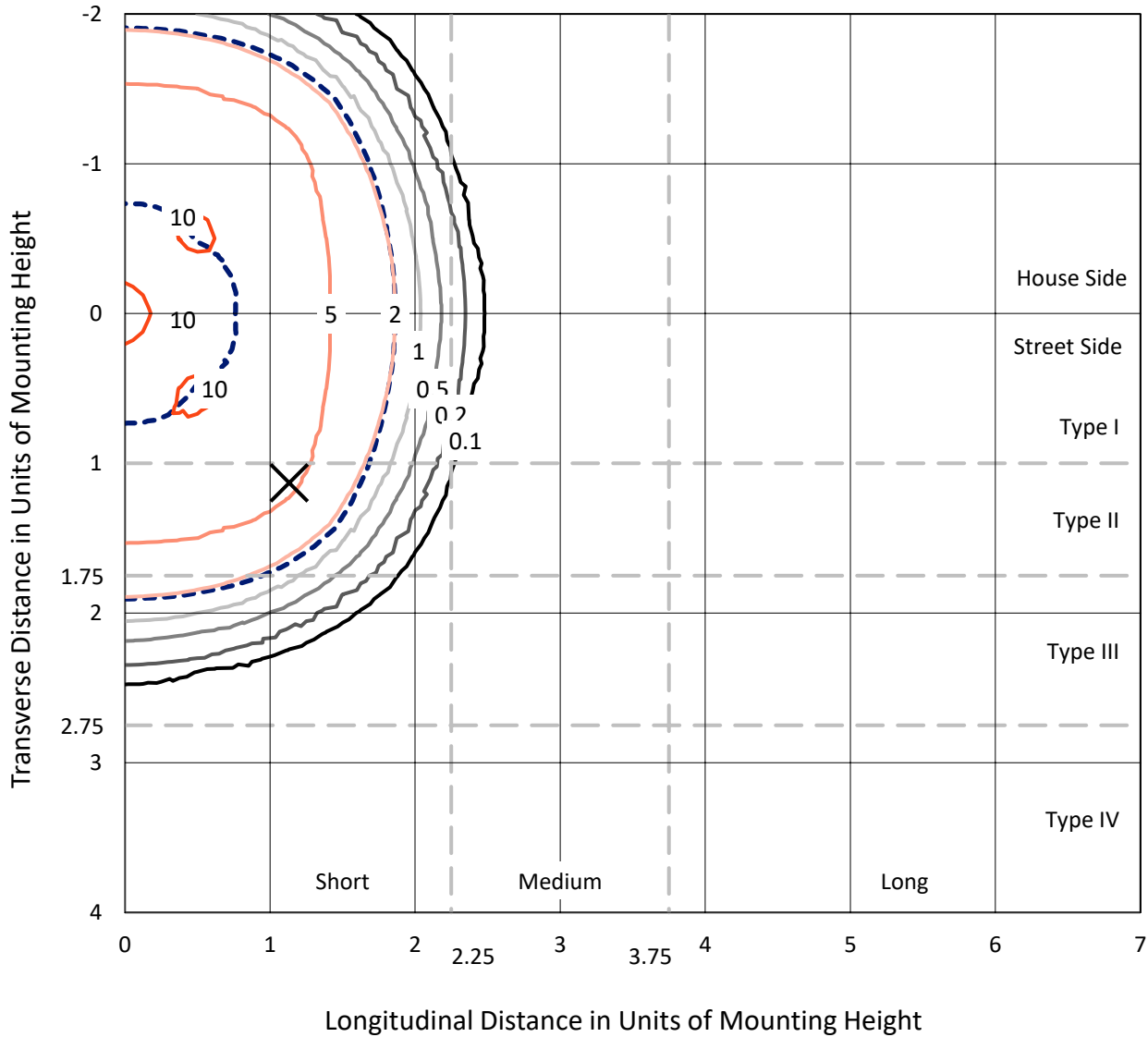


REPORT NUMBER: P633289

CATALOG NUMBER: GWS-SA2E-740-U-5WQ-W-GRSBK

### Iso-Footcandle Lines of Horizontal Illumination

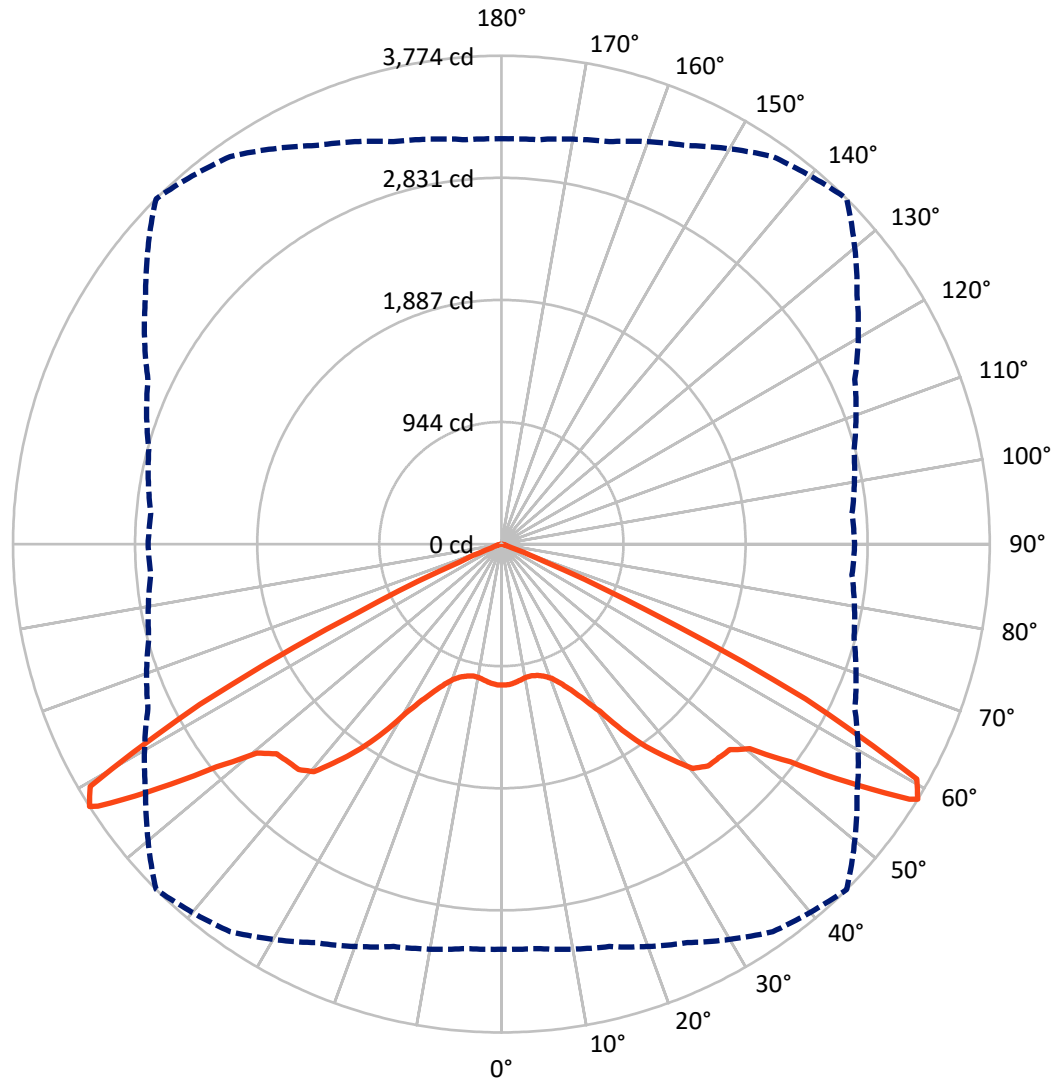
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.9 fc  
 Type V - Short - N/A

REPORT NUMBER: P633289  
CATALOG NUMBER: GWS-SA2E-740-U-5WQ-W-GRSBK

### Luminous Intensity Polar Plot



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

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CATALOG NUMBER: GWS-SA2E-740-U-5WQ-W-GRSBK

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3839.3	0.0	3839.3
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3839.3	0.0	3839.3
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7678.6	0.0	7678.6
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	101.6	1.3
10°-20°	300.6	3.9
20°-30°	568.6	7.4
30°-40°	1121.3	14.6
40°-50°	1774.5	23.1
50°-60°	2608.4	34.0
60°-70°	1164.3	15.2
70°-80°	39.0	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°	7678.6	100.0
0°-180°	7678.6	100.0

**Coefficient of Utilization**



REPORT NUMBER: P633289

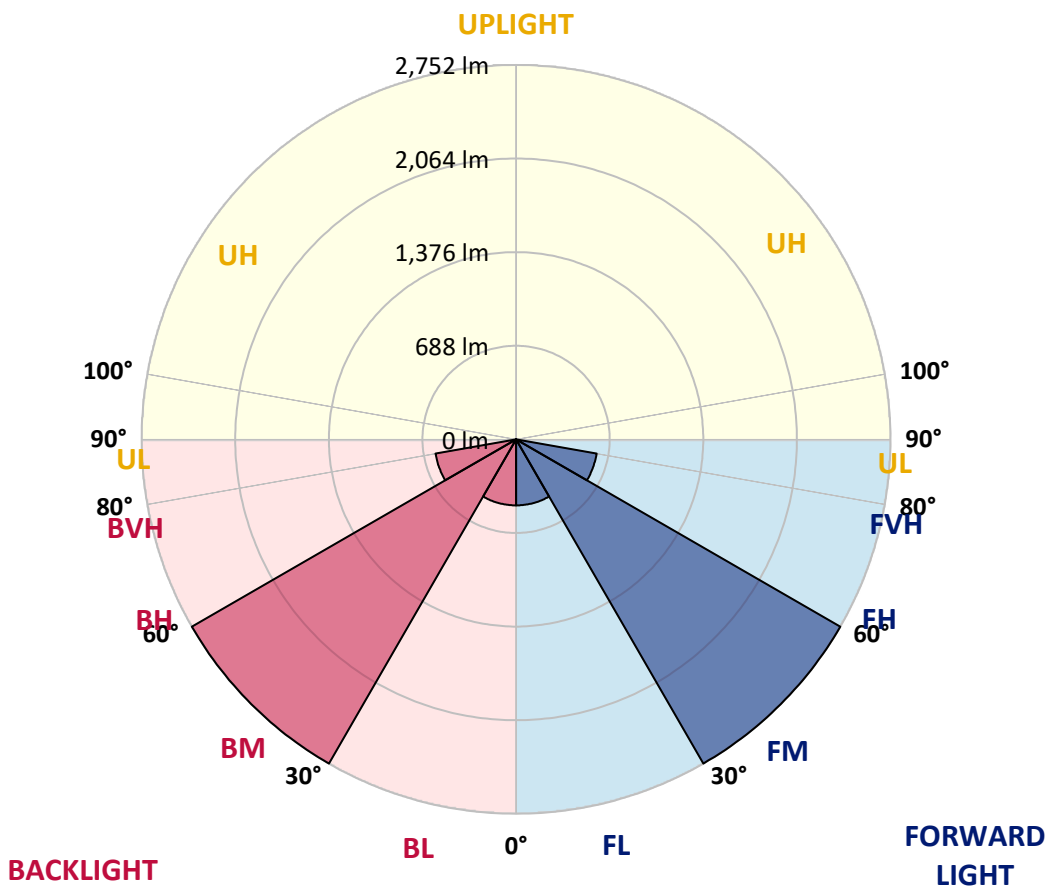
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	485.4	6.3			
FM (30°-60°)	2752.1	35.8			
FH (60°-80°)	601.6	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	485.4	6.3	B1/500		
BM (30°-60°)	2752.1	35.8	B3/5000		
BH (60°-80°)	601.6	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





REPORT NUMBER: P633289

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9	1088.9
2.5°	1078.5	1080.6	1082.7	1083.7	1084.7	1087.9	1088.9	1085.8	1085.8	1079.5	1086.8
5°	1073.2	1075.3	1077.4	1076.4	1076.4	1076.4	1075.3	1071.1	1070.1	1063.8	1071.1
7.5°	1063.8	1065.9	1065.9	1062.8	1060.7	1060.7	1059.6	1054.4	1053.4	1047.1	1054.4
10°	1056.5	1057.5	1056.5	1050.2	1046.0	1046.0	1045.0	1042.9	1043.9	1039.8	1046.0
12.5°	1060.7	1061.7	1057.5	1049.2	1043.9	1042.9	1039.8	1036.6	1039.8	1038.7	1045.0
15°	1074.3	1075.3	1068.0	1057.5	1053.4	1053.4	1045.0	1036.6	1040.8	1041.9	1049.2
17.5°	1091.0	1091.0	1081.6	1072.2	1073.2	1073.2	1059.6	1045.0	1046.0	1050.2	1057.5
20°	1110.9	1110.9	1101.5	1099.4	1106.7	1107.8	1091.0	1068.0	1062.8	1065.9	1074.3
22.5°	1146.5	1146.5	1139.1	1144.4	1161.1	1166.3	1141.2	1108.8	1096.3	1098.3	1106.7
25°	1201.9	1201.9	1199.8	1212.4	1236.4	1247.9	1214.5	1171.6	1150.6	1147.5	1156.9
27.5°	1295.0	1296.0	1292.9	1311.7	1342.1	1355.7	1309.6	1253.2	1228.1	1222.8	1232.2
30°	1415.3	1415.3	1416.3	1442.5	1482.2	1500.0	1439.4	1373.5	1344.2	1327.4	1340.0
32.5°	1549.2	1551.3	1561.7	1605.7	1675.8	1712.4	1623.5	1531.4	1484.3	1466.5	1480.1
35°	1769.9	1750.0	1737.5	1769.9	1871.4	1919.5	1805.5	1697.7	1662.2	1660.1	1694.6
37.5°	1988.5	1977.0	1950.9	1984.3	2075.3	2097.3	1971.8	1881.8	1856.7	1870.3	1904.8
40°	2162.2	2141.2	2106.7	2138.1	2257.4	2279.3	2124.5	2035.6	2026.2	2056.5	2103.6
42.5°	2299.2	2269.9	2223.9	2231.2	2327.4	2343.1	2206.1	2139.2	2145.4	2183.1	2236.4
45°	2360.9	2337.9	2297.1	2294.0	2354.6	2355.7	2247.9	2213.4	2230.2	2259.4	2301.3
47.5°	2387.1	2376.6	2353.6	2348.4	2382.9	2374.5	2307.6	2292.9	2308.6	2317.0	2341.0
50°	2451.9	2451.9	2455.1	2459.2	2494.8	2486.4	2439.4	2422.6	2402.8	2373.5	2380.8
52.5°	2633.9	2641.3	2671.6	2705.1	2769.9	2797.1	2720.8	2623.5	2528.3	2464.5	2464.5
55°	2962.4	2969.7	3005.3	3061.8	3181.0	3245.9	3068.0	2853.6	2722.8	2636.0	2647.5
57.5°	3143.4	3151.7	3224.9	3377.7	3608.8	3718.7	3336.9	3018.9	2835.8	2736.4	2744.8
58°	3131.8	3137.1	3219.7	3398.6	3655.9	3774.1	3355.7	3013.6	2821.2	2719.7	2730.2
60°	2782.5	2775.1	2906.9	3162.2	3525.2	3688.3	3168.5	2751.1	2527.2	2423.7	2428.9
62.5°	1819.1	1823.2	1937.3	2204.0	2486.4	2640.2	2213.4	1902.7	1722.8	1660.1	1644.4
65°	759.4	745.8	815.9	964.4	1133.9	1219.7	1048.1	887.0	776.2	734.3	745.8
67.5°	195.6	190.4	194.6	243.7	298.1	352.5	296.0	225.9	196.7	198.7	198.7
70°	110.9	104.6	84.7	78.5	76.4	76.4	76.4	76.4	87.9	103.6	106.7
72.5°	83.7	78.5	61.7	53.3	47.1	43.9	46.0	53.3	63.8	77.4	79.5
75°	41.8	41.8	37.7	35.6	31.4	29.3	30.3	33.5	38.7	43.9	42.9
77.5°	8.4	9.4	10.5	12.6	10.5	10.5	10.5	12.6	12.6	13.6	12.6
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)