

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: P633283

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633283
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2E-740-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 8915 lumens
Efficiency: N/A
Efficacy: 82.4 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

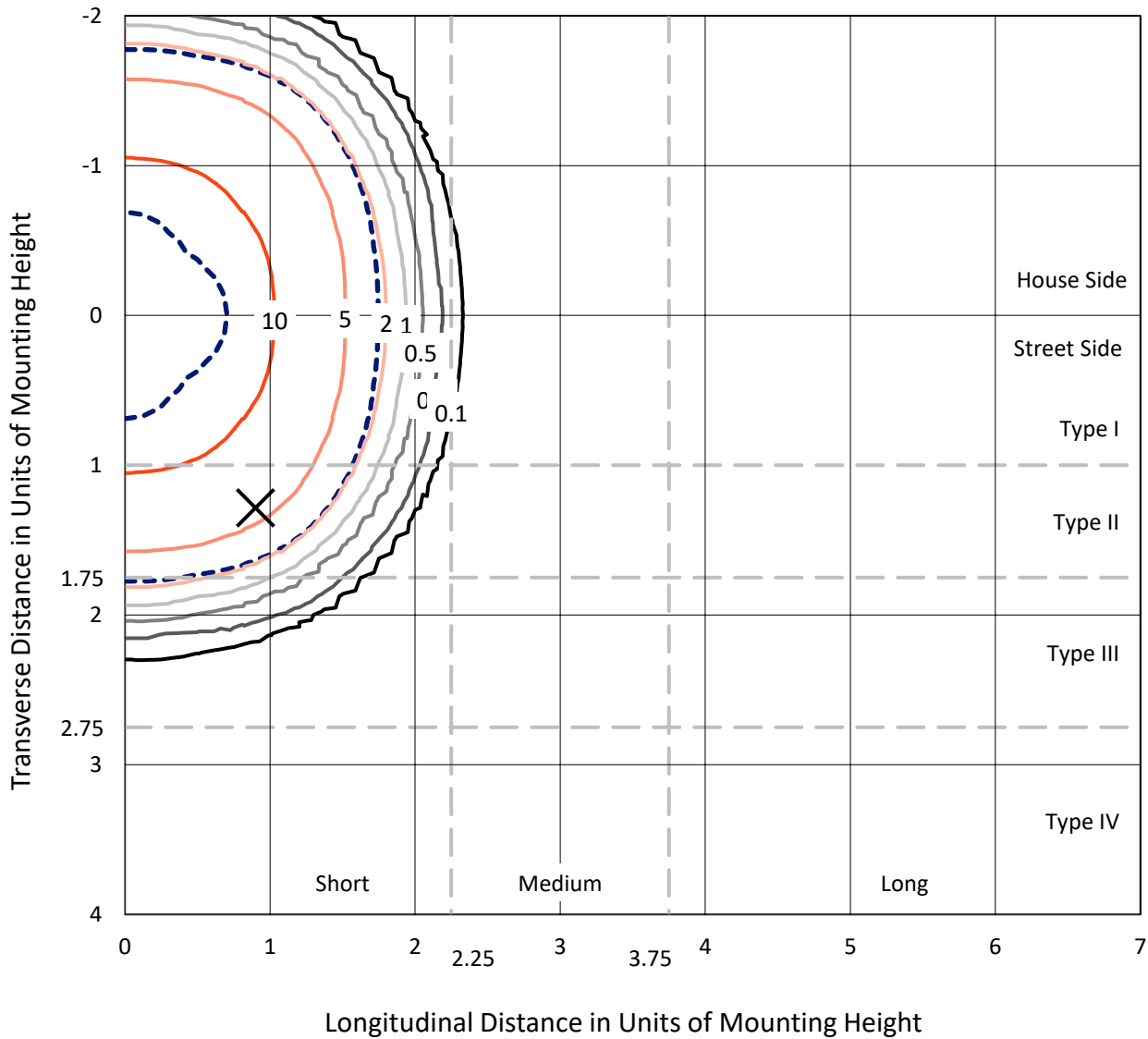


REPORT NUMBER: P633283

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

Iso-Footcandle Lines of Horizontal Illumination

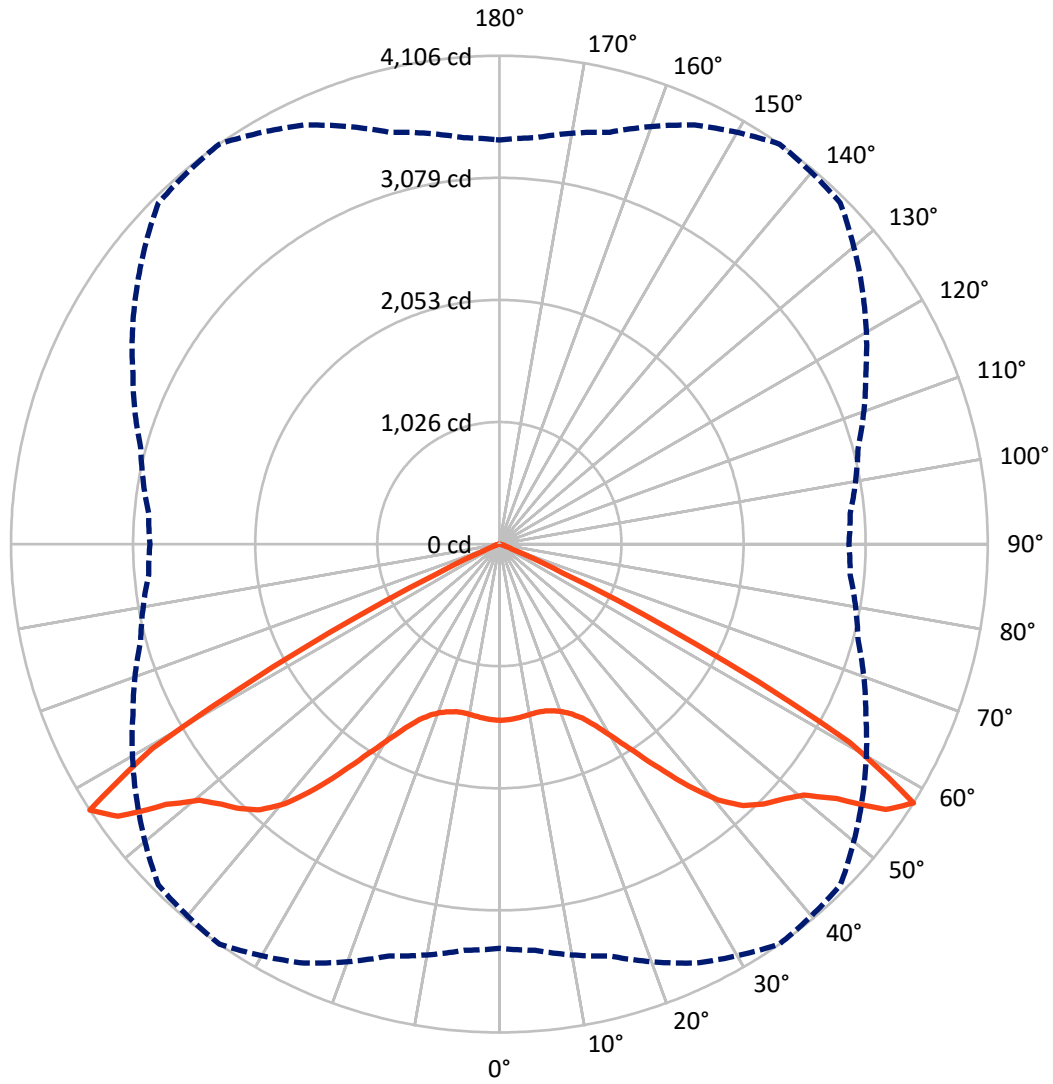
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 14.8 fc
 Type V - Short - N/A

REPORT NUMBER: P633283
CATALOG NUMBER: GWS-SA2E-740-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P633283

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4457.5	0.0	4457.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4457.5	0.0	4457.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8915.0	0.0	8915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	139.6	1.6
10°-20°	410.8	4.6
20°-30°	742.5	8.3
30°-40°	1385.2	15.5
40°-50°	2323.7	26.1
50°-60°	3068.7	34.4
60°-70°	815.0	9.1
70°-80°	28.9	0.3
80°-90°	0.5	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°	8915.0	100.0
0°-180°	8915.0	100.0

Coefficient of Utilization



REPORT NUMBER: P633283

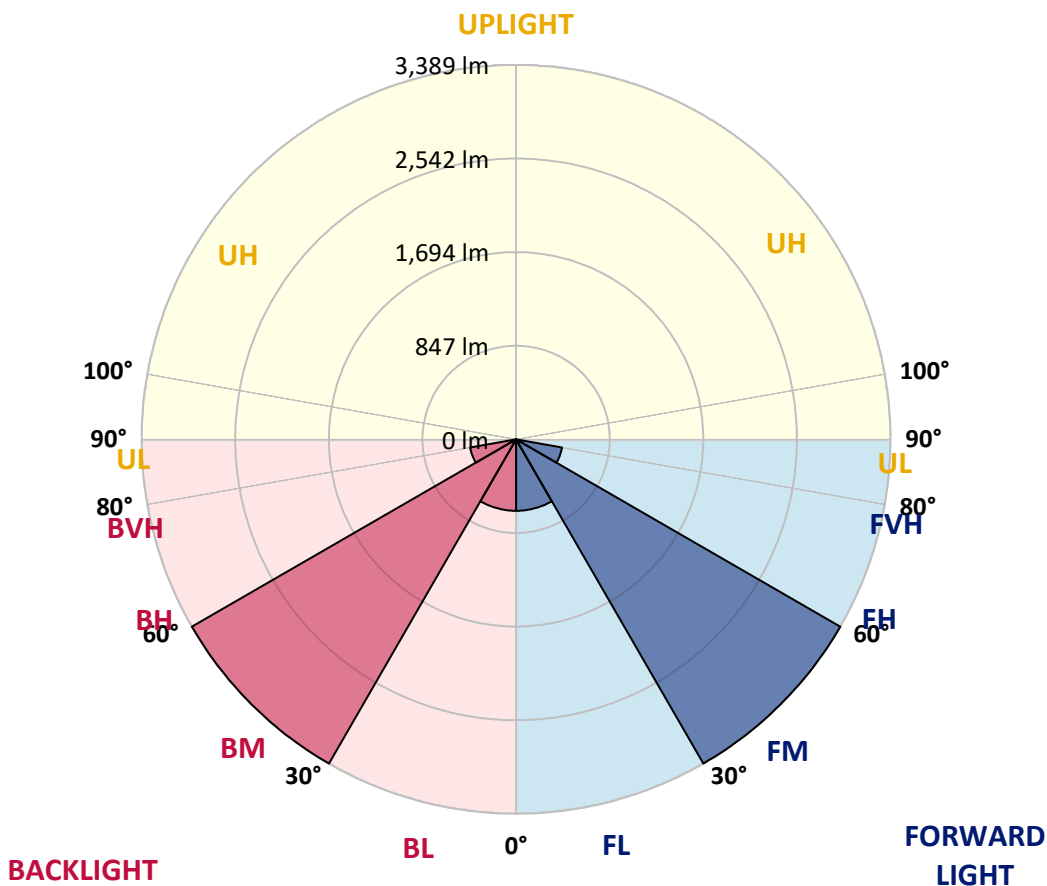
CATALOG NUMBER: GWS-SA2E-740-U-5MQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	646.5	7.3			
FM (30°-60°)	3388.8	38.0			
FH (60°-80°)	422.0	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	646.5	7.3	B2/1000		
BM (30°-60°)	3388.8	38.0	B3/5000		
BH (60°-80°)	422.0	4.7	B1/500		G0/660
BVH (80°-90°)	0.3	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: P633283

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2	1482.2
2.5°	1471.7	1470.7	1474.9	1478.0	1478.0	1485.3	1483.2	1481.2	1479.1	1475.9	1483.2
5°	1469.6	1468.6	1471.7	1473.8	1471.7	1478.0	1473.8	1469.6	1467.6	1463.4	1471.7
7.5°	1460.2	1461.3	1463.4	1465.5	1462.3	1467.6	1462.3	1456.0	1450.8	1446.6	1454.0
10°	1445.6	1446.6	1448.7	1452.9	1454.0	1461.3	1454.0	1442.5	1435.1	1428.9	1436.2
12.5°	1438.3	1439.3	1442.5	1447.7	1448.7	1458.1	1448.7	1432.0	1421.5	1414.2	1421.5
15°	1440.4	1442.5	1446.6	1452.9	1455.0	1464.4	1451.9	1429.9	1415.3	1405.8	1412.1
17.5°	1447.7	1449.8	1456.0	1466.5	1473.8	1483.2	1467.6	1439.3	1419.4	1405.8	1412.1
20°	1457.1	1460.2	1470.7	1487.4	1503.1	1519.9	1500.0	1461.3	1435.1	1418.4	1423.6
22.5°	1483.2	1486.4	1501.0	1523.0	1549.1	1570.1	1546.0	1496.8	1461.3	1439.3	1444.5
25°	1536.6	1539.7	1558.6	1586.8	1620.3	1647.5	1617.1	1555.4	1509.4	1484.3	1486.4
27.5°	1620.3	1623.4	1645.4	1685.1	1730.1	1768.8	1724.9	1652.7	1600.4	1571.1	1571.1
30°	1725.9	1730.1	1759.4	1812.7	1882.8	1934.1	1874.5	1786.6	1719.6	1679.9	1680.9
32.5°	1861.9	1857.7	1899.6	1972.8	2072.1	2140.1	2052.3	1945.6	1862.9	1807.5	1812.7
35°	2036.6	2035.5	2082.6	2182.0	2311.7	2393.3	2288.7	2150.6	2051.2	1994.7	1995.8
37.5°	2261.5	2260.4	2314.8	2422.6	2578.4	2646.4	2529.3	2389.1	2282.4	2228.0	2234.3
40°	2525.1	2518.8	2566.9	2670.5	2826.3	2870.3	2742.6	2629.7	2527.2	2492.6	2509.4
42.5°	2776.1	2762.5	2790.8	2884.9	3005.2	3011.5	2915.2	2837.8	2767.7	2740.6	2751.0
45°	2978.0	2967.5	2993.7	3048.1	3117.1	3085.7	3039.7	3015.7	2959.2	2929.9	2939.3
47.5°	3128.6	3128.6	3160.0	3193.5	3203.9	3146.4	3153.7	3153.7	3097.2	3051.2	3039.7
50°	3258.3	3267.7	3314.8	3349.3	3314.8	3241.6	3283.4	3275.1	3160.0	3068.0	3043.9
52.5°	3465.4	3474.9	3547.0	3594.1	3555.4	3483.2	3488.5	3383.8	3214.4	3105.6	3068.0
55°	3685.1	3708.1	3812.7	3938.2	3939.3	3865.0	3726.9	3541.8	3335.7	3217.5	3178.8
57.5°	3397.4	3428.8	3584.7	3887.0	4105.6	4054.3	3724.8	3399.5	3121.3	2960.2	2938.2
60°	2337.8	2392.2	2548.1	2961.3	3382.8	3402.7	3013.6	2648.5	2329.5	2130.7	2134.9
62.5°	987.4	1042.9	1130.7	1470.7	1857.7	1881.8	1693.5	1432.0	1171.5	1028.2	1050.2
65°	232.2	247.9	274.1	406.9	590.0	617.1	569.0	443.5	327.4	277.2	282.4
67.5°	101.5	103.6	98.3	104.6	129.7	132.8	128.7	113.0	106.7	108.8	108.8
70°	71.1	72.2	68.0	64.9	61.7	57.5	59.6	65.9	71.1	75.3	74.3
72.5°	43.9	45.0	46.0	46.0	42.9	38.7	40.8	45.0	46.0	47.1	46.0
75°	22.0	23.0	25.1	26.2	25.1	24.1	24.1	25.1	25.1	24.1	24.1
77.5°	4.2	5.2	7.3	8.4	8.4	8.4	8.4	8.4	9.4	8.4	8.4
80°	1.0	1.0	2.1	1.0	1.0	1.0	1.0	1.0	1.0	2.1	2.1
82.5°	1.0	1.0	1.0	1.0	0.0	0.0	1.0	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	1.0	1.0	1.0
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.0	1.0	1.0
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)