

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: P633723

Luminaire Tested: GWS-SA2F-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633723
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-SA2F-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9776 lumens
Efficiency: N/A
Efficacy: 78.5 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): 124.5
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

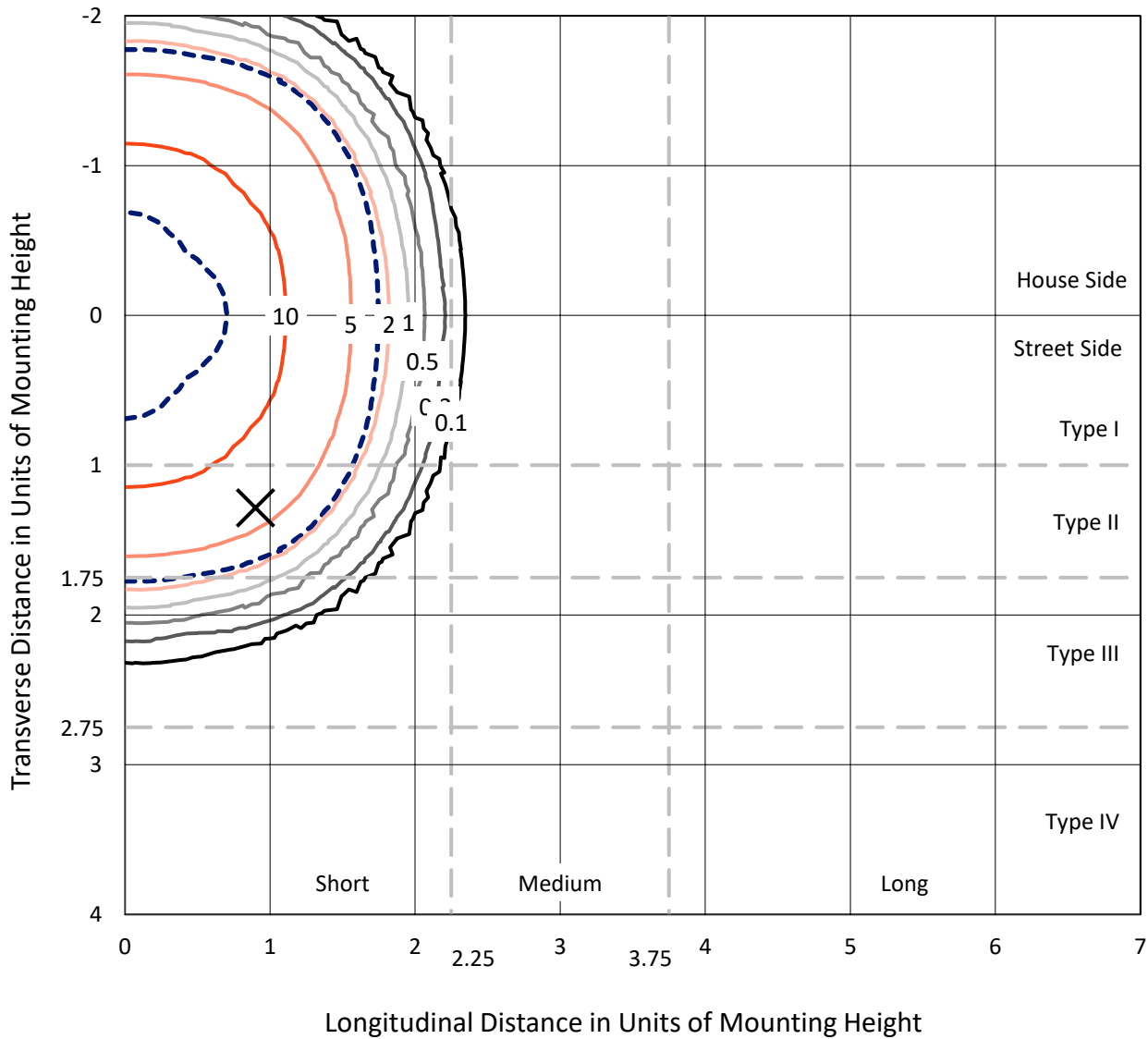


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Iso-Footcandle Lines of Horizontal Illumination

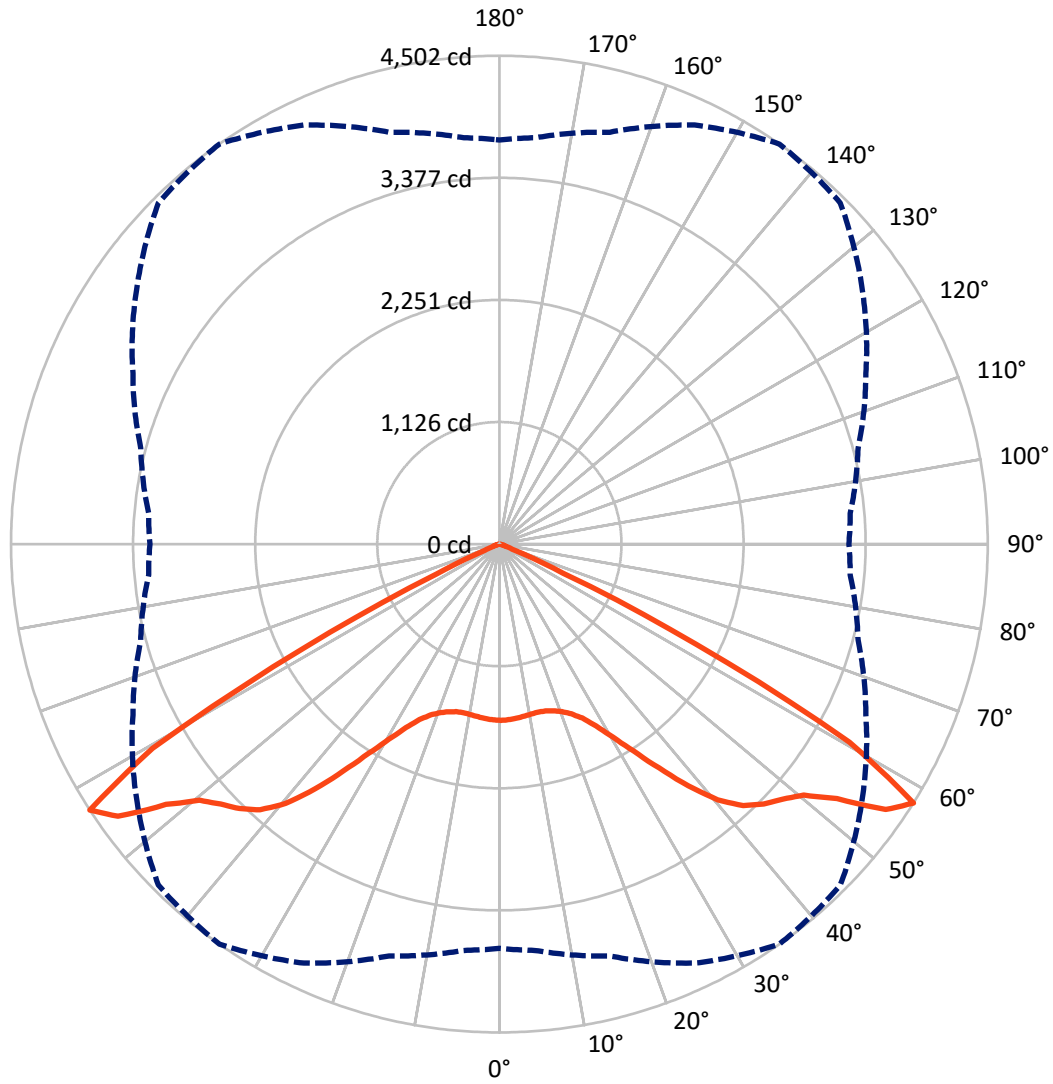
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4888.0	0.0	4888.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4888.0	0.0	4888.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	9776.0	0.0	9776.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	153.1	1.6
10°-20°	450.5	4.6
20°-30°	814.2	8.3
30°-40°	1519.0	15.5
40°-50°	2548.1	26.1
50°-60°	3365.1	34.4
60°-70°	893.7	9.1
70°-80°	31.7	0.3
80°-90°	0.6	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°	9776.0	100.0
0°-180°	9776.0	100.0

Coefficient of Utilization



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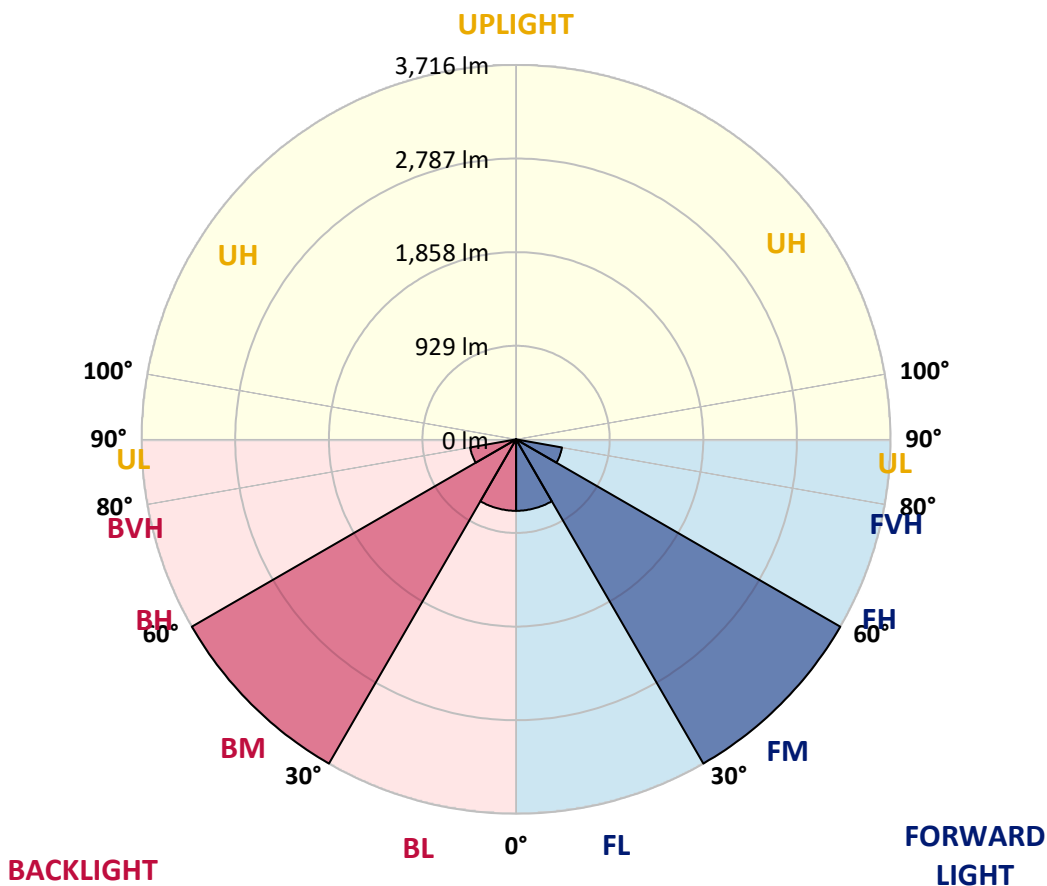
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	708.9	7.3			
FM (30°-60°)	3716.1	38.0			
FH (60°-80°)	462.7	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	708.9	7.3	B2/1000		
BM (30°-60°)	3716.1	38.0	B3/5000		
BH (60°-80°)	462.7	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3	1625.3
2.5°	1613.9	1612.7	1617.3	1620.8	1620.8	1628.8	1626.5	1624.2	1621.9	1618.5	1626.5
5°	1611.6	1610.4	1613.9	1616.2	1613.9	1620.8	1616.2	1611.6	1609.3	1604.7	1613.9
7.5°	1601.3	1602.4	1604.7	1607.0	1603.6	1609.3	1603.6	1596.7	1590.9	1586.3	1594.4
10°	1585.2	1586.3	1588.6	1593.2	1594.4	1602.4	1594.4	1581.8	1573.7	1566.8	1574.9
12.5°	1577.2	1578.3	1581.8	1587.5	1588.6	1599.0	1588.6	1570.3	1558.8	1550.8	1558.8
15°	1579.5	1581.8	1586.3	1593.2	1595.5	1605.8	1592.1	1568.0	1551.9	1541.6	1548.5
17.5°	1587.5	1589.8	1596.7	1608.1	1616.2	1626.5	1609.3	1578.3	1556.5	1541.6	1548.5
20°	1597.8	1601.3	1612.7	1631.1	1648.3	1666.6	1644.8	1602.4	1573.7	1555.4	1561.1
22.5°	1626.5	1629.9	1646.0	1670.1	1698.8	1721.7	1695.3	1641.4	1602.4	1578.3	1584.1
25°	1685.0	1688.4	1709.1	1740.1	1776.8	1806.6	1773.3	1705.6	1655.2	1627.6	1629.9
27.5°	1776.8	1780.2	1804.3	1847.9	1897.2	1939.6	1891.5	1812.3	1755.0	1722.8	1722.8
30°	1892.6	1897.2	1929.3	1987.8	2064.7	2120.9	2055.5	1959.1	1885.7	1842.1	1843.3
32.5°	2041.7	2037.1	2083.0	2163.3	2272.3	2346.8	2250.5	2133.5	2042.9	1982.1	1987.8
35°	2233.3	2232.1	2283.7	2392.7	2534.9	2624.4	2509.7	2358.3	2249.3	2187.4	2188.5
37.5°	2479.9	2478.7	2538.4	2656.5	2827.4	2902.0	2773.5	2619.8	2502.8	2443.2	2450.1
40°	2768.9	2762.1	2814.8	2928.4	3099.3	3147.5	3007.5	2883.6	2771.2	2733.4	2751.7
42.5°	3044.2	3029.3	3060.3	3163.5	3295.4	3302.3	3196.8	3111.9	3035.1	3005.2	3016.7
45°	3265.6	3254.1	3282.8	3342.5	3418.2	3383.8	3333.3	3306.9	3245.0	3212.8	3223.2
47.5°	3430.8	3430.8	3465.2	3501.9	3513.4	3450.3	3458.3	3458.3	3396.4	3345.9	3333.3
50°	3573.0	3583.3	3635.0	3672.8	3635.0	3554.7	3600.5	3591.4	3465.2	3364.3	3337.9
52.5°	3800.1	3810.4	3889.6	3941.2	3898.8	3819.6	3825.4	3710.7	3524.8	3405.5	3364.3
55°	4041.0	4066.2	4180.9	4318.6	4319.7	4238.3	4086.9	3883.9	3657.9	3528.3	3485.8
57.5°	3725.6	3760.0	3930.9	4262.4	4502.1	4445.9	4084.6	3727.9	3422.8	3246.1	3222.0
60°	2563.6	2623.3	2794.2	3247.3	3709.5	3731.3	3304.6	2904.3	2554.4	2336.5	2341.1
62.5°	1082.8	1143.6	1239.9	1612.7	2037.1	2063.5	1857.0	1570.3	1284.7	1127.5	1151.6
65°	254.6	271.8	300.5	446.2	646.9	676.8	624.0	486.3	359.0	304.0	309.7
67.5°	111.3	113.6	107.8	114.7	142.2	145.7	141.1	123.9	117.0	119.3	119.3
70°	78.0	79.1	74.6	71.1	67.7	63.1	65.4	72.3	78.0	82.6	81.4
72.5°	48.2	49.3	50.5	50.5	47.0	42.4	44.7	49.3	50.5	51.6	50.5
75°	24.1	25.2	27.5	28.7	27.5	26.4	26.4	27.5	27.5	26.4	26.4
77.5°	4.6	5.7	8.0	9.2	9.2	9.2	9.2	9.2	10.3	9.2	9.2
80°	1.1	1.1	2.3	1.1	1.1	1.1	1.1	1.1	1.1	2.3	2.3
82.5°	1.1	1.1	1.1	1.1	0.0	0.0	1.1	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	1.1	1.1	1.1
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1	1.1
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)