

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: P635709

Luminaire Tested: GWS-SA3E-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635709
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-SA3E-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11414.5 lumens
Efficiency: N/A
Efficacy: 71.7 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): 159.2
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

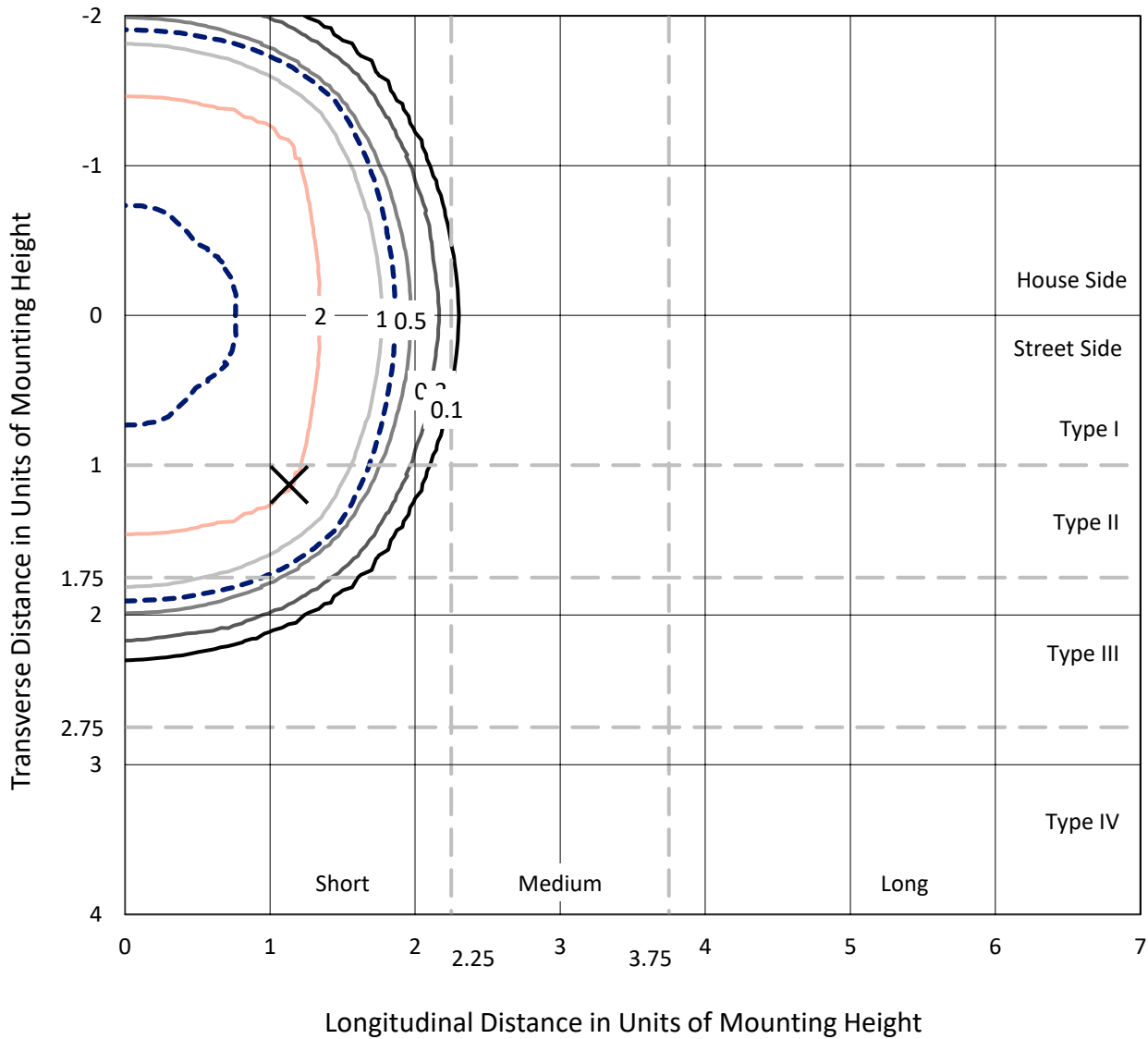


REPORT NUMBER: P635709

CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

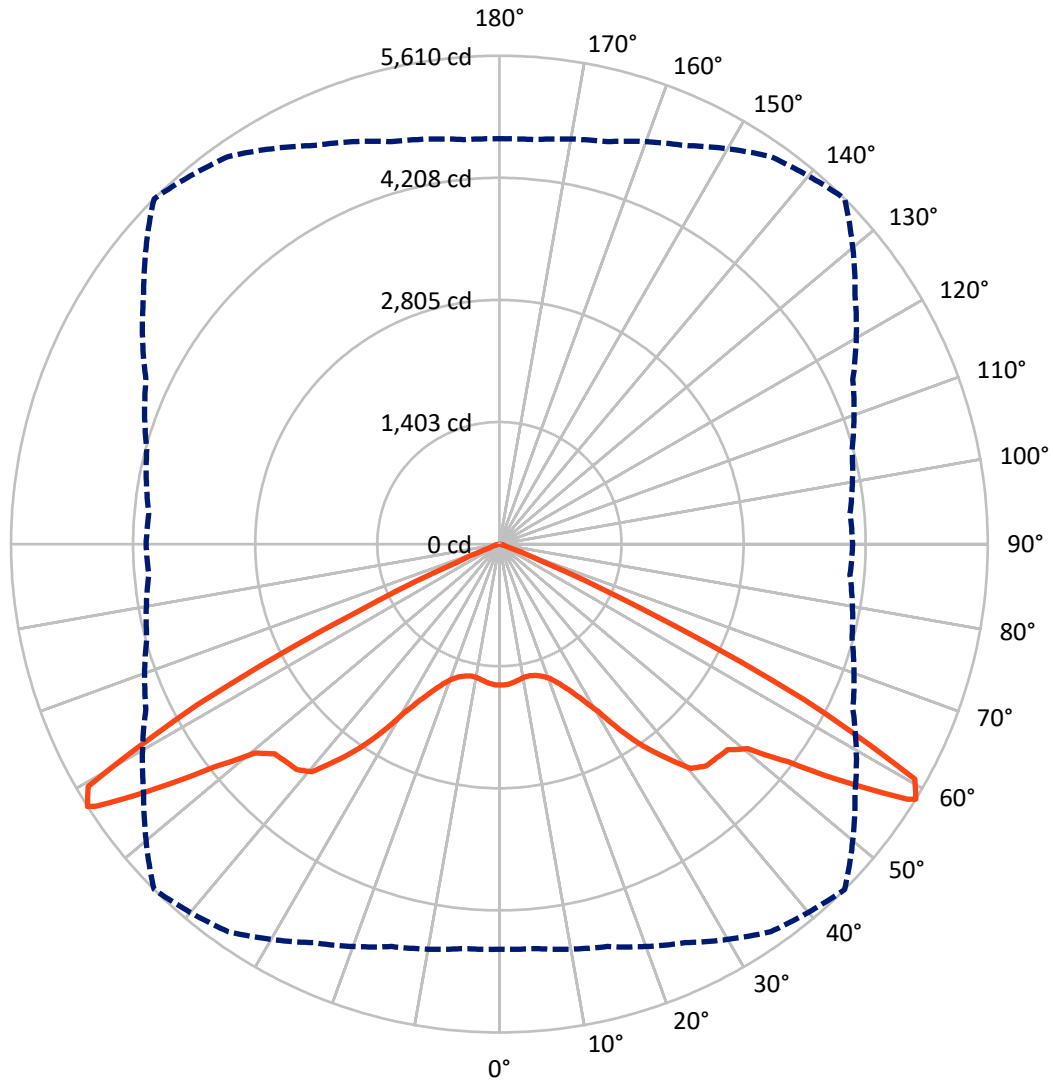
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4 fc
 Type V - Short - N/A

REPORT NUMBER: P635709
CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635709

CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5707.3	0.0	5707.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5707.3	0.0	5707.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	11414.5	0.0	11414.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.0	1.3
10°-20°	446.9	3.9
20°-30°	845.2	7.4
30°-40°	1666.9	14.6
40°-50°	2637.8	23.1
50°-60°	3877.5	34.0
60°-70°	1730.7	15.2
70°-80°	58.0	0.5
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°	11414.5	100.0
0°-180°	11414.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635709

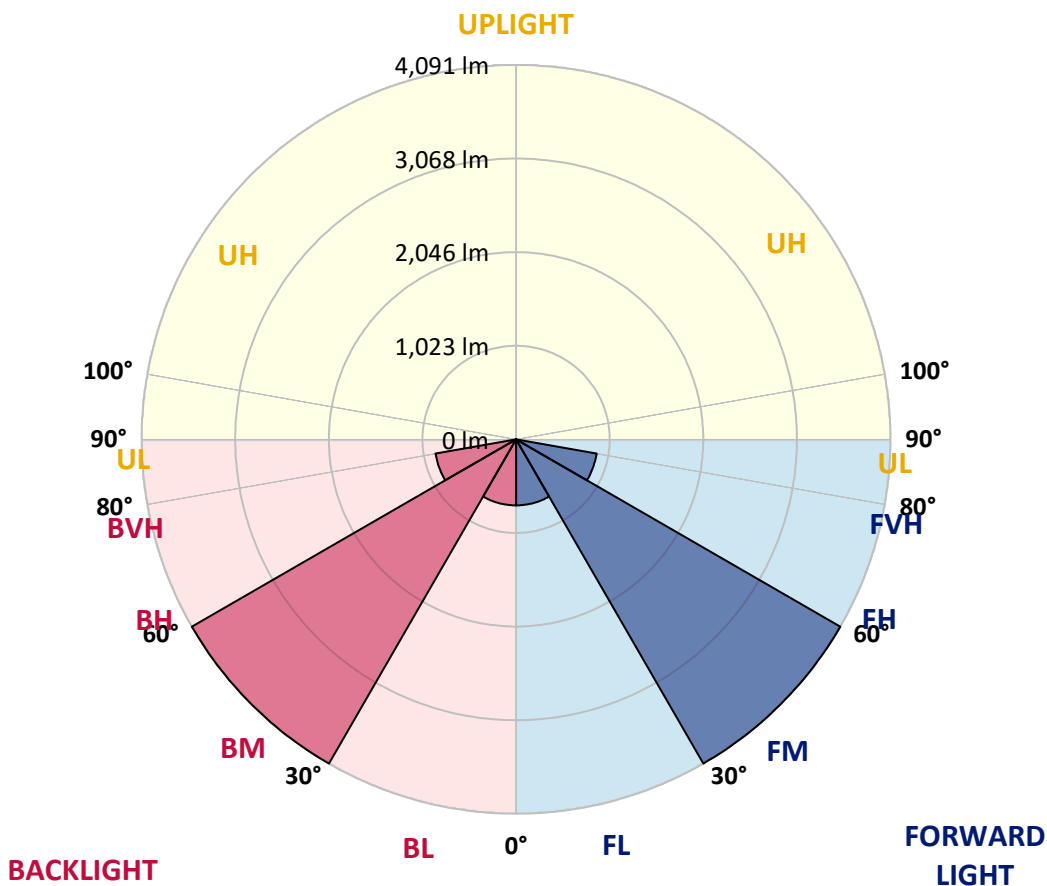
CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	721.5	6.3			
FM (30°-60°)	4091.1	35.8			
FH (60°-80°)	894.4	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	721.5	6.3	B2/1000		
BM (30°-60°)	4091.1	35.8	B3/5000		
BH (60°-80°)	894.4	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





REPORT NUMBER: P635709

CATALOG NUMBER: GWS-SA3E-735-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7	1618.7
2.5°	1603.2	1606.3	1609.4	1611.0	1612.5	1617.2	1618.7	1614.1	1614.1	1604.7	1615.6
5°	1595.4	1598.5	1601.6	1600.1	1600.1	1600.1	1598.5	1592.3	1590.7	1581.4	1592.3
7.5°	1581.4	1584.5	1584.5	1579.9	1576.7	1576.7	1575.2	1567.4	1565.9	1556.5	1567.4
10°	1570.5	1572.1	1570.5	1561.2	1555.0	1555.0	1553.4	1550.3	1551.9	1545.6	1555.0
12.5°	1576.7	1578.3	1572.1	1559.6	1551.9	1550.3	1545.6	1541.0	1545.6	1544.1	1553.4
15°	1597.0	1598.5	1587.6	1572.1	1565.9	1565.9	1553.4	1541.0	1547.2	1548.8	1559.6
17.5°	1621.8	1621.8	1607.8	1593.8	1595.4	1595.4	1575.2	1553.4	1555.0	1561.2	1572.1
20°	1651.4	1651.4	1637.4	1634.3	1645.2	1646.7	1621.8	1587.6	1579.9	1584.5	1597.0
22.5°	1704.3	1704.3	1693.4	1701.1	1726.0	1733.8	1696.5	1648.3	1629.6	1632.7	1645.2
25°	1786.7	1786.7	1783.6	1802.2	1838.0	1855.1	1805.3	1741.6	1710.5	1705.8	1719.8
27.5°	1925.1	1926.6	1921.9	1949.9	1995.0	2015.2	1946.8	1862.9	1825.5	1817.8	1831.8
30°	2103.9	2103.9	2105.4	2144.3	2203.4	2229.8	2139.6	2041.7	1998.1	1973.3	1991.9
32.5°	2302.9	2306.0	2321.6	2386.9	2491.1	2545.5	2413.3	2276.5	2206.5	2180.1	2200.3
35°	2631.0	2601.5	2582.8	2631.0	2781.8	2853.4	2683.9	2523.7	2470.9	2467.7	2519.1
37.5°	2956.0	2938.9	2900.0	2949.8	3085.1	3117.7	2931.1	2797.4	2760.1	2780.3	2831.6
40°	3214.1	3183.0	3131.7	3178.4	3355.6	3388.3	3158.2	3026.0	3012.0	3057.1	3127.1
42.5°	3417.8	3374.3	3305.9	3316.8	3459.8	3483.1	3279.4	3179.9	3189.3	3245.2	3324.5
45°	3509.6	3475.4	3414.7	3410.1	3500.2	3501.8	3341.6	3290.3	3315.2	3358.7	3420.9
47.5°	3548.5	3532.9	3498.7	3490.9	3542.2	3529.8	3430.3	3408.5	3431.8	3444.3	3480.0
50°	3644.9	3644.9	3649.5	3655.7	3708.6	3696.2	3626.2	3601.3	3571.8	3528.2	3539.1
52.5°	3915.4	3926.3	3971.4	4021.2	4117.6	4158.0	4044.5	3899.9	3758.4	3663.5	3663.5
55°	4403.7	4414.6	4467.4	4551.4	4728.7	4825.1	4560.7	4242.0	4047.6	3918.5	3935.6
57.5°	4672.7	4685.1	4794.0	5021.0	5364.7	5527.9	4960.4	4487.7	4215.5	4067.8	4080.3
58°	4655.6	4663.4	4786.2	5052.1	5434.6	5610.3	4988.4	4479.9	4193.8	4042.9	4058.5
60°	4136.2	4125.3	4321.3	4700.7	5240.3	5482.8	4710.0	4089.6	3756.8	3602.9	3610.7
62.5°	2704.1	2710.3	2879.8	3276.3	3696.2	3924.8	3290.3	2828.5	2561.0	2467.7	2444.4
65°	1128.9	1108.7	1212.9	1433.7	1685.6	1813.1	1558.1	1318.6	1153.8	1091.6	1108.7
67.5°	290.8	283.0	289.2	362.3	443.2	524.0	440.1	335.9	292.3	295.4	295.4
70°	164.8	155.5	126.0	116.6	113.5	113.5	113.5	113.5	130.6	153.9	158.6
72.5°	124.4	116.6	91.7	79.3	70.0	65.3	68.4	79.3	94.9	115.1	118.2
75°	62.2	62.2	56.0	52.9	46.6	43.5	45.1	49.8	57.5	65.3	63.8
77.5°	12.4	14.0	15.5	18.7	15.5	15.5	15.5	18.7	18.7	20.2	18.7
80°	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6
82.5°	0.0	1.6	1.6	0.0	0.0	0.0	0.0	1.6	1.6	1.6	1.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.6	1.6
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)