

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: P634773

Luminaire Tested: GWS-SA3C-740-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634773
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-740-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14580 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

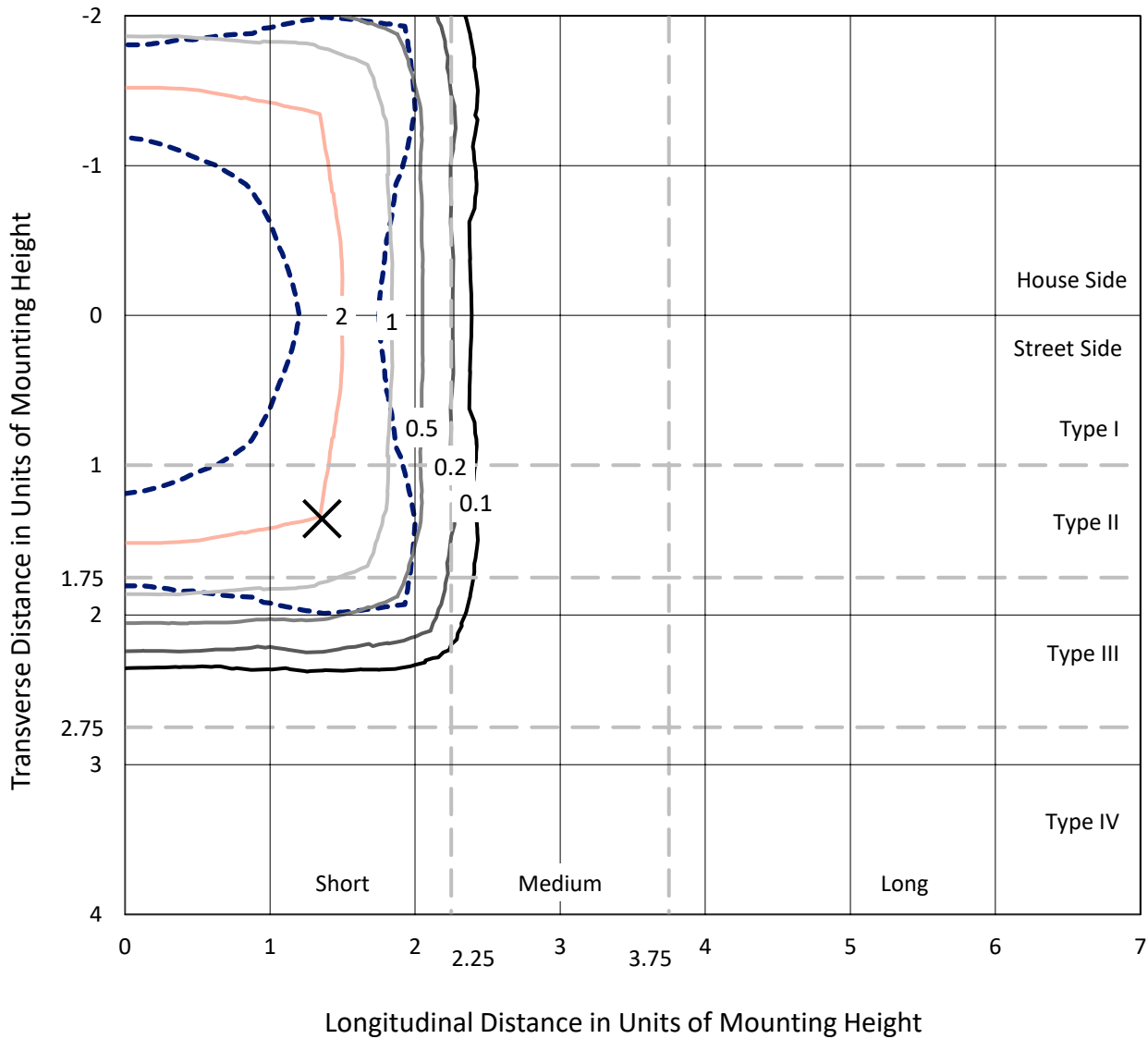
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634773
 CATALOG NUMBER: GWS-SA3C-740-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

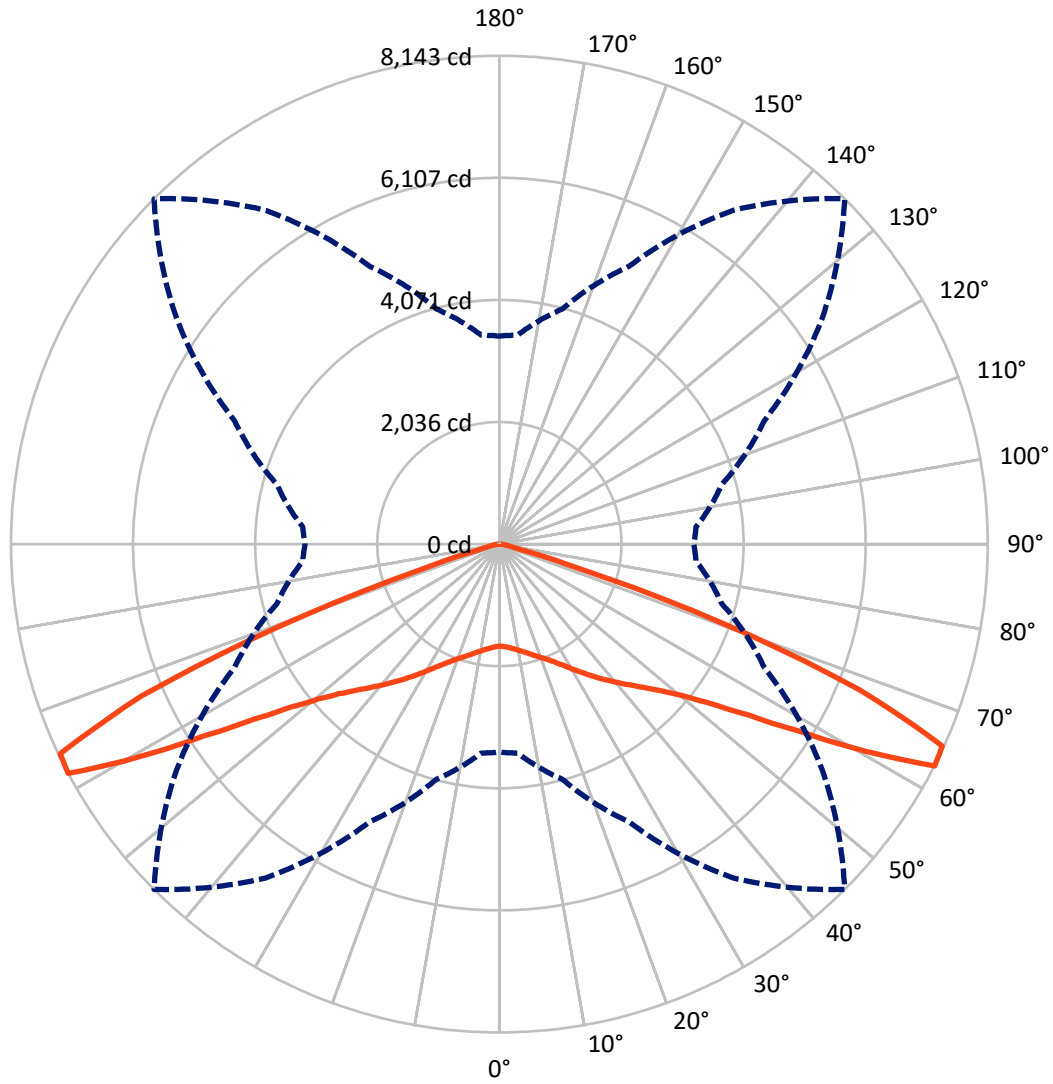
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.3 fc
 Type V - Short - N/A

REPORT NUMBER: P634773
CATALOG NUMBER: GWS-SA3C-740-U-5NQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

REPORT NUMBER: P634773

CATALOG NUMBER: GWS-SA3C-740-U-5NQ-W

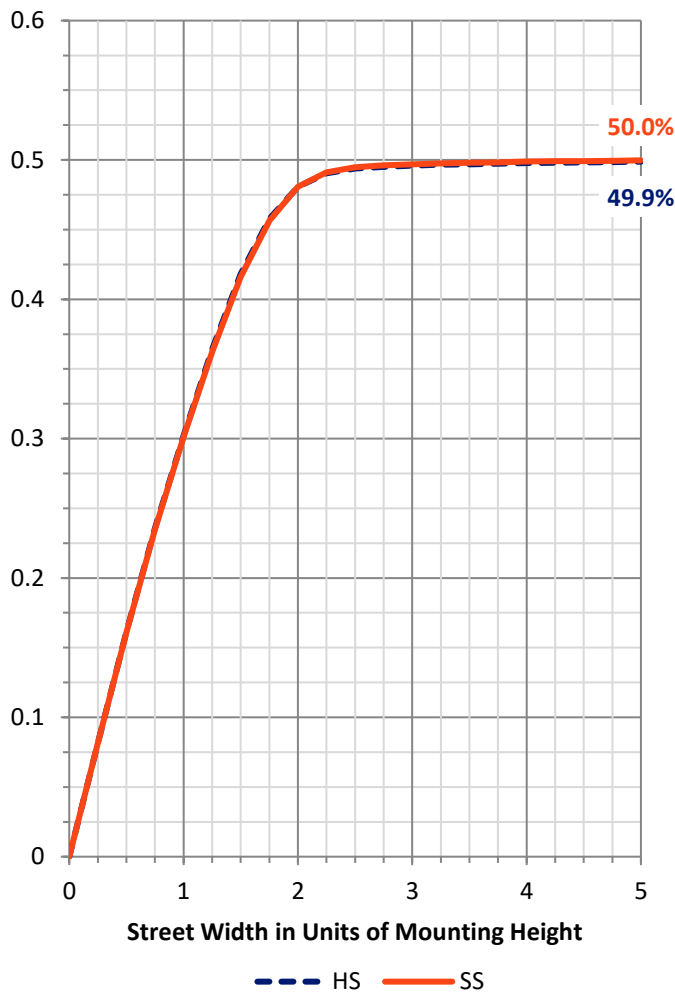
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7290.0	0.0	7290.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7290.0	0.0	7290.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14580.0	0.0	14580.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	166.9	1.1
10°-20°	538.2	3.7
20°-30°	1018.2	7.0
30°-40°	1713.7	11.8
40°-50°	2738.0	18.8
50°-60°	4413.6	30.3
60°-70°	3601.0	24.7
70°-80°	349.7	2.4
80°-90°	40.7	0.3
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°	14580.0	100.0
0°-180°	14580.0	100.0

Coefficient of Utilization



REPORT NUMBER: P634773

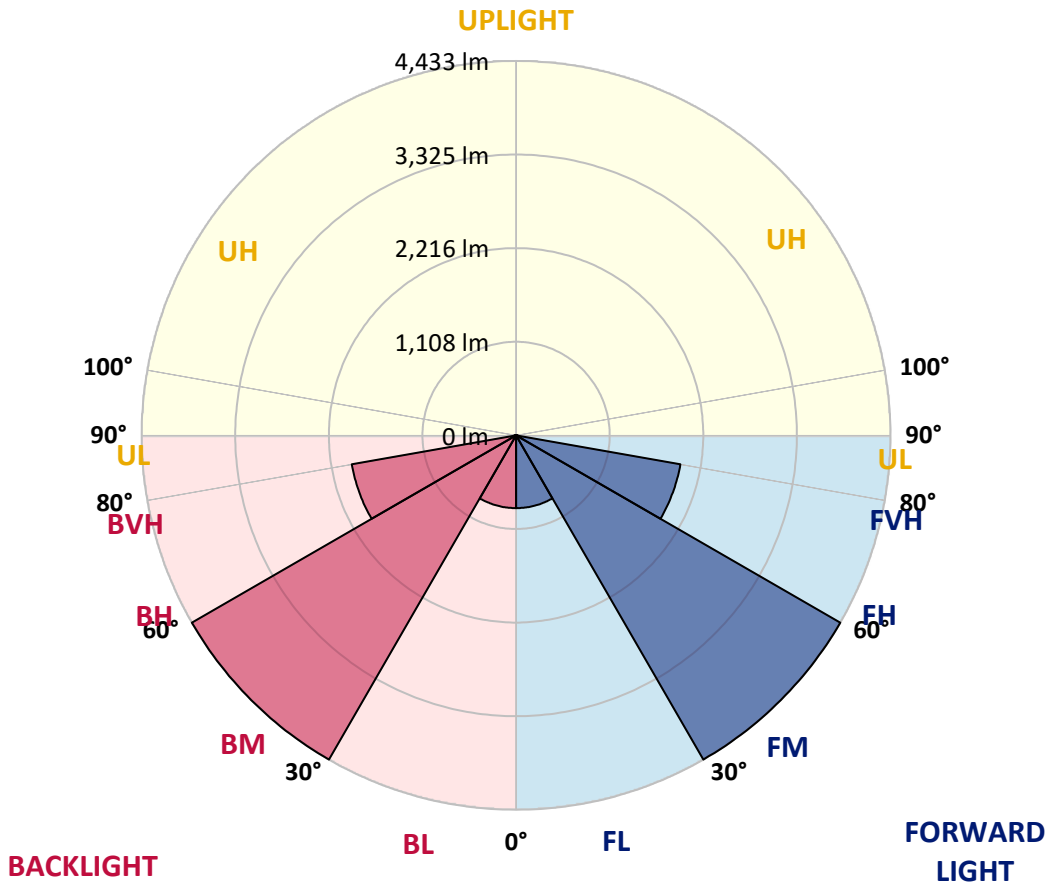
CATALOG NUMBER: GWS-SA3C-740-U-5NQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	861.6	5.9			
FM (30°-60°)	4432.7	30.4			
FH (60°-80°)	1975.4	13.5			G2/5000
FVH (80°-90°)	20.3	0.1			G1/100
BL (0°-30°)	861.6	5.9	B2/1000		
BM (30°-60°)	4432.7	30.4	B3/5000		
BH (60°-80°)	1975.4	13.5	B3/2500		G2/5000
BVH (80°-90°)	20.3	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





REPORT NUMBER: P634773
 CATALOG NUMBER: GWS-SA3C-740-U-5NQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0	1701.0
2.5°	1699.0	1699.0	1703.0	1706.0	1704.0	1712.0	1711.0	1709.0	1708.0	1705.0	1714.0
5°	1722.0	1722.0	1725.0	1728.0	1723.0	1733.0	1729.0	1727.0	1726.0	1722.0	1730.0
7.5°	1748.0	1751.0	1752.0	1757.0	1754.0	1765.0	1762.0	1758.0	1756.0	1751.0	1758.0
10°	1777.0	1779.0	1780.0	1789.0	1790.0	1803.0	1800.0	1795.0	1791.0	1786.0	1796.0
12.5°	1816.0	1817.0	1820.0	1831.0	1833.9	1843.9	1842.9	1835.9	1831.0	1824.0	1834.9
15°	1865.9	1866.9	1871.9	1882.9	1887.9	1899.9	1895.9	1884.9	1877.9	1869.9	1878.9
17.5°	1917.9	1921.9	1926.9	1937.9	1944.9	1958.9	1953.9	1941.9	1935.9	1927.9	1933.9
20°	1984.9	1985.9	1988.9	2000.9	2005.9	2021.9	2022.9	2010.9	2007.9	1999.9	2008.9
22.5°	2058.9	2059.9	2062.9	2075.9	2084.9	2094.9	2100.9	2093.9	2088.9	2078.9	2089.9
25°	2140.9	2150.9	2153.9	2169.9	2179.9	2185.9	2192.9	2189.9	2182.9	2170.9	2175.9
27.5°	2255.9	2257.9	2262.9	2280.9	2286.9	2292.9	2299.9	2300.9	2290.9	2276.9	2283.9
30°	2386.9	2385.9	2396.9	2410.9	2415.9	2420.9	2430.9	2436.9	2423.9	2408.9	2415.9
32.5°	2520.9	2532.9	2546.9	2559.9	2556.9	2558.9	2574.9	2585.9	2567.9	2540.9	2546.9
35°	2671.9	2679.9	2697.9	2716.9	2712.9	2709.9	2719.9	2730.9	2705.9	2670.9	2679.9
37.5°	2826.9	2838.9	2865.9	2888.9	2882.9	2868.9	2879.9	2891.9	2867.9	2827.9	2823.9
40°	2999.9	3018.9	3057.9	3076.9	3060.9	3033.9	3052.9	3081.9	3057.9	3011.9	3000.9
42.5°	3202.9	3225.9	3264.9	3293.9	3258.9	3214.9	3246.9	3288.9	3282.9	3221.9	3202.9
45°	3453.9	3468.9	3516.9	3530.9	3478.9	3417.9	3475.9	3539.9	3524.9	3458.9	3433.9
47.5°	3726.9	3749.9	3791.9	3817.9	3733.9	3657.9	3738.9	3824.9	3808.9	3746.9	3717.9
50°	4074.9	4104.9	4159.9	4181.9	4065.9	3978.9	4082.9	4191.9	4160.9	4077.9	4039.9
52.5°	4453.9	4477.9	4571.9	4615.9	4506.9	4412.9	4503.9	4610.9	4544.9	4434.9	4383.9
55°	4787.9	4811.9	4949.9	5095.9	5090.9	5025.9	5071.9	5073.9	4894.9	4712.9	4658.9
57.5°	4859.9	4883.9	5146.9	5528.8	5798.8	5873.8	5738.8	5454.9	5003.9	4684.9	4623.9
60°	4475.9	4502.9	4920.9	5618.8	6506.8	7007.8	6385.8	5446.9	4666.9	4234.9	4176.9
62.5°	3467.9	3496.9	4058.9	5106.9	6792.8	8142.8	6573.8	4873.9	3838.9	3291.9	3240.9
65°	1656.0	1656.0	2369.9	3662.9	6222.8	8115.8	6029.8	3605.9	2310.9	1775.0	1731.0
67.5°	410.0	412.0	610.0	1426.0	4232.9	6476.8	4301.9	1731.0	814.0	576.0	561.0
70°	256.0	255.0	283.0	386.0	1481.0	3930.9	1759.0	522.0	331.0	292.0	290.0
72.5°	199.0	199.0	213.0	247.0	388.0	1339.0	513.0	290.0	240.0	216.0	216.0
75°	157.0	157.0	167.0	185.0	229.0	345.0	273.0	215.0	186.0	170.0	168.0
77.5°	117.0	119.0	127.0	139.0	156.0	194.0	173.0	162.0	145.0	133.0	129.0
80°	76.0	79.0	89.0	96.0	102.0	128.0	113.0	118.0	110.0	96.0	94.0
82.5°	41.0	42.0	54.0	56.0	58.0	70.0	72.0	75.0	78.0	61.0	57.0
85°	15.0	15.0	18.0	21.0	23.0	25.0	34.0	42.0	44.0	35.0	34.0
87.5°	3.0	3.0	3.0	2.0	2.0	2.0	6.0	11.0	18.0	14.0	14.0
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)