

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: P632352

Luminaire Tested: GWS-SA2C-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632352
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8582.7 lumens
Efficiency: N/A
Efficacy: 135.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

Input Watts (W): 63.2
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

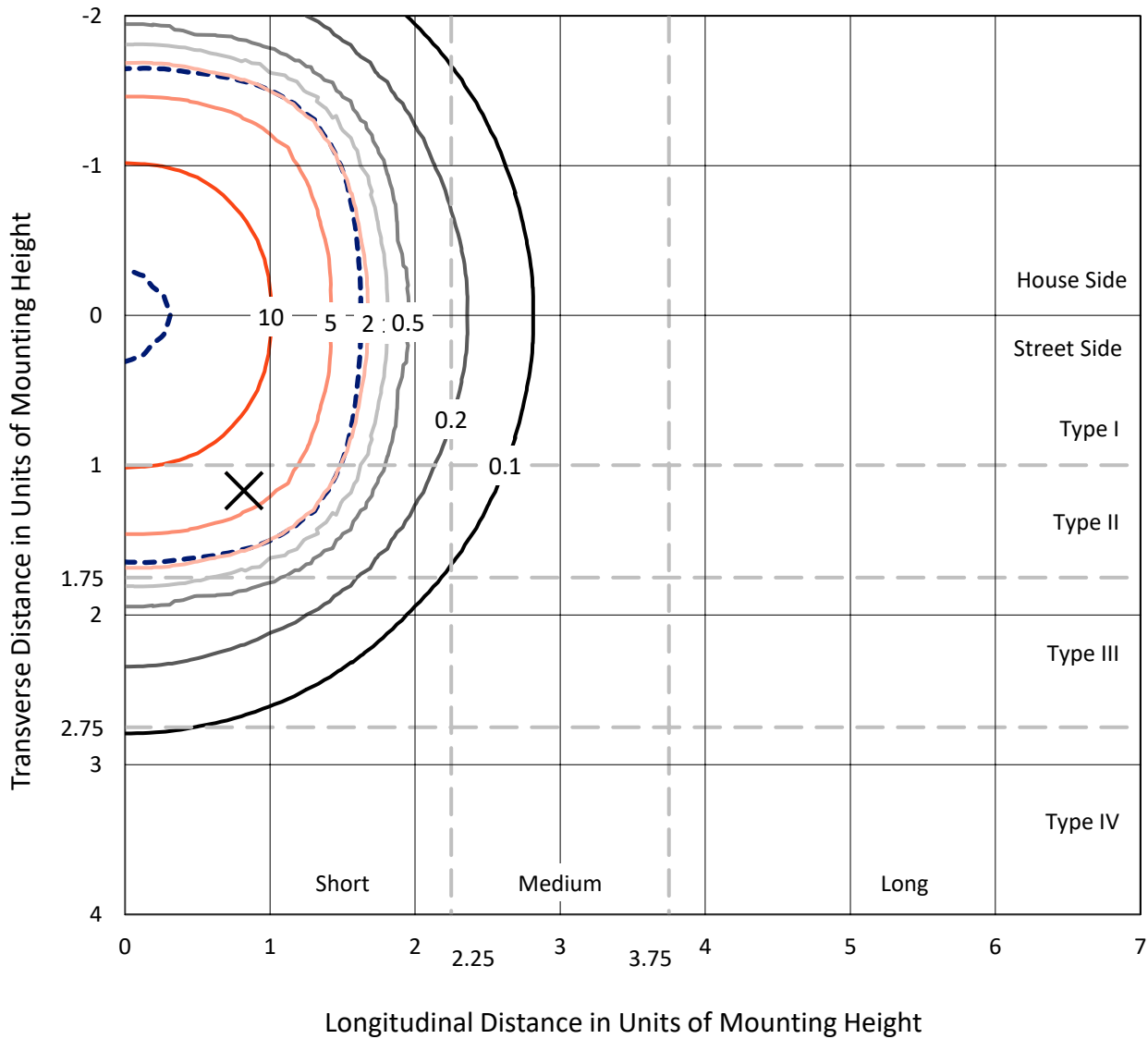


REPORT NUMBER: P632352

CATALOG NUMBER: GWS-SA2C-750-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

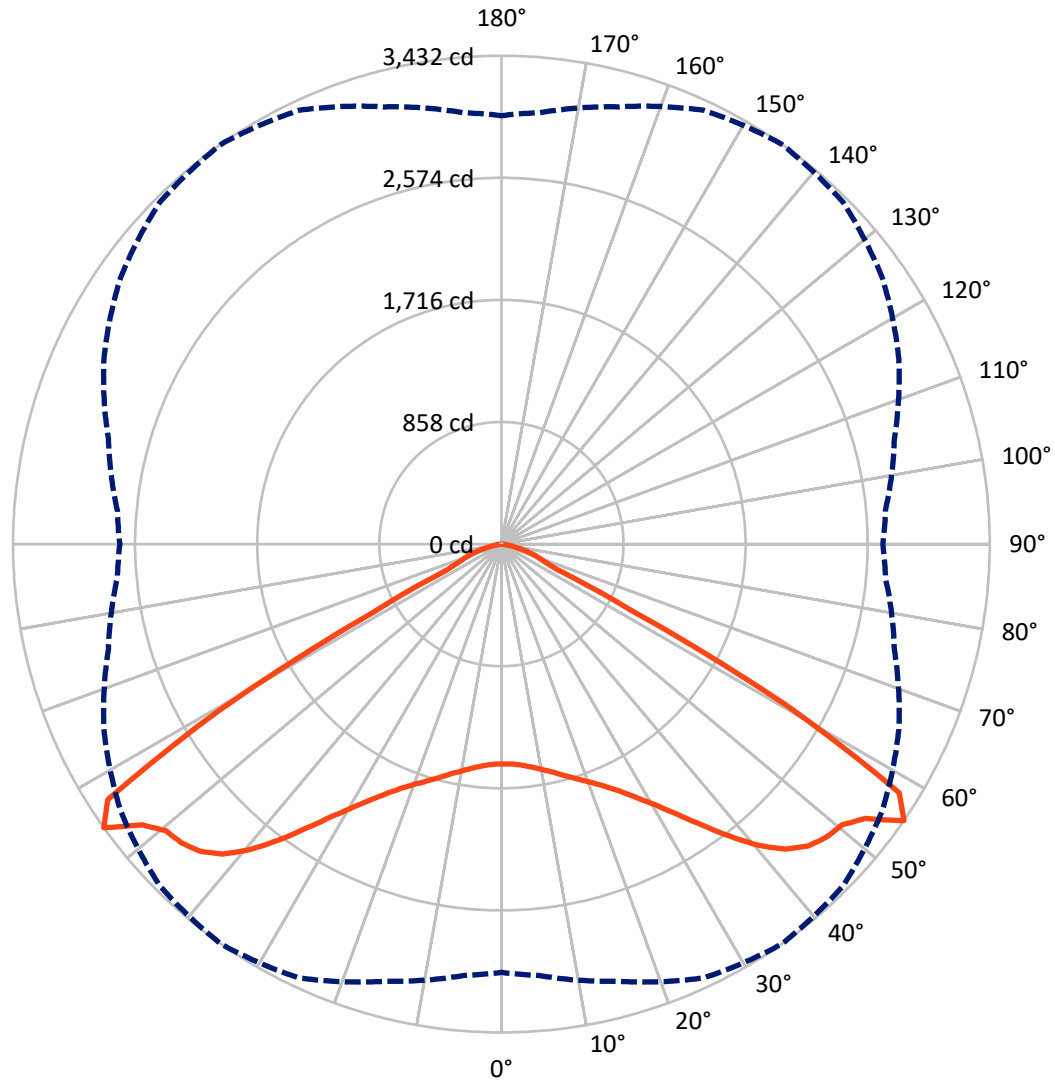
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.5 fc
 Type V - Short - N/A

REPORT NUMBER: P632352
CATALOG NUMBER: GWS-SA2C-750-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P632352

CATALOG NUMBER: GWS-SA2C-750-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4291.3	0.0	4291.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4291.3	0.0	4291.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	8582.7	0.0	8582.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	150.6	1.8
10°-20°	479.5	5.6
20°-30°	887.4	10.3
30°-40°	1484.5	17.3
40°-50°	2262.1	26.4
50°-60°	2534.1	29.5
60°-70°	599.6	7.0
70°-80°	161.6	1.9
80°-90°	23.3	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°	8582.7	100.0
0°-180°	8582.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632352

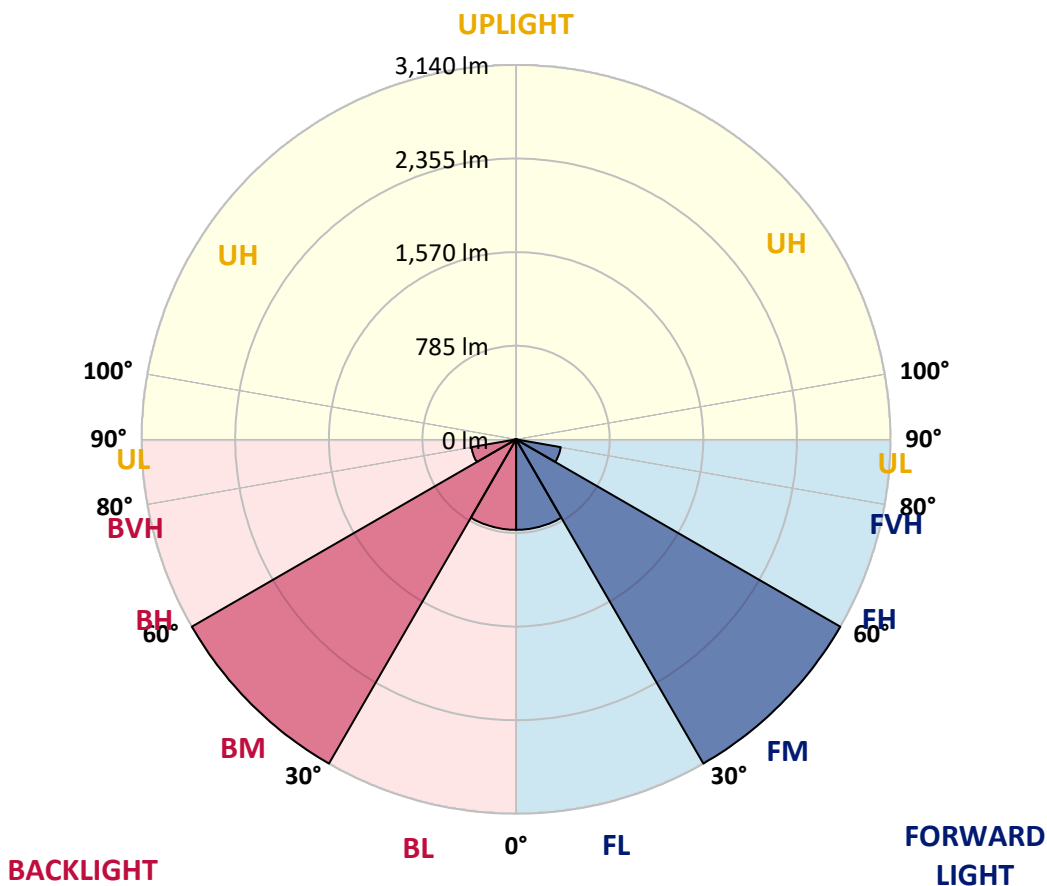
CATALOG NUMBER: GWS-SA2C-750-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	758.8	8.8			
FM (30°-60°)	3140.3	36.6			
FH (60°-80°)	380.6	4.4			G0/660
FVH (80°-90°)	11.6	0.1			G1/100
BL (0°-30°)	758.8	8.8	B2/1000		
BM (30°-60°)	3140.3	36.6	B3/5000		
BH (60°-80°)	380.6	4.4	B1/500		G0/660
BVH (80°-90°)	11.6	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-G1

Type V Short





REPORT NUMBER: P632352

CATALOG NUMBER: GWS-SA2C-750-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1	1544.1
2.5°	1540.7	1540.7	1543.4	1546.8	1547.4	1554.2	1552.9	1550.2	1548.8	1546.1	1552.2
5°	1557.6	1558.3	1560.3	1562.4	1561.0	1566.4	1564.4	1561.0	1559.0	1555.6	1561.7
7.5°	1580.0	1580.0	1582.1	1584.8	1583.4	1591.6	1587.5	1582.7	1579.3	1575.3	1580.7
10°	1600.4	1601.7	1603.8	1609.2	1611.9	1620.7	1618.0	1611.2	1605.8	1601.1	1607.2
12.5°	1630.9	1632.3	1634.3	1641.8	1646.5	1655.4	1651.3	1641.8	1633.6	1626.9	1633.6
15°	1670.3	1668.9	1674.4	1683.9	1690.0	1698.1	1693.4	1677.1	1666.2	1657.4	1664.2
17.5°	1710.3	1709.7	1715.1	1727.3	1736.1	1747.0	1738.8	1719.8	1708.3	1697.4	1704.2
20°	1753.8	1755.8	1761.2	1772.8	1785.7	1799.9	1793.1	1772.8	1759.9	1747.7	1753.1
22.5°	1807.4	1808.1	1814.2	1829.1	1846.1	1859.6	1855.6	1830.5	1814.2	1801.3	1808.1
25°	1871.9	1871.2	1879.3	1897.0	1920.7	1934.3	1925.5	1897.7	1880.0	1865.1	1870.5
27.5°	1945.8	1945.2	1957.4	1980.5	2014.4	2033.4	2015.1	1980.5	1956.0	1935.0	1939.7
30°	2038.8	2036.8	2050.4	2081.6	2125.7	2157.6	2130.5	2082.3	2050.4	2028.0	2032.7
32.5°	2142.0	2144.7	2161.7	2203.8	2259.4	2300.8	2260.1	2206.5	2163.7	2131.1	2136.6
35°	2255.3	2255.3	2289.9	2342.2	2421.6	2476.6	2413.5	2336.1	2279.1	2234.3	2235.6
37.5°	2381.6	2382.9	2428.4	2500.3	2604.2	2668.7	2583.1	2487.4	2418.2	2370.0	2367.3
40°	2535.6	2539.7	2586.5	2666.6	2783.4	2842.4	2750.8	2657.1	2586.5	2529.5	2524.1
42.5°	2709.4	2710.7	2760.3	2832.2	2930.6	2965.9	2894.0	2817.3	2759.6	2708.0	2702.6
45°	2875.0	2871.6	2914.4	2968.0	3025.0	3028.4	2988.3	2957.1	2906.9	2862.8	2854.6
47.5°	3003.9	3001.2	3039.9	3069.1	3075.9	3042.6	3055.5	3060.3	3001.9	2942.2	2926.6
50°	3082.7	3088.1	3124.8	3141.0	3101.0	3046.7	3095.6	3083.4	2999.9	2921.8	2896.7
52.5°	3130.2	3138.3	3202.1	3243.5	3202.1	3150.5	3157.3	3085.4	2965.3	2862.1	2829.5
55°	3010.1	3042.6	3180.4	3363.7	3431.5	3395.6	3266.6	3081.3	2858.7	2708.7	2680.9
57.5°	2230.9	2282.5	2486.8	2883.8	3296.5	3427.5	3050.8	2583.1	2245.8	2053.1	2036.8
60°	1138.9	1196.6	1360.1	1768.0	2298.8	2483.4	2125.0	1654.0	1314.6	1158.5	1140.9
62.5°	464.9	474.4	528.0	685.5	1016.0	1172.1	1029.6	722.8	543.0	500.2	500.9
65°	365.8	367.9	365.1	374.6	425.5	472.4	436.4	383.5	374.0	378.7	375.3
67.5°	319.0	319.7	317.6	317.6	319.7	317.6	321.7	323.7	325.1	330.5	327.1
70°	266.7	267.4	267.4	268.8	268.1	264.7	270.8	273.5	274.2	277.6	275.6
72.5°	206.3	208.4	209.7	210.4	209.7	207.7	211.1	215.8	215.1	218.5	215.1
75°	139.8	142.5	143.9	146.6	145.9	145.9	150.0	152.0	150.0	152.7	150.0
77.5°	79.4	81.4	85.5	88.2	90.9	93.0	95.7	97.1	96.4	97.7	96.4
80°	46.2	46.8	50.2	51.6	55.0	58.4	61.1	62.4	63.1	63.8	63.1
82.5°	26.5	27.1	28.5	29.9	32.6	35.3	38.0	40.0	40.0	40.7	40.0
85°	12.9	12.9	13.6	14.3	15.6	17.6	19.7	21.7	22.4	22.4	22.4
87.5°	2.0	2.0	2.7	2.7	3.4	4.1	5.4	6.8	7.5	7.5	7.5
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)