

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: P632685

Luminaire Tested: GWS-SA2D-730-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632685
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8979.6 lumens
Efficiency: N/A
Efficacy: 109.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

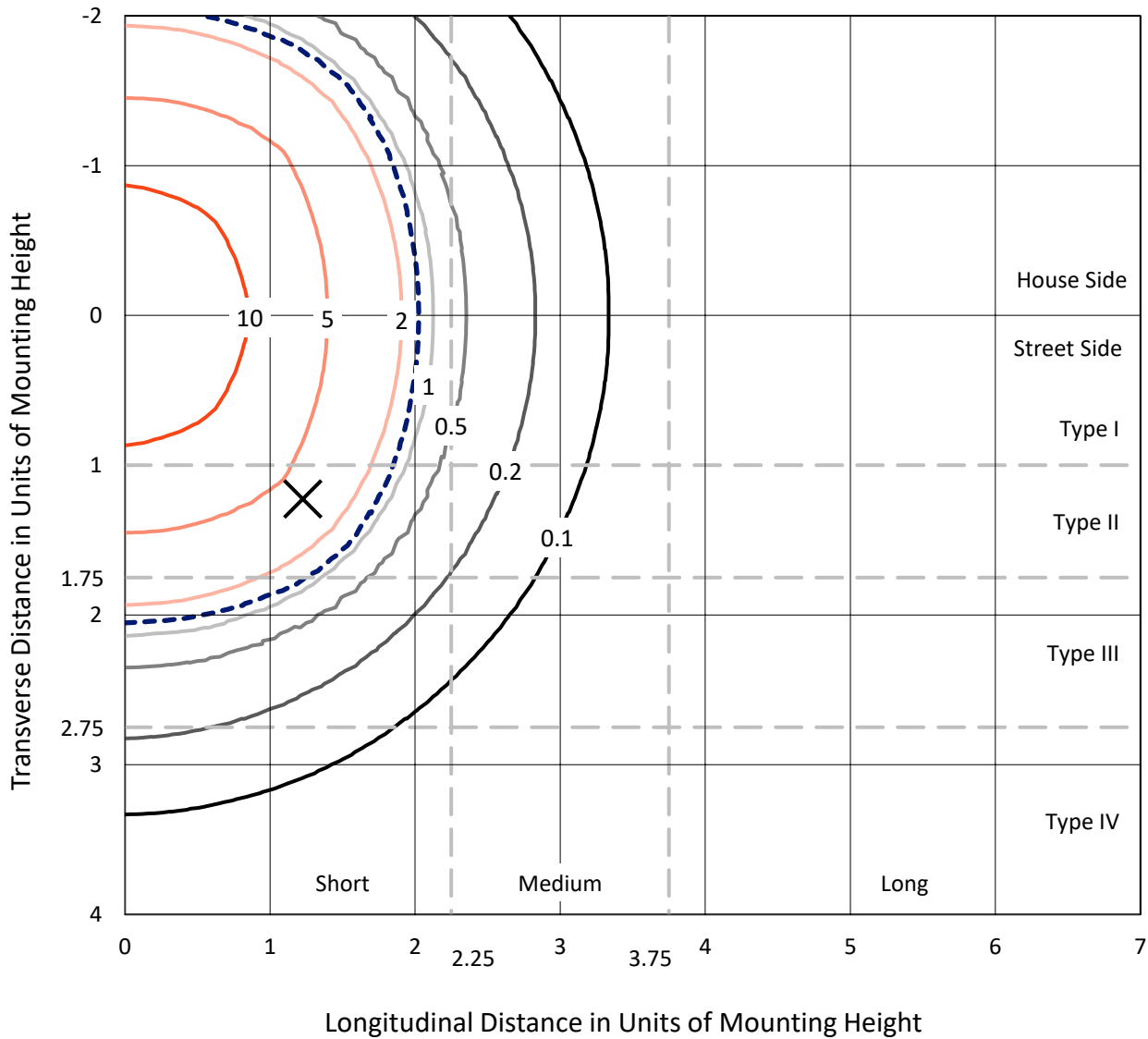
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632685
 CATALOG NUMBER: GWS-SA2D-730-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

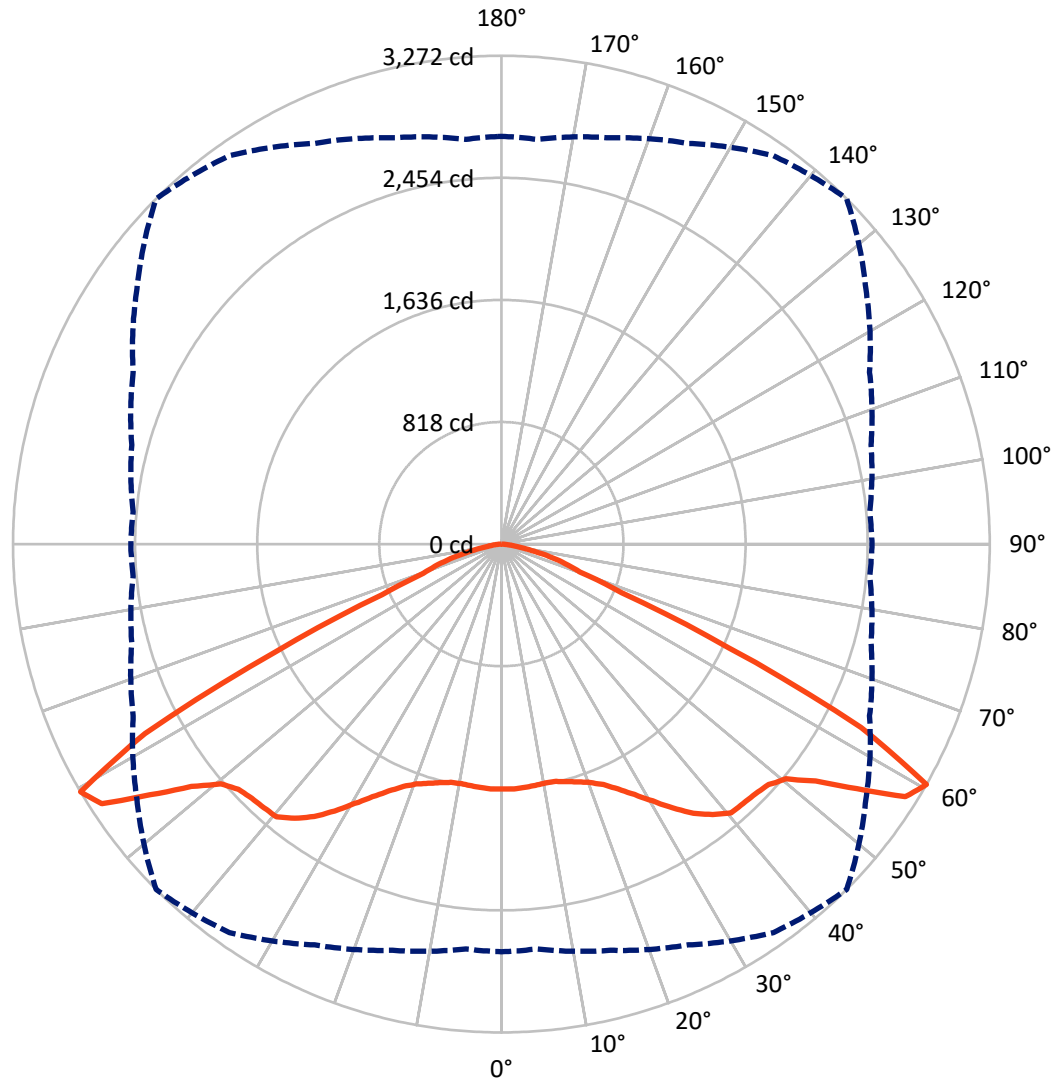
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 16.4 fc
 Type V - Short - N/A

REPORT NUMBER: P632685
CATALOG NUMBER: GWS-SA2D-730-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P632685

CATALOG NUMBER: GWS-SA2D-730-U-5WQ-W-GRSWH

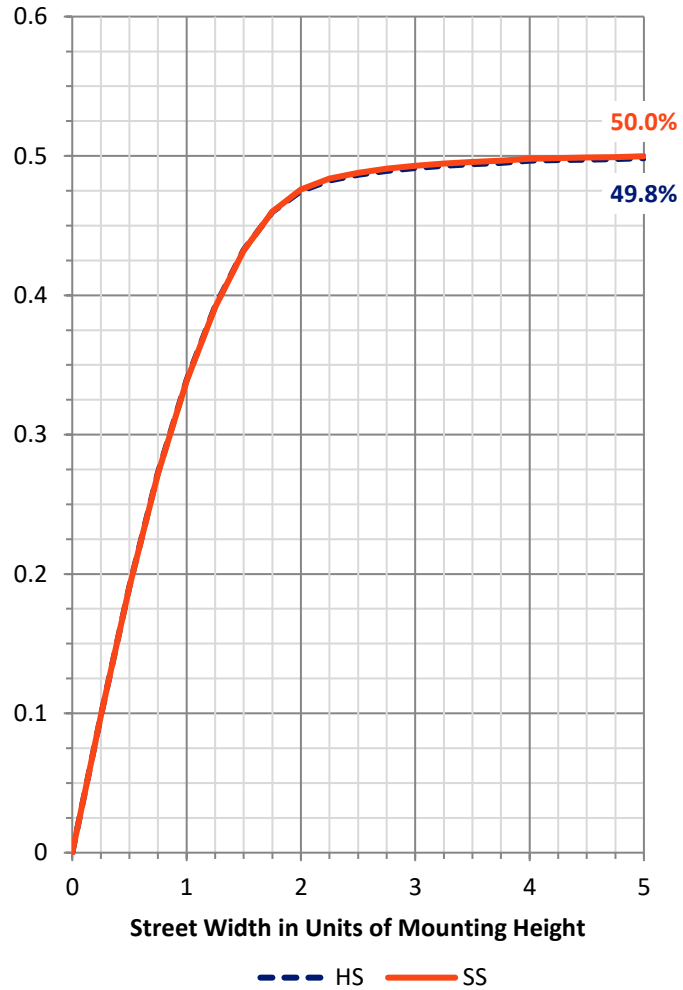
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4489.8	0.0	4489.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4489.8	0.0	4489.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	8979.6	0.0	8979.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.6	1.7
10°-20°	468.1	5.2
20°-30°	828.1	9.2
30°-40°	1333.3	14.8
40°-50°	1832.6	20.4
50°-60°	2442.2	27.2
60°-70°	1522.1	17.0
70°-80°	350.0	3.9
80°-90°	47.5	0.5
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°	8979.6	100.0
0°-180°	8979.6	100.0

Coefficient of Utilization



REPORT NUMBER: P632685

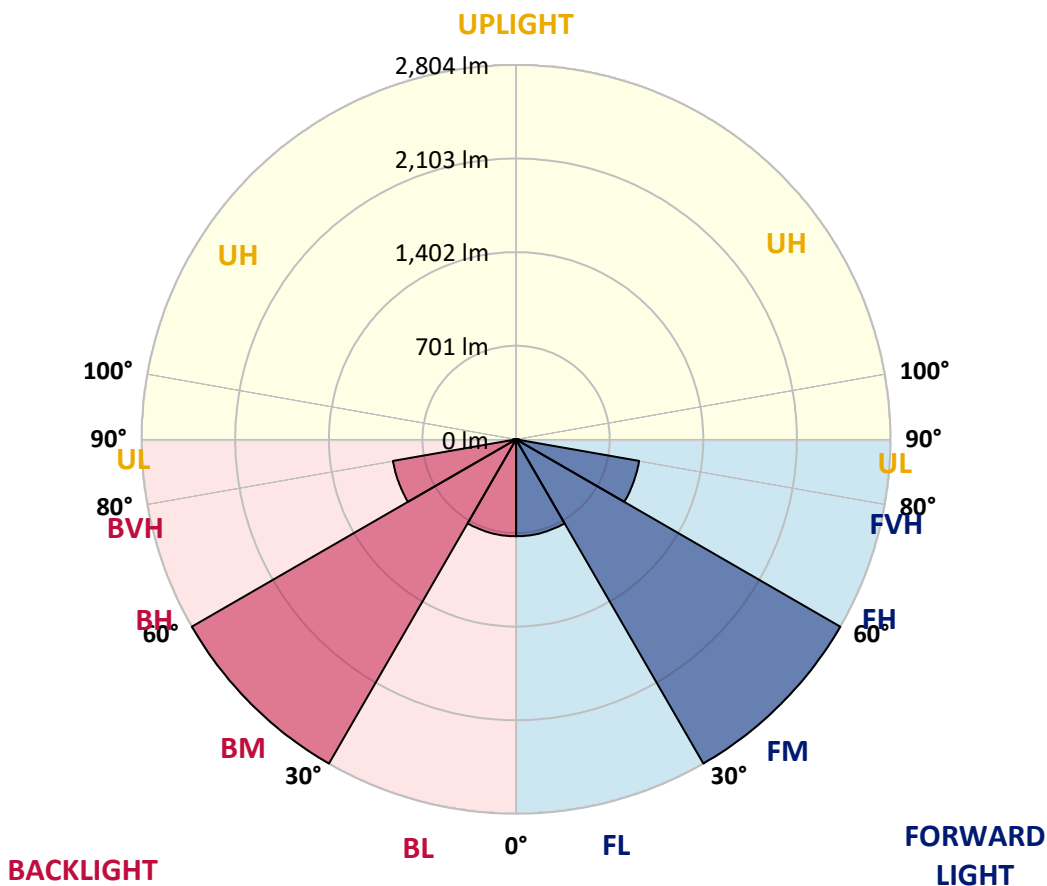
CATALOG NUMBER: GWS-SA2D-730-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	725.9	8.1			
FM (30°-60°)	2804.1	31.2			
FH (60°-80°)	936.0	10.4			G1/1800
FVH (80°-90°)	23.7	0.3			G1/100
BL (0°-30°)	725.9	8.1	B2/1000		
BM (30°-60°)	2804.1	31.2	B3/5000		
BH (60°-80°)	936.0	10.4	B2/1000		G1/1800
BVH (80°-90°)	23.7	0.3			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: P632685

CATALOG NUMBER: GWS-SA2D-730-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0	1641.0
2.5°	1629.6	1631.1	1634.1	1636.4	1639.5	1642.5	1644.1	1641.0	1639.5	1633.4	1640.2
5°	1631.1	1632.6	1634.9	1634.9	1635.7	1638.0	1638.0	1634.1	1630.3	1623.5	1631.1
7.5°	1628.8	1630.3	1631.1	1630.3	1631.1	1631.9	1630.3	1625.8	1622.0	1615.9	1622.0
10°	1625.0	1626.5	1628.1	1626.5	1625.0	1627.3	1627.3	1624.2	1622.0	1615.9	1622.7
12.5°	1633.4	1635.7	1636.4	1632.6	1631.1	1631.9	1631.9	1628.8	1628.8	1623.5	1631.1
15°	1653.2	1654.7	1652.4	1647.9	1648.6	1650.9	1645.6	1638.0	1636.4	1634.1	1640.2
17.5°	1668.4	1670.0	1667.7	1664.6	1670.0	1675.3	1665.4	1650.9	1646.3	1644.8	1651.7
20°	1685.2	1687.5	1684.5	1688.3	1698.9	1705.0	1692.8	1673.0	1663.9	1661.6	1670.0
22.5°	1712.7	1715.7	1715.7	1724.1	1740.1	1750.0	1734.8	1708.1	1694.4	1690.6	1698.9
25°	1756.1	1758.4	1760.7	1777.4	1803.4	1817.1	1792.7	1756.1	1737.0	1730.9	1735.5
27.5°	1816.3	1820.1	1823.9	1848.3	1880.3	1900.2	1865.1	1819.4	1795.7	1783.5	1792.7
30°	1888.0	1893.3	1902.4	1929.9	1974.9	1997.0	1952.0	1896.3	1869.7	1856.7	1868.9
32.5°	1985.5	1986.3	1993.1	2023.6	2083.1	2108.2	2051.8	1990.1	1962.7	1947.4	1954.3
35°	2101.4	2102.1	2091.5	2122.7	2186.7	2214.9	2148.6	2086.1	2063.3	2058.7	2076.2
37.5°	2220.3	2213.4	2202.7	2216.5	2281.3	2299.5	2229.4	2176.1	2166.2	2174.5	2200.5
40°	2304.9	2293.4	2272.1	2282.0	2347.6	2368.9	2294.2	2243.9	2240.9	2261.4	2292.7
42.5°	2359.8	2347.6	2322.4	2322.4	2367.4	2376.5	2318.6	2291.9	2298.8	2322.4	2352.1
45°	2386.4	2379.6	2365.1	2357.5	2382.6	2386.4	2342.2	2331.6	2344.5	2355.9	2378.8
47.5°	2407.0	2407.0	2402.4	2394.8	2406.3	2408.5	2375.8	2372.7	2389.5	2389.5	2404.7
50°	2443.6	2447.4	2453.5	2452.0	2464.2	2471.8	2447.4	2442.8	2449.7	2427.6	2435.2
52.5°	2539.6	2549.5	2567.1	2580.8	2612.0	2635.7	2592.2	2555.6	2519.8	2471.0	2472.6
55°	2711.9	2716.5	2750.8	2791.2	2843.8	2891.8	2802.6	2689.0	2611.3	2554.1	2554.9
57.5°	2857.5	2864.3	2914.6	2999.2	3117.4	3192.1	2994.7	2804.9	2695.1	2625.0	2627.3
60°	2731.7	2722.6	2817.8	2962.7	3176.8	3272.1	2981.0	2721.8	2564.0	2477.1	2483.2
62.5°	2113.6	2096.0	2202.0	2353.7	2610.5	2705.8	2437.5	2189.0	2039.6	1971.8	1961.9
65°	1286.6	1270.6	1346.8	1439.8	1613.6	1673.8	1551.1	1419.2	1288.9	1247.7	1236.3
67.5°	700.5	698.2	718.8	764.5	840.7	868.9	845.3	782.8	749.2	720.3	720.3
70°	555.6	551.1	547.3	548.0	554.9	558.7	559.5	556.4	560.2	561.0	557.9
72.5°	460.4	458.8	451.2	452.0	448.9	447.4	452.7	455.8	461.9	462.7	462.7
75°	333.8	330.0	333.8	334.6	331.6	331.6	335.4	334.6	337.7	339.2	330.8
77.5°	189.8	189.8	195.1	201.2	205.8	205.8	209.6	209.6	213.4	212.7	211.1
80°	104.4	104.4	107.5	111.3	115.9	120.4	124.2	125.0	127.3	126.5	124.2
82.5°	59.5	60.2	61.7	64.0	68.6	72.4	76.2	77.0	79.3	79.3	77.0
85°	28.2	27.4	28.2	29.7	32.0	35.1	38.9	41.2	42.7	42.7	41.2
87.5°	5.3	6.1	5.3	6.1	6.9	9.1	10.7	12.2	14.5	15.2	13.7
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)