

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: P630208

Luminaire Tested: GWS-SA1D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630208
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-SA1D-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5771.3 lumens
Efficiency: N/A
Efficacy: 130.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

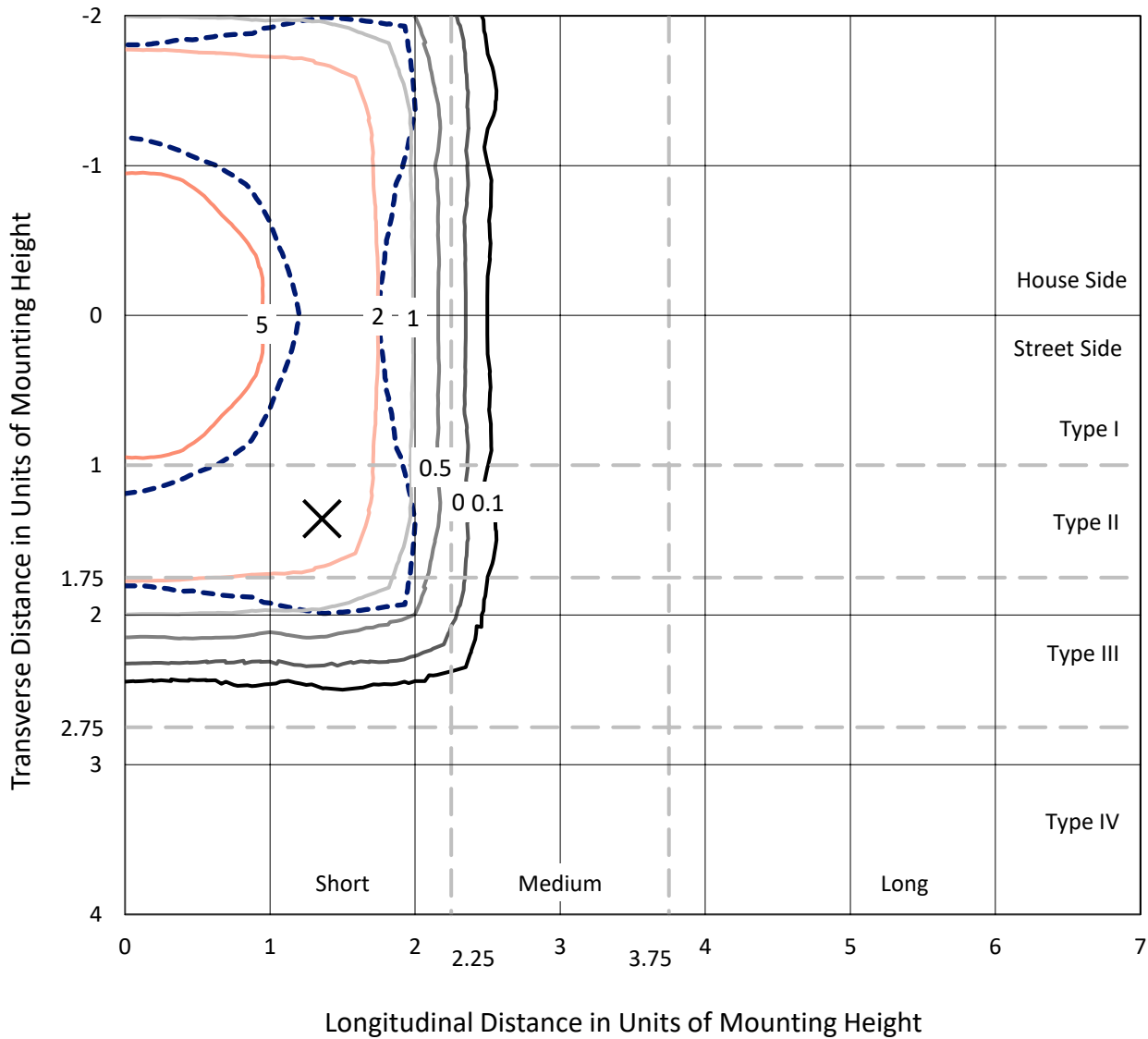
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630208
 CATALOG NUMBER: GWS-SA1D-730-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

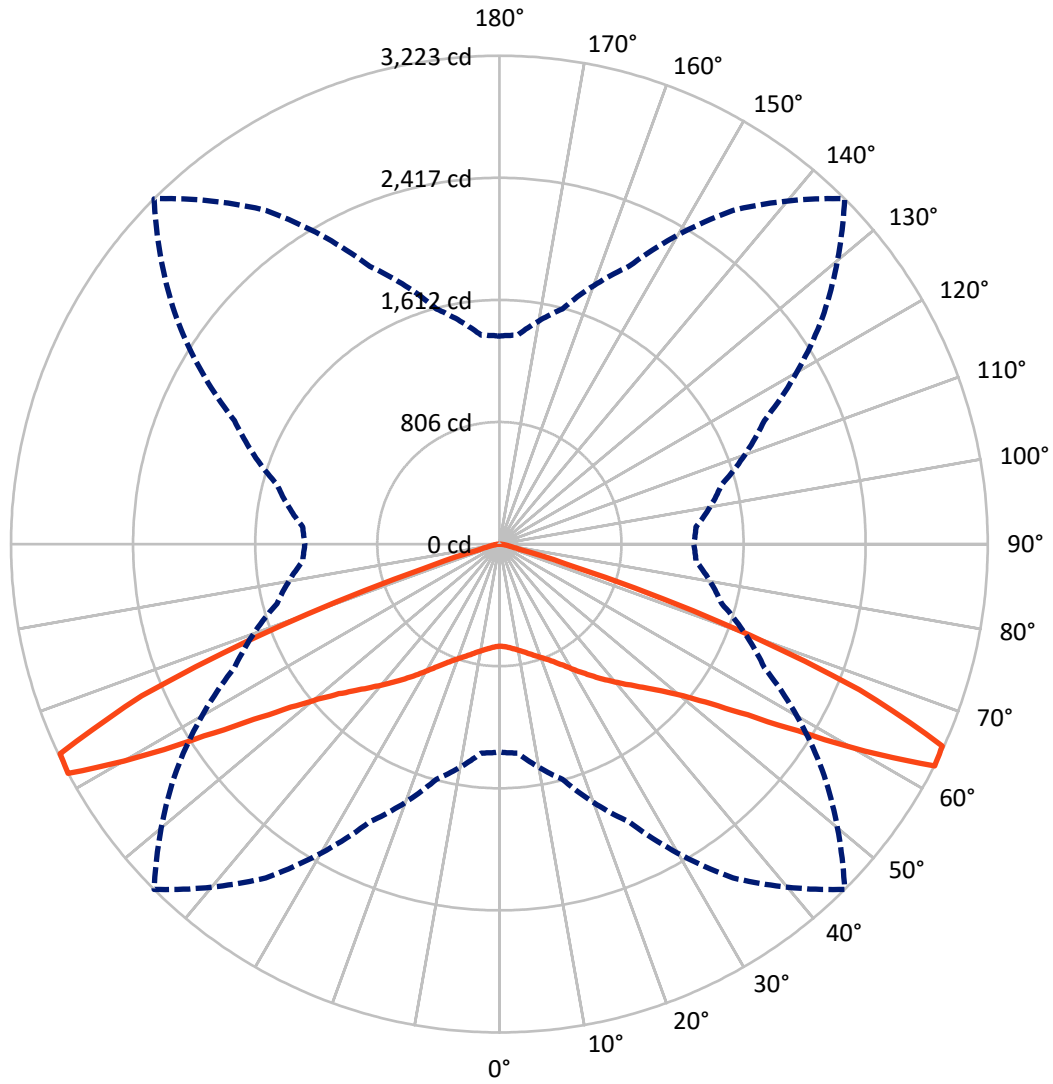
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

REPORT NUMBER: P630208
CATALOG NUMBER: GWS-SA1D-730-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P630208

CATALOG NUMBER: GWS-SA1D-730-U-5NQ-W

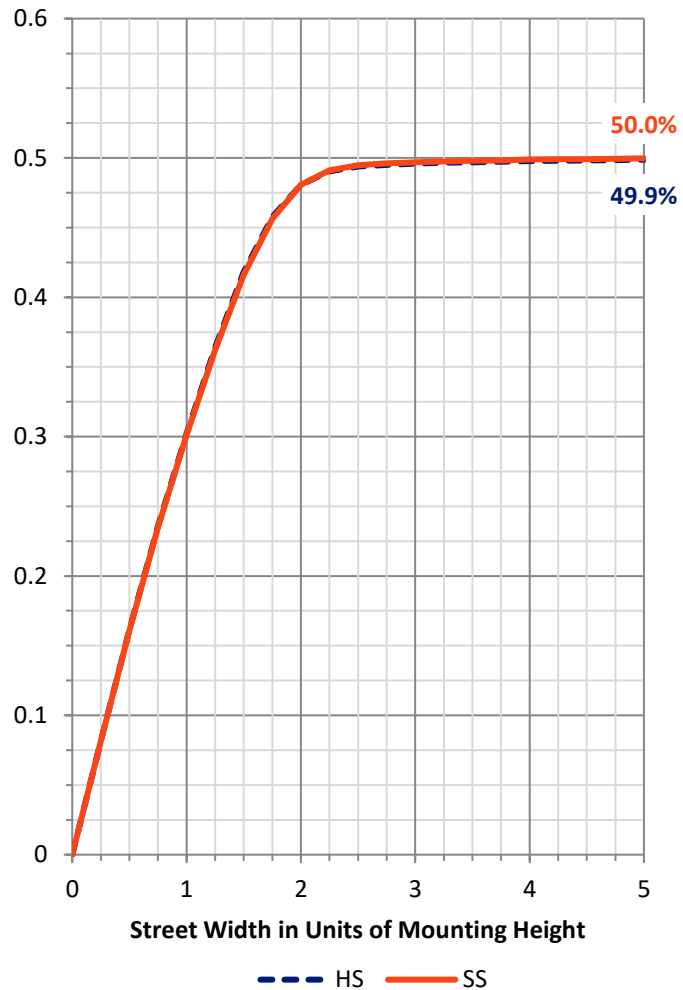
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2885.6	0.0	2885.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2885.6	0.0	2885.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	5771.3	0.0	5771.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.1	1.1
10°-20°	213.0	3.7
20°-30°	403.0	7.0
30°-40°	678.4	11.8
40°-50°	1083.8	18.8
50°-60°	1747.1	30.3
60°-70°	1425.4	24.7
70°-80°	138.4	2.4
80°-90°	16.1	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°	5771.3	100.0
0°-180°	5771.3	100.0

Coefficient of Utilization



REPORT NUMBER: P630208

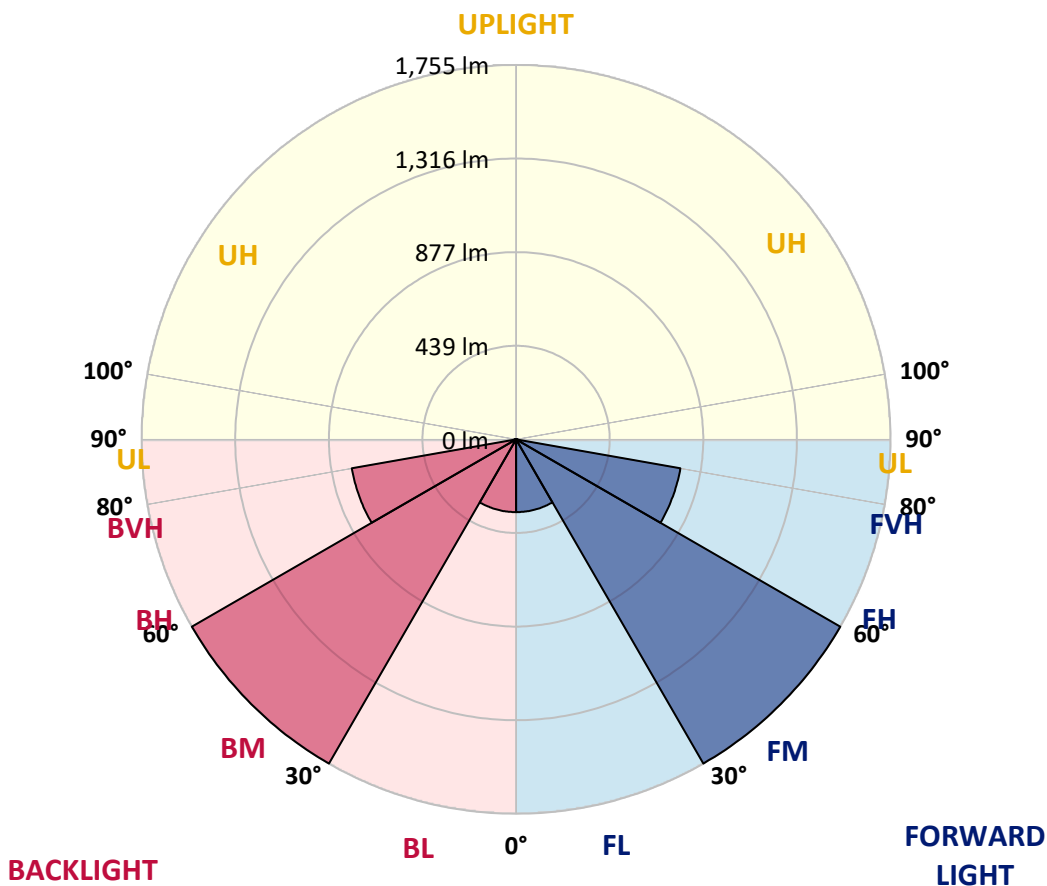
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	341.1	5.9			
FM (30°-60°)	1754.6	30.4			
FH (60°-80°)	781.9	13.5			G1/1800
FVH (80°-90°)	8.1	0.1			G0/10
BL (0°-30°)	341.1	5.9	B1/500		
BM (30°-60°)	1754.6	30.4	B2/2500		
BH (60°-80°)	781.9	13.5	B2/1000		G1/1800
BVH (80°-90°)	8.1	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	673.3	673.3	673.3	673.3	673.3	673.3	673.3	673.3	673.3	673.3	673.3
2.5°	672.5	672.5	674.1	675.3	674.5	677.7	677.3	676.5	676.1	674.9	678.4
5°	681.6	681.6	682.8	684.0	682.0	686.0	684.4	683.6	683.2	681.6	684.8
7.5°	691.9	693.1	693.5	695.5	694.3	698.6	697.4	695.9	695.1	693.1	695.9
10°	703.4	704.2	704.6	708.1	708.5	713.7	712.5	710.5	708.9	706.9	710.9
12.5°	718.8	719.2	720.4	724.8	725.9	729.9	729.5	726.7	724.8	722.0	726.3
15°	738.6	739.0	741.0	745.3	747.3	752.1	750.5	746.1	743.4	740.2	743.8
17.5°	759.2	760.8	762.8	767.1	769.9	775.4	773.4	768.7	766.3	763.2	765.5
20°	785.7	786.1	787.3	792.0	794.0	800.4	800.8	796.0	794.8	791.7	795.2
22.5°	815.0	815.4	816.6	821.7	825.3	829.3	831.6	828.9	826.9	822.9	827.3
25°	847.5	851.4	852.6	858.9	862.9	865.3	868.0	866.9	864.1	859.3	861.3
27.5°	893.0	893.8	895.8	902.9	905.3	907.6	910.4	910.8	906.8	901.3	904.1
30°	944.8	944.4	948.8	954.3	956.3	958.3	962.3	964.6	959.5	953.5	956.3
32.5°	997.9	1002.6	1008.2	1013.3	1012.1	1012.9	1019.3	1023.6	1016.5	1005.8	1008.2
35°	1057.6	1060.8	1067.9	1075.5	1073.9	1072.7	1076.6	1081.0	1071.1	1057.3	1060.8
37.5°	1119.0	1123.7	1134.4	1143.5	1141.2	1135.6	1140.0	1144.7	1135.2	1119.4	1117.8
40°	1187.5	1195.0	1210.4	1218.0	1211.6	1200.9	1208.5	1219.9	1210.4	1192.2	1187.9
42.5°	1267.8	1276.9	1292.4	1303.9	1290.0	1272.6	1285.2	1301.9	1299.5	1275.4	1267.8
45°	1367.2	1373.1	1392.1	1397.7	1377.1	1352.9	1375.9	1401.2	1395.3	1369.2	1359.3
47.5°	1475.2	1484.3	1501.0	1511.3	1478.0	1447.9	1480.0	1514.0	1507.7	1483.2	1471.7
50°	1613.0	1624.9	1646.6	1655.3	1609.4	1575.0	1616.2	1659.3	1647.0	1614.2	1599.1
52.5°	1763.0	1772.5	1809.7	1827.1	1784.0	1746.8	1782.8	1825.2	1799.0	1755.5	1735.3
55°	1895.2	1904.7	1959.3	2017.1	2015.2	1989.4	2007.6	2008.4	1937.6	1865.5	1844.2
57.5°	1923.7	1933.2	2037.3	2188.5	2295.4	2325.1	2271.6	2159.2	1980.7	1854.4	1830.3
60°	1771.7	1782.4	1947.9	2224.1	2575.6	2773.9	2527.7	2156.1	1847.3	1676.3	1653.4
62.5°	1372.7	1384.2	1606.7	2021.5	2688.8	3223.2	2602.2	1929.3	1519.6	1303.1	1282.9
65°	655.5	655.5	938.1	1449.9	2463.2	3212.5	2386.8	1427.3	914.8	702.6	685.2
67.5°	162.3	163.1	241.5	564.4	1675.5	2563.8	1702.8	685.2	322.2	228.0	222.1
70°	101.3	100.9	112.0	152.8	586.2	1556.0	696.3	206.6	131.0	115.6	114.8
72.5°	78.8	78.8	84.3	97.8	153.6	530.0	203.1	114.8	95.0	85.5	85.5
75°	62.1	62.1	66.1	73.2	90.6	136.6	108.1	85.1	73.6	67.3	66.5
77.5°	46.3	47.1	50.3	55.0	61.7	76.8	68.5	64.1	57.4	52.6	51.1
80°	30.1	31.3	35.2	38.0	40.4	50.7	44.7	46.7	43.5	38.0	37.2
82.5°	16.2	16.6	21.4	22.2	23.0	27.7	28.5	29.7	30.9	24.1	22.6
85°	5.9	5.9	7.1	8.3	9.1	9.9	13.5	16.6	17.4	13.9	13.5
87.5°	1.2	1.2	1.2	0.8	0.8	0.8	2.4	4.4	7.1	5.5	5.5
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)