

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: P630207

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630207
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-SA1D-730-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5005.8 lumens
Efficiency: N/A
Efficacy: 113.0 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

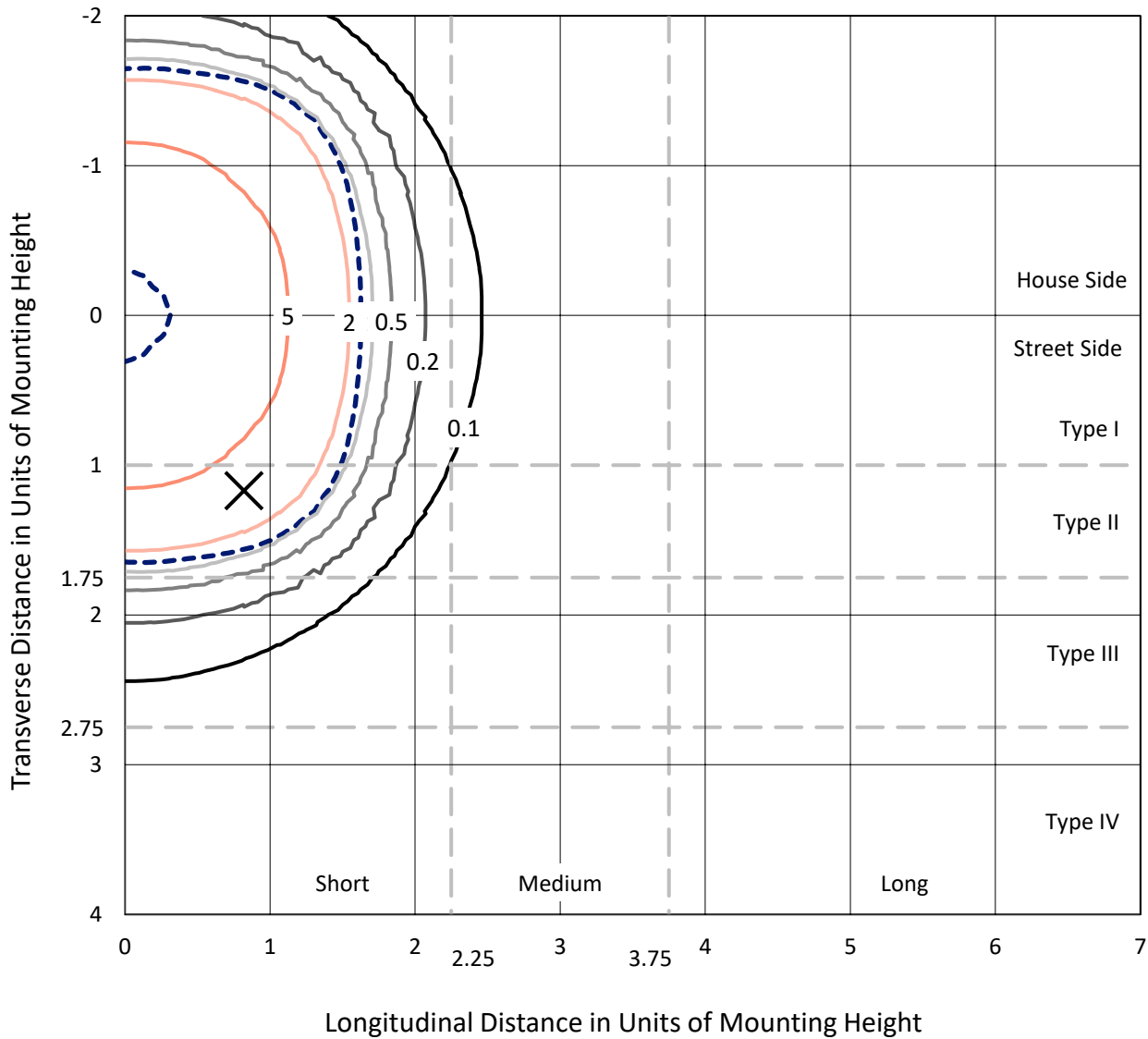
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

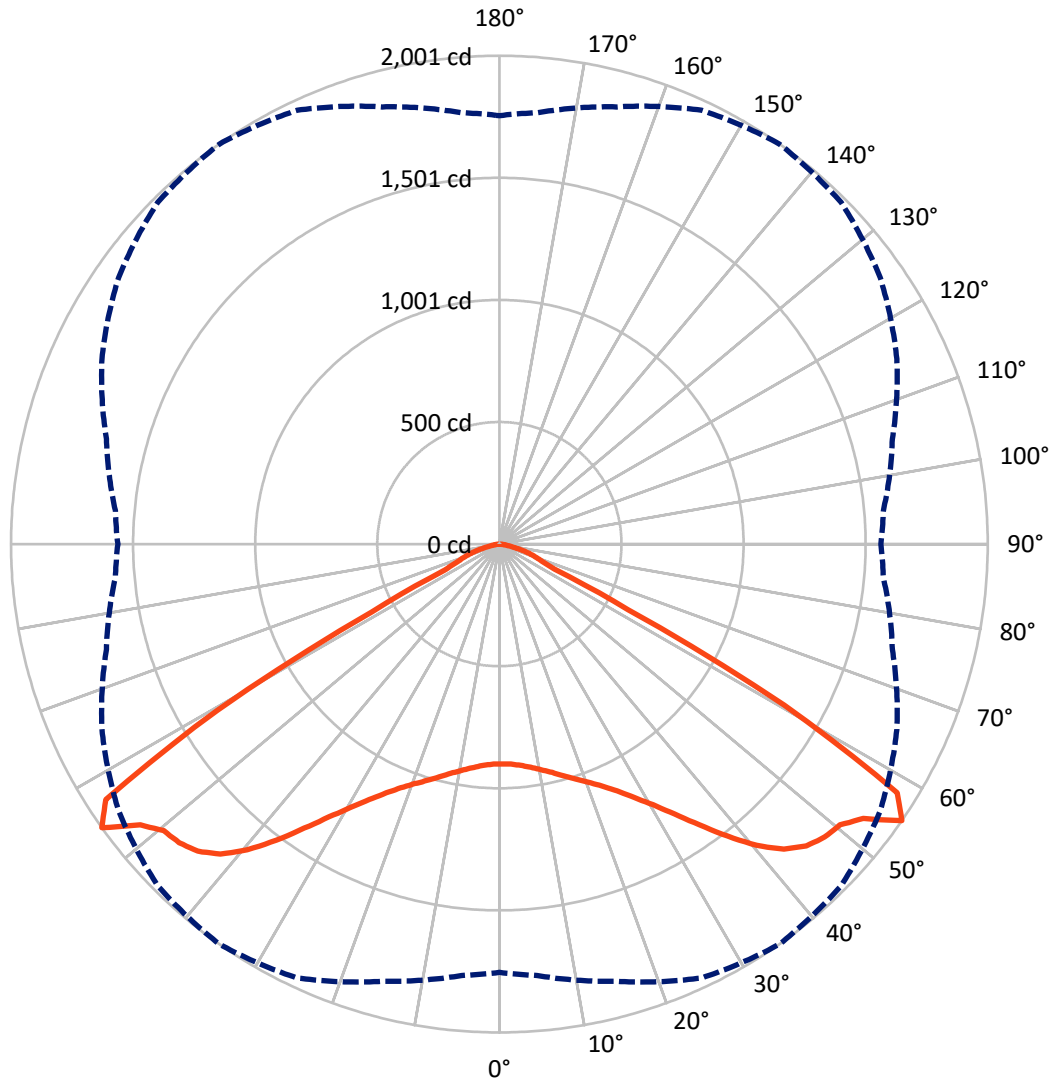
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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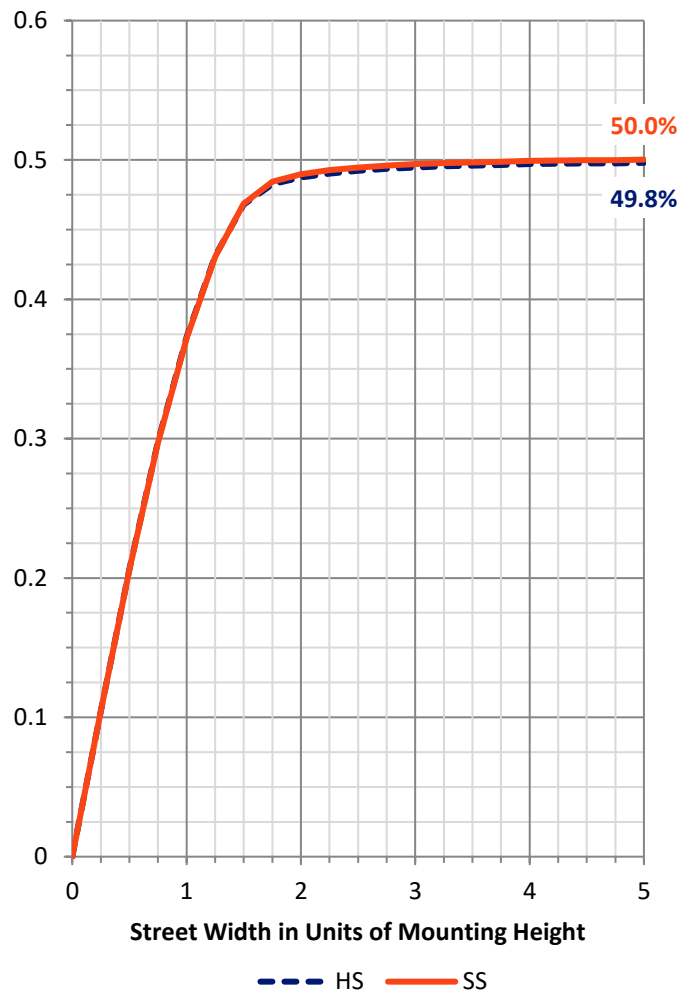
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2502.9	0.0	2502.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2502.9	0.0	2502.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	5005.8	0.0	5005.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	87.8	1.8
10°-20°	279.7	5.6
20°-30°	517.6	10.3
30°-40°	865.8	17.3
40°-50°	1319.4	26.4
50°-60°	1478.0	29.5
60°-70°	349.7	7.0
70°-80°	94.3	1.9
80°-90°	13.6	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°	5005.8	100.0
0°-180°	5005.8	100.0

Coefficient of Utilization



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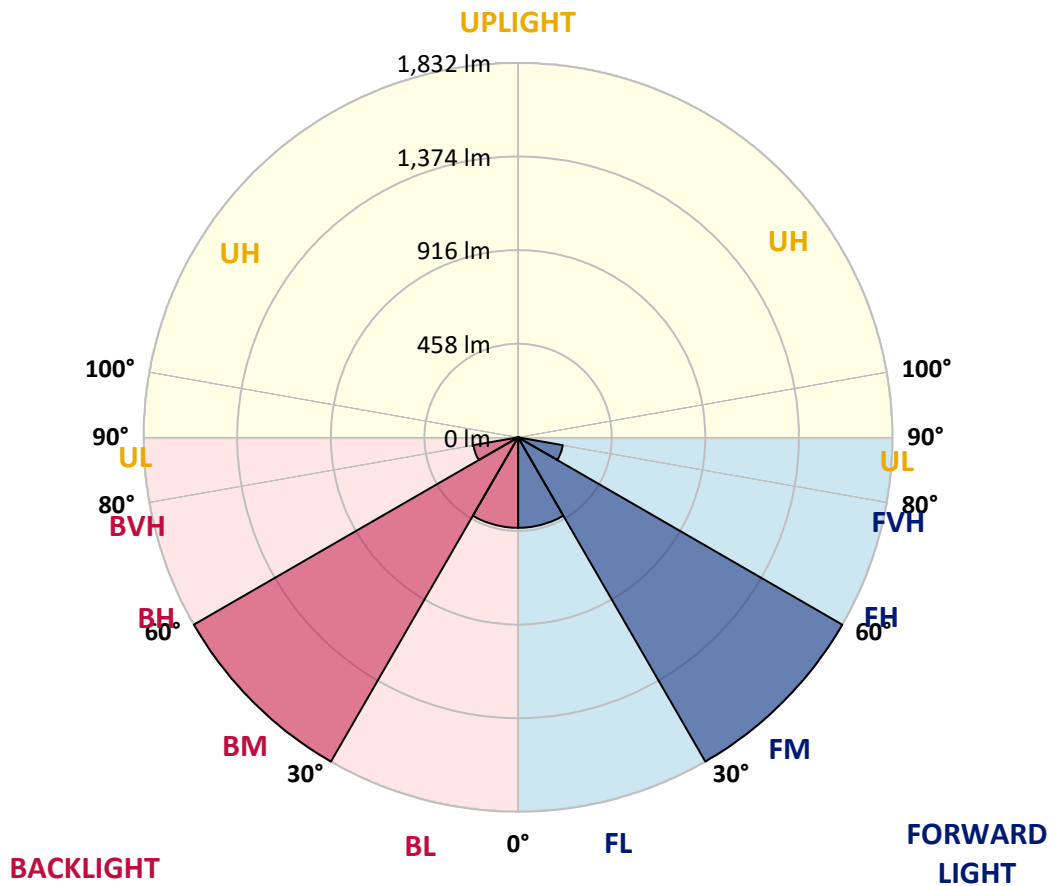
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	442.5	8.8			
FM (30°-60°)	1831.6	36.6			
FH (60°-80°)	222.0	4.4			G0/660
FVH (80°-90°)	6.8	0.1			G0/10
BL (0°-30°)	442.5	8.8	B1/500		
BM (30°-60°)	1831.6	36.6	B2/2500		
BH (60°-80°)	222.0	4.4	B1/500		G0/660
BVH (80°-90°)	6.8	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-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6	900.6
2.5°	898.6	898.6	900.2	902.1	902.5	906.5	905.7	904.1	903.3	901.7	905.3
5°	908.5	908.9	910.1	911.2	910.5	913.6	912.4	910.5	909.3	907.3	910.8
7.5°	921.5	921.5	922.7	924.3	923.5	928.3	925.9	923.1	921.1	918.8	921.9
10°	933.4	934.2	935.4	938.6	940.1	945.3	943.7	939.7	936.6	933.8	937.4
12.5°	951.2	952.0	953.2	957.6	960.3	965.5	963.1	957.6	952.8	948.9	952.8
15°	974.2	973.4	976.6	982.1	985.7	990.4	987.6	978.1	971.8	966.7	970.6
17.5°	997.5	997.1	1000.3	1007.4	1012.6	1018.9	1014.2	1003.1	996.4	990.0	994.0
20°	1022.9	1024.1	1027.2	1034.0	1041.5	1049.8	1045.8	1034.0	1026.4	1019.3	1022.5
22.5°	1054.1	1054.5	1058.1	1066.8	1076.7	1084.6	1082.3	1067.6	1058.1	1050.6	1054.5
25°	1091.8	1091.4	1096.1	1106.4	1120.3	1128.2	1123.0	1106.8	1096.5	1087.8	1091.0
27.5°	1134.9	1134.5	1141.6	1155.1	1174.9	1186.0	1175.3	1155.1	1140.8	1128.6	1131.3
30°	1189.1	1187.9	1195.9	1214.1	1239.8	1258.4	1242.6	1214.5	1195.9	1182.8	1185.6
32.5°	1249.3	1250.9	1260.8	1285.3	1317.8	1341.9	1318.2	1286.9	1262.0	1243.0	1246.1
35°	1315.4	1315.4	1335.6	1366.1	1412.4	1444.5	1407.6	1362.5	1329.3	1303.1	1303.9
37.5°	1389.0	1389.8	1416.3	1458.3	1518.9	1556.5	1506.6	1450.8	1410.4	1382.3	1380.7
40°	1478.9	1481.3	1508.6	1555.3	1623.4	1657.8	1604.4	1549.7	1508.6	1475.3	1472.2
42.5°	1580.2	1581.0	1609.9	1651.9	1709.3	1729.9	1687.9	1643.2	1609.5	1579.4	1576.3
45°	1676.8	1674.8	1699.8	1731.0	1764.3	1766.3	1742.9	1724.7	1695.4	1669.7	1664.9
47.5°	1752.0	1750.4	1773.0	1790.0	1794.0	1774.6	1782.1	1784.9	1750.8	1716.0	1706.9
50°	1797.9	1801.1	1822.5	1832.0	1808.6	1777.0	1805.5	1798.3	1749.7	1704.1	1689.5
52.5°	1825.7	1830.4	1867.6	1891.8	1867.6	1837.5	1841.5	1799.5	1729.5	1669.3	1650.3
55°	1755.6	1774.6	1854.9	1961.8	2001.4	1980.4	1905.2	1797.2	1667.3	1579.8	1563.6
57.5°	1301.2	1331.2	1450.4	1682.0	1922.6	1999.0	1779.3	1506.6	1309.9	1197.4	1187.9
60°	664.2	697.9	793.3	1031.2	1340.7	1448.4	1239.4	964.7	766.8	675.7	665.4
62.5°	271.2	276.7	308.0	399.8	592.6	683.6	600.5	421.6	316.7	291.7	292.1
65°	213.4	214.6	213.0	218.5	248.2	275.5	254.5	223.7	218.1	220.9	218.9
67.5°	186.0	186.4	185.3	185.3	186.4	185.3	187.6	188.8	189.6	192.8	190.8
70°	155.6	156.0	156.0	156.8	156.4	154.4	157.9	159.5	159.9	161.9	160.7
72.5°	120.3	121.5	122.3	122.7	122.3	121.1	123.1	125.9	125.5	127.5	125.5
75°	81.5	83.1	83.9	85.5	85.1	85.1	87.5	88.7	87.5	89.1	87.5
77.5°	46.3	47.5	49.9	51.5	53.0	54.2	55.8	56.6	56.2	57.0	56.2
80°	26.9	27.3	29.3	30.1	32.1	34.0	35.6	36.4	36.8	37.2	36.8
82.5°	15.4	15.8	16.6	17.4	19.0	20.6	22.2	23.4	23.4	23.8	23.4
85°	7.5	7.5	7.9	8.3	9.1	10.3	11.5	12.7	13.1	13.1	13.1
87.5°	1.2	1.2	1.6	1.6	2.0	2.4	3.2	4.0	4.4	4.4	4.4
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)