

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: P630210

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630210
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-SA1D-730-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 4663.4 lumens
Efficiency: N/A
Efficacy: 105.3 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

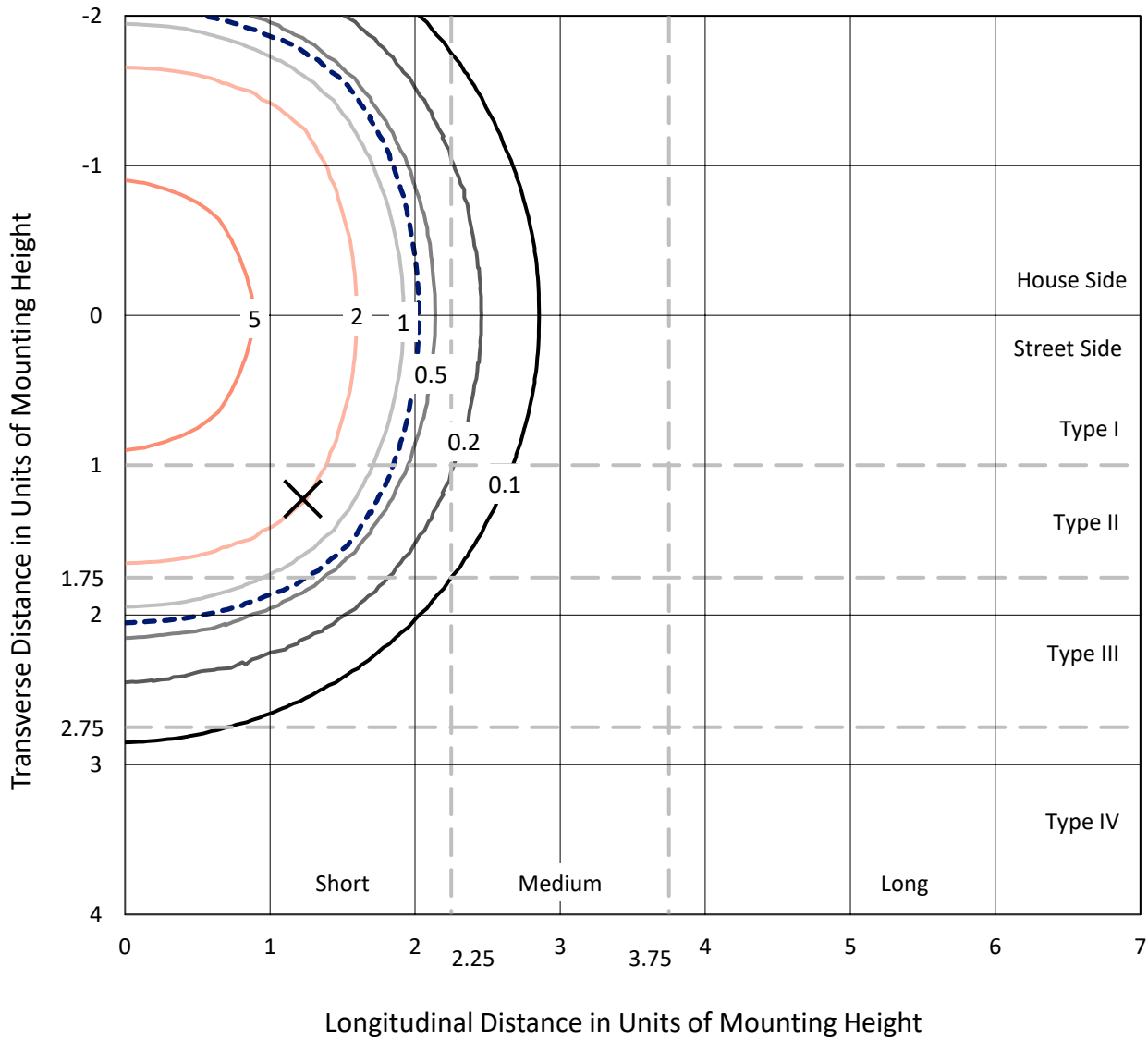
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

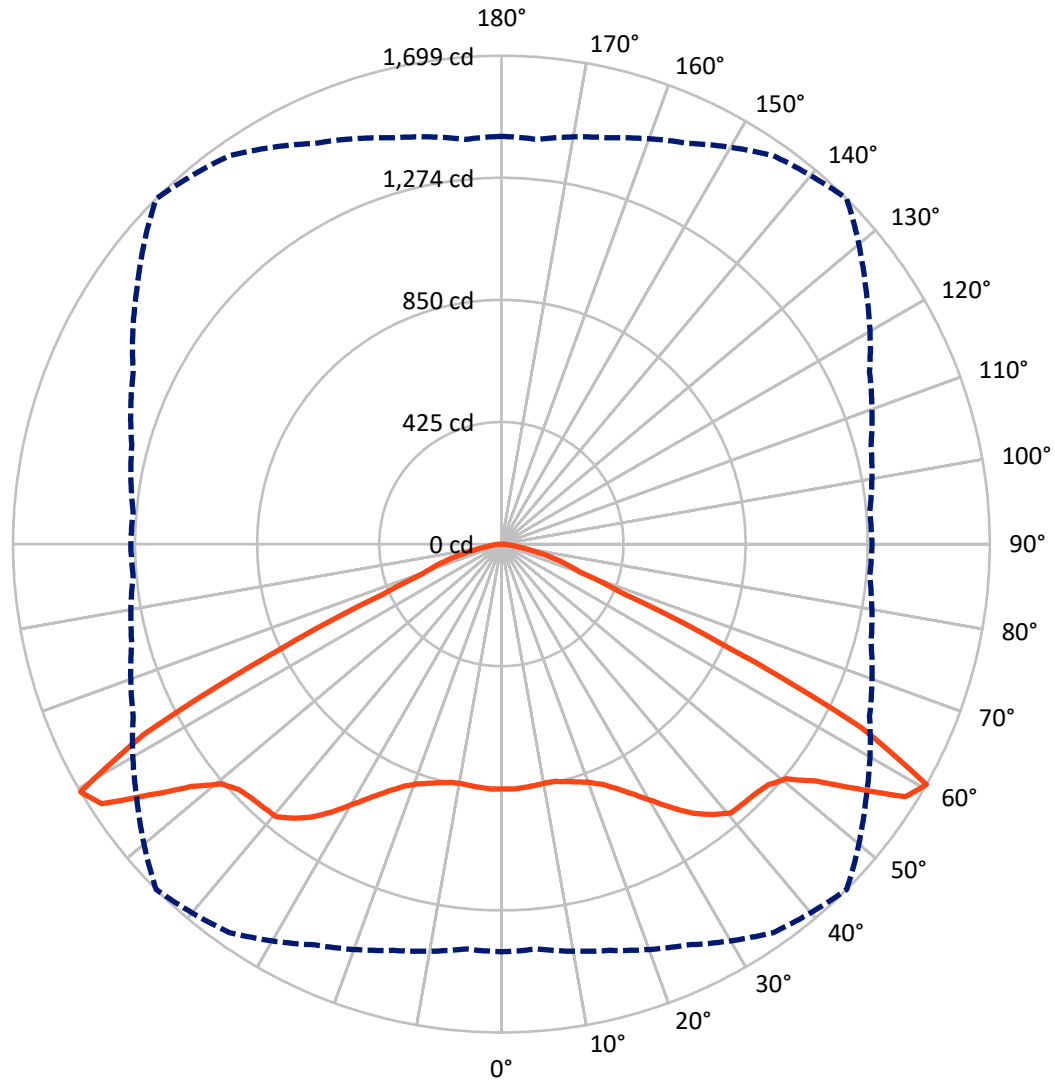
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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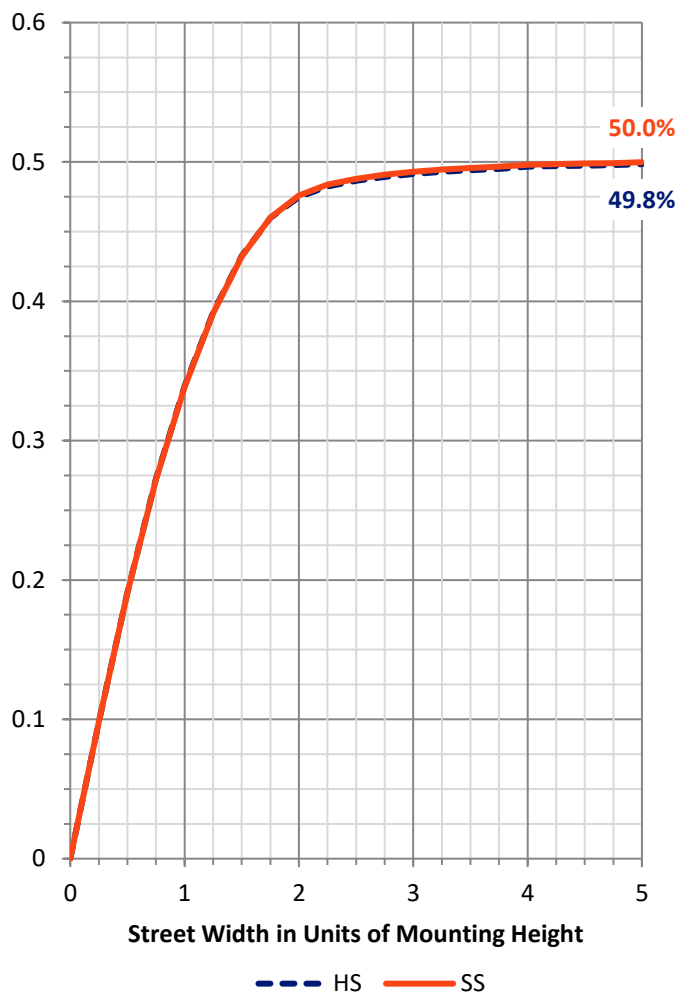
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2331.7	0.0	2331.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2331.7	0.0	2331.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4663.4	0.0	4663.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.8	1.7
10°-20°	243.1	5.2
20°-30°	430.1	9.2
30°-40°	692.4	14.8
40°-50°	951.7	20.4
50°-60°	1268.3	27.2
60°-70°	790.5	17.0
70°-80°	181.8	3.9
80°-90°	24.7	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°	4663.4	100.0
0°-180°	4663.4	100.0

Coefficient of Utilization



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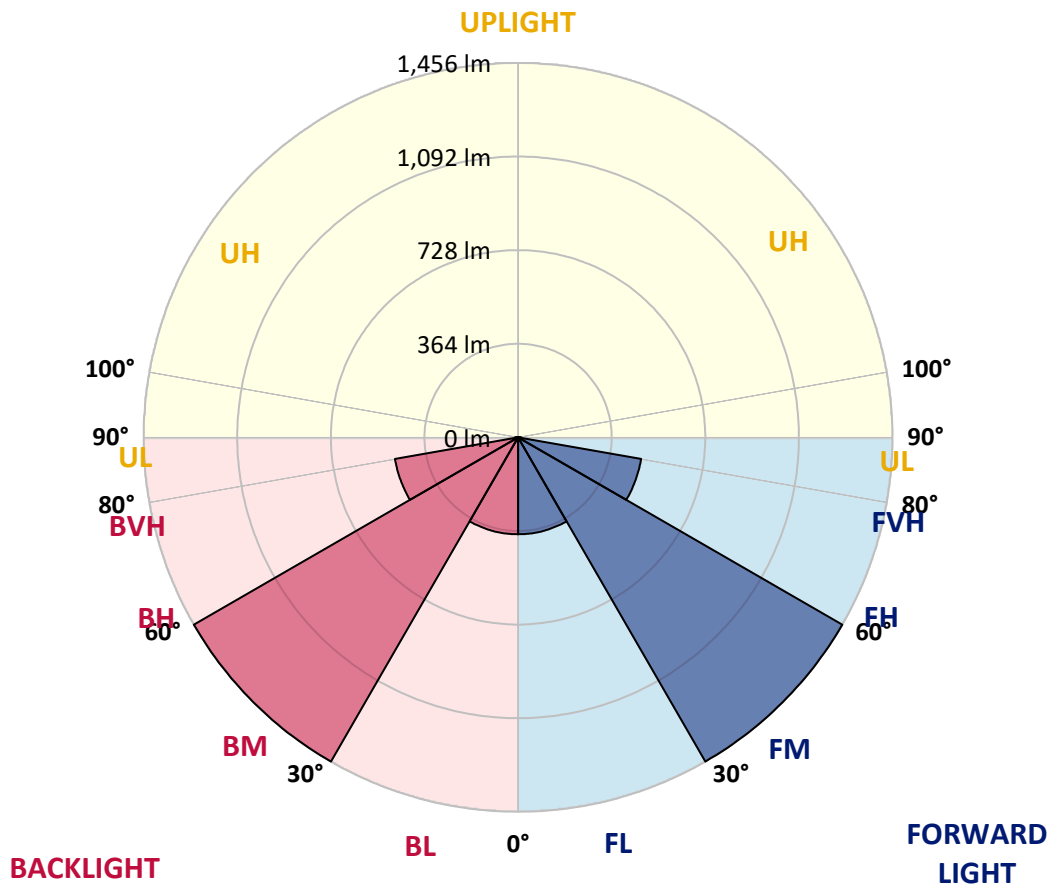
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	377.0	8.1			
FM (30°-60°)	1456.3	31.2			
FH (60°-80°)	486.1	10.4			G0/660
FVH (80°-90°)	12.3	0.3			G1/100
BL (0°-30°)	377.0	8.1	B1/500		
BM (30°-60°)	1456.3	31.2	B2/2500		
BH (60°-80°)	486.1	10.4	B1/500		G0/660
BVH (80°-90°)	12.3	0.3			G1/100
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°	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2	852.2
2.5°	846.3	847.1	848.7	849.9	851.4	853.0	853.8	852.2	851.4	848.3	851.8
5°	847.1	847.9	849.1	849.1	849.5	850.6	850.6	848.7	846.7	843.1	847.1
7.5°	845.9	846.7	847.1	846.7	847.1	847.5	846.7	844.3	842.3	839.2	842.3
10°	843.9	844.7	845.5	844.7	843.9	845.1	845.1	843.5	842.3	839.2	842.7
12.5°	848.3	849.5	849.9	847.9	847.1	847.5	847.5	845.9	845.9	843.1	847.1
15°	858.6	859.4	858.2	855.8	856.2	857.4	854.6	850.6	849.9	848.7	851.8
17.5°	866.5	867.3	866.1	864.5	867.3	870.0	864.9	857.4	855.0	854.2	857.8
20°	875.2	876.4	874.8	876.8	882.3	885.5	879.1	868.9	864.1	862.9	867.3
22.5°	889.4	891.0	891.0	895.4	903.7	908.8	900.9	887.1	879.9	878.0	882.3
25°	912.0	913.2	914.4	923.1	936.5	943.7	931.0	912.0	902.1	898.9	901.3
27.5°	943.3	945.3	947.2	959.9	976.5	986.8	968.6	944.9	932.6	926.3	931.0
30°	980.5	983.3	988.0	1002.3	1025.6	1037.1	1013.7	984.8	971.0	964.3	970.6
32.5°	1031.1	1031.5	1035.1	1050.9	1081.8	1094.9	1065.6	1033.5	1019.3	1011.4	1014.9
35°	1091.3	1091.7	1086.2	1102.4	1135.6	1150.3	1115.9	1083.4	1071.5	1069.1	1078.3
37.5°	1153.1	1149.5	1144.0	1151.1	1184.7	1194.2	1157.8	1130.1	1125.0	1129.3	1142.8
40°	1197.0	1191.1	1180.0	1185.1	1219.2	1230.3	1191.5	1165.3	1163.8	1174.4	1190.7
42.5°	1225.5	1219.2	1206.1	1206.1	1229.5	1234.2	1204.1	1190.3	1193.8	1206.1	1221.5
45°	1239.4	1235.8	1228.3	1224.3	1237.4	1239.4	1216.4	1210.9	1217.6	1223.5	1235.4
47.5°	1250.0	1250.0	1247.7	1243.7	1249.6	1250.8	1233.8	1232.2	1240.9	1240.9	1248.9
50°	1269.0	1271.0	1274.2	1273.4	1279.7	1283.7	1271.0	1268.6	1272.2	1260.7	1264.7
52.5°	1318.9	1324.1	1333.2	1340.3	1356.5	1368.8	1346.2	1327.2	1308.6	1283.3	1284.1
55°	1408.4	1410.8	1428.6	1449.5	1476.9	1501.8	1455.5	1396.5	1356.1	1326.4	1326.8
57.5°	1484.0	1487.5	1513.7	1557.6	1619.0	1657.8	1555.2	1456.7	1399.7	1363.3	1364.4
60°	1418.7	1413.9	1463.4	1538.6	1649.8	1699.3	1548.1	1413.5	1331.6	1286.5	1289.6
62.5°	1097.6	1088.5	1143.6	1222.3	1355.7	1405.2	1265.9	1136.8	1059.3	1024.0	1018.9
65°	668.2	659.9	699.4	747.7	838.0	869.3	805.5	737.0	669.4	648.0	642.0
67.5°	363.8	362.6	373.3	397.0	436.6	451.3	439.0	406.5	389.1	374.1	374.1
70°	288.6	286.2	284.2	284.6	288.2	290.1	290.5	289.0	290.9	291.3	289.8
72.5°	239.1	238.3	234.3	234.7	233.1	232.4	235.1	236.7	239.9	240.3	240.3
75°	173.4	171.4	173.4	173.8	172.2	172.2	174.2	173.8	175.4	176.1	171.8
77.5°	98.6	98.6	101.3	104.5	106.9	106.9	108.9	108.9	110.8	110.4	109.6
80°	54.2	54.2	55.8	57.8	60.2	62.5	64.5	64.9	66.1	65.7	64.5
82.5°	30.9	31.3	32.1	33.3	35.6	37.6	39.6	40.0	41.2	41.2	40.0
85°	14.6	14.3	14.6	15.4	16.6	18.2	20.2	21.4	22.2	22.2	21.4
87.5°	2.8	3.2	2.8	3.2	3.6	4.8	5.5	6.3	7.5	7.9	7.1
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)