

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: P632680

Luminaire Tested: GWS-SA2D-730-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632680
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11010.9 lumens
Efficiency: N/A
Efficacy: 134.1 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

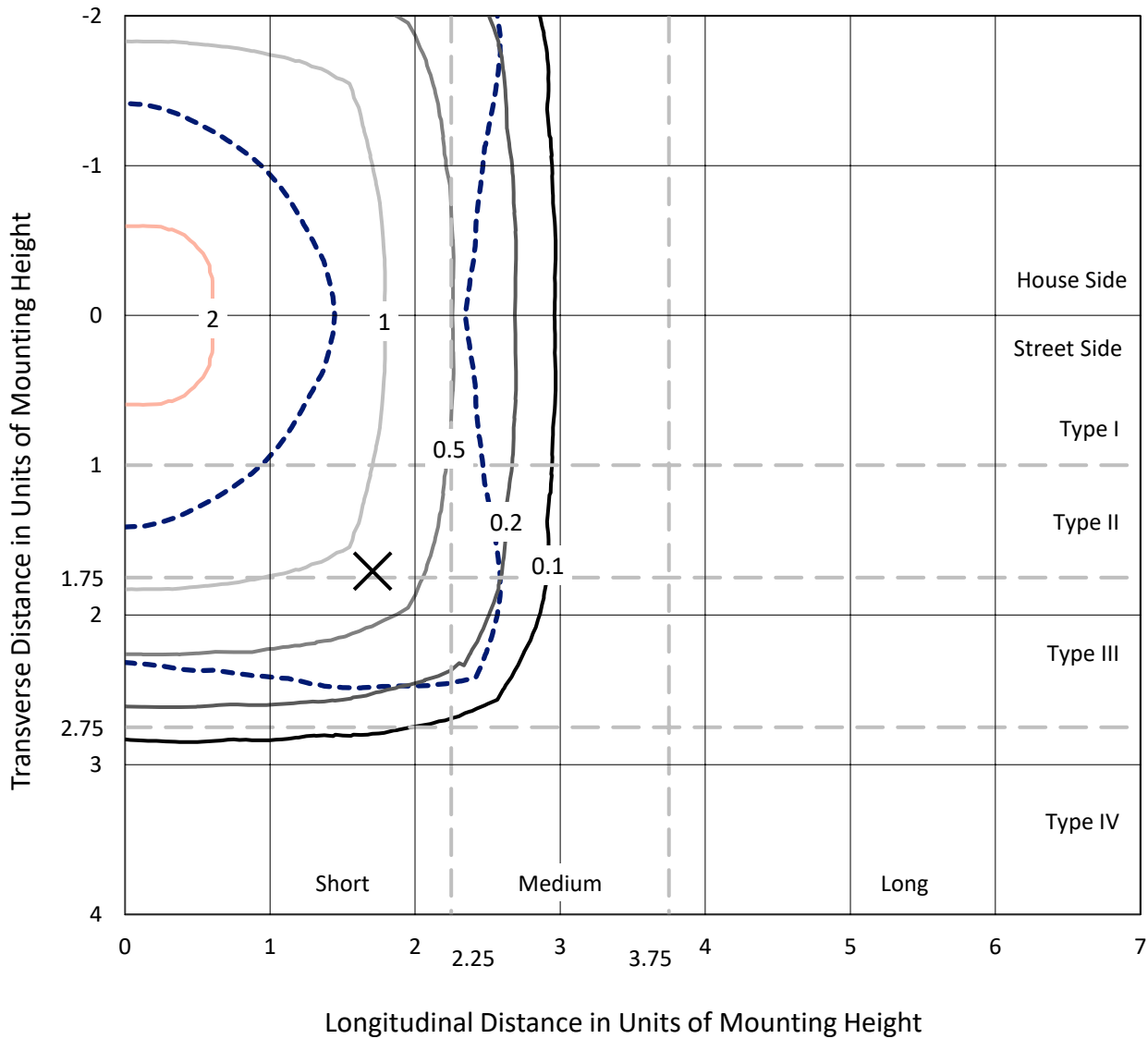
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632680
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Iso-Footcandle Lines of Horizontal Illumination

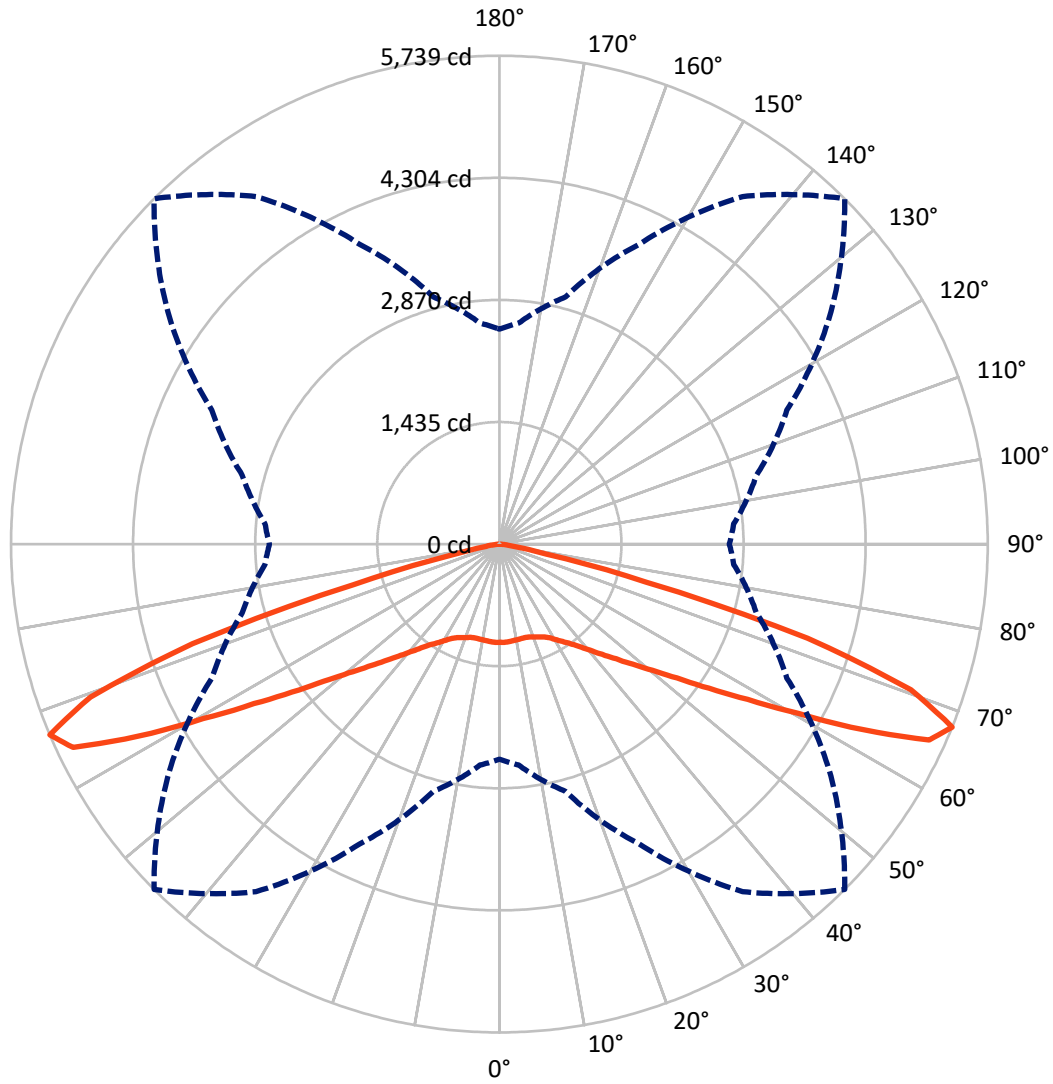
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.9 fc
 Type V - Short - N/A

REPORT NUMBER: P632680
CATALOG NUMBER: GWS-SA2D-730-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5505.4	0.0	5505.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5505.4	0.0	5505.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	11010.9	0.0	11010.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.1	1.0
10°-20°	320.6	2.9
20°-30°	552.9	5.0
30°-40°	899.0	8.2
40°-50°	1513.8	13.7
50°-60°	2682.1	24.4
60°-70°	3833.9	34.8
70°-80°	1052.2	9.6
80°-90°	47.1	0.4
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°	11010.9	100.0
0°-180°	11010.9	100.0

Coefficient of Utilization



REPORT NUMBER: P632680

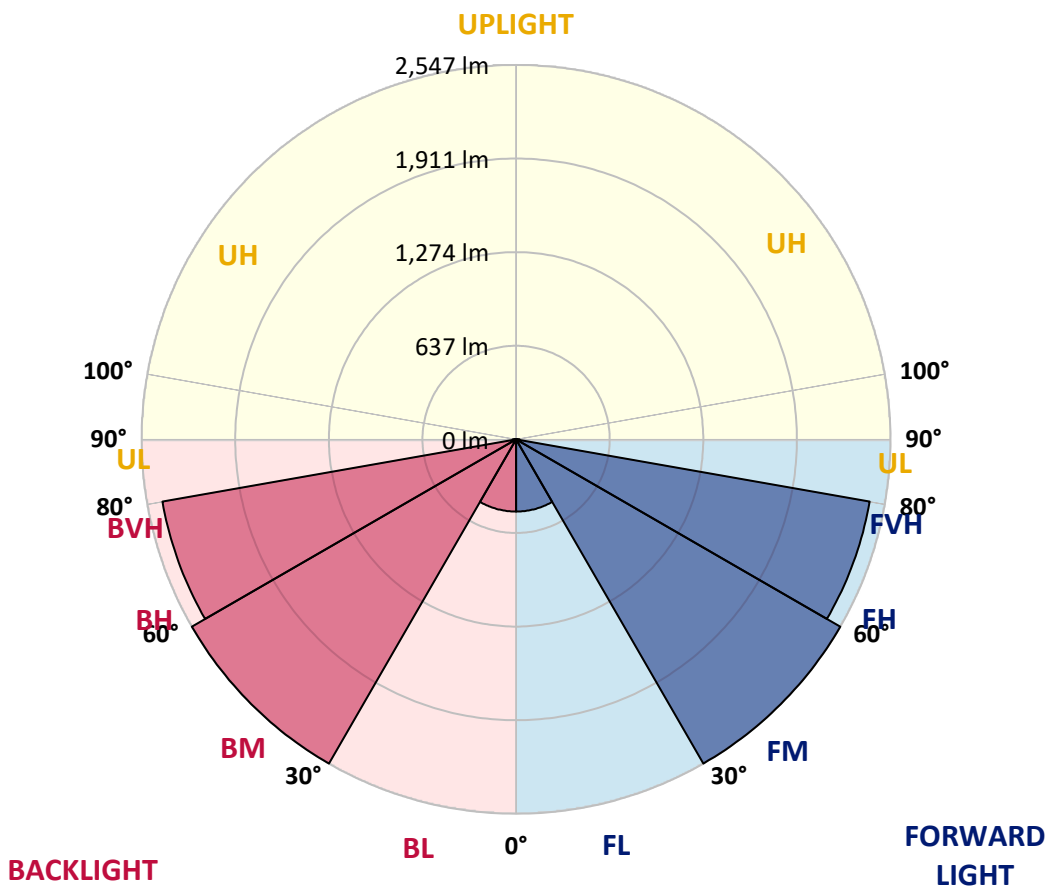
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	491.3	4.5			
FM (30°-60°)	2547.5	23.1			
FH (60°-80°)	2443.1	22.2			G2/5000
FVH (80°-90°)	23.6	0.2			G1/100
BL (0°-30°)	491.3	4.5	B1/500		
BM (30°-60°)	2547.5	23.1	B3/5000		
BH (60°-80°)	2443.1	22.2	B3/2500		G2/5000
BVH (80°-90°)	23.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2	1153.2
2.5°	1145.6	1144.8	1148.6	1150.9	1150.1	1155.5	1154.7	1153.2	1153.2	1150.9	1157.0
5°	1145.6	1144.8	1147.9	1148.6	1147.1	1151.7	1150.1	1148.6	1148.6	1145.6	1150.9
7.5°	1139.5	1140.2	1142.5	1144.1	1142.5	1146.3	1144.1	1141.0	1140.2	1137.2	1142.5
10°	1128.0	1128.8	1131.1	1134.9	1135.7	1142.5	1138.7	1133.4	1131.1	1128.0	1133.4
12.5°	1121.2	1121.9	1124.2	1128.8	1130.3	1139.5	1135.7	1127.3	1123.5	1120.4	1125.8
15°	1119.7	1120.4	1123.5	1128.0	1130.3	1139.5	1135.7	1125.8	1120.4	1116.6	1121.2
17.5°	1119.7	1121.2	1125.8	1132.6	1137.2	1146.3	1141.8	1130.3	1122.7	1115.9	1120.4
20°	1120.4	1122.7	1129.6	1139.5	1150.9	1163.9	1157.8	1142.5	1131.9	1123.5	1126.5
22.5°	1127.3	1131.1	1139.5	1152.4	1169.2	1184.4	1179.1	1158.5	1143.3	1131.9	1134.9
25°	1150.9	1152.4	1163.1	1179.9	1195.9	1208.8	1203.5	1184.4	1165.4	1151.7	1155.5
27.5°	1192.8	1196.6	1205.8	1223.3	1237.0	1243.9	1243.1	1230.2	1211.1	1198.9	1202.0
30°	1243.1	1246.9	1259.1	1279.0	1292.7	1300.3	1298.0	1288.1	1270.6	1253.8	1256.9
32.5°	1301.8	1303.3	1317.8	1339.9	1354.4	1365.8	1358.2	1347.6	1325.5	1305.6	1307.2
35°	1376.5	1378.8	1394.1	1414.6	1426.1	1435.2	1433.7	1423.0	1399.4	1378.0	1383.4
37.5°	1470.3	1471.8	1485.5	1511.4	1520.6	1527.4	1529.0	1523.6	1499.2	1471.8	1477.1
40°	1586.9	1587.6	1602.9	1625.8	1635.7	1640.2	1641.0	1641.8	1616.6	1596.0	1594.5
42.5°	1722.6	1726.4	1747.7	1769.8	1774.4	1772.1	1779.7	1787.3	1763.0	1734.8	1737.0
45°	1884.9	1887.2	1916.2	1940.5	1932.2	1924.5	1939.0	1954.3	1932.2	1895.6	1884.9
47.5°	2077.0	2081.5	2112.8	2137.2	2123.5	2109.7	2133.4	2149.4	2113.6	2074.7	2064.8
50°	2294.2	2297.2	2341.5	2371.9	2355.9	2330.8	2360.5	2377.3	2329.3	2281.2	2259.9
52.5°	2551.1	2545.0	2603.7	2657.0	2647.1	2614.3	2638.7	2641.8	2570.1	2502.3	2480.9
55°	2864.3	2858.2	2916.9	2975.6	3000.0	2991.6	2980.2	2961.9	2855.9	2783.5	2763.7
57.5°	3229.4	3210.4	3292.7	3371.9	3425.3	3440.5	3391.8	3349.1	3265.2	3176.1	3153.2
60°	3568.6	3567.8	3698.2	3835.4	3981.7	4042.7	3919.2	3803.3	3615.1	3452.7	3420.0
62.5°	3663.9	3679.9	3893.3	4233.2	4594.5	4810.2	4484.7	4101.4	3737.8	3493.1	3449.7
65°	3429.1	3468.7	3772.1	4308.7	5022.1	5549.5	4814.8	4108.2	3601.4	3296.5	3250.8
67.5°	2527.4	2606.7	3008.4	3887.9	4985.5	5739.3	4756.1	3727.9	3128.0	2765.2	2702.0
70°	1246.9	1322.4	1641.0	2557.9	4102.1	5130.3	4115.1	2809.4	2112.8	1763.7	1705.8
72.5°	458.8	489.3	614.3	1094.5	2263.7	3789.6	2814.0	1569.4	1023.6	814.8	775.9
75°	224.8	230.2	249.2	367.4	835.4	1783.5	1322.4	602.1	376.5	327.7	317.1
77.5°	143.3	145.6	154.7	175.3	268.3	561.7	400.9	237.8	184.5	176.8	176.8
80°	80.0	82.3	94.5	109.0	125.8	192.8	144.1	142.5	121.2	105.9	103.7
82.5°	38.1	41.9	60.2	59.5	66.3	96.8	84.6	77.0	77.7	58.7	55.6
85°	17.5	17.5	23.6	28.2	29.7	32.8	38.9	44.2	43.4	29.7	32.0
87.5°	8.4	8.4	8.4	7.6	6.9	6.1	8.4	13.7	19.8	13.7	13.0
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)