

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: P632519

Luminaire Tested: GWS-SA2C-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632519
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-830-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (32) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3869.2 lumens
Efficiency: N/A
Efficacy: 61.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

Input Watts (W): 63.2
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

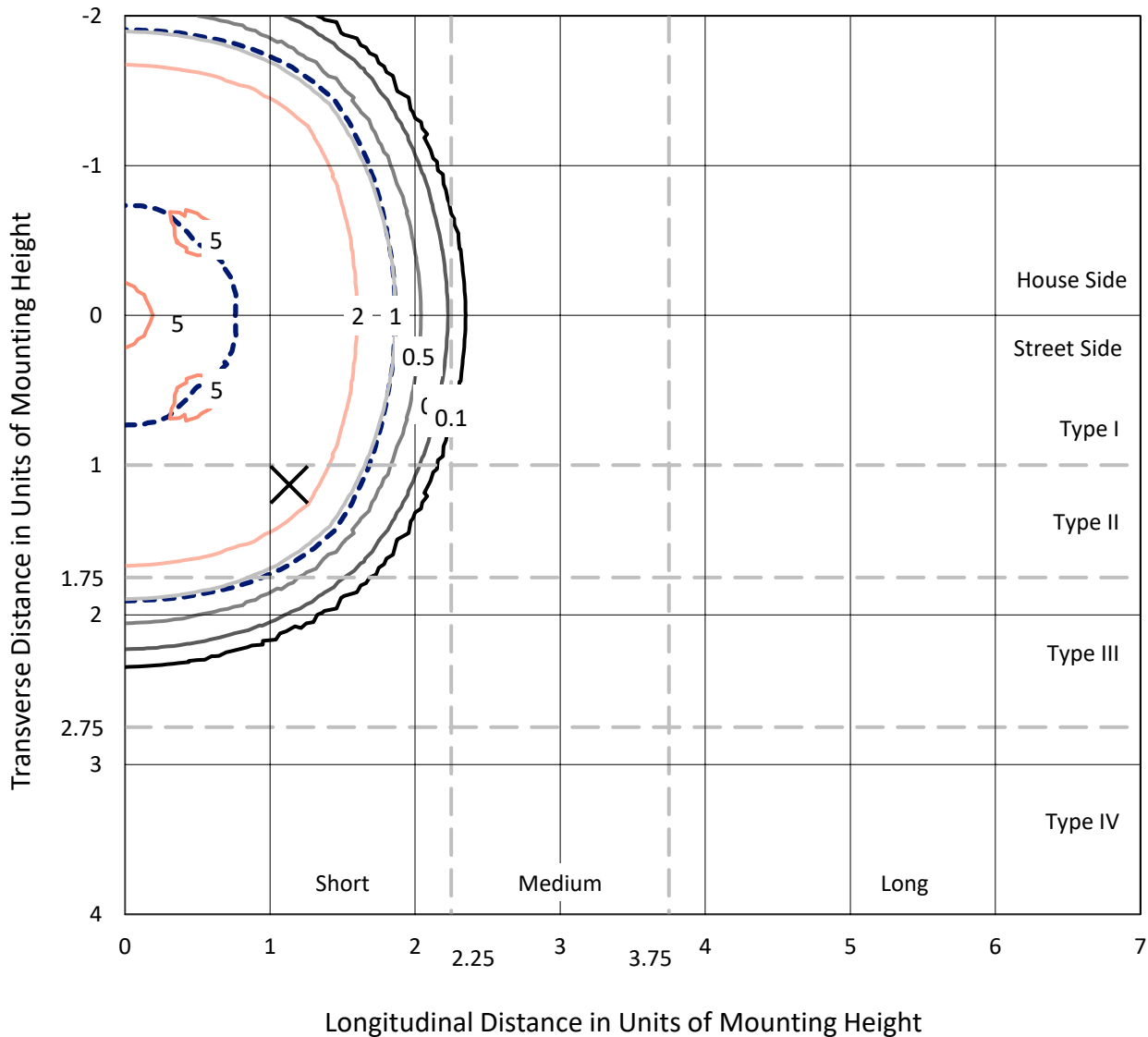


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Iso-Footcandle Lines of Horizontal Illumination

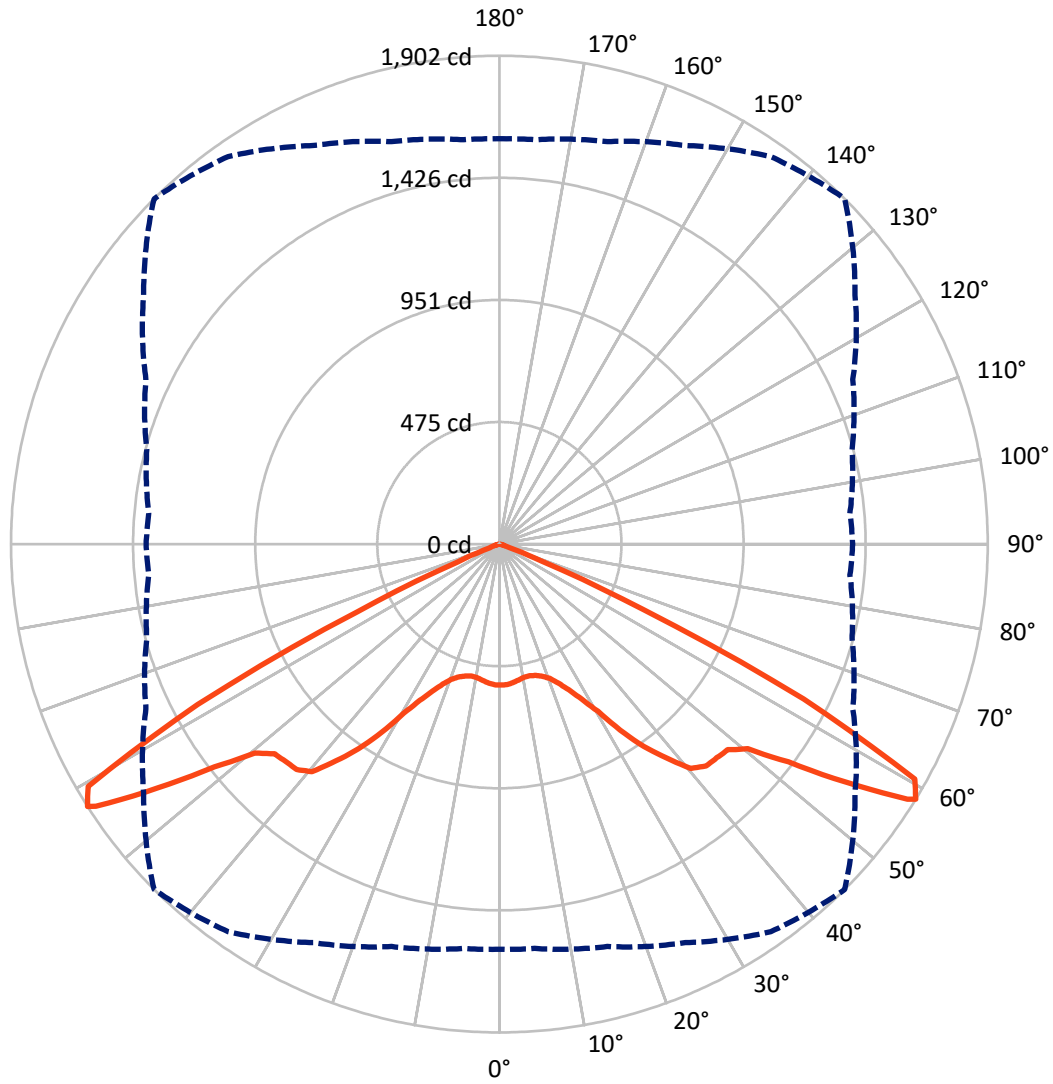
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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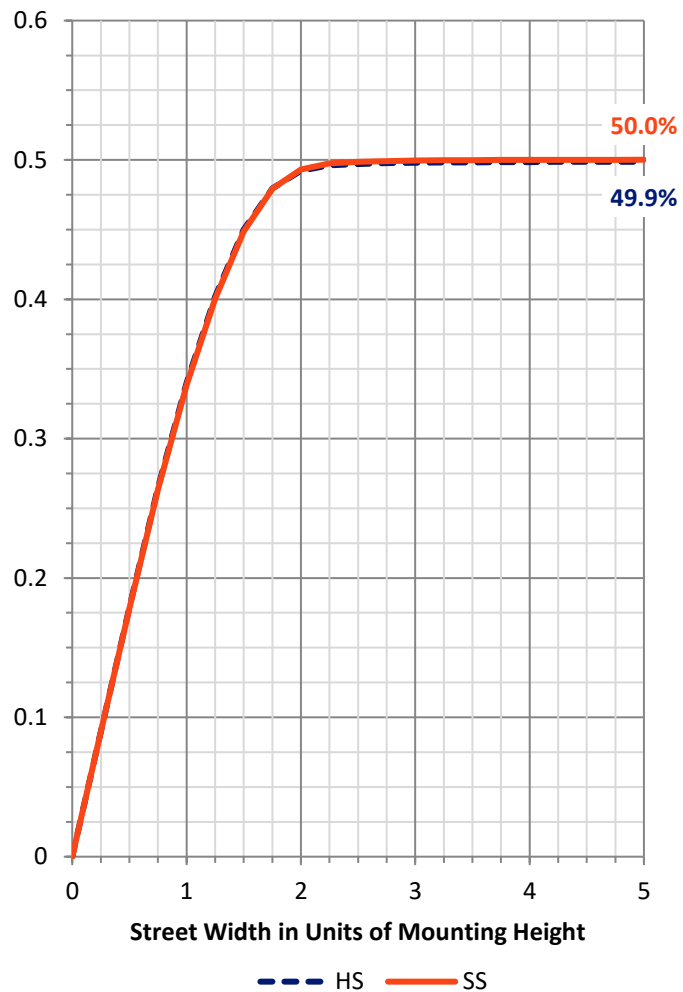
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1934.6	0.0	1934.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1934.6	0.0	1934.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	3869.2	0.0	3869.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.2	1.3
10°-20°	151.5	3.9
20°-30°	286.5	7.4
30°-40°	565.0	14.6
40°-50°	894.2	23.1
50°-60°	1314.4	34.0
60°-70°	586.7	15.2
70°-80°	19.7	0.5
80°-90°	0.2	0.0
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°	3869.2	100.0
0°-180°	3869.2	100.0

Coefficient of Utilization



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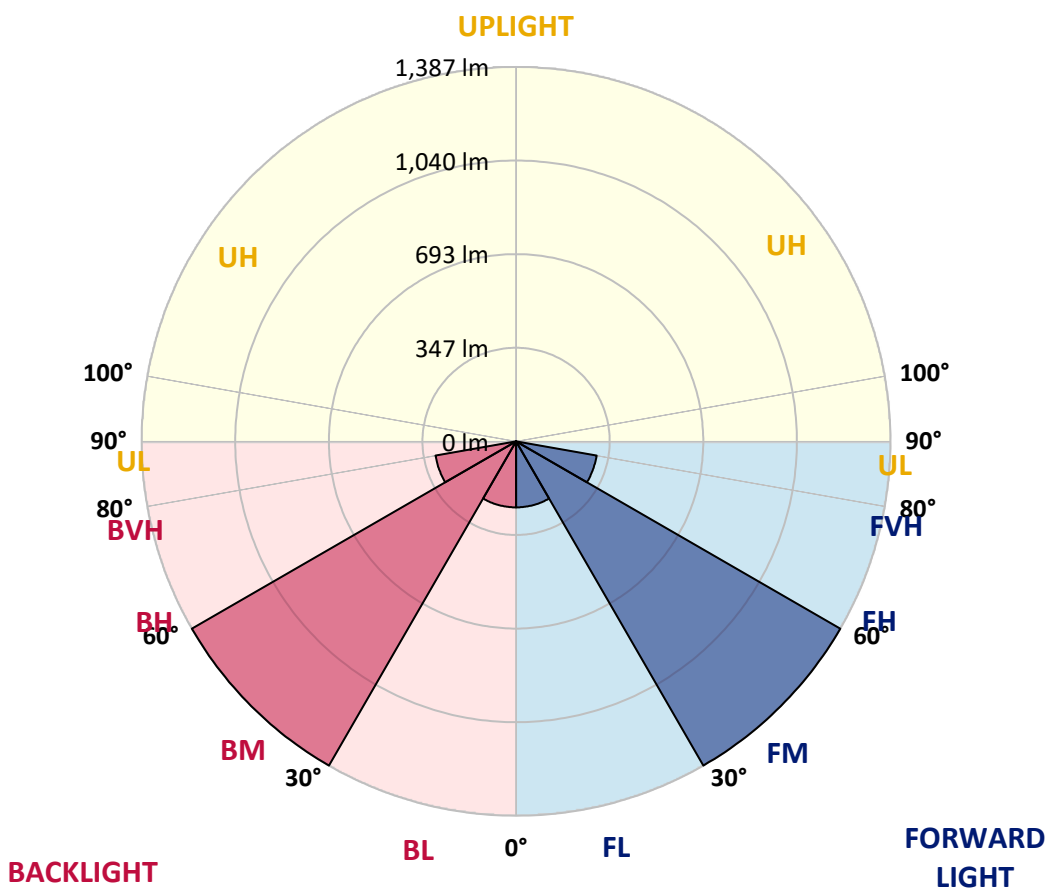
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	244.6	6.3			
FM (30°-60°)	1386.8	35.8			
FH (60°-80°)	303.2	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	244.6	6.3	B1/500		
BM (30°-60°)	1386.8	35.8	B2/2500		
BH (60°-80°)	303.2	7.8	B1/500		G0/660
BVH (80°-90°)	0.1	0.0			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°	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7	548.7
2.5°	543.4	544.5	545.5	546.1	546.6	548.2	548.7	547.1	547.1	544.0	547.6
5°	540.8	541.9	542.9	542.4	542.4	542.4	541.9	539.7	539.2	536.1	539.7
7.5°	536.1	537.1	537.1	535.5	534.5	534.5	533.9	531.3	530.8	527.6	531.3
10°	532.4	532.9	532.4	529.2	527.1	527.1	526.6	525.5	526.0	523.9	527.1
12.5°	534.5	535.0	532.9	528.7	526.0	525.5	523.9	522.3	523.9	523.4	526.6
15°	541.3	541.9	538.2	532.9	530.8	530.8	526.6	522.3	524.5	525.0	528.7
17.5°	549.8	549.8	545.0	540.3	540.8	540.8	533.9	526.6	527.1	529.2	532.9
20°	559.8	559.8	555.0	554.0	557.7	558.2	549.8	538.2	535.5	537.1	541.3
22.5°	577.7	577.7	574.0	576.6	585.1	587.7	575.1	558.7	552.4	553.4	557.7
25°	605.6	605.6	604.6	610.9	623.0	628.8	612.0	590.3	579.8	578.2	583.0
27.5°	652.5	653.1	651.5	661.0	676.3	683.1	659.9	631.5	618.8	616.2	620.9
30°	713.2	713.2	713.7	726.9	746.9	755.9	725.3	692.1	677.3	668.9	675.2
32.5°	780.6	781.7	787.0	809.1	844.4	862.9	818.0	771.7	747.9	739.0	745.8
35°	891.8	881.8	875.5	891.8	943.0	967.2	909.8	855.5	837.6	836.5	853.9
37.5°	1002.0	996.2	983.0	999.9	1045.8	1056.8	993.6	948.2	935.6	942.4	959.8
40°	1089.5	1079.0	1061.6	1077.4	1137.5	1148.5	1070.5	1025.7	1021.0	1036.3	1060.0
42.5°	1158.6	1143.8	1120.6	1124.3	1172.8	1180.7	1111.6	1077.9	1081.1	1100.0	1126.9
45°	1189.6	1178.1	1157.5	1155.9	1186.5	1187.0	1132.7	1115.3	1123.8	1138.5	1159.6
47.5°	1202.8	1197.6	1186.0	1183.3	1200.7	1196.5	1162.8	1155.4	1163.3	1167.5	1179.6
50°	1235.5	1235.5	1237.1	1239.2	1257.1	1252.9	1229.2	1220.7	1210.7	1196.0	1199.7
52.5°	1327.2	1330.9	1346.2	1363.1	1395.7	1409.4	1371.0	1321.9	1274.0	1241.8	1241.8
55°	1492.7	1496.4	1514.3	1542.8	1602.9	1635.6	1546.0	1437.9	1372.0	1328.3	1334.1
57.5°	1583.9	1588.1	1625.0	1702.0	1818.5	1873.8	1681.4	1521.2	1428.9	1378.9	1383.1
58°	1578.1	1580.8	1622.4	1712.5	1842.2	1901.8	1690.9	1518.6	1421.6	1370.4	1375.7
60°	1402.1	1398.4	1464.8	1593.4	1776.3	1858.5	1596.6	1386.3	1273.5	1221.3	1223.9
62.5°	916.6	918.7	976.2	1110.6	1252.9	1330.4	1115.3	958.8	868.1	836.5	828.6
65°	382.7	375.8	411.1	486.0	571.4	614.6	528.1	447.0	391.1	370.0	375.8
67.5°	98.6	95.9	98.0	122.8	150.2	177.6	149.2	113.9	99.1	100.1	100.1
70°	55.9	52.7	42.7	39.5	38.5	38.5	38.5	38.5	44.3	52.2	53.8
72.5°	42.2	39.5	31.1	26.9	23.7	22.1	23.2	26.9	32.2	39.0	40.1
75°	21.1	21.1	19.0	17.9	15.8	14.8	15.3	16.9	19.5	22.1	21.6
77.5°	4.2	4.7	5.3	6.3	5.3	5.3	5.3	6.3	6.3	6.9	6.3
80°	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
82.5°	0.0	0.5	0.5	0.0	0.0	0.0	0.0	0.5	0.5	0.5	0.5
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)