

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: P636866

Luminaire Tested: GWS-SA4B-760-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P636866
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4B-760-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (64) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14804.6 lumens
Efficiency: N/A
Efficacy: 156.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

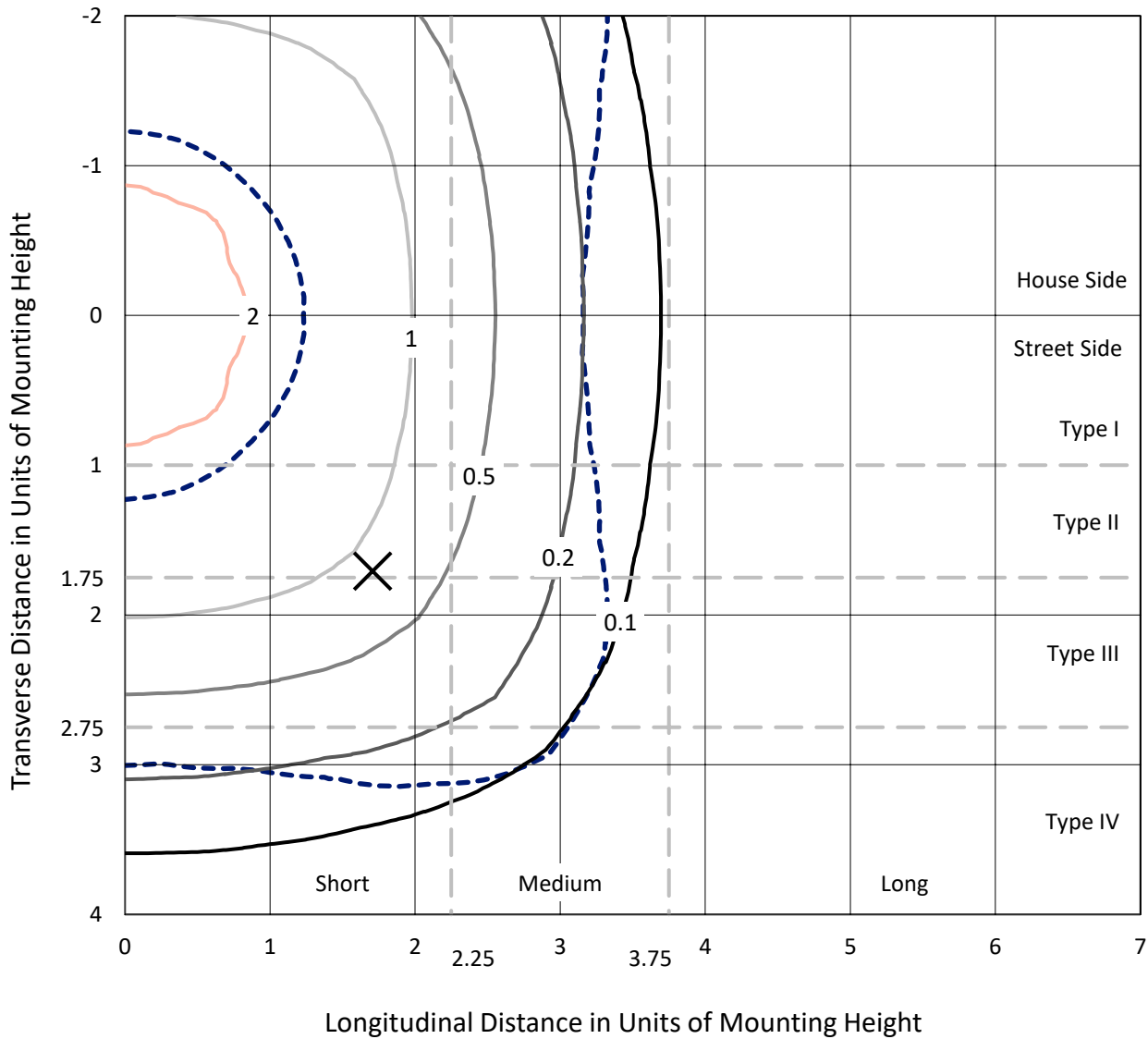
Input Watts (W): 94.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P636866
 CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

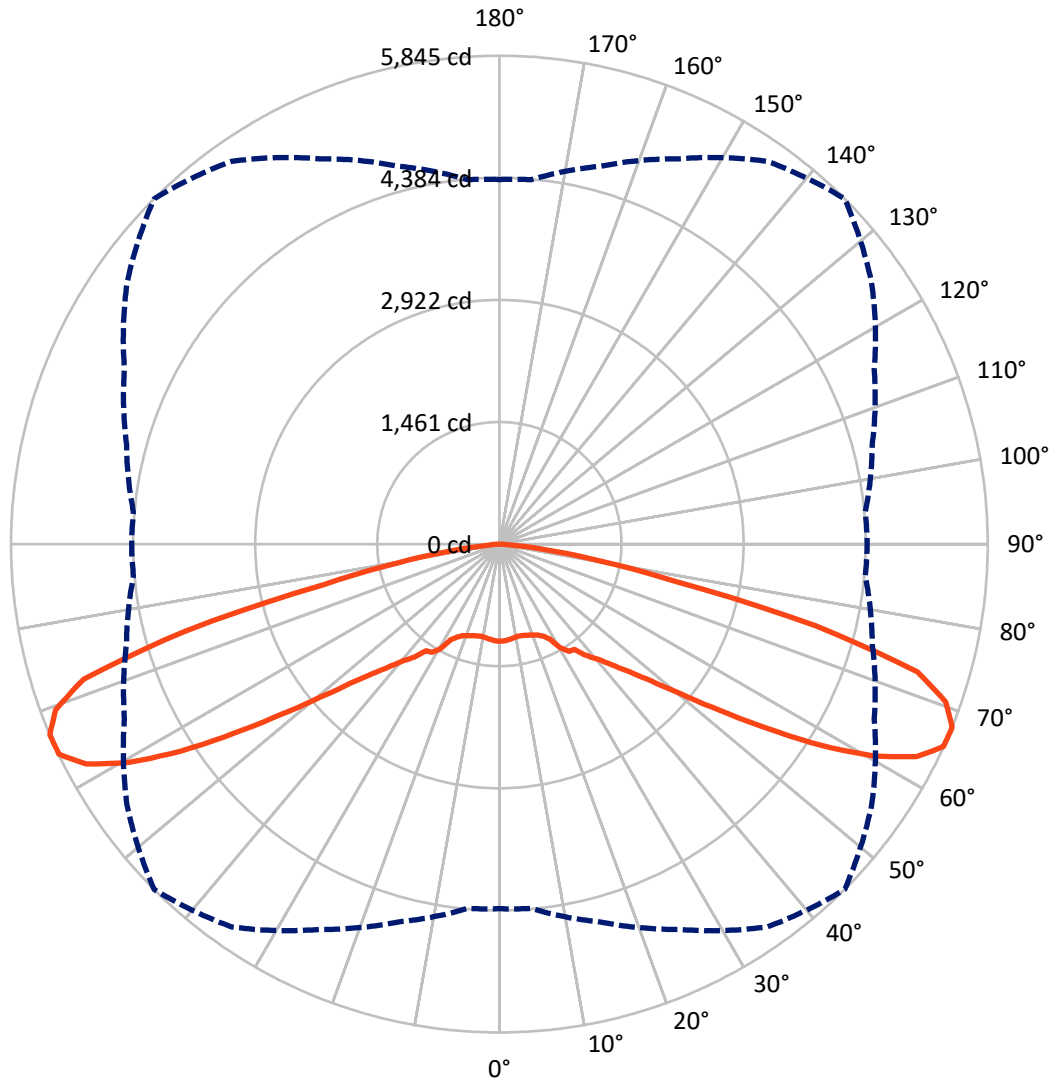
✕ Max cd
 - - - 1/2 Max cd



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

REPORT NUMBER: P636866
CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P636866

CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7402.3	0.0	7402.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7402.3	0.0	7402.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	14804.6	0.0	14804.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	109.0	0.7
10°-20°	323.5	2.2
20°-30°	580.3	3.9
30°-40°	980.3	6.6
40°-50°	1722.3	11.6
50°-60°	3322.5	22.4
60°-70°	4820.4	32.6
70°-80°	2758.0	18.6
80°-90°	188.2	1.3
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°	14804.6	100.0
0°-180°	14804.6	100.0

Coefficient of Utilization



REPORT NUMBER: P636866

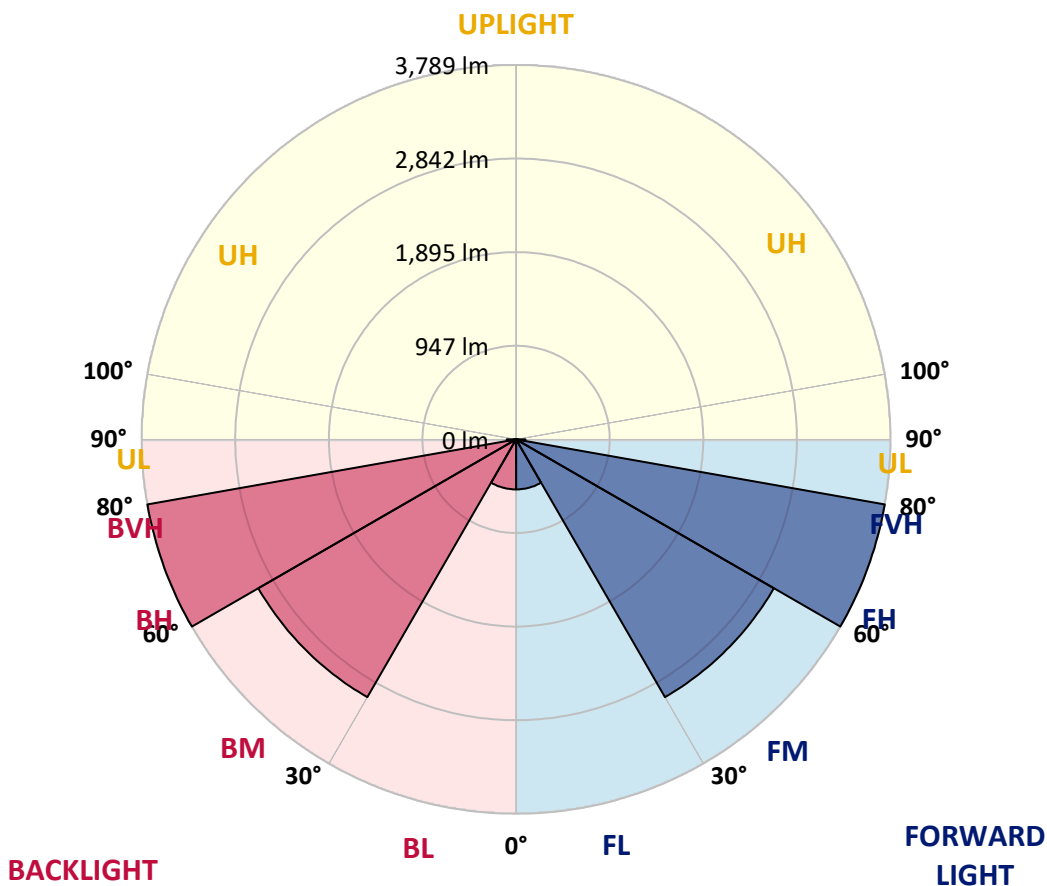
CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	506.4	3.4			
FM (30°-60°)	3012.5	20.3			
FH (60°-80°)	3789.2	25.6			G2/5000
FVH (80°-90°)	94.1	0.6			G1/100
BL (0°-30°)	506.4	3.4	B2/1000		
BM (30°-60°)	3012.5	20.3	B3/5000		
BH (60°-80°)	3789.2	25.6	B4/5000		G2/5000
BVH (80°-90°)	94.1	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





REPORT NUMBER: P636866
 CATALOG NUMBER: GWS-SA4B-760-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0	1161.0
2.5°	1151.6	1152.6	1154.7	1154.7	1156.8	1159.9	1161.0	1158.9	1159.9	1154.7	1159.9
5°	1148.4	1149.5	1150.5	1148.4	1148.4	1149.5	1149.5	1147.4	1148.4	1143.2	1148.4
7.5°	1141.1	1142.1	1142.1	1139.0	1135.9	1138.0	1138.0	1135.9	1136.9	1131.7	1138.0
10°	1134.8	1134.8	1133.8	1127.5	1124.3	1127.5	1128.5	1129.6	1133.8	1129.6	1136.9
12.5°	1139.0	1139.0	1135.9	1127.5	1122.2	1124.3	1126.4	1128.5	1135.9	1134.8	1143.2
15°	1150.5	1151.6	1143.2	1133.8	1130.6	1133.8	1131.7	1130.6	1140.0	1143.2	1152.6
17.5°	1159.9	1159.9	1149.5	1140.0	1141.1	1146.3	1142.1	1136.9	1146.3	1152.6	1163.1
20°	1168.3	1167.3	1155.7	1149.5	1153.7	1161.0	1157.8	1150.5	1156.8	1164.1	1173.5
22.5°	1189.2	1188.2	1175.6	1172.5	1176.7	1184.0	1180.9	1174.6	1181.9	1192.4	1203.9
25°	1248.9	1246.8	1228.0	1217.5	1215.4	1220.7	1219.6	1217.5	1229.0	1241.6	1255.2
27.5°	1328.5	1327.4	1313.8	1303.4	1289.7	1285.6	1288.7	1298.1	1314.9	1324.3	1335.8
30°	1368.3	1368.3	1366.2	1382.9	1412.2	1440.5	1418.5	1382.9	1368.3	1364.1	1375.6
32.5°	1420.6	1425.8	1418.5	1437.4	1486.6	1528.4	1486.6	1429.0	1418.5	1418.5	1431.1
35°	1541.0	1543.1	1531.6	1528.4	1544.1	1549.4	1529.5	1508.5	1520.1	1522.2	1537.9
37.5°	1637.3	1637.3	1632.1	1640.5	1672.9	1692.8	1660.3	1622.7	1625.8	1627.9	1647.8
40°	1786.0	1790.2	1777.6	1776.5	1789.1	1806.9	1772.4	1748.3	1765.0	1770.3	1800.6
42.5°	1971.3	1971.3	1952.4	1947.2	1955.6	1974.4	1942.0	1926.2	1948.2	1952.4	1970.2
45°	2192.2	2197.4	2172.3	2162.8	2167.0	2173.3	2150.3	2143.0	2163.9	2173.3	2204.7
47.5°	2461.2	2466.4	2444.4	2443.4	2439.2	2443.4	2421.4	2417.2	2434.0	2426.7	2460.2
50°	2793.1	2802.5	2783.6	2809.8	2806.7	2819.2	2788.9	2766.9	2766.9	2747.0	2765.8
52.5°	3164.7	3183.5	3193.0	3236.9	3270.4	3301.8	3251.6	3217.0	3166.8	3126.0	3177.3
55°	3569.8	3564.6	3624.3	3720.6	3819.0	3893.3	3794.9	3686.0	3604.4	3519.6	3539.5
57.5°	3924.7	3942.5	4021.0	4196.9	4391.6	4548.7	4371.7	4162.4	3977.1	3855.6	3872.4
60°	4219.9	4234.6	4339.3	4592.6	4932.9	5149.6	4869.0	4523.5	4254.5	4087.0	4104.8
62.5°	4492.1	4505.7	4611.5	4891.0	5320.2	5602.9	5240.6	4768.5	4469.1	4300.6	4311.0
65°	4649.2	4657.5	4802.0	5096.2	5548.4	5840.5	5432.2	4945.4	4651.3	4479.6	4485.9
67.5°	4363.4	4377.0	4681.6	5087.8	5592.4	5844.7	5440.6	4950.7	4619.9	4395.8	4401.1
70°	3442.1	3430.6	3793.9	4492.1	5340.1	5668.8	5198.8	4579.0	4068.2	3755.1	3749.9
72.5°	2624.5	2627.7	2829.7	3308.1	4353.9	5231.2	4587.4	3687.1	3136.4	2898.8	2889.4
75°	1903.2	1932.5	2096.9	2447.6	3045.4	3910.1	3453.6	2732.3	2363.8	2221.5	2200.5
77.5°	857.4	895.1	1124.3	1536.8	2036.2	2160.7	2169.1	1855.1	1399.7	1163.1	1126.4
80°	250.2	268.0	344.4	589.4	948.5	1225.9	973.6	818.7	509.8	399.9	381.1
82.5°	105.7	120.4	147.6	163.3	275.3	568.5	353.8	225.1	209.4	169.6	154.9
85°	45.0	48.2	61.8	66.0	89.0	121.4	112.0	101.5	97.4	75.4	69.1
87.5°	18.8	18.8	18.8	16.7	15.7	16.7	23.0	29.3	38.7	30.4	28.3
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)