

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: P635544

Luminaire Tested: GWS-SA3E-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635544
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-SA3E-722-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8524.7 lumens
Efficiency: N/A
Efficacy: 53.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

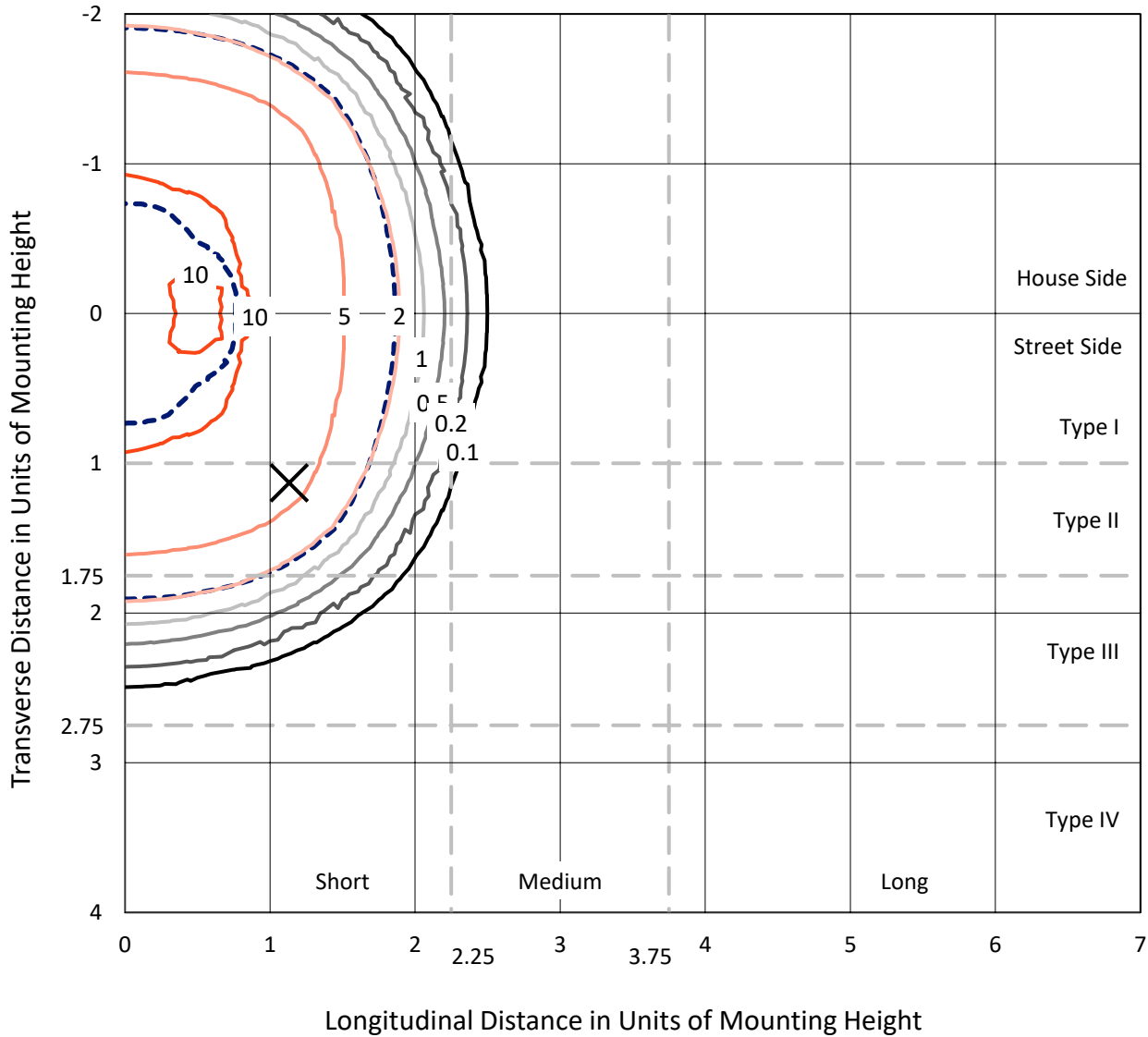
Input Watts (W): 159.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635544
 CATALOG NUMBER: GWS-SA3E-722-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

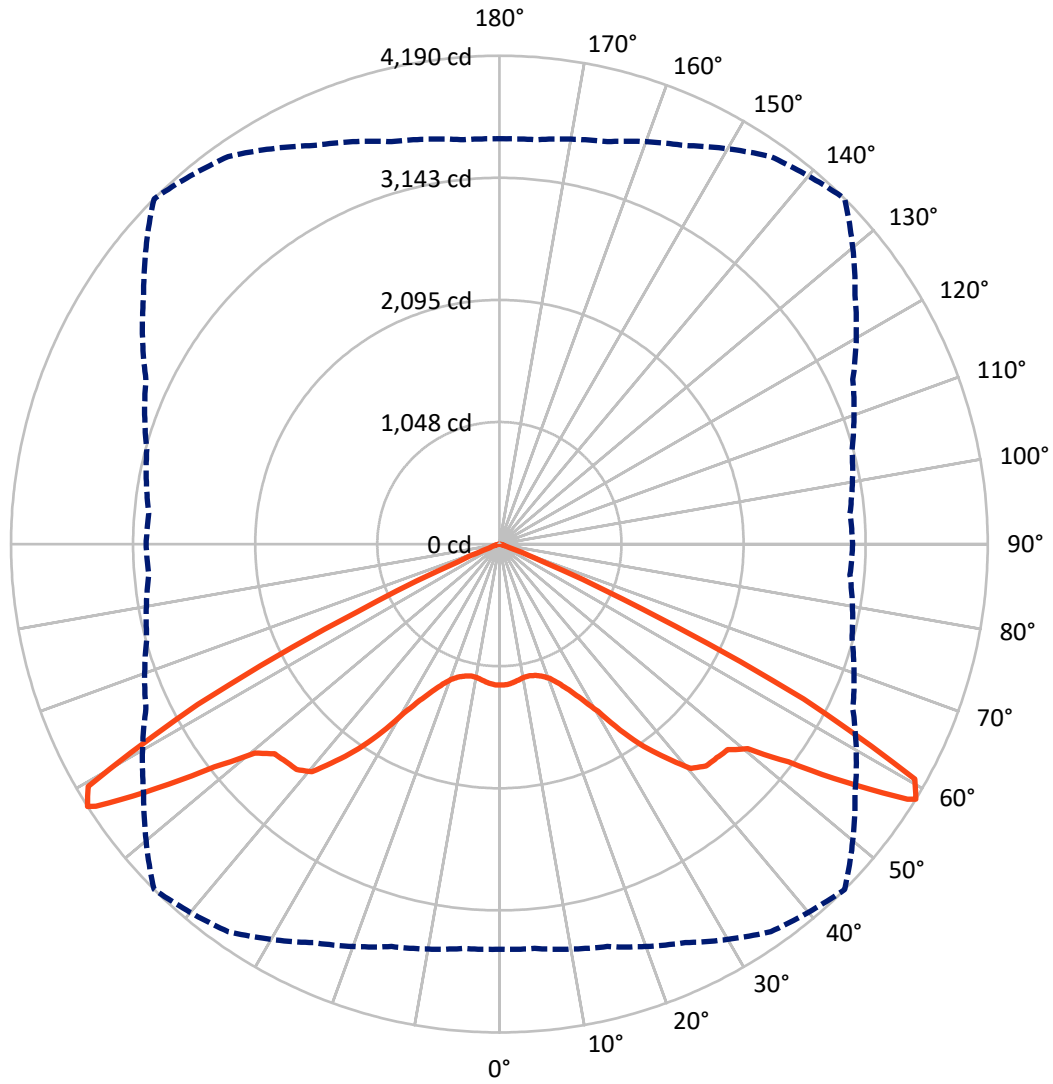
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 12.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635544
CATALOG NUMBER: GWS-SA3E-722-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635544

CATALOG NUMBER: GWS-SA3E-722-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4262.4	0.0	4262.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4262.4	0.0	4262.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	8524.7	0.0	8524.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	112.8	1.3
10°-20°	333.7	3.9
20°-30°	631.2	7.4
30°-40°	1244.9	14.6
40°-50°	1970.0	23.1
50°-60°	2895.8	34.0
60°-70°	1292.6	15.2
70°-80°	43.3	0.5
80°-90°	0.4	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°	8524.7	100.0
0°-180°	8524.7	100.0

Coefficient of Utilization



REPORT NUMBER: P635544

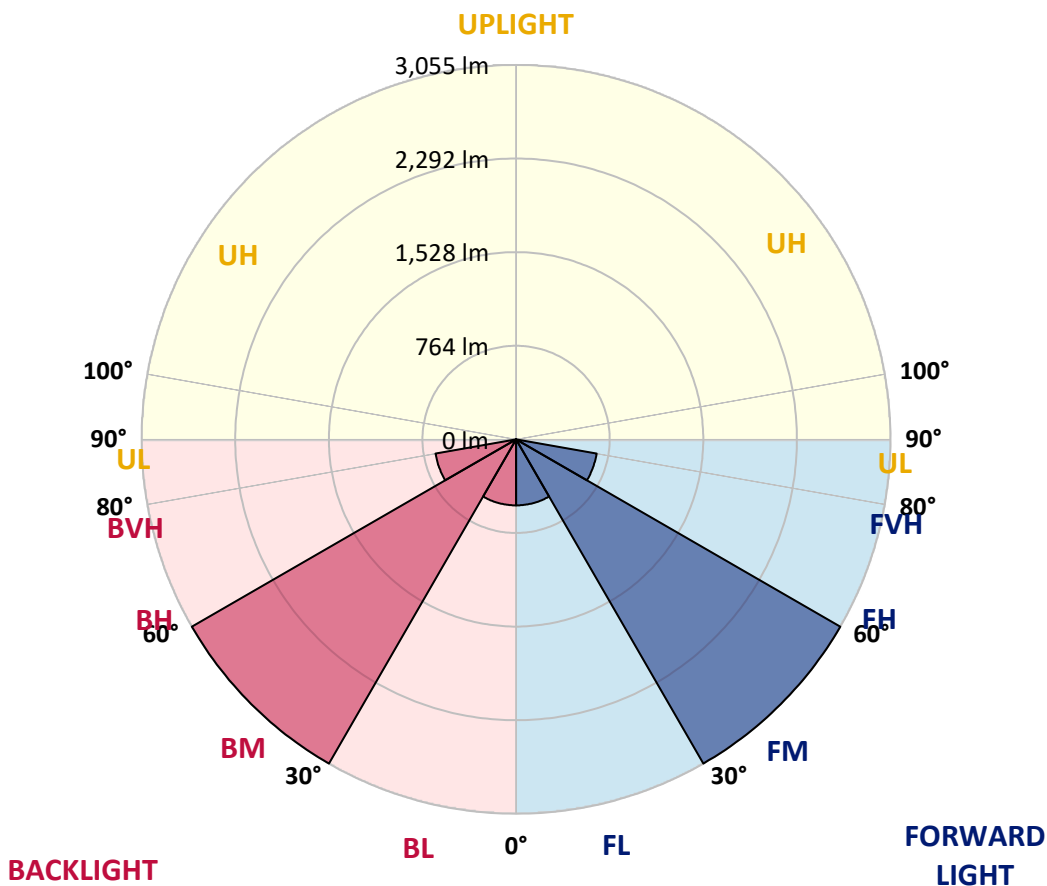
CATALOG NUMBER: GWS-SA3E-722-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	538.9	6.3			
FM (30°-60°)	3055.4	35.8			
FH (60°-80°)	667.9	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	538.9	6.3	B2/1000		
BM (30°-60°)	3055.4	35.8	B3/5000		
BH (60°-80°)	667.9	7.8	B2/1000		G1/1800
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P635544
 CATALOG NUMBER: GWS-SA3E-722-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9	1208.9
2.5°	1197.3	1199.6	1201.9	1203.1	1204.3	1207.8	1208.9	1205.4	1205.4	1198.5	1206.6
5°	1191.5	1193.8	1196.1	1195.0	1195.0	1195.0	1193.8	1189.2	1188.0	1181.0	1189.2
7.5°	1181.0	1183.4	1183.4	1179.9	1177.6	1177.6	1176.4	1170.6	1169.4	1162.5	1170.6
10°	1172.9	1174.1	1172.9	1165.9	1161.3	1161.3	1160.1	1157.8	1159.0	1154.3	1161.3
12.5°	1177.6	1178.7	1174.1	1164.8	1159.0	1157.8	1154.3	1150.9	1154.3	1153.2	1160.1
15°	1192.7	1193.8	1185.7	1174.1	1169.4	1169.4	1160.1	1150.9	1155.5	1156.7	1164.8
17.5°	1211.2	1211.2	1200.8	1190.3	1191.5	1191.5	1176.4	1160.1	1161.3	1165.9	1174.1
20°	1233.3	1233.3	1222.9	1220.5	1228.7	1229.8	1211.2	1185.7	1179.9	1183.4	1192.7
22.5°	1272.8	1272.8	1264.7	1270.5	1289.0	1294.9	1267.0	1231.0	1217.0	1219.4	1228.7
25°	1334.3	1334.3	1332.0	1345.9	1372.7	1385.4	1348.3	1300.7	1277.4	1273.9	1284.4
27.5°	1437.7	1438.9	1435.4	1456.3	1490.0	1505.0	1454.0	1391.2	1363.4	1357.6	1368.0
30°	1571.2	1571.2	1572.4	1601.4	1645.6	1665.3	1598.0	1524.8	1492.3	1473.7	1487.6
32.5°	1719.9	1722.2	1733.8	1782.6	1860.4	1901.1	1802.3	1700.1	1647.9	1628.1	1643.2
35°	1964.9	1942.9	1928.9	1964.9	2077.6	2131.0	2004.4	1884.8	1845.3	1843.0	1881.3
37.5°	2207.6	2194.9	2165.8	2203.0	2304.0	2328.4	2189.1	2089.2	2061.3	2076.4	2114.7
40°	2400.4	2377.2	2338.9	2373.7	2506.1	2530.5	2358.6	2259.9	2249.4	2283.1	2335.4
42.5°	2552.5	2520.0	2468.9	2477.1	2583.9	2601.3	2449.2	2374.9	2381.8	2423.6	2482.9
45°	2621.1	2595.5	2550.2	2546.7	2614.1	2615.3	2495.6	2457.3	2475.9	2508.4	2554.9
47.5°	2650.1	2638.5	2612.9	2607.1	2645.4	2636.2	2561.8	2545.6	2563.0	2572.3	2599.0
50°	2722.1	2722.1	2725.6	2730.2	2769.7	2760.4	2708.2	2689.6	2667.5	2635.0	2643.1
52.5°	2924.2	2932.3	2966.0	3003.1	3075.1	3105.3	3020.5	2912.5	2806.9	2736.0	2736.0
55°	3288.8	3296.9	3336.4	3399.1	3531.5	3603.5	3406.1	3168.0	3022.9	2926.5	2939.3
57.5°	3489.7	3499.0	3580.3	3749.8	4006.5	4128.4	3704.6	3351.5	3148.3	3038.0	3047.3
58°	3476.9	3482.7	3574.5	3773.1	4058.8	4190.0	3725.5	3345.7	3132.0	3019.4	3031.0
60°	3089.1	3080.9	3227.3	3510.6	3913.6	4094.8	3517.6	3054.2	2805.7	2690.7	2696.5
62.5°	2019.5	2024.2	2150.7	2446.9	2760.4	2931.1	2457.3	2112.4	1912.7	1843.0	1825.6
65°	843.1	828.0	905.8	1070.7	1258.9	1354.1	1163.6	984.8	861.7	815.2	828.0
67.5°	217.2	211.4	216.0	270.6	331.0	391.4	328.6	250.8	218.3	220.6	220.6
70°	123.1	116.1	94.1	87.1	84.8	84.8	84.8	84.8	97.5	115.0	118.5
72.5°	92.9	87.1	68.5	59.2	52.3	48.8	51.1	59.2	70.8	85.9	88.3
75°	46.5	46.5	41.8	39.5	34.8	32.5	33.7	37.2	43.0	48.8	47.6
77.5°	9.3	10.5	11.6	13.9	11.6	11.6	11.6	13.9	13.9	15.1	13.9
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)