

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: P632079

Luminaire Tested: GWS-SA2C-722-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632079
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-722-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) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3587.7 lumens
Efficiency: N/A
Efficacy: 56.8 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

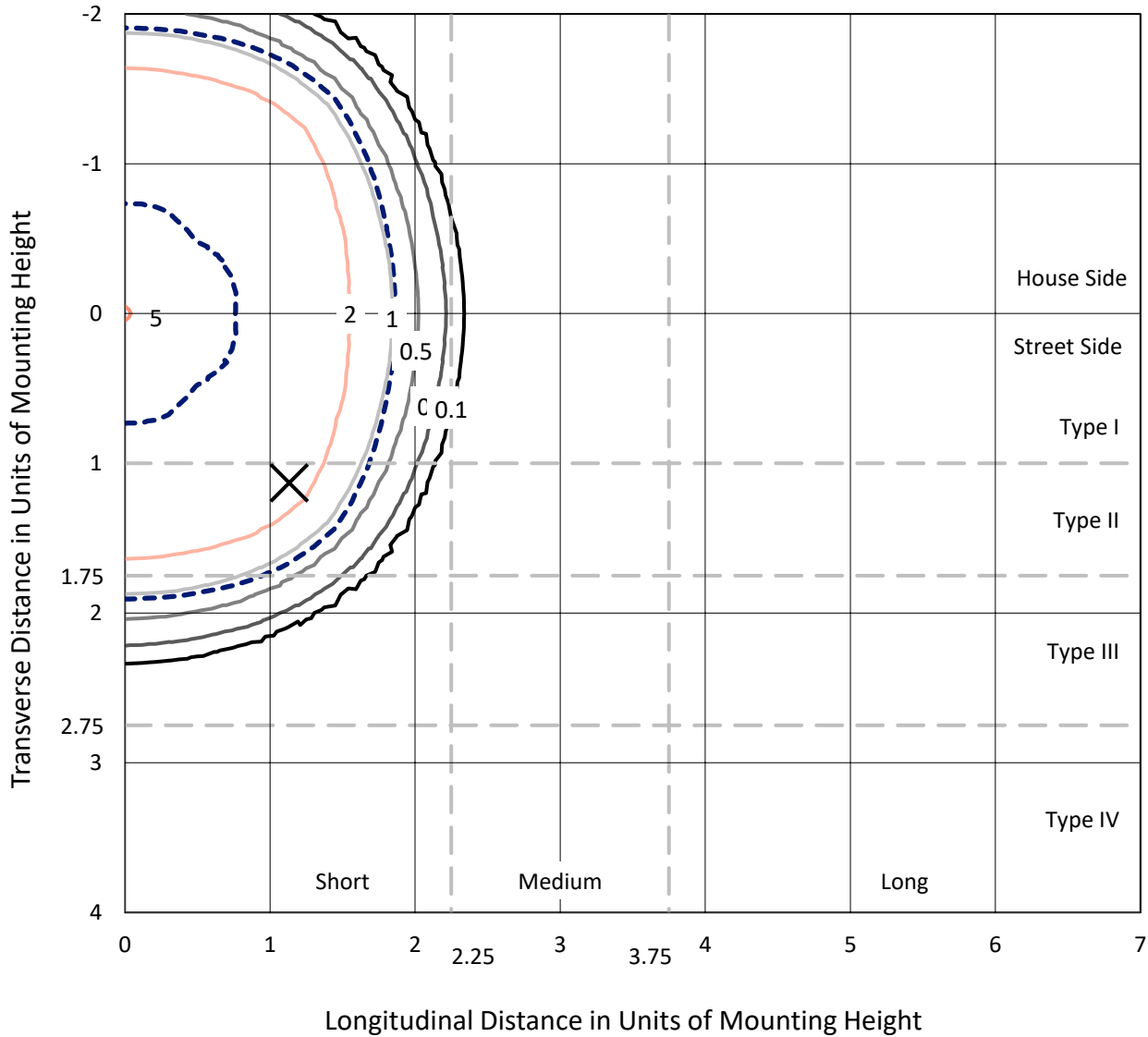


REPORT NUMBER: P632079

CATALOG NUMBER: GWS-SA2C-722-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

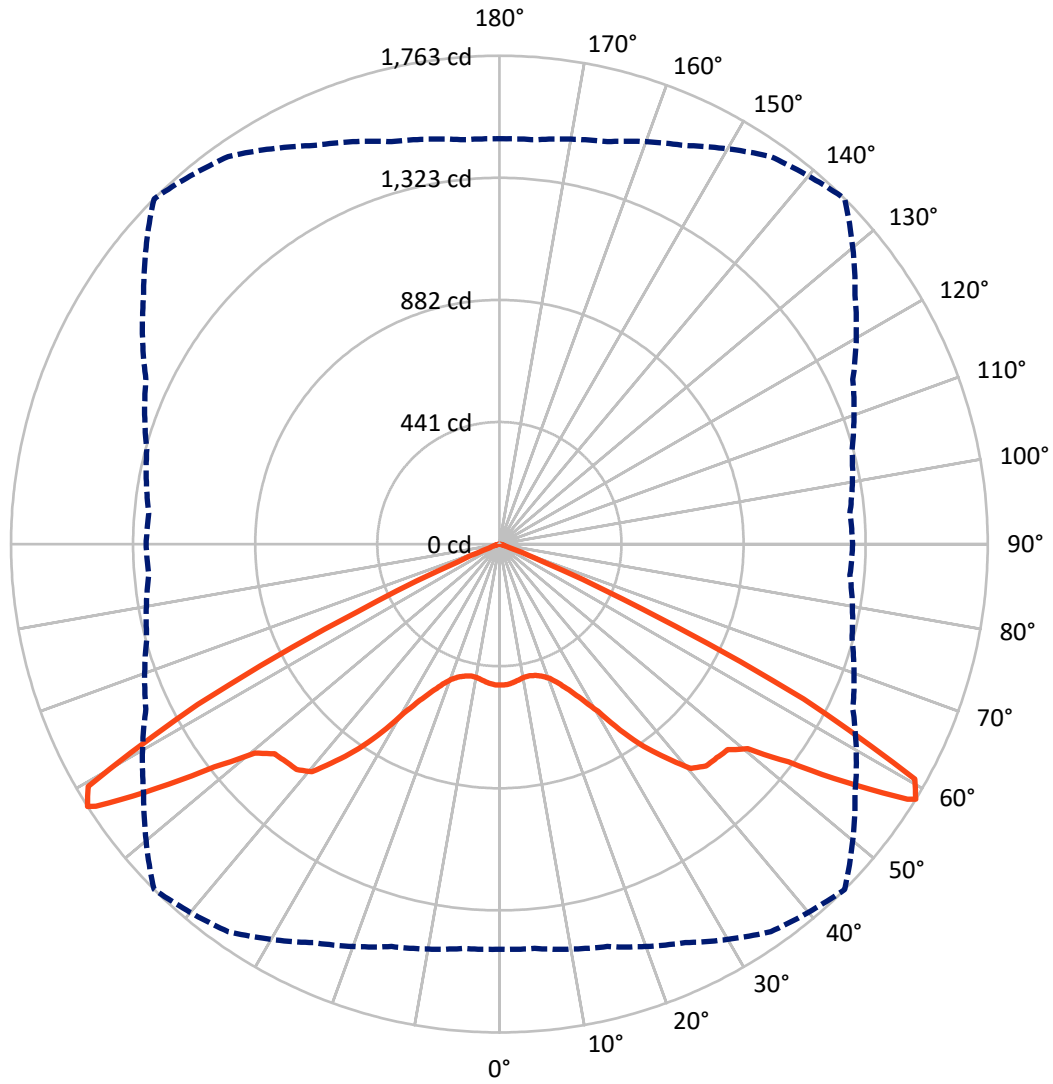
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.1 fc
 Type V - Short - N/A

REPORT NUMBER: P632079
CATALOG NUMBER: GWS-SA2C-722-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P632079

CATALOG NUMBER: GWS-SA2C-722-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1793.9	0.0	1793.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1793.9	0.0	1793.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	3587.7	0.0	3587.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	47.5	1.3
10°-20°	140.5	3.9
20°-30°	265.7	7.4
30°-40°	523.9	14.6
40°-50°	829.1	23.1
50°-60°	1218.7	34.0
60°-70°	544.0	15.2
70°-80°	18.2	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°	3587.7	100.0
0°-180°	3587.7	100.0

Coefficient of Utilization



REPORT NUMBER: P632079

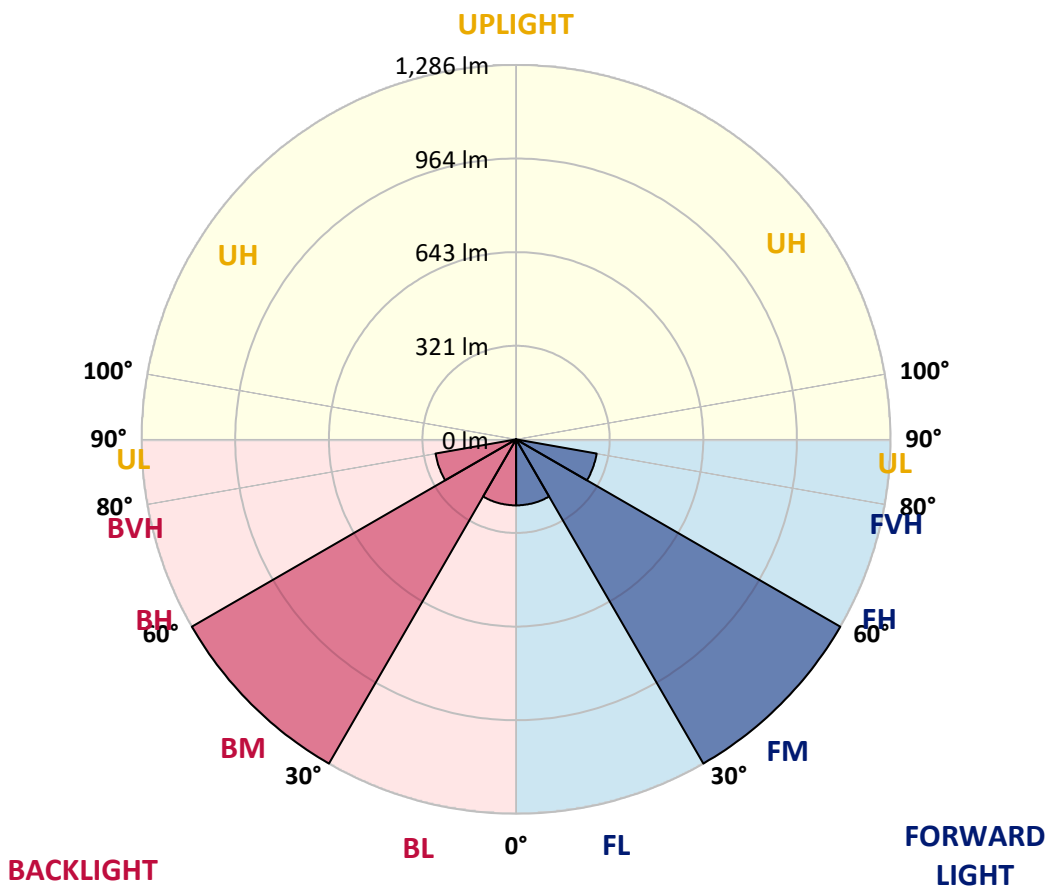
CATALOG NUMBER: GWS-SA2C-722-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	226.8	6.3			
FM (30°-60°)	1285.9	35.8			
FH (60°-80°)	281.1	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	226.8	6.3	B1/500		
BM (30°-60°)	1285.9	35.8	B2/2500		
BH (60°-80°)	281.1	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





REPORT NUMBER: P632079

CATALOG NUMBER: GWS-SA2C-722-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8	508.8
2.5°	503.9	504.9	505.9	506.3	506.8	508.3	508.8	507.3	507.3	504.4	507.8
5°	501.5	502.4	503.4	502.9	502.9	502.9	502.4	500.5	500.0	497.1	500.5
7.5°	497.1	498.0	498.0	496.6	495.6	495.6	495.1	492.7	492.2	489.2	492.7
10°	493.6	494.1	493.6	490.7	488.7	488.7	488.3	487.3	487.8	485.8	488.7
12.5°	495.6	496.1	494.1	490.2	487.8	487.3	485.8	484.3	485.8	485.3	488.3
15°	501.9	502.4	499.0	494.1	492.2	492.2	488.3	484.3	486.3	486.8	490.2
17.5°	509.8	509.8	505.4	501.0	501.5	501.5	495.1	488.3	488.7	490.7	494.1
20°	519.0	519.0	514.6	513.7	517.1	517.6	509.8	499.0	496.6	498.0	501.9
22.5°	535.7	535.7	532.2	534.7	542.5	545.0	533.2	518.1	512.2	513.2	517.1
25°	561.6	561.6	560.6	566.5	577.7	583.1	567.4	547.4	537.6	536.2	540.6
27.5°	605.1	605.6	604.1	612.9	627.1	633.4	611.9	585.5	573.8	571.3	575.7
30°	661.3	661.3	661.8	674.0	692.6	700.9	672.5	641.7	628.0	620.2	626.1
32.5°	723.8	724.8	729.7	750.2	783.0	800.1	758.5	715.5	693.5	685.2	691.6
35°	827.0	817.7	811.8	827.0	874.4	896.8	843.6	793.2	776.6	775.6	791.8
37.5°	929.1	923.7	911.5	927.1	969.7	979.9	921.3	879.3	867.5	873.9	890.0
40°	1010.2	1000.5	984.3	999.0	1054.7	1065.0	992.6	951.1	946.7	960.9	982.9
42.5°	1074.3	1060.6	1039.1	1042.5	1087.5	1094.8	1030.8	999.5	1002.4	1020.0	1044.9
45°	1103.1	1092.3	1073.3	1071.8	1100.2	1100.7	1050.3	1034.2	1042.0	1055.7	1075.2
47.5°	1115.3	1110.4	1099.7	1097.2	1113.4	1109.5	1078.2	1071.3	1078.7	1082.6	1093.8
50°	1145.6	1145.6	1147.1	1149.0	1165.7	1161.7	1139.8	1131.9	1122.6	1109.0	1112.4
52.5°	1230.7	1234.1	1248.3	1263.9	1294.2	1306.9	1271.2	1225.8	1181.3	1151.5	1151.5
55°	1384.1	1387.5	1404.2	1430.6	1486.3	1516.6	1433.5	1333.3	1272.2	1231.6	1237.0
57.5°	1468.7	1472.6	1506.8	1578.2	1686.2	1737.5	1559.1	1410.5	1325.0	1278.6	1282.5
58°	1463.3	1465.7	1504.4	1587.9	1708.2	1763.4	1567.9	1408.1	1318.1	1270.7	1275.6
60°	1300.1	1296.6	1358.2	1477.5	1647.1	1723.3	1480.4	1285.4	1180.8	1132.4	1134.9
62.5°	849.9	851.9	905.2	1029.8	1161.7	1233.6	1034.2	889.0	805.0	775.6	768.3
65°	354.8	348.5	381.2	450.6	529.8	569.9	489.7	414.5	362.6	343.1	348.5
67.5°	91.4	89.0	90.9	113.9	139.3	164.7	138.3	105.6	91.9	92.9	92.9
70°	51.8	48.9	39.6	36.7	35.7	35.7	35.7	35.7	41.1	48.4	49.9
72.5°	39.1	36.7	28.8	24.9	22.0	20.5	21.5	24.9	29.8	36.2	37.1
75°	19.5	19.5	17.6	16.6	14.7	13.7	14.2	15.6	18.1	20.5	20.0
77.5°	3.9	4.4	4.9	5.9	4.9	4.9	4.9	5.9	5.9	6.4	5.9
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)