

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: P632073

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632073
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2C-722-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM 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: 4165.4 lumens
Efficiency: N/A
Efficacy: 65.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

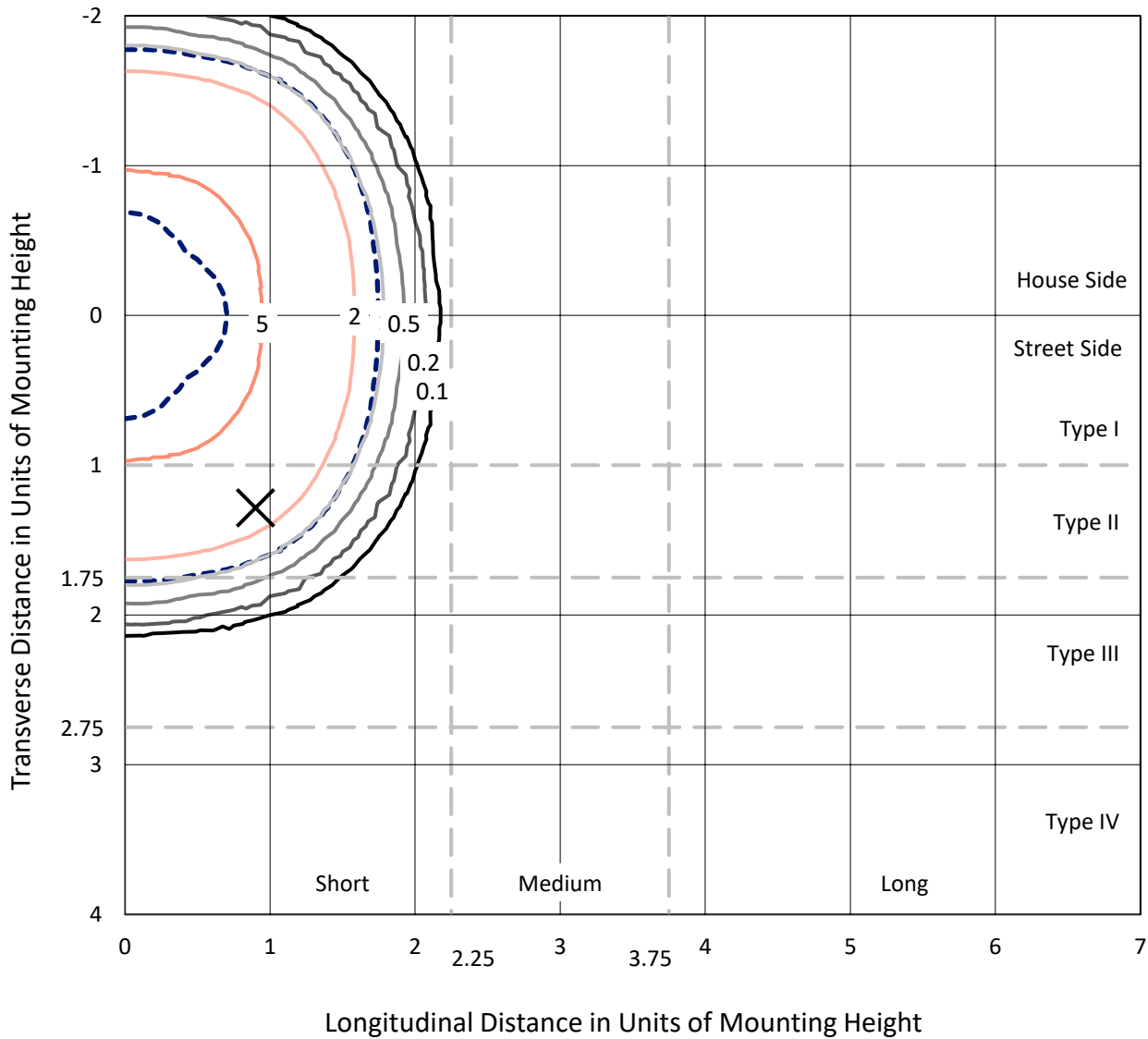
Input Watts (W): 63.2
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632073
 CATALOG NUMBER: GWS-SA2C-722-U-5MQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

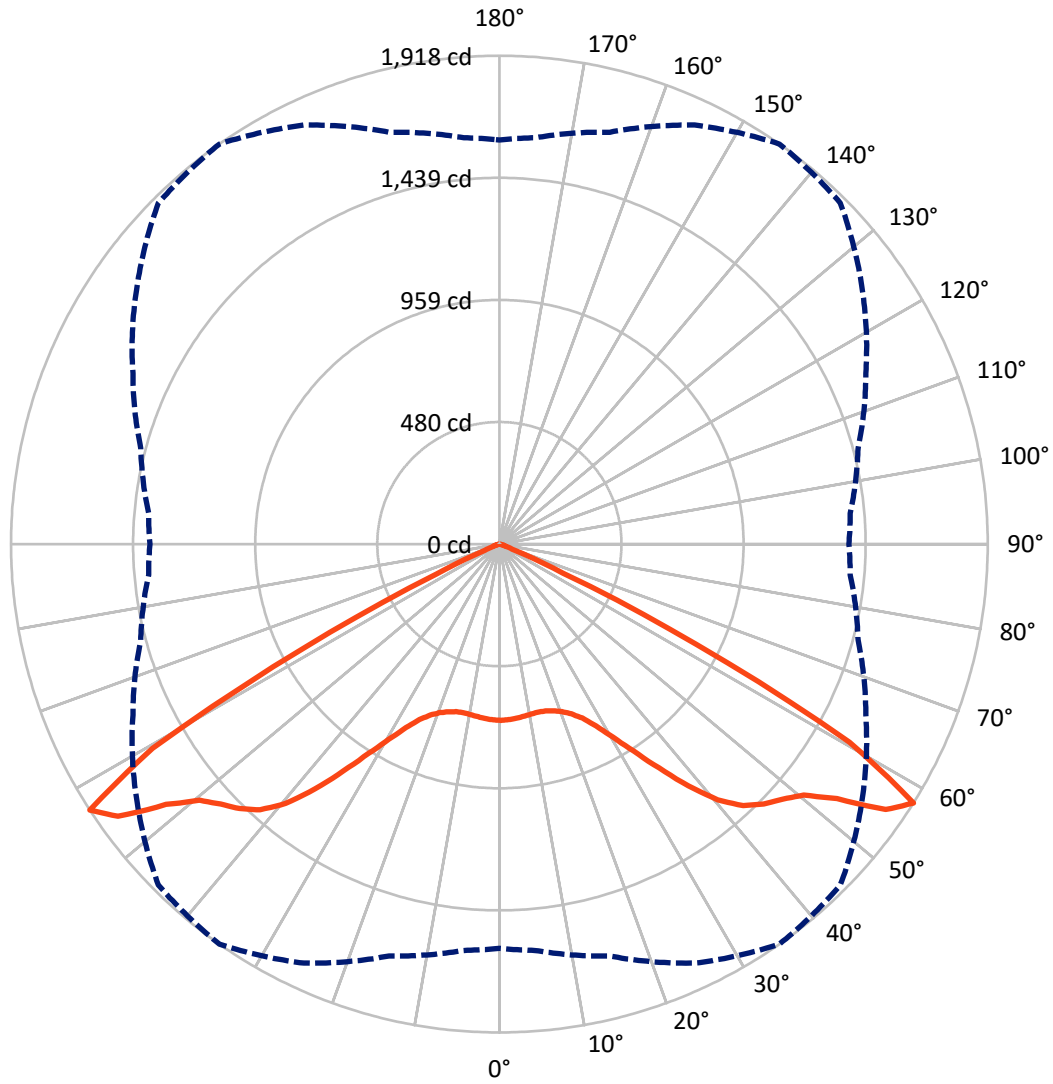
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

REPORT NUMBER: P632073
CATALOG NUMBER: GWS-SA2C-722-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P632073

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

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2082.7	0.0	2082.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2082.7	0.0	2082.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	4165.4	0.0	4165.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	65.2	1.6
10°-20°	191.9	4.6
20°-30°	346.9	8.3
30°-40°	647.2	15.5
40°-50°	1085.7	26.1
50°-60°	1433.8	34.4
60°-70°	380.8	9.1
70°-80°	13.5	0.3
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°	4165.4	100.0
0°-180°	4165.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632073

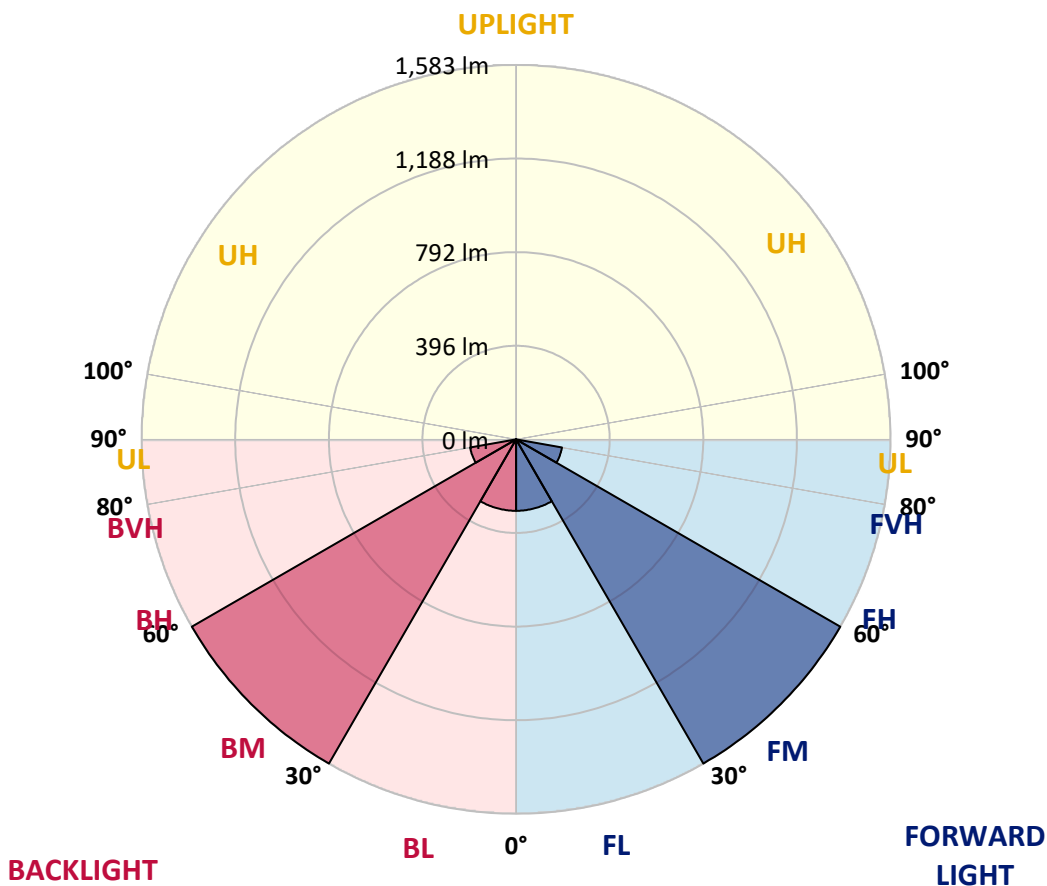
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	302.1	7.3			
FM (30°-60°)	1583.4	38.0			
FH (60°-80°)	197.2	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	302.1	7.3	B1/500		
BM (30°-60°)	1583.4	38.0	B2/2500		
BH (60°-80°)	197.2	4.7	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: P632073

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

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5	692.5
2.5°	687.6	687.2	689.1	690.6	690.6	694.0	693.0	692.0	691.1	689.6	693.0
5°	686.7	686.2	687.6	688.6	687.6	690.6	688.6	686.7	685.7	683.7	687.6
7.5°	682.3	682.8	683.7	684.7	683.2	685.7	683.2	680.3	677.9	675.9	679.3
10°	675.4	675.9	676.9	678.9	679.3	682.8	679.3	674.0	670.5	667.6	671.0
12.5°	672.0	672.5	674.0	676.4	676.9	681.3	676.9	669.1	664.2	660.8	664.2
15°	673.0	674.0	675.9	678.9	679.8	684.2	678.4	668.1	661.3	656.9	659.8
17.5°	676.4	677.4	680.3	685.2	688.6	693.0	685.7	672.5	663.2	656.9	659.8
20°	680.8	682.3	687.2	695.0	702.3	710.1	700.8	682.8	670.5	662.7	665.2
22.5°	693.0	694.5	701.3	711.6	723.8	733.6	722.3	699.4	682.8	672.5	674.9
25°	717.9	719.4	728.2	741.4	757.0	769.8	755.6	726.7	705.2	693.5	694.5
27.5°	757.0	758.5	768.8	787.3	808.4	826.4	805.9	772.2	747.8	734.1	734.1
30°	806.4	808.4	822.0	847.0	879.7	903.7	875.8	834.8	803.5	784.9	785.4
32.5°	869.9	868.0	887.5	921.8	968.2	999.9	958.9	909.0	870.4	844.5	847.0
35°	951.6	951.1	973.1	1019.5	1080.1	1118.2	1069.3	1004.8	958.4	932.0	932.5
37.5°	1056.6	1056.2	1081.6	1131.9	1204.7	1236.5	1181.8	1116.3	1066.4	1041.0	1043.9
40°	1179.8	1176.9	1199.4	1247.7	1320.6	1341.1	1281.5	1228.7	1180.8	1164.7	1172.5
42.5°	1297.1	1290.7	1303.9	1347.9	1404.1	1407.1	1362.1	1325.9	1293.2	1280.5	1285.4
45°	1391.4	1386.5	1398.8	1424.2	1456.4	1441.8	1420.3	1409.0	1382.6	1368.9	1373.3
47.5°	1461.8	1461.8	1476.5	1492.1	1497.0	1470.1	1473.5	1473.5	1447.1	1425.6	1420.3
50°	1522.4	1526.8	1548.8	1564.9	1548.8	1514.6	1534.1	1530.2	1476.5	1433.5	1422.2
52.5°	1619.2	1623.6	1657.3	1679.3	1661.2	1627.5	1629.9	1581.1	1501.9	1451.0	1433.5
55°	1721.8	1732.6	1781.4	1840.1	1840.6	1805.9	1741.4	1654.9	1558.6	1503.3	1485.3
57.5°	1587.4	1602.1	1674.9	1816.1	1918.3	1894.3	1740.4	1588.4	1458.4	1383.1	1372.9
60°	1092.3	1117.7	1190.6	1383.6	1580.6	1589.8	1408.0	1237.5	1088.4	995.5	997.5
62.5°	461.4	487.3	528.3	687.2	868.0	879.2	791.3	669.1	547.4	480.4	490.7
65°	108.5	115.8	128.0	190.1	275.6	288.4	265.9	207.2	153.0	129.5	132.0
67.5°	47.4	48.4	45.9	48.9	60.6	62.1	60.1	52.8	49.9	50.8	50.8
70°	33.2	33.7	31.8	30.3	28.8	26.9	27.9	30.8	33.2	35.2	34.7
72.5°	20.5	21.0	21.5	21.5	20.0	18.1	19.1	21.0	21.5	22.0	21.5
75°	10.3	10.8	11.7	12.2	11.7	11.2	11.2	11.7	11.7	11.2	11.2
77.5°	2.0	2.4	3.4	3.9	3.9	3.9	3.9	3.9	4.4	3.9	3.9
80°	0.5	0.5	1.0	0.5	0.5	0.5	0.5	0.5	0.5	1.0	1.0
82.5°	0.5	0.5	0.5	0.5	0.0	0.0	0.5	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	0.5	0.5	0.5
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.5	0.5	0.5
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)