

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: P631585

Luminaire Tested: GWS-SA2B-722-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631585
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2B-722-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4293.2 lumens
Efficiency: N/A
Efficacy: 92.5 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

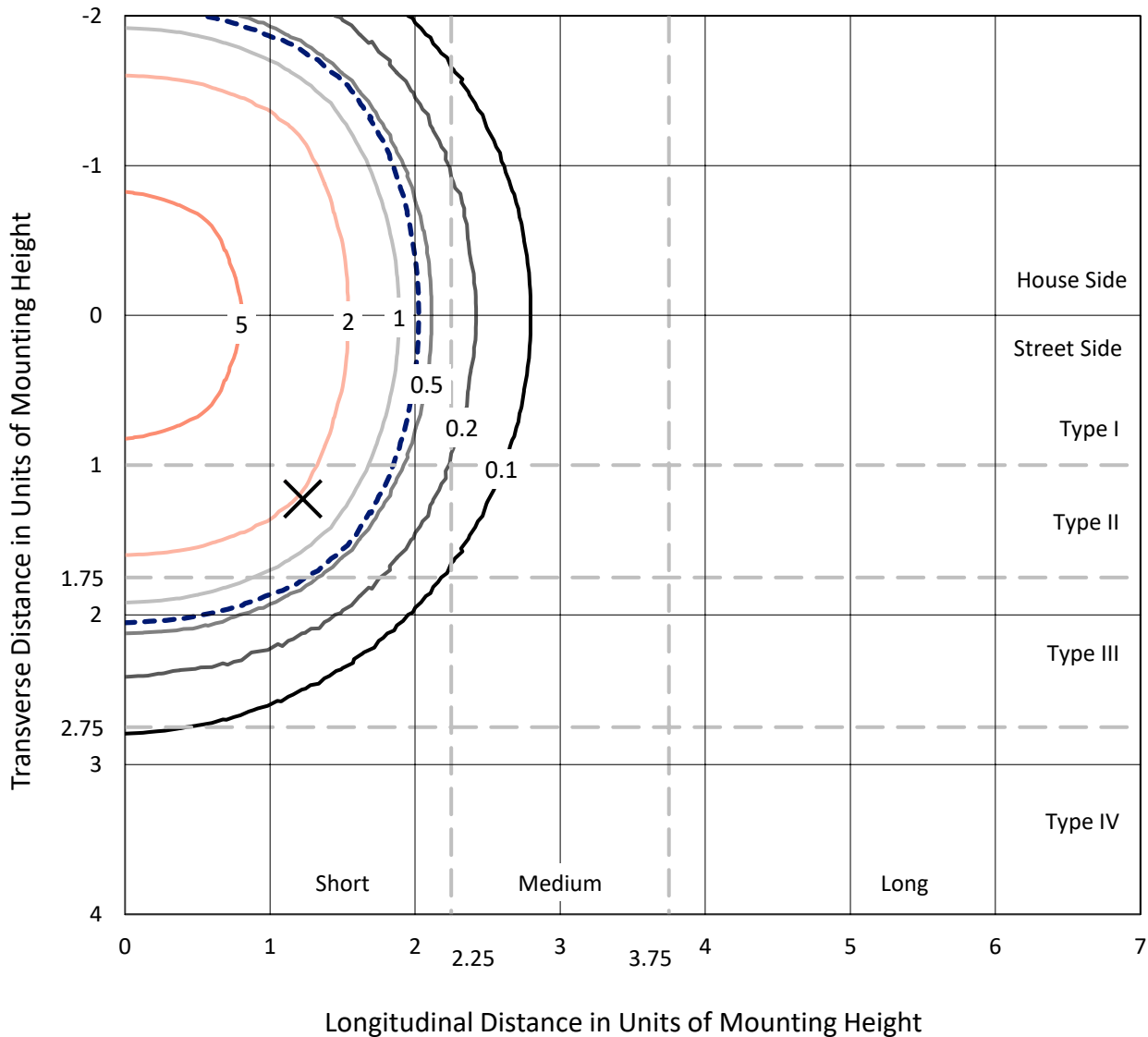
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631585
 CATALOG NUMBER: GWS-SA2B-722-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

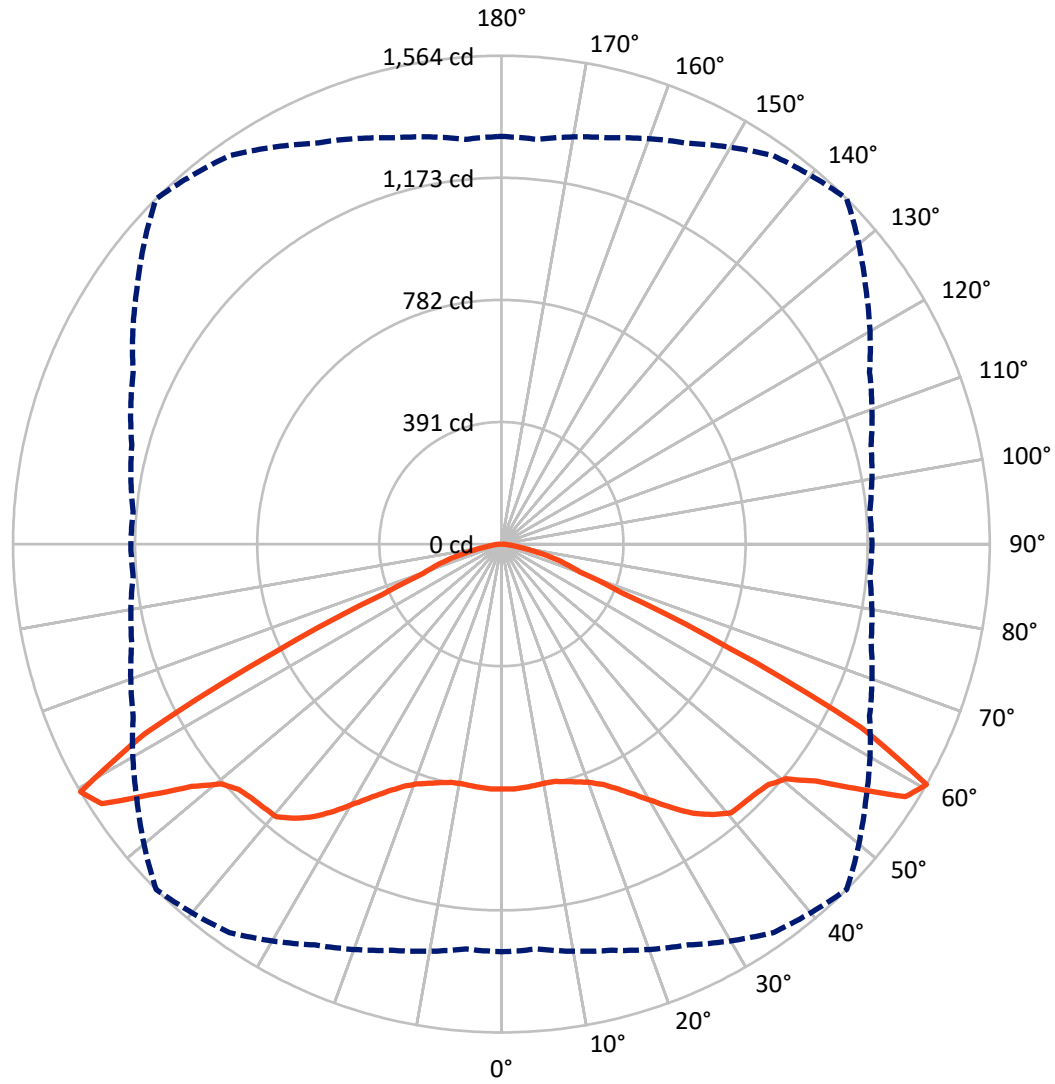
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.8 fc
 Type V - Short - N/A

REPORT NUMBER: P631585
CATALOG NUMBER: GWS-SA2B-722-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

REPORT NUMBER: P631585

CATALOG NUMBER: GWS-SA2B-722-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2146.6	0.0	2146.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2146.6	0.0	2146.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4293.2	0.0	4293.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.4	1.7
10°-20°	223.8	5.2
20°-30°	395.9	9.2
30°-40°	637.5	14.8
40°-50°	876.2	20.4
50°-60°	1167.6	27.2
60°-70°	727.7	17.0
70°-80°	167.3	3.9
80°-90°	22.7	0.5
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°	4293.2	100.0
0°-180°	4293.2	100.0

Coefficient of Utilization



REPORT NUMBER: P631585

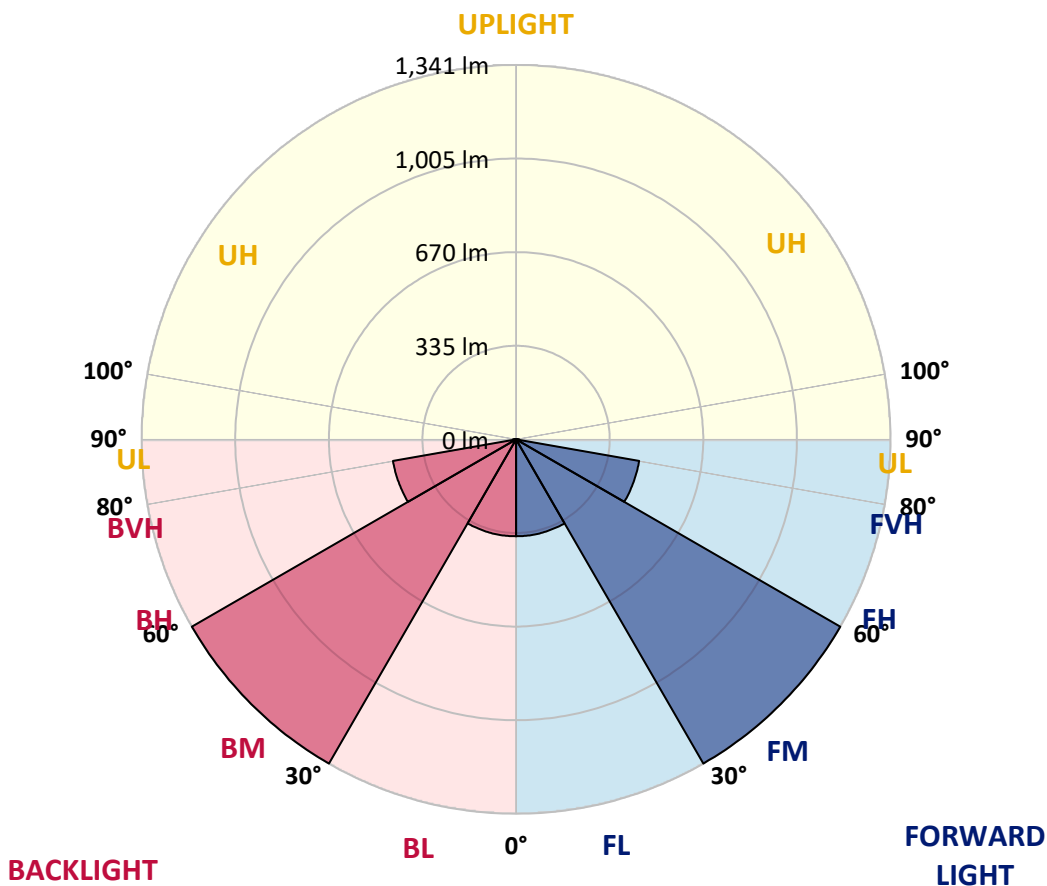
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.1	8.1			
FM (30°-60°)	1340.6	31.2			
FH (60°-80°)	447.5	10.4			G0/660
FVH (80°-90°)	11.4	0.3			G1/100
BL (0°-30°)	347.1	8.1	B1/500		
BM (30°-60°)	1340.6	31.2	B2/2500		
BH (60°-80°)	447.5	10.4	B1/500		G0/660
BVH (80°-90°)	11.4	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





REPORT NUMBER: P631585

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	784.6	784.6	784.6	784.6	784.6	784.6	784.6	784.6	784.6	784.6	784.6
2.5°	779.1	779.8	781.3	782.4	783.8	785.3	786.0	784.6	783.8	780.9	784.2
5°	779.8	780.6	781.7	781.7	782.0	783.1	783.1	781.3	779.5	776.2	779.8
7.5°	778.7	779.5	779.8	779.5	779.8	780.2	779.5	777.3	775.5	772.6	775.5
10°	776.9	777.7	778.4	777.7	776.9	778.0	778.0	776.6	775.5	772.6	775.8
12.5°	780.9	782.0	782.4	780.6	779.8	780.2	780.2	778.7	778.7	776.2	779.8
15°	790.4	791.1	790.0	787.9	788.2	789.3	786.8	783.1	782.4	781.3	784.2
17.5°	797.7	798.4	797.3	795.9	798.4	801.0	796.2	789.3	787.1	786.4	789.7
20°	805.7	806.8	805.3	807.2	812.3	815.2	809.4	799.9	795.5	794.4	798.4
22.5°	818.8	820.3	820.3	824.3	831.9	836.7	829.4	816.6	810.1	808.3	812.3
25°	839.6	840.7	841.8	849.8	862.2	868.8	857.1	839.6	830.5	827.6	829.8
27.5°	868.4	870.2	872.0	883.7	899.0	908.5	891.7	869.8	858.6	852.7	857.1
30°	902.6	905.2	909.6	922.7	944.2	954.8	933.3	906.7	893.9	887.7	893.5
32.5°	949.3	949.7	952.9	967.5	995.9	1008.0	981.0	951.5	938.4	931.1	934.3
35°	1004.7	1005.0	999.9	1014.9	1045.5	1059.0	1027.3	997.4	986.5	984.3	992.7
37.5°	1061.5	1058.2	1053.1	1059.7	1090.7	1099.4	1065.9	1040.4	1035.7	1039.7	1052.1
40°	1102.0	1096.5	1086.3	1091.0	1122.4	1132.6	1096.9	1072.8	1071.4	1081.2	1096.1
42.5°	1128.2	1122.4	1110.4	1110.4	1131.9	1136.2	1108.5	1095.8	1099.1	1110.4	1124.6
45°	1141.0	1137.7	1130.8	1127.1	1139.1	1141.0	1119.8	1114.7	1120.9	1126.4	1137.3
47.5°	1150.8	1150.8	1148.6	1145.0	1150.4	1151.5	1135.9	1134.4	1142.4	1142.4	1149.7
50°	1168.3	1170.1	1173.0	1172.3	1178.1	1181.8	1170.1	1167.9	1171.2	1160.6	1164.3
52.5°	1214.2	1219.0	1227.3	1233.9	1248.8	1260.1	1239.4	1221.9	1204.7	1181.4	1182.1
55°	1296.6	1298.8	1315.2	1334.5	1359.6	1382.6	1339.9	1285.6	1248.5	1221.1	1221.5
57.5°	1366.2	1369.5	1393.5	1434.0	1490.4	1526.2	1431.8	1341.0	1288.6	1255.0	1256.1
60°	1306.0	1301.7	1347.2	1416.5	1518.9	1564.4	1425.2	1301.3	1225.9	1184.3	1187.2
62.5°	1010.5	1002.1	1052.8	1125.3	1248.1	1293.7	1165.4	1046.6	975.2	942.7	938.0
65°	615.1	607.5	643.9	688.4	771.5	800.2	741.6	678.5	616.2	596.5	591.1
67.5°	334.9	333.8	343.6	365.5	401.9	415.4	404.1	374.2	358.2	344.4	344.4
70°	265.7	263.5	261.6	262.0	265.3	267.1	267.5	266.0	267.8	268.2	266.7
72.5°	220.1	219.4	215.7	216.1	214.6	213.9	216.5	217.9	220.8	221.2	221.2
75°	159.6	157.8	159.6	160.0	158.5	158.5	160.3	160.0	161.4	162.2	158.2
77.5°	90.7	90.7	93.3	96.2	98.4	98.4	100.2	100.2	102.0	101.7	100.9
80°	49.9	49.9	51.4	53.2	55.4	57.6	59.4	59.8	60.9	60.5	59.4
82.5°	28.4	28.8	29.5	30.6	32.8	34.6	36.4	36.8	37.9	37.9	36.8
85°	13.5	13.1	13.5	14.2	15.3	16.8	18.6	19.7	20.4	20.4	19.7
87.5°	2.6	2.9	2.6	2.9	3.3	4.4	5.1	5.8	6.9	7.3	6.6
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)