

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: P631805

Luminaire Tested: GWS-SA2B-740-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P631805
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5828.4 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

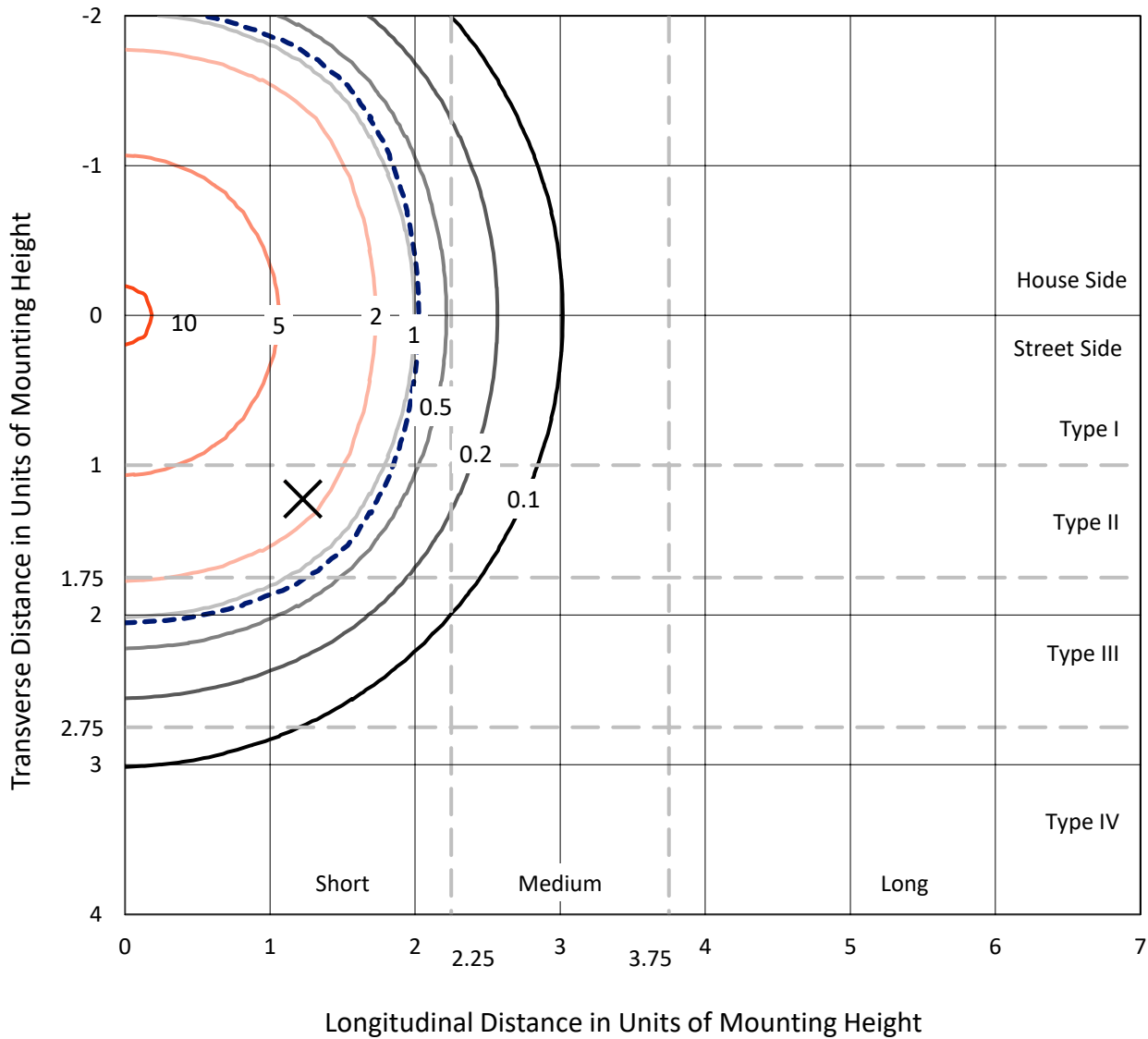
Input Watts (W): 46.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P631805
 CATALOG NUMBER: GWS-SA2B-740-U-5WQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

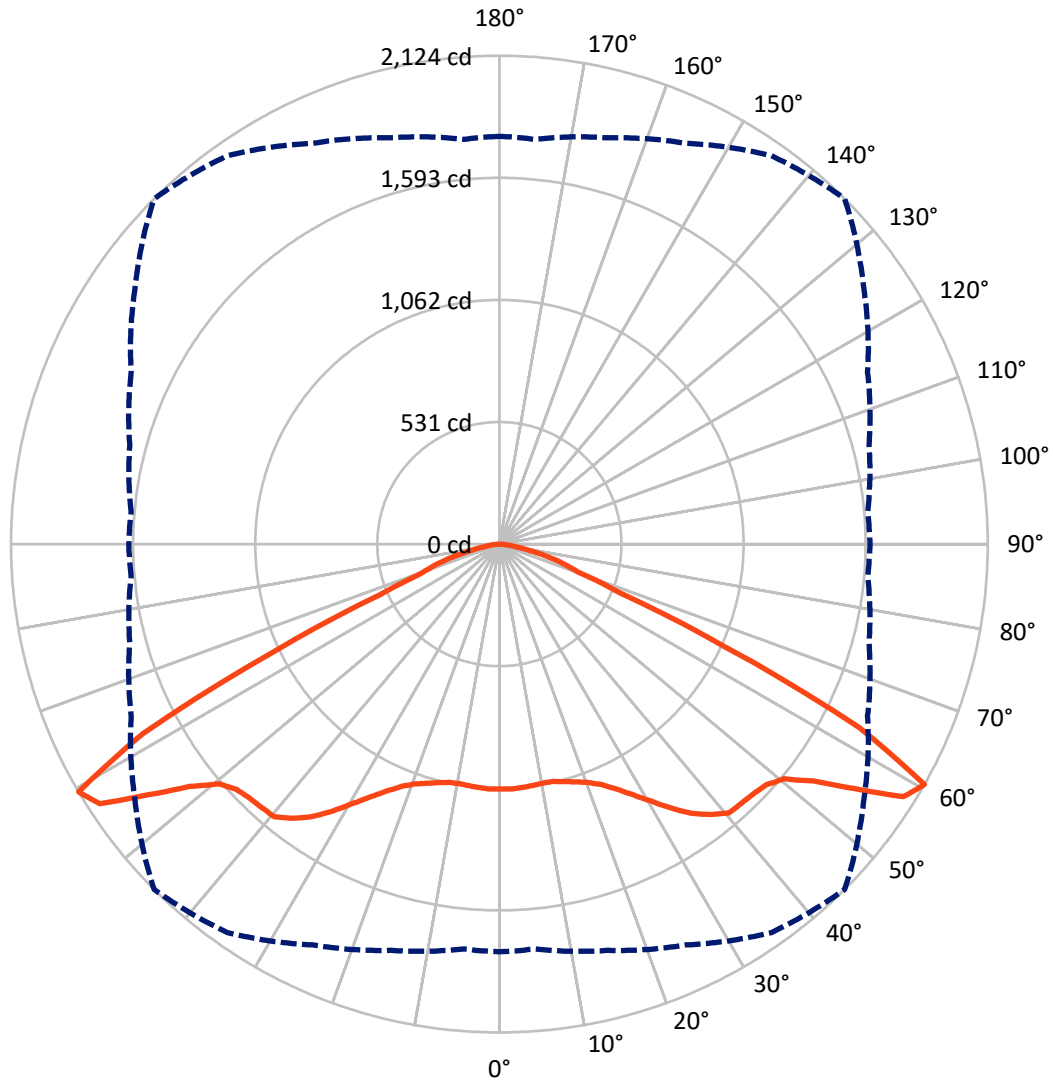
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type V - Short - N/A

REPORT NUMBER: P631805
CATALOG NUMBER: GWS-SA2B-740-U-5WQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P631805

CATALOG NUMBER: GWS-SA2B-740-U-5WQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2914.2	0.0	2914.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2914.2	0.0	2914.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	5828.4	0.0	5828.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.0	1.7
10°-20°	303.8	5.2
20°-30°	537.5	9.2
30°-40°	865.4	14.8
40°-50°	1189.5	20.4
50°-60°	1585.1	27.2
60°-70°	987.9	17.0
70°-80°	227.2	3.9
80°-90°	30.8	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°	5828.4	100.0
0°-180°	5828.4	100.0

Coefficient of Utilization



REPORT NUMBER: P631805

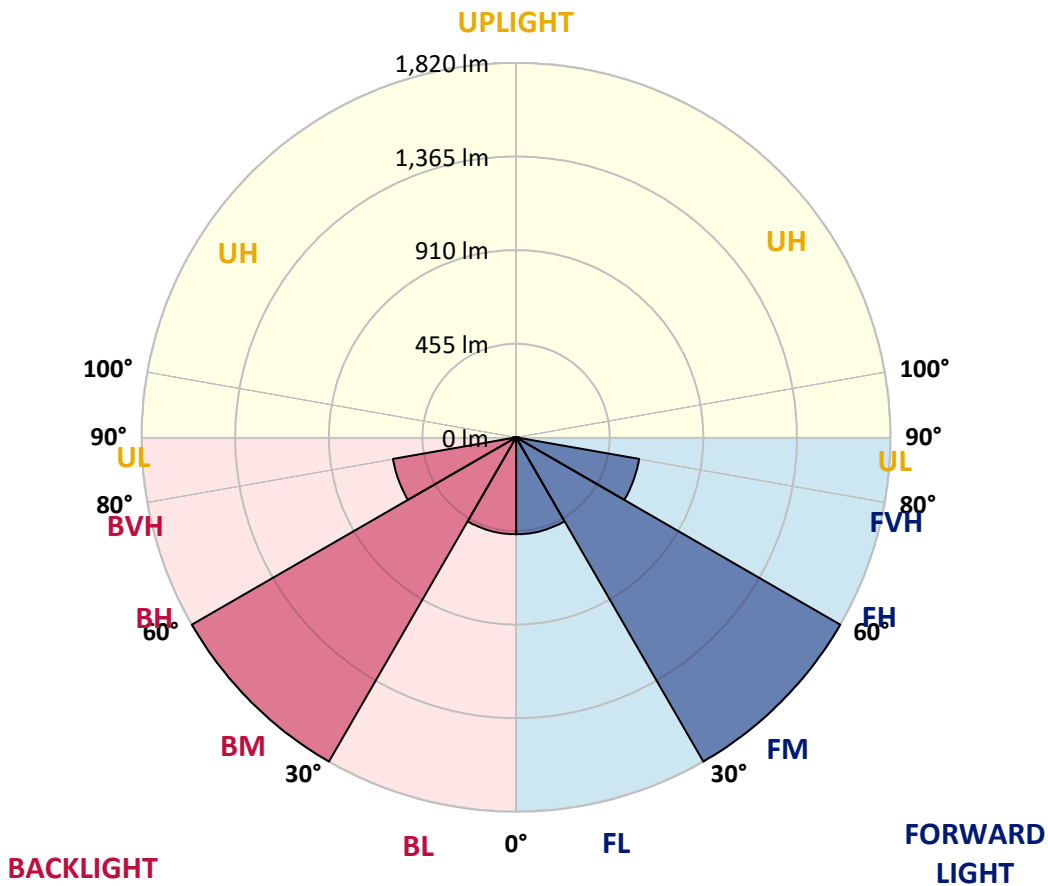
CATALOG NUMBER: GWS-SA2B-740-U-5WQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.2	8.1			
FM (30°-60°)	1820.0	31.2			
FH (60°-80°)	607.6	10.4			G0/660
FVH (80°-90°)	15.4	0.3			G1/100
BL (0°-30°)	471.2	8.1	B1/500		
BM (30°-60°)	1820.0	31.2	B2/2500		
BH (60°-80°)	607.6	10.4	B2/1000		G0/660
BVH (80°-90°)	15.4	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: P631805

CATALOG NUMBER: GWS-SA2B-740-U-5WQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1	1065.1
2.5°	1057.7	1058.7	1060.7	1062.2	1064.1	1066.1	1067.1	1065.1	1064.1	1060.2	1064.6
5°	1058.7	1059.7	1061.2	1061.2	1061.7	1063.2	1063.2	1060.7	1058.2	1053.8	1058.7
7.5°	1057.2	1058.2	1058.7	1058.2	1058.7	1059.2	1058.2	1055.2	1052.8	1048.8	1052.8
10°	1054.7	1055.7	1056.7	1055.7	1054.7	1056.2	1056.2	1054.2	1052.8	1048.8	1053.3
12.5°	1060.2	1061.7	1062.2	1059.7	1058.7	1059.2	1059.2	1057.2	1057.2	1053.8	1058.7
15°	1073.0	1074.0	1072.6	1069.6	1070.1	1071.6	1068.1	1063.2	1062.2	1060.7	1064.6
17.5°	1082.9	1083.9	1082.4	1080.5	1083.9	1087.4	1081.0	1071.6	1068.6	1067.6	1072.1
20°	1093.8	1095.3	1093.3	1095.8	1102.7	1106.7	1098.8	1085.9	1080.0	1078.5	1083.9
22.5°	1111.6	1113.6	1113.6	1119.1	1129.4	1135.9	1126.0	1108.7	1099.8	1097.3	1102.7
25°	1139.8	1141.3	1142.8	1153.7	1170.5	1179.4	1163.6	1139.8	1127.5	1123.5	1126.5
27.5°	1178.9	1181.4	1183.9	1199.7	1220.5	1233.3	1210.6	1180.9	1165.6	1157.6	1163.6
30°	1225.4	1228.9	1234.8	1252.6	1281.8	1296.2	1267.0	1230.9	1213.5	1205.1	1213.1
32.5°	1288.7	1289.2	1293.7	1313.5	1352.1	1368.4	1331.8	1291.7	1273.9	1264.0	1268.5
35°	1363.9	1364.4	1357.5	1377.8	1419.4	1437.7	1394.6	1354.0	1339.2	1336.2	1347.6
37.5°	1441.1	1436.7	1429.7	1438.6	1480.7	1492.6	1447.1	1412.4	1406.0	1411.4	1428.3
40°	1496.0	1488.6	1474.8	1481.2	1523.7	1537.6	1489.1	1456.5	1454.5	1467.8	1488.1
42.5°	1531.7	1523.7	1507.4	1507.4	1536.6	1542.5	1504.9	1487.6	1492.1	1507.4	1526.7
45°	1549.0	1544.5	1535.1	1530.2	1546.5	1549.0	1520.3	1513.3	1521.8	1529.2	1544.0
47.5°	1562.3	1562.3	1559.4	1554.4	1561.8	1563.3	1542.0	1540.1	1550.9	1550.9	1560.8
50°	1586.1	1588.5	1592.5	1591.5	1599.4	1604.4	1588.5	1585.6	1590.0	1575.7	1580.6
52.5°	1648.4	1654.8	1666.2	1675.1	1695.4	1710.7	1682.5	1658.8	1635.5	1603.9	1604.9
55°	1760.2	1763.2	1785.4	1811.7	1845.8	1877.0	1819.1	1745.4	1694.9	1657.8	1658.3
57.5°	1854.7	1859.2	1891.8	1946.7	2023.4	2071.9	1943.8	1820.6	1749.3	1703.8	1705.3
60°	1773.1	1767.1	1829.0	1923.0	2062.0	2123.8	1934.8	1766.6	1664.2	1607.8	1611.8
62.5°	1371.9	1360.5	1429.2	1527.7	1694.4	1756.3	1582.1	1420.8	1323.9	1279.8	1273.4
65°	835.1	824.7	874.2	934.5	1047.3	1086.4	1006.8	921.2	836.6	809.9	802.4
67.5°	454.6	453.2	466.5	496.2	545.7	564.0	548.6	508.1	486.3	467.5	467.5
70°	360.7	357.7	355.2	355.7	360.2	362.6	363.1	361.1	363.6	364.1	362.1
72.5°	298.8	297.8	292.9	293.4	291.4	290.4	293.9	295.8	299.8	300.3	300.3
75°	216.7	214.2	216.7	217.2	215.2	215.2	217.7	217.2	219.2	220.2	214.7
77.5°	123.2	123.2	126.6	130.6	133.6	133.6	136.0	136.0	138.5	138.0	137.0
80°	67.8	67.8	69.8	72.2	75.2	78.2	80.6	81.1	82.6	82.1	80.6
82.5°	38.6	39.1	40.1	41.6	44.5	47.0	49.5	50.0	51.5	51.5	50.0
85°	18.3	17.8	18.3	19.3	20.8	22.8	25.2	26.7	27.7	27.7	26.7
87.5°	3.5	4.0	3.5	4.0	4.5	5.9	6.9	7.9	9.4	9.9	8.9
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)