

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: P634220

Luminaire Tested: GWS-SA3B-735-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634220
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-735-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10624.1 lumens
Efficiency: N/A
Efficacy: 155.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G2

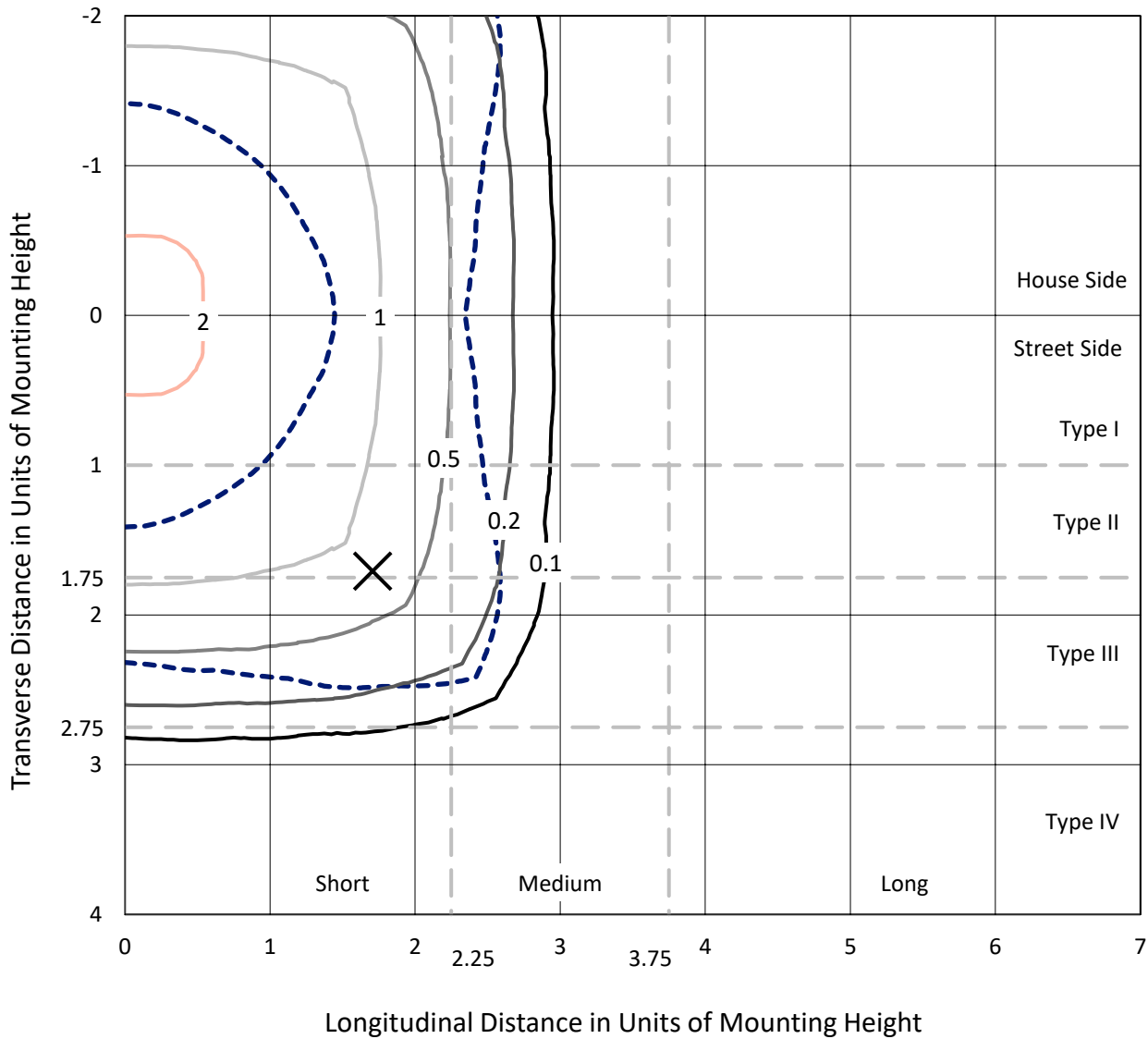
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634220
 CATALOG NUMBER: GWS-SA3B-735-U-5MQ-W

Iso-Footcandle Lines of Horizontal Illumination

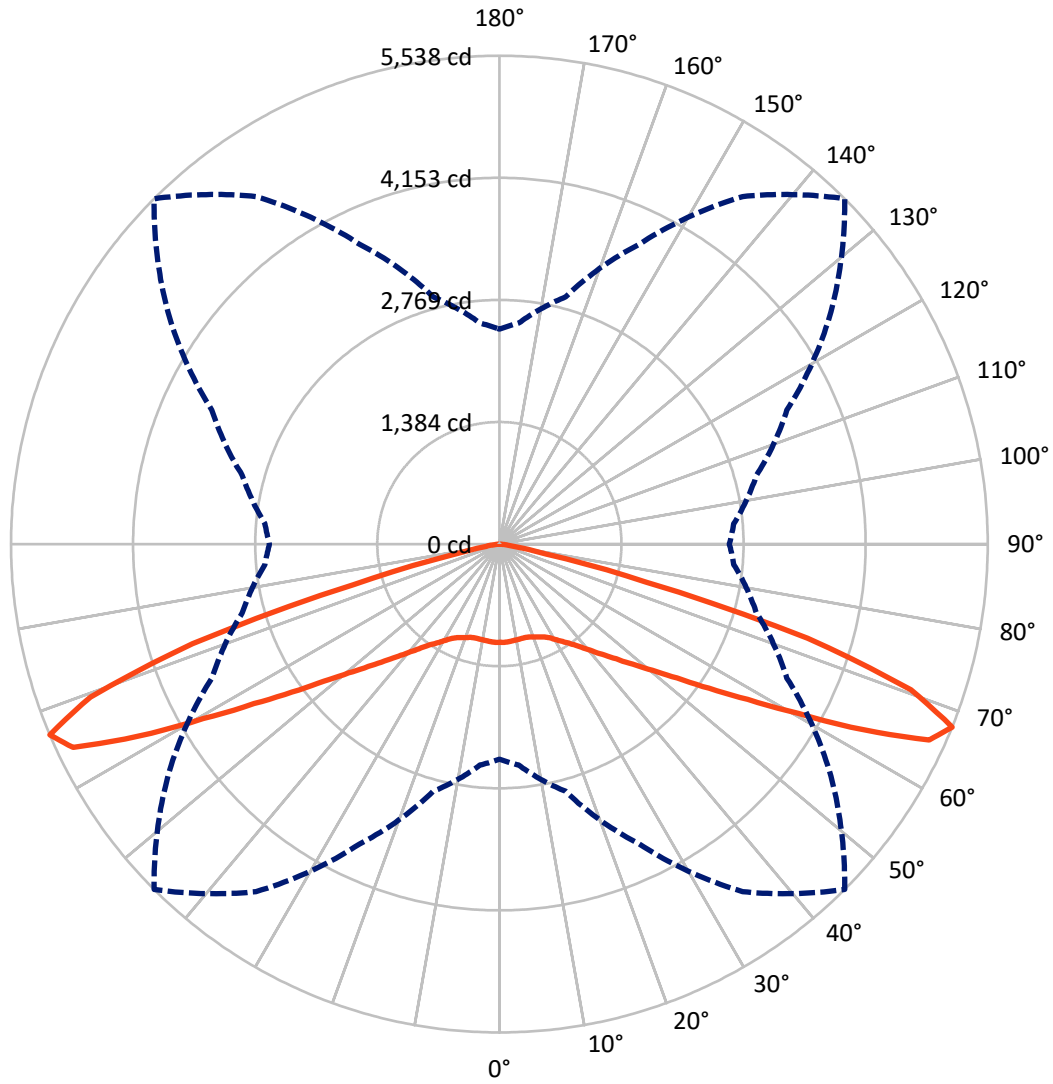
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

REPORT NUMBER: P634220
CATALOG NUMBER: GWS-SA3B-735-U-5MQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P634220

CATALOG NUMBER: GWS-SA3B-735-U-5MQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5312.1	0.0	5312.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5312.1	0.0	5312.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	10624.1	0.0	10624.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	105.3	1.0
10°-20°	309.3	2.9
20°-30°	533.5	5.0
30°-40°	867.4	8.2
40°-50°	1460.6	13.7
50°-60°	2587.9	24.4
60°-70°	3699.2	34.8
70°-80°	1015.3	9.6
80°-90°	45.5	0.4
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°	10624.1	100.0
0°-180°	10624.1	100.0

Coefficient of Utilization



REPORT NUMBER: P634220

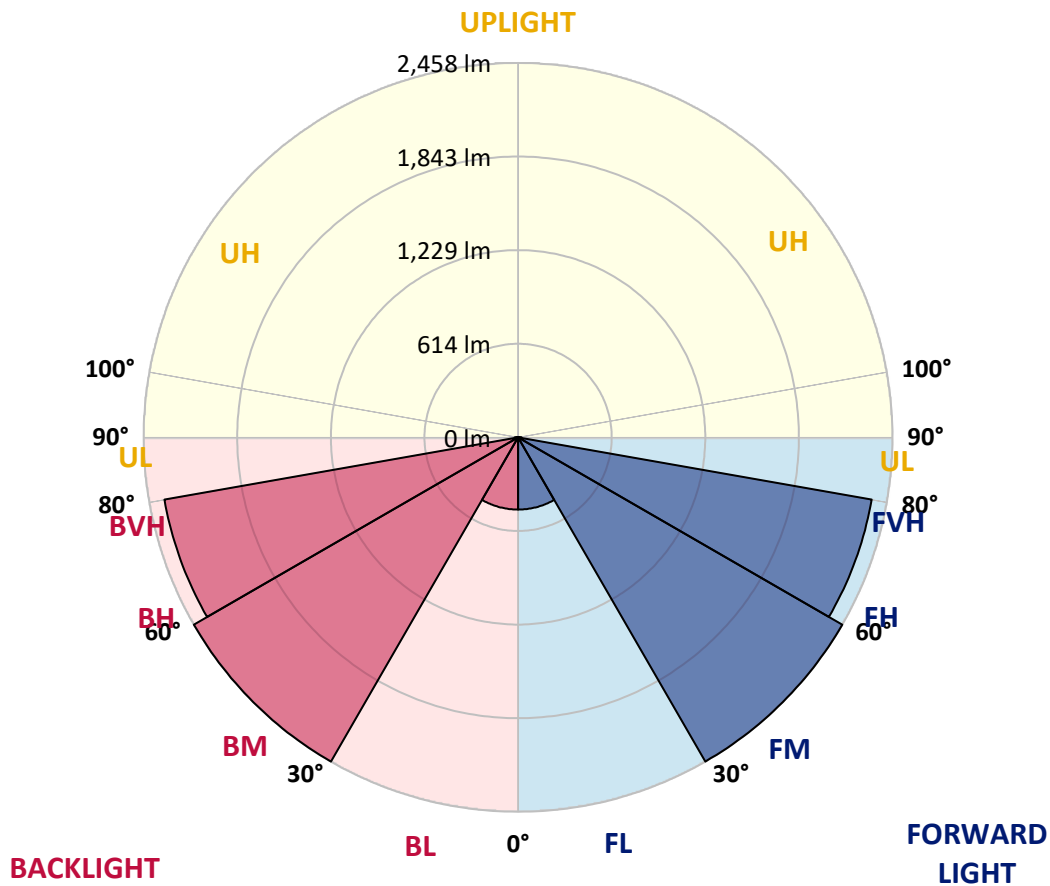
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	474.0	4.5			
FM (30°-60°)	2458.0	23.1			
FH (60°-80°)	2357.3	22.2			G2/5000
FVH (80°-90°)	22.7	0.2			G1/100
BL (0°-30°)	474.0	4.5	B1/500		
BM (30°-60°)	2458.0	23.1	B2/2500		
BH (60°-80°)	2357.3	22.2	B3/2500		G2/5000
BVH (80°-90°)	22.7	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7	1112.7
2.5°	1105.3	1104.6	1108.3	1110.5	1109.7	1114.9	1114.2	1112.7	1112.7	1110.5	1116.4
5°	1105.3	1104.6	1107.5	1108.3	1106.8	1111.2	1109.7	1108.3	1108.3	1105.3	1110.5
7.5°	1099.4	1100.2	1102.4	1103.9	1102.4	1106.1	1103.9	1100.9	1100.2	1097.2	1102.4
10°	1088.4	1089.2	1091.4	1095.0	1095.8	1102.4	1098.7	1093.6	1091.4	1088.4	1093.6
12.5°	1081.8	1082.5	1084.7	1089.2	1090.6	1099.4	1095.8	1087.7	1084.0	1081.1	1086.2
15°	1080.3	1081.1	1084.0	1088.4	1090.6	1099.4	1095.8	1086.2	1081.1	1077.4	1081.8
17.5°	1080.3	1081.8	1086.2	1092.8	1097.2	1106.1	1101.7	1090.6	1083.3	1076.7	1081.1
20°	1081.1	1083.3	1089.9	1099.4	1110.5	1123.0	1117.1	1102.4	1092.1	1084.0	1086.9
22.5°	1087.7	1091.4	1099.4	1112.0	1128.1	1142.8	1137.7	1117.8	1103.1	1092.1	1095.0
25°	1110.5	1112.0	1122.2	1138.4	1153.9	1166.4	1161.2	1142.8	1124.5	1111.2	1114.9
27.5°	1150.9	1154.6	1163.4	1180.3	1193.6	1200.2	1199.5	1187.0	1168.6	1156.8	1159.8
30°	1199.5	1203.1	1214.9	1234.0	1247.3	1254.6	1252.4	1242.9	1225.9	1209.8	1212.7
32.5°	1256.1	1257.6	1271.5	1292.9	1306.8	1317.9	1310.5	1300.2	1278.9	1259.8	1261.2
35°	1328.2	1330.4	1345.1	1364.9	1376.0	1384.8	1383.3	1373.0	1350.2	1329.6	1334.8
37.5°	1418.6	1420.1	1433.3	1458.3	1467.2	1473.8	1475.2	1470.1	1446.6	1420.1	1425.2
40°	1531.1	1531.9	1546.6	1568.6	1578.2	1582.6	1583.4	1584.1	1559.8	1540.0	1538.5
42.5°	1662.0	1665.7	1686.3	1707.6	1712.1	1709.8	1717.2	1724.6	1701.0	1673.8	1676.0
45°	1818.7	1820.9	1848.8	1872.4	1864.3	1856.9	1870.9	1885.6	1864.3	1829.0	1818.7
47.5°	2004.0	2008.4	2038.6	2062.1	2048.9	2035.6	2058.4	2073.9	2039.3	2001.8	1992.2
50°	2213.6	2216.5	2259.2	2288.6	2273.2	2248.9	2277.6	2293.8	2247.4	2201.1	2180.5
52.5°	2461.4	2455.6	2512.2	2563.7	2554.1	2522.5	2546.0	2549.0	2479.8	2414.4	2393.8
55°	2763.7	2757.8	2814.4	2871.1	2894.6	2886.5	2875.5	2857.8	2755.6	2685.7	2666.6
57.5°	3116.0	3097.6	3177.0	3253.5	3305.0	3319.7	3272.6	3231.4	3150.5	3064.5	3042.4
60°	3443.2	3442.5	3568.2	3700.6	3841.8	3900.7	3781.5	3669.7	3488.1	3331.4	3299.8
62.5°	3535.2	3550.6	3756.5	4084.5	4433.1	4641.2	4327.2	3957.3	3606.5	3370.4	3328.5
65°	3308.6	3346.9	3639.6	4157.3	4845.7	5354.6	4645.6	3963.9	3474.8	3180.7	3136.6
67.5°	2438.6	2515.1	2902.7	3751.4	4810.4	5537.7	4589.0	3596.9	3018.2	2668.1	2607.1
70°	1203.1	1276.0	1583.4	2468.1	3958.0	4950.1	3970.5	2710.8	2038.6	1701.8	1645.9
72.5°	442.7	472.1	592.7	1056.1	2184.2	3656.5	2715.2	1514.2	987.7	786.2	748.7
75°	216.9	222.1	240.5	354.5	806.0	1720.9	1276.0	581.0	363.3	316.2	305.9
77.5°	138.3	140.5	149.3	169.1	258.9	542.0	386.8	229.5	178.0	170.6	170.6
80°	77.2	79.4	91.2	105.2	121.3	186.1	139.0	137.5	116.9	102.2	100.0
82.5°	36.8	40.4	58.1	57.4	64.0	93.4	81.6	74.3	75.0	56.6	53.7
85°	16.9	16.9	22.8	27.2	28.7	31.6	37.5	42.7	41.9	28.7	30.9
87.5°	8.1	8.1	8.1	7.4	6.6	5.9	8.1	13.2	19.1	13.2	12.5
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)