

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: P633729

Luminaire Tested: GWS-SA2F-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P633729
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-SA2F-735-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) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8420.2 lumens
Efficiency: N/A
Efficacy: 67.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

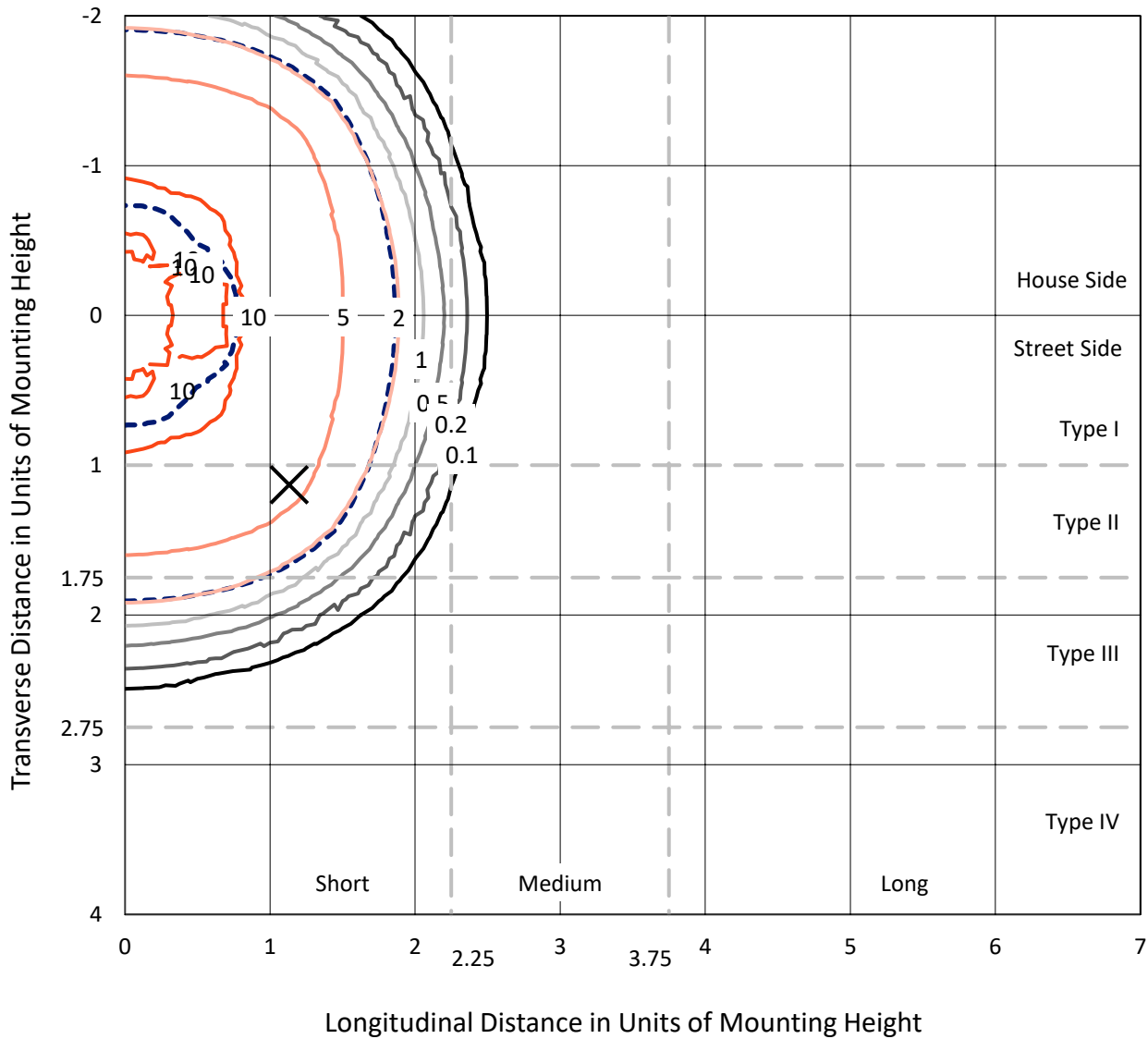
Input Watts (W): 124.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P633729
 CATALOG NUMBER: GWS-SA2F-735-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

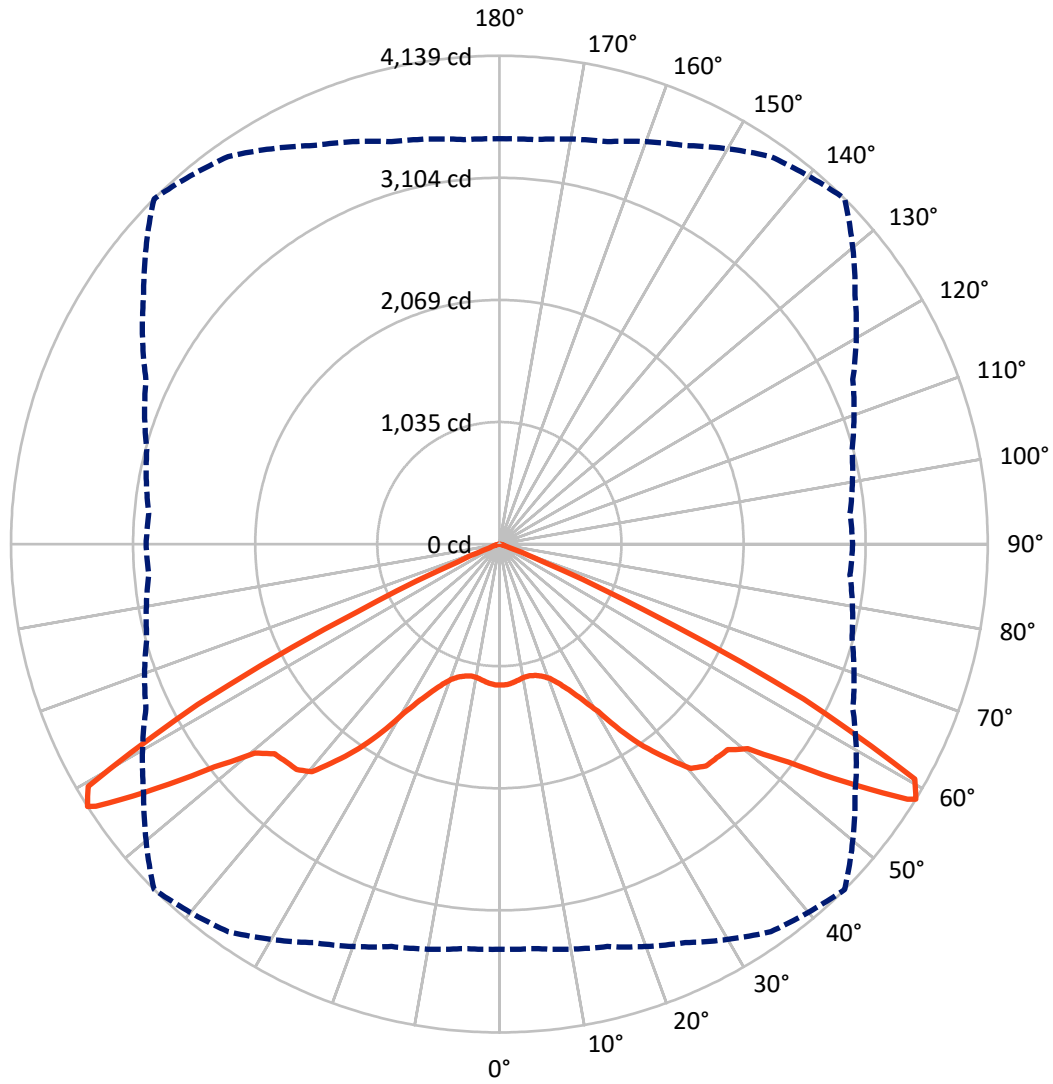
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 11.9 fc
 Type V - Short - N/A

REPORT NUMBER: P633729
CATALOG NUMBER: GWS-SA2F-735-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P633729

CATALOG NUMBER: GWS-SA2F-735-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4210.1	0.0	4210.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4210.1	0.0	4210.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	8420.2	0.0	8420.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.4	1.3
10°-20°	329.7	3.9
20°-30°	623.5	7.4
30°-40°	1229.6	14.6
40°-50°	1945.9	23.1
50°-60°	2860.3	34.0
60°-70°	1276.7	15.2
70°-80°	42.8	0.5
80°-90°	0.3	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°	8420.2	100.0
0°-180°	8420.2	100.0

Coefficient of Utilization



REPORT NUMBER: P633729

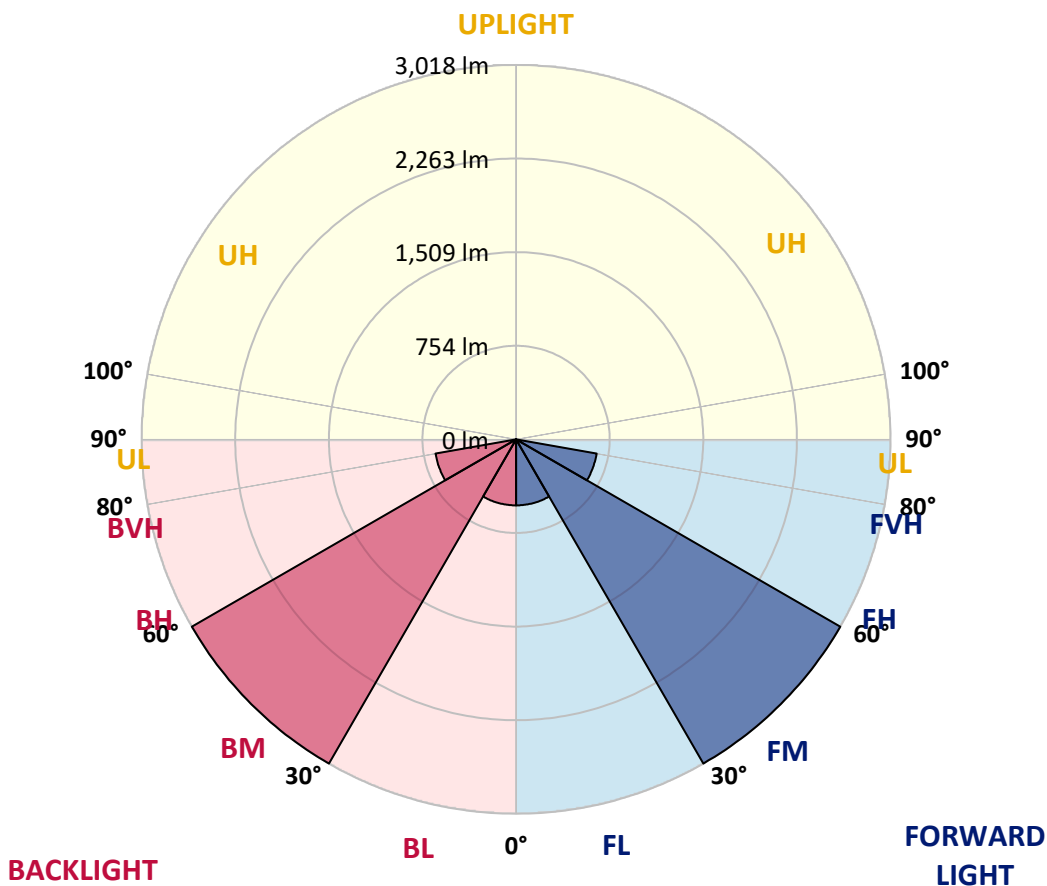
CATALOG NUMBER: GWS-SA2F-735-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	532.3	6.3			
FM (30°-60°)	3017.9	35.8			
FH (60°-80°)	659.8	7.8			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	532.3	6.3	B2/1000		
BM (30°-60°)	3017.9	35.8	B3/5000		
BH (60°-80°)	659.8	7.8	B2/1000		G0/660
BVH (80°-90°)	0.2	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P633729

CATALOG NUMBER: GWS-SA2F-735-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1	1194.1
2.5°	1182.6	1184.9	1187.2	1188.4	1189.5	1192.9	1194.1	1190.7	1190.7	1183.8	1191.8
5°	1176.9	1179.2	1181.5	1180.3	1180.3	1180.3	1179.2	1174.6	1173.4	1166.6	1174.6
7.5°	1166.6	1168.9	1168.9	1165.4	1163.1	1163.1	1162.0	1156.2	1155.1	1148.2	1156.2
10°	1158.5	1159.7	1158.5	1151.7	1147.1	1147.1	1145.9	1143.6	1144.8	1140.2	1147.1
12.5°	1163.1	1164.3	1159.7	1150.5	1144.8	1143.6	1140.2	1136.7	1140.2	1139.0	1145.9
15°	1178.0	1179.2	1171.2	1159.7	1155.1	1155.1	1145.9	1136.7	1141.3	1142.5	1150.5
17.5°	1196.4	1196.4	1186.1	1175.7	1176.9	1176.9	1162.0	1145.9	1147.1	1151.7	1159.7
20°	1218.2	1218.2	1207.9	1205.6	1213.6	1214.7	1196.4	1171.2	1165.4	1168.9	1178.0
22.5°	1257.2	1257.2	1249.2	1254.9	1273.2	1279.0	1251.4	1215.9	1202.1	1204.4	1213.6
25°	1318.0	1318.0	1315.7	1329.5	1355.8	1368.5	1331.7	1284.7	1261.8	1258.3	1268.7
27.5°	1420.1	1421.2	1417.8	1438.4	1471.7	1486.6	1436.1	1374.2	1346.7	1340.9	1351.2
30°	1552.0	1552.0	1553.1	1581.8	1625.4	1644.9	1578.4	1506.1	1474.0	1455.6	1469.4
32.5°	1698.8	1701.1	1712.6	1760.7	1837.6	1877.7	1780.2	1679.3	1627.7	1608.2	1623.1
35°	1940.8	1919.0	1905.3	1940.8	2052.1	2104.9	1979.8	1861.7	1822.7	1820.4	1858.2
37.5°	2180.6	2168.0	2139.3	2176.0	2275.8	2299.9	2162.2	2063.6	2036.0	2051.0	2088.8
40°	2371.0	2348.0	2310.2	2344.6	2475.4	2499.5	2329.7	2232.2	2221.9	2255.1	2306.8
42.5°	2521.3	2489.1	2438.7	2446.7	2552.2	2569.4	2419.2	2345.8	2352.6	2393.9	2452.4
45°	2588.9	2563.7	2519.0	2515.5	2582.0	2583.2	2465.0	2427.2	2445.5	2477.7	2523.5
47.5°	2617.6	2606.1	2580.9	2575.2	2613.0	2603.8	2530.4	2514.4	2531.6	2540.8	2567.1
50°	2688.7	2688.7	2692.2	2696.8	2735.8	2726.6	2675.0	2656.6	2634.8	2602.7	2610.7
52.5°	2888.3	2896.3	2929.6	2966.3	3037.4	3067.3	2983.5	2876.8	2772.5	2702.5	2702.5
55°	3248.5	3256.5	3295.5	3357.5	3488.2	3559.3	3364.3	3129.2	2985.8	2890.6	2903.2
57.5°	3446.9	3456.1	3536.4	3703.9	3957.4	4077.8	3659.1	3310.4	3109.7	3000.7	3009.9
58°	3434.3	3440.1	3530.7	3726.8	4009.0	4138.6	3679.8	3304.7	3093.6	2982.4	2993.8
60°	3051.2	3043.2	3187.7	3467.6	3865.6	4044.6	3474.5	3016.8	2771.3	2657.8	2663.5
62.5°	1994.7	1999.3	2124.4	2416.9	2726.6	2895.2	2427.2	2086.5	1889.2	1820.4	1803.2
65°	832.8	817.9	894.7	1057.6	1243.4	1337.5	1149.4	972.7	851.1	805.2	817.9
67.5°	214.5	208.8	213.4	267.3	326.9	386.6	324.6	247.8	215.6	217.9	217.9
70°	121.6	114.7	92.9	86.0	83.7	83.7	83.7	83.7	96.4	113.6	117.0
72.5°	91.8	86.0	67.7	58.5	51.6	48.2	50.5	58.5	70.0	84.9	87.2
75°	45.9	45.9	41.3	39.0	34.4	32.1	33.3	36.7	42.4	48.2	47.0
77.5°	9.2	10.3	11.5	13.8	11.5	11.5	11.5	13.8	13.8	14.9	13.8
80°	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1	1.1
82.5°	0.0	1.1	1.1	0.0	0.0	0.0	0.0	1.1	1.1	1.1	1.1
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.1	1.1
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)