

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: P629765

Luminaire Tested: GWS-SA1C-735-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629765
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-SA1C-735-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2896.5 lumens
Efficiency: N/A
Efficacy: 84.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

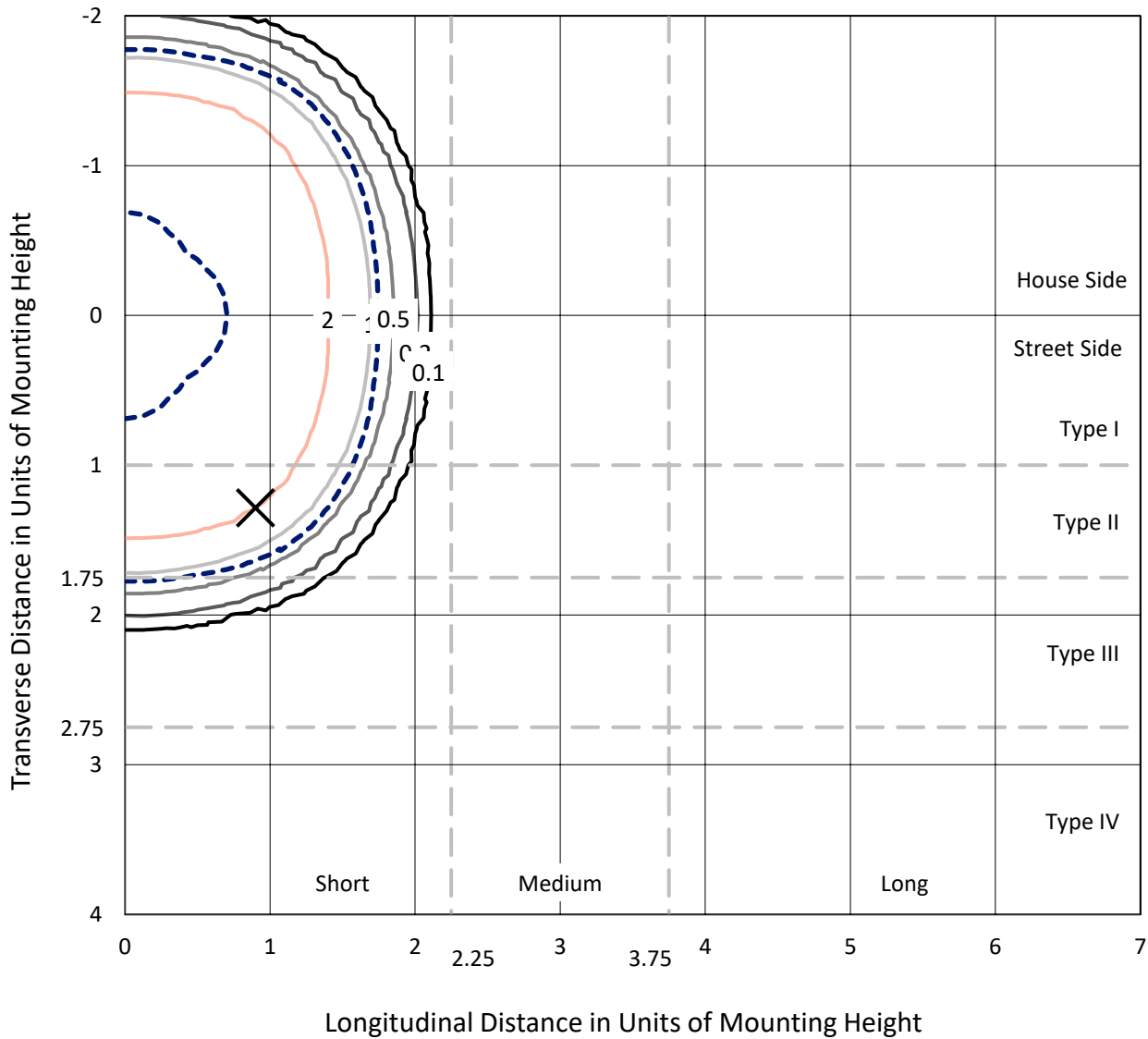
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629765
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Iso-Footcandle Lines of Horizontal Illumination

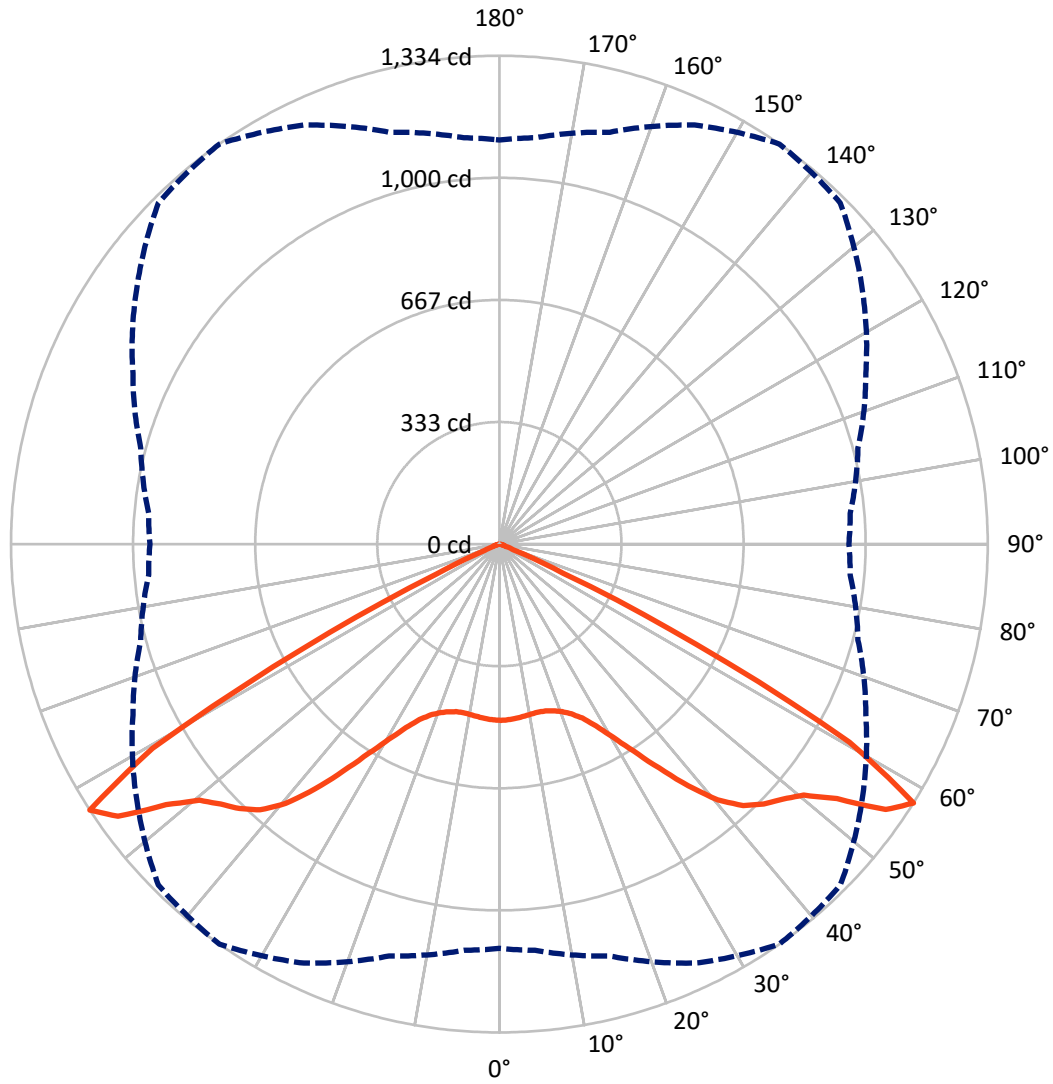
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.8 fc
 Type V - Short - N/A

REPORT NUMBER: P629765
CATALOG NUMBER: GWS-SA1C-735-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629765

CATALOG NUMBER: GWS-SA1C-735-U-5MQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1448.2	0.0	1448.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1448.2	0.0	1448.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2896.5	0.0	2896.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	45.4	1.6
10°-20°	133.5	4.6
20°-30°	241.2	8.3
30°-40°	450.1	15.5
40°-50°	755.0	26.1
50°-60°	997.0	34.4
60°-70°	264.8	9.1
70°-80°	9.4	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°	2896.5	100.0
0°-180°	2896.5	100.0

Coefficient of Utilization



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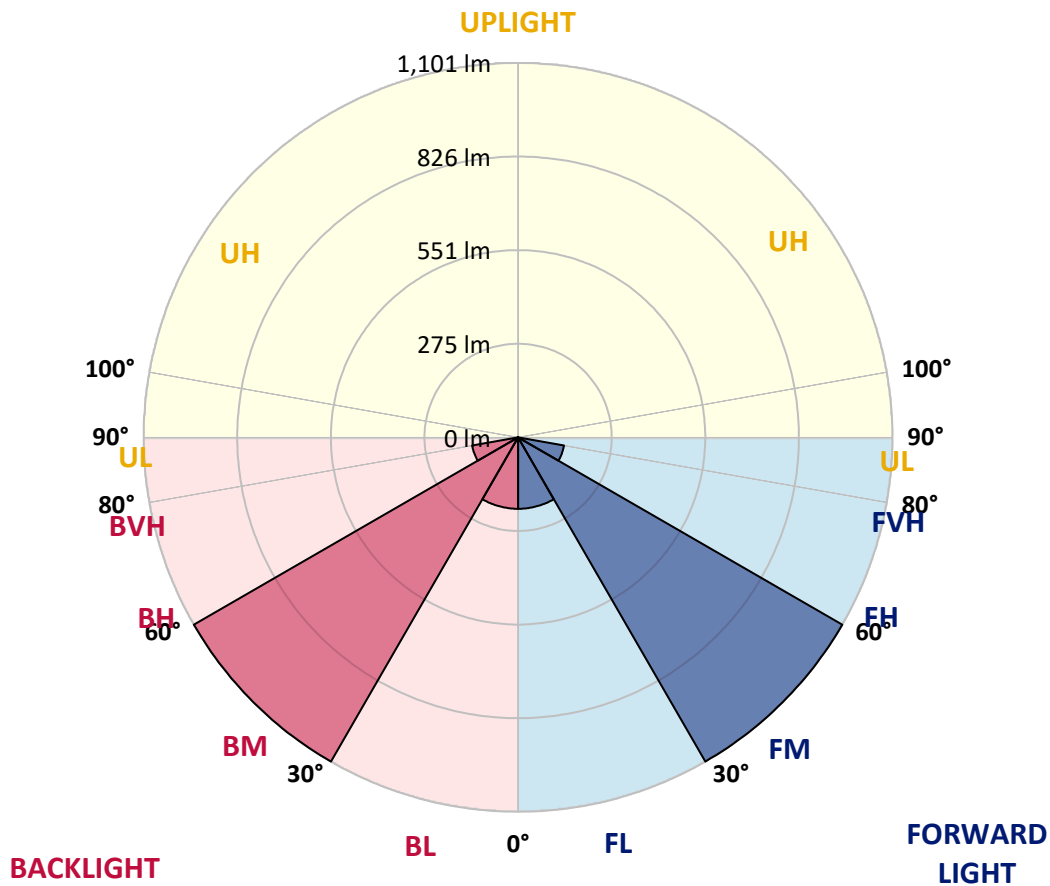
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	210.0	7.3			
FM (30°-60°)	1101.0	38.0			
FH (60°-80°)	137.1	4.7			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	210.0	7.3	B1/500		
BM (30°-60°)	1101.0	38.0	B2/2500		
BH (60°-80°)	137.1	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: P629765

CATALOG NUMBER: GWS-SA1C-735-U-5MQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6	481.6
2.5°	478.2	477.8	479.2	480.2	480.2	482.6	481.9	481.2	480.5	479.5	481.9
5°	477.5	477.2	478.2	478.9	478.2	480.2	478.9	477.5	476.8	475.5	478.2
7.5°	474.4	474.8	475.5	476.1	475.1	476.8	475.1	473.1	471.4	470.0	472.4
10°	469.7	470.0	470.7	472.1	472.4	474.8	472.4	468.7	466.3	464.2	466.6
12.5°	467.3	467.6	468.7	470.4	470.7	473.8	470.7	465.3	461.9	459.5	461.9
15°	468.0	468.7	470.0	472.1	472.7	475.8	471.7	464.6	459.8	456.8	458.8
17.5°	470.4	471.0	473.1	476.5	478.9	481.9	476.8	467.6	461.2	456.8	458.8
20°	473.4	474.4	477.8	483.3	488.4	493.8	487.3	474.8	466.3	460.8	462.5
22.5°	481.9	482.9	487.7	494.8	503.3	510.1	502.3	486.3	474.8	467.6	469.3
25°	499.2	500.3	506.4	515.6	526.4	535.3	525.4	505.4	490.4	482.2	482.9
27.5°	526.4	527.4	534.6	547.5	562.1	574.7	560.4	537.0	520.0	510.5	510.5
30°	560.8	562.1	571.6	589.0	611.7	628.4	609.0	580.5	558.7	545.8	546.1
32.5°	604.9	603.6	617.2	641.0	673.2	695.3	666.8	632.1	605.3	587.3	589.0
35°	661.7	661.4	676.6	708.9	751.1	777.6	743.6	698.7	666.4	648.1	648.4
37.5°	734.8	734.4	752.1	787.1	837.7	859.8	821.8	776.2	741.6	723.9	725.9
40°	820.4	818.4	834.0	867.6	918.3	932.6	891.1	854.4	821.1	809.9	815.3
42.5°	902.0	897.5	906.7	937.3	976.4	978.4	947.2	922.0	899.2	890.4	893.8
45°	967.6	964.2	972.7	990.3	1012.8	1002.6	987.6	979.8	961.4	951.9	955.0
47.5°	1016.5	1016.5	1026.7	1037.6	1041.0	1022.3	1024.7	1024.7	1006.3	991.3	987.6
50°	1058.6	1061.7	1077.0	1088.2	1077.0	1053.2	1066.8	1064.1	1026.7	996.8	989.0
52.5°	1125.9	1129.0	1152.4	1167.7	1155.2	1131.7	1133.4	1099.4	1044.4	1009.0	996.8
55°	1197.3	1204.8	1238.8	1279.5	1279.9	1255.8	1210.9	1150.7	1083.8	1045.4	1032.8
57.5°	1103.8	1114.0	1164.7	1262.9	1333.9	1317.3	1210.2	1104.5	1014.1	961.8	954.6
60°	759.6	777.2	827.9	962.1	1099.1	1105.5	979.1	860.5	756.8	692.3	693.6
62.5°	320.8	338.8	367.4	477.8	603.6	611.4	550.2	465.3	380.6	334.1	341.2
65°	75.4	80.5	89.0	132.2	191.7	200.5	184.9	144.1	106.4	90.1	91.8
67.5°	33.0	33.6	31.9	34.0	42.1	43.2	41.8	36.7	34.7	35.3	35.3
70°	23.1	23.4	22.1	21.1	20.1	18.7	19.4	21.4	23.1	24.5	24.1
72.5°	14.3	14.6	15.0	15.0	13.9	12.6	13.3	14.6	15.0	15.3	15.0
75°	7.1	7.5	8.2	8.5	8.2	7.8	7.8	8.2	8.2	7.8	7.8
77.5°	1.4	1.7	2.4	2.7	2.7	2.7	2.7	2.7	3.1	2.7	2.7
80°	0.3	0.3	0.7	0.3	0.3	0.3	0.3	0.3	0.3	0.7	0.7
82.5°	0.3	0.3	0.3	0.3	0.0	0.0	0.3	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3	0.3
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)