

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: P629277

Luminaire Tested: GWS-SA1B-735-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629277
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-SA1B-735-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2985.4 lumens
Efficiency: N/A
Efficacy: 119.4 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

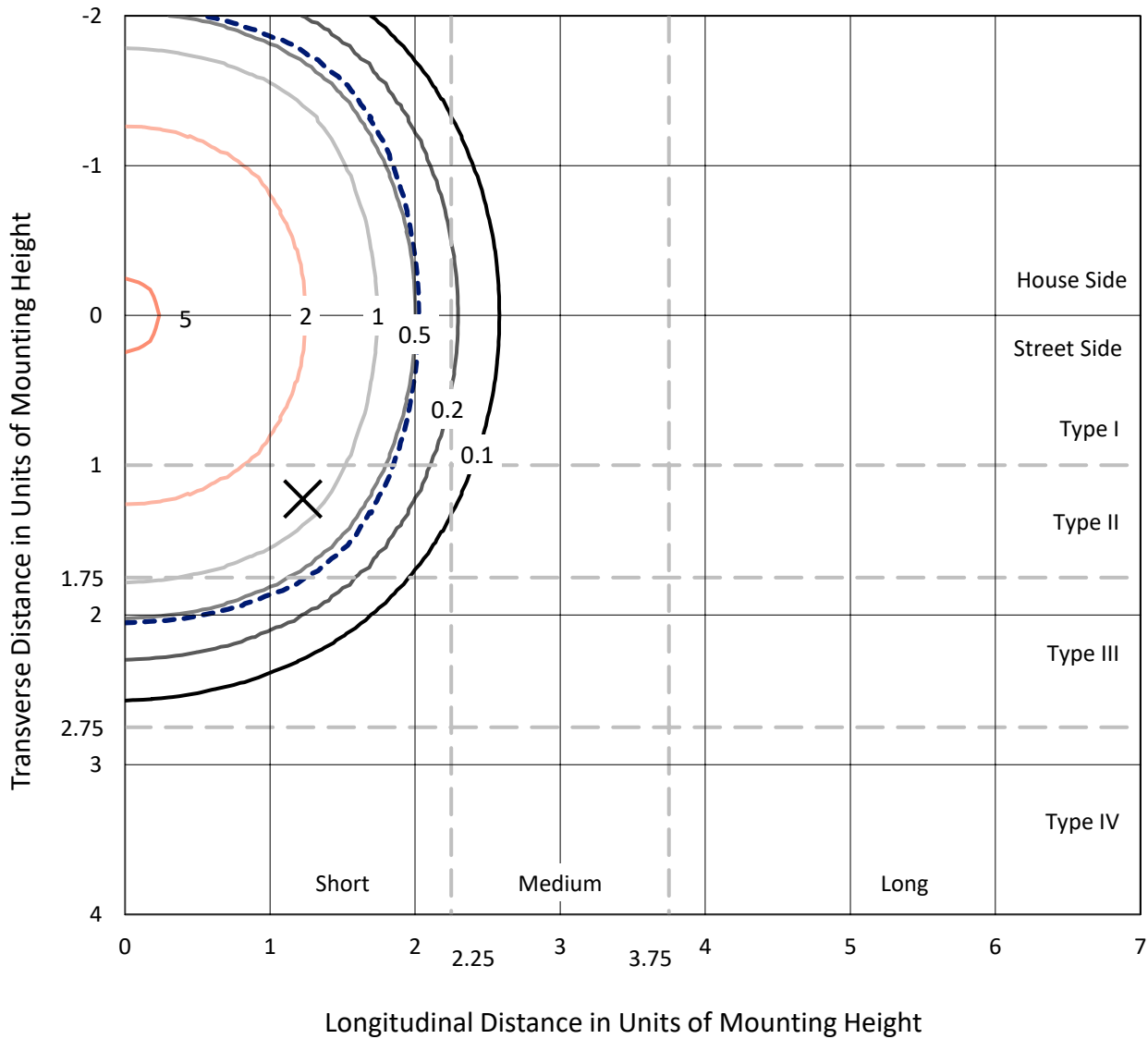
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

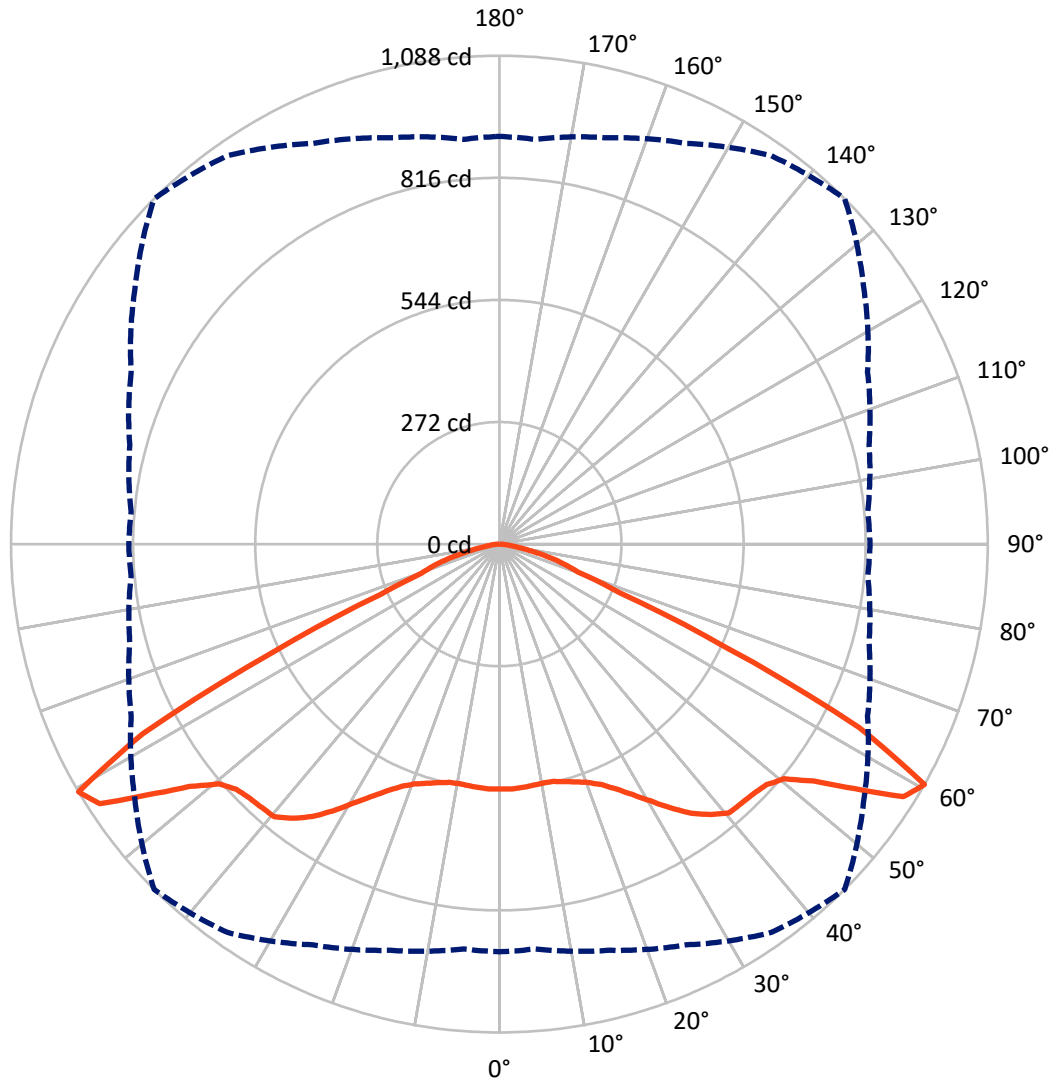
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1492.7	0.0	1492.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1492.7	0.0	1492.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	2985.4	0.0	2985.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	51.7	1.7
10°-20°	155.6	5.2
20°-30°	275.3	9.2
30°-40°	443.3	14.8
40°-50°	609.3	20.4
50°-60°	811.9	27.2
60°-70°	506.0	17.0
70°-80°	116.4	3.9
80°-90°	15.8	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°	2985.4	100.0
0°-180°	2985.4	100.0

Coefficient of Utilization





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6	545.6
2.5°	541.8	542.3	543.3	544.1	545.1	546.1	546.6	545.6	545.1	543.0	545.3
5°	542.3	542.8	543.6	543.6	543.8	544.6	544.6	543.3	542.0	539.7	542.3
7.5°	541.5	542.0	542.3	542.0	542.3	542.5	542.0	540.5	539.2	537.2	539.2
10°	540.3	540.8	541.3	540.8	540.3	541.0	541.0	540.0	539.2	537.2	539.5
12.5°	543.0	543.8	544.1	542.8	542.3	542.5	542.5	541.5	541.5	539.7	542.3
15°	549.6	550.1	549.4	547.9	548.1	548.9	547.1	544.6	544.1	543.3	545.3
17.5°	554.7	555.2	554.4	553.4	555.2	557.0	553.7	548.9	547.4	546.8	549.1
20°	560.3	561.0	560.0	561.3	564.8	566.9	562.8	556.2	553.2	552.4	555.2
22.5°	569.4	570.4	570.4	573.2	578.5	581.8	576.7	567.9	563.3	562.0	564.8
25°	583.8	584.6	585.4	590.9	599.6	604.1	596.0	583.8	577.5	575.5	577.0
27.5°	603.9	605.1	606.4	614.5	625.1	631.7	620.1	604.9	597.0	593.0	596.0
30°	627.7	629.5	632.5	641.6	656.6	663.9	649.0	630.5	621.6	617.3	621.3
32.5°	660.1	660.4	662.6	672.8	692.6	700.9	682.2	661.6	652.5	647.4	649.7
35°	698.6	698.9	695.3	705.7	727.0	736.4	714.3	693.6	686.0	684.4	690.3
37.5°	738.2	735.9	732.3	736.9	758.4	764.5	741.2	723.5	720.2	723.0	731.6
40°	766.3	762.5	755.4	758.7	780.5	787.6	762.7	746.0	745.0	751.8	762.2
42.5°	784.5	780.5	772.1	772.1	787.1	790.1	770.9	762.0	764.3	772.1	782.0
45°	793.4	791.1	786.3	783.8	792.1	793.4	778.7	775.2	779.5	783.3	790.9
47.5°	800.2	800.2	798.7	796.2	800.0	800.8	789.9	788.8	794.4	794.4	799.5
50°	812.4	813.7	815.7	815.2	819.3	821.8	813.7	812.2	814.4	807.1	809.6
52.5°	844.3	847.6	853.5	858.0	868.4	876.3	861.8	849.7	837.8	821.5	822.0
55°	901.6	903.1	914.5	928.0	945.4	961.4	931.8	894.0	868.2	849.2	849.4
57.5°	950.0	952.3	969.0	997.1	1036.4	1061.3	995.6	932.5	896.0	872.7	873.5
60°	908.2	905.2	936.8	985.0	1056.2	1087.9	991.1	904.9	852.4	823.6	825.6
62.5°	702.7	696.9	732.1	782.5	867.9	899.6	810.4	727.8	678.1	655.6	652.3
65°	427.7	422.4	447.8	478.7	536.5	556.5	515.7	471.8	428.5	414.8	411.0
67.5°	232.9	232.1	239.0	254.2	279.5	288.9	281.0	260.2	249.1	239.5	239.5
70°	184.7	183.2	181.9	182.2	184.5	185.7	186.0	185.0	186.3	186.5	185.5
72.5°	153.1	152.5	150.0	150.3	149.3	148.7	150.5	151.5	153.6	153.8	153.8
75°	111.0	109.7	111.0	111.2	110.2	110.2	111.5	111.2	112.3	112.8	110.0
77.5°	63.1	63.1	64.9	66.9	68.4	68.4	69.7	69.7	71.0	70.7	70.2
80°	34.7	34.7	35.7	37.0	38.5	40.0	41.3	41.6	42.3	42.1	41.3
82.5°	19.8	20.0	20.5	21.3	22.8	24.1	25.3	25.6	26.4	26.4	25.6
85°	9.4	9.1	9.4	9.9	10.6	11.7	12.9	13.7	14.2	14.2	13.7
87.5°	1.8	2.0	1.8	2.0	2.3	3.0	3.5	4.1	4.8	5.1	4.6
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)