

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: P629553

Luminaire Tested: GWS-SA1B-830-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629553
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-830-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (16) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2886.4 lumens
Efficiency: N/A
Efficacy: 115.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

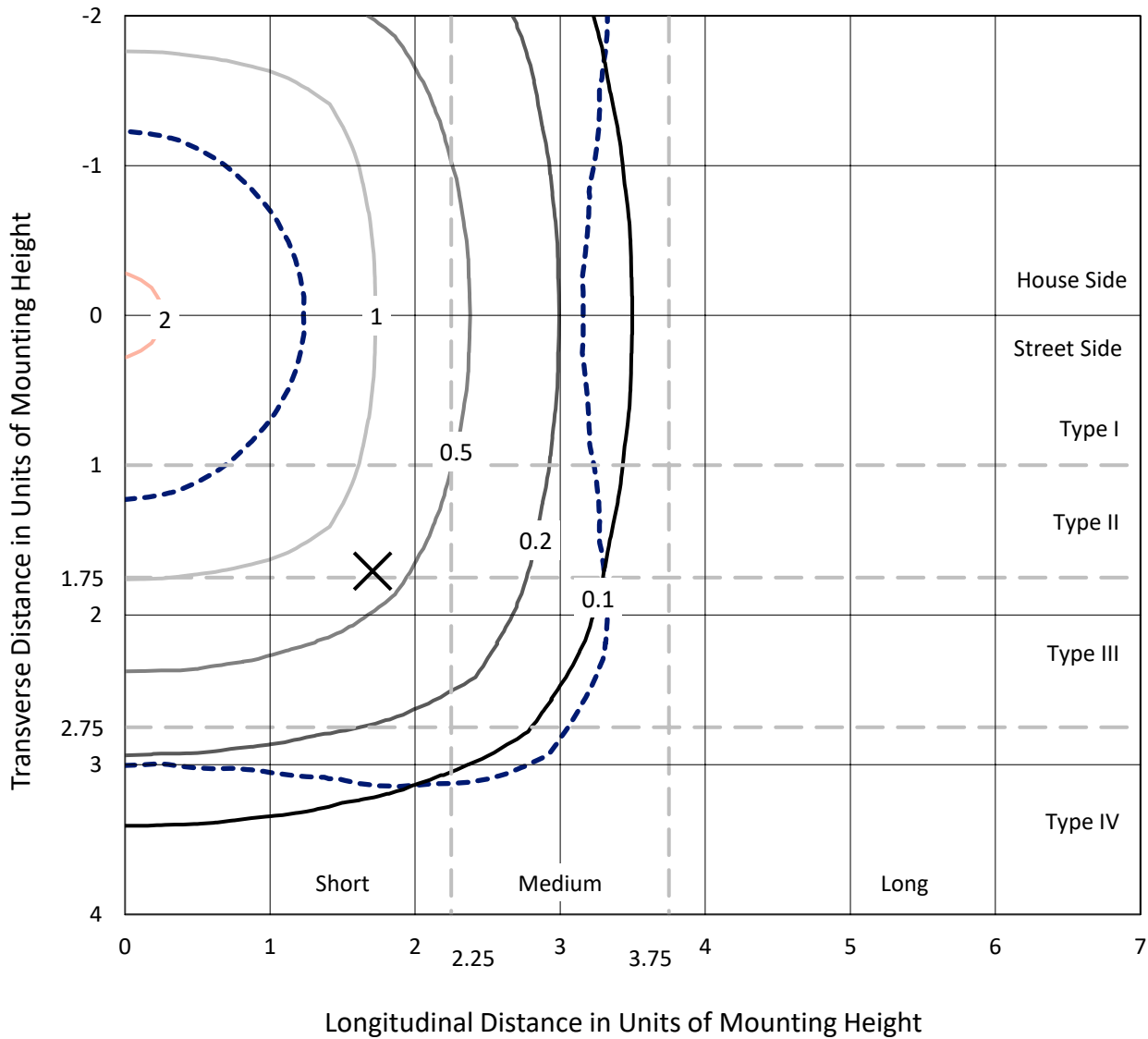
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

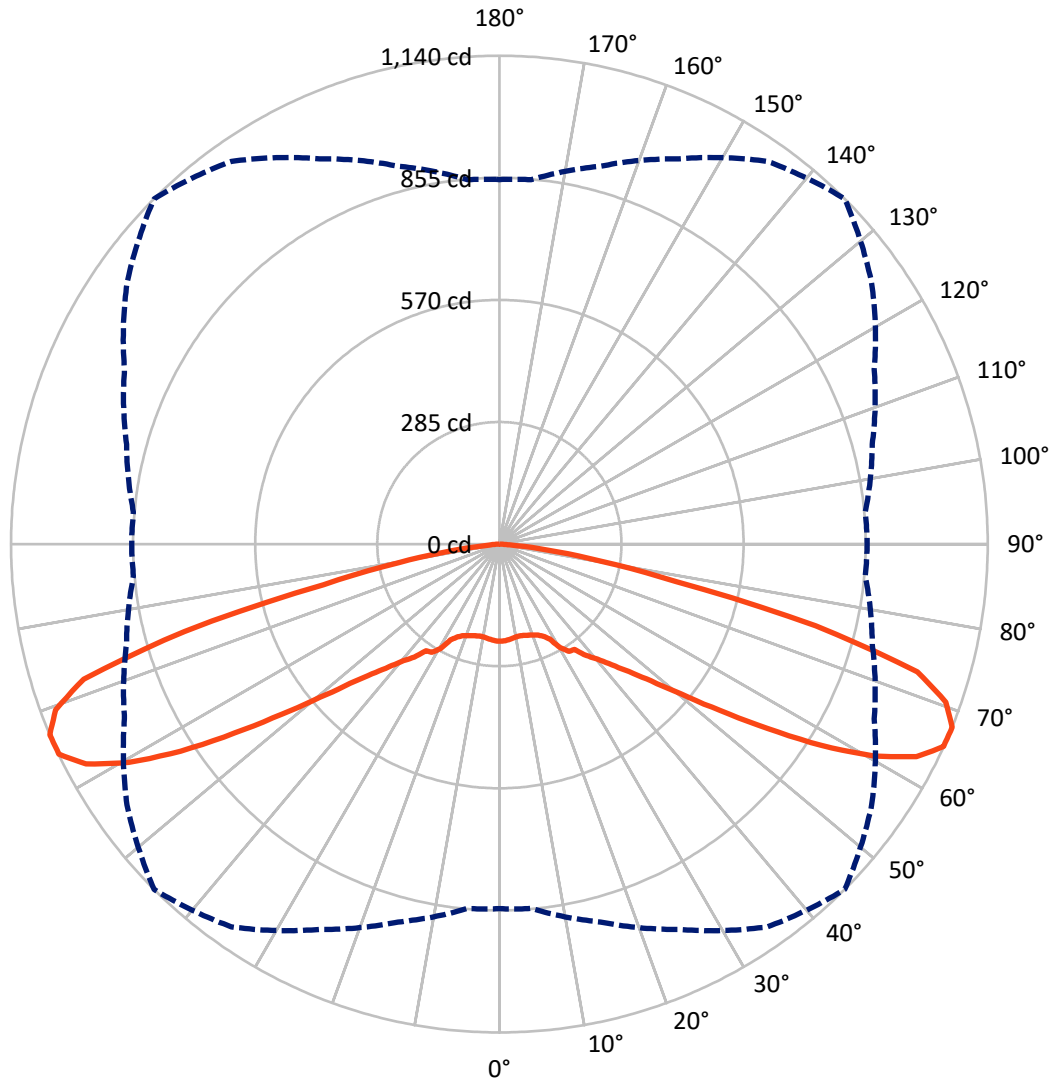
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 2.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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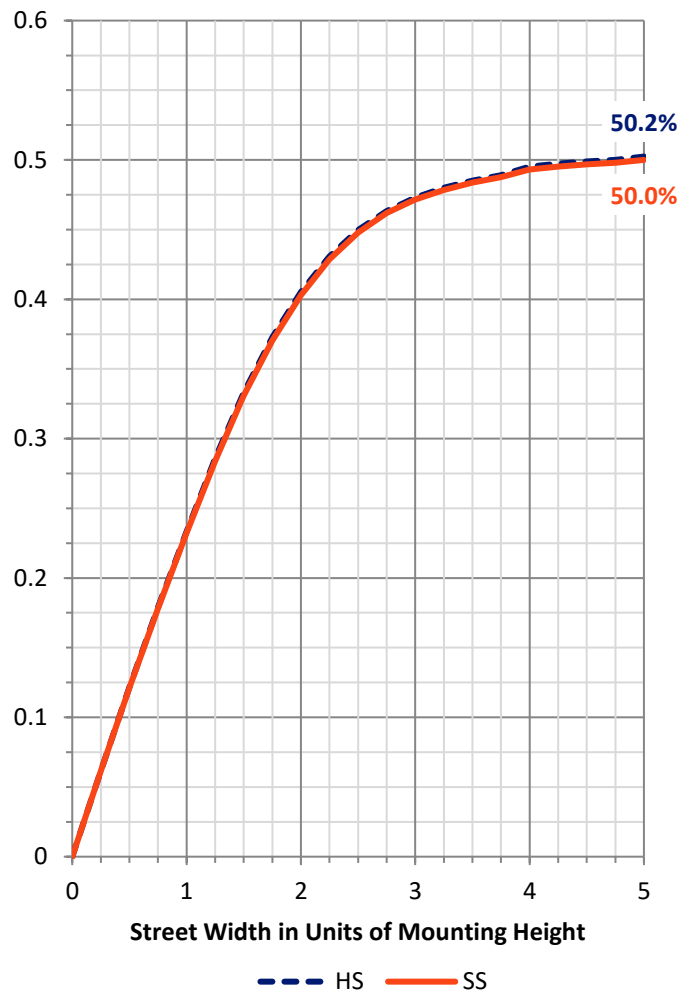
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1443.2	0.0	1443.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1443.2	0.0	1443.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	2886.4	0.0	2886.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	21.3	0.7
10°-20°	63.1	2.2
20°-30°	113.1	3.9
30°-40°	191.1	6.6
40°-50°	335.8	11.6
50°-60°	647.8	22.4
60°-70°	939.8	32.6
70°-80°	537.7	18.6
80°-90°	36.7	1.3
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°	2886.4	100.0
0°-180°	2886.4	100.0

Coefficient of Utilization



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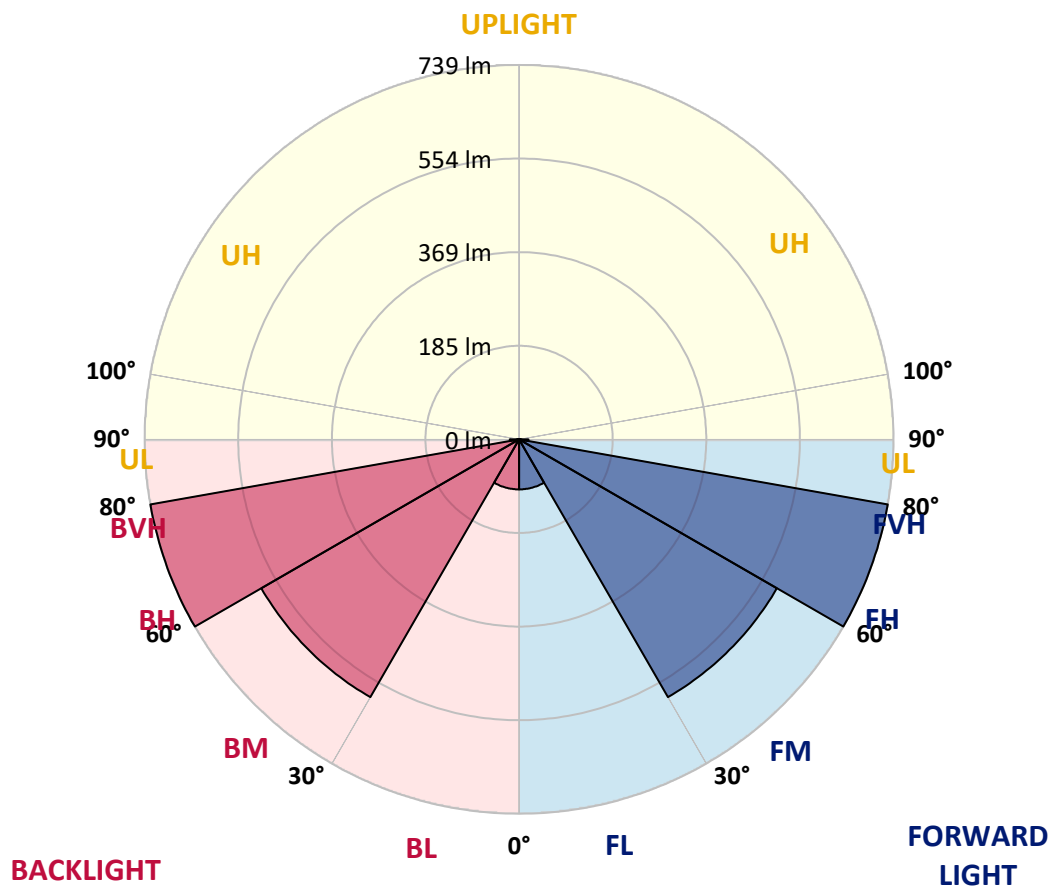
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	98.7	3.4			
FM (30°-60°)	587.3	20.3			
FH (60°-80°)	738.8	25.6			G1/1800
FVH (80°-90°)	18.4	0.6			G1/100
BL (0°-30°)	98.7	3.4	B0/110		
BM (30°-60°)	587.3	20.3	B1/1000		
BH (60°-80°)	738.8	25.6	B2/1000		G1/1800
BVH (80°-90°)	18.4	0.6			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4	226.4
2.5°	224.5	224.7	225.1	225.1	225.5	226.1	226.4	225.9	226.1	225.1	226.1
5°	223.9	224.1	224.3	223.9	223.9	224.1	224.1	223.7	223.9	222.9	223.9
7.5°	222.5	222.7	222.7	222.1	221.5	221.9	221.9	221.5	221.7	220.6	221.9
10°	221.3	221.3	221.0	219.8	219.2	219.8	220.0	220.2	221.0	220.2	221.7
12.5°	222.1	222.1	221.5	219.8	218.8	219.2	219.6	220.0	221.5	221.3	222.9
15°	224.3	224.5	222.9	221.0	220.4	221.0	220.6	220.4	222.3	222.9	224.7
17.5°	226.1	226.1	224.1	222.3	222.5	223.5	222.7	221.7	223.5	224.7	226.8
20°	227.8	227.6	225.3	224.1	224.9	226.4	225.7	224.3	225.5	227.0	228.8
22.5°	231.9	231.7	229.2	228.6	229.4	230.8	230.2	229.0	230.4	232.5	234.7
25°	243.5	243.1	239.4	237.4	237.0	238.0	237.8	237.4	239.6	242.1	244.7
27.5°	259.0	258.8	256.2	254.1	251.5	250.6	251.3	253.1	256.4	258.2	260.4
30°	266.8	266.8	266.4	269.6	275.3	280.8	276.6	269.6	266.8	265.9	268.2
32.5°	277.0	278.0	276.6	280.2	289.8	298.0	289.8	278.6	276.6	276.6	279.0
35°	300.4	300.9	298.6	298.0	301.1	302.1	298.2	294.1	296.4	296.8	299.8
37.5°	319.2	319.2	318.2	319.8	326.2	330.0	323.7	316.4	317.0	317.4	321.3
40°	348.2	349.0	346.6	346.4	348.8	352.3	345.6	340.9	344.1	345.1	351.1
42.5°	384.3	384.3	380.7	379.6	381.3	384.9	378.6	375.6	379.8	380.7	384.1
45°	427.4	428.4	423.5	421.7	422.5	423.7	419.2	417.8	421.9	423.7	429.8
47.5°	479.9	480.9	476.6	476.4	475.6	476.4	472.1	471.3	474.5	473.1	479.6
50°	544.6	546.4	542.7	547.8	547.2	549.7	543.7	539.5	539.5	535.6	539.2
52.5°	617.0	620.7	622.5	631.1	637.6	643.7	634.0	627.2	617.4	609.5	619.5
55°	696.0	695.0	706.6	725.4	744.6	759.1	739.9	718.7	702.7	686.2	690.1
57.5°	765.2	768.7	784.0	818.3	856.2	886.8	852.3	811.5	775.4	751.7	755.0
60°	822.7	825.6	846.0	895.4	961.7	1004.0	949.3	881.9	829.5	796.8	800.3
62.5°	875.8	878.5	899.1	953.6	1037.3	1092.4	1021.8	929.7	871.3	838.5	840.5
65°	906.4	908.1	936.2	993.6	1081.8	1138.7	1059.1	964.2	906.8	873.4	874.6
67.5°	850.7	853.4	912.8	992.0	1090.3	1139.5	1060.7	965.2	900.7	857.0	858.1
70°	671.1	668.9	739.7	875.8	1041.1	1105.2	1013.6	892.8	793.2	732.1	731.1
72.5°	511.7	512.3	551.7	645.0	848.9	1019.9	894.4	718.9	611.5	565.2	563.3
75°	371.1	376.8	408.8	477.2	593.7	762.3	673.3	532.7	460.9	433.1	429.0
77.5°	167.2	174.5	219.2	299.6	397.0	421.3	422.9	361.7	272.9	226.8	219.6
80°	48.8	52.3	67.2	114.9	184.9	239.0	189.8	159.6	99.4	78.0	74.3
82.5°	20.6	23.5	28.8	31.8	53.7	110.8	69.0	43.9	40.8	33.1	30.2
85°	8.8	9.4	12.0	12.9	17.3	23.7	21.8	19.8	19.0	14.7	13.5
87.5°	3.7	3.7	3.7	3.3	3.1	3.3	4.5	5.7	7.6	5.9	5.5
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)