

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: P629383

Luminaire Tested: GWS-SA1B-750-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629383
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1B-750-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2579.8 lumens
Efficiency: N/A
Efficacy: 103.2 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

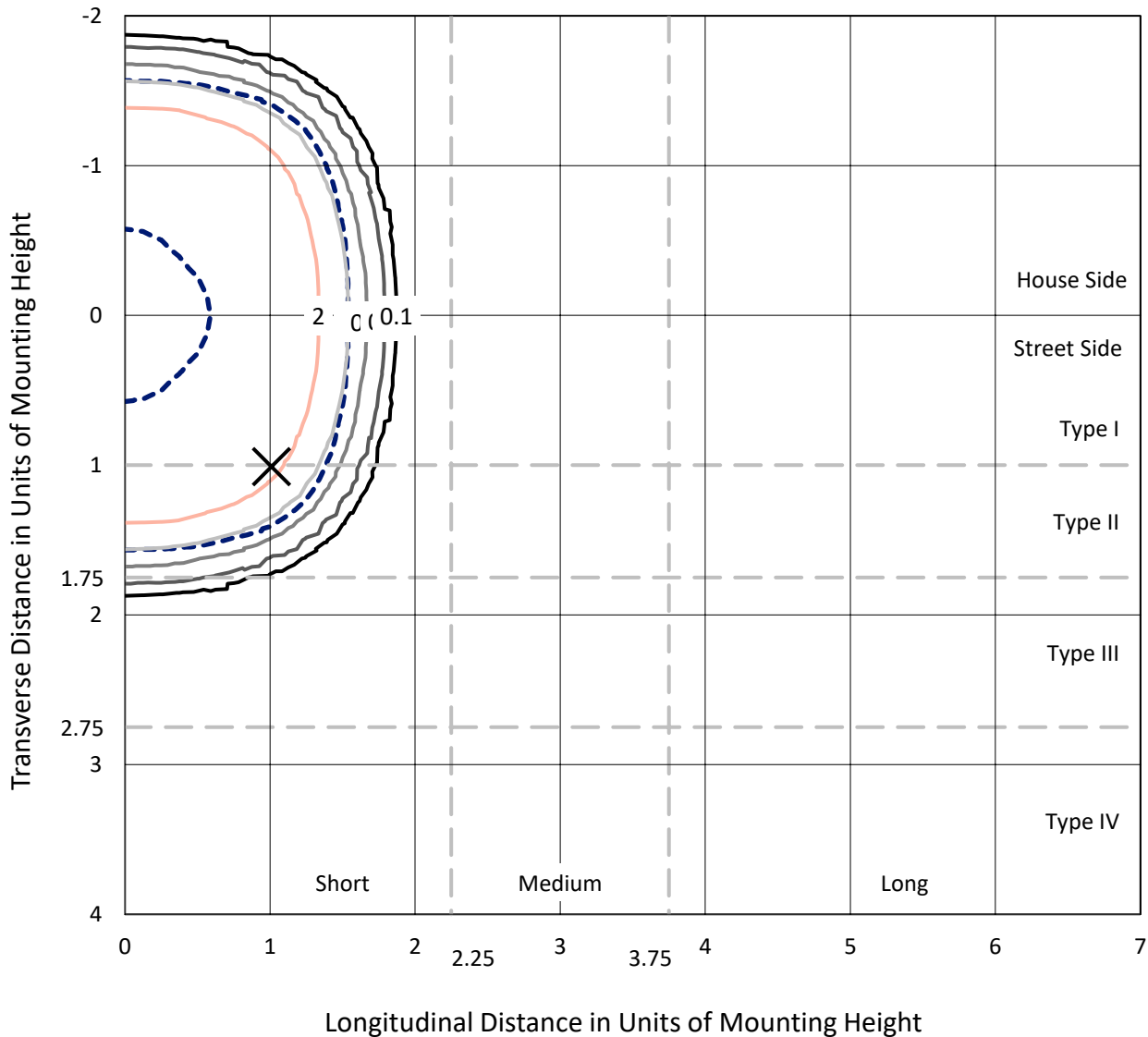
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

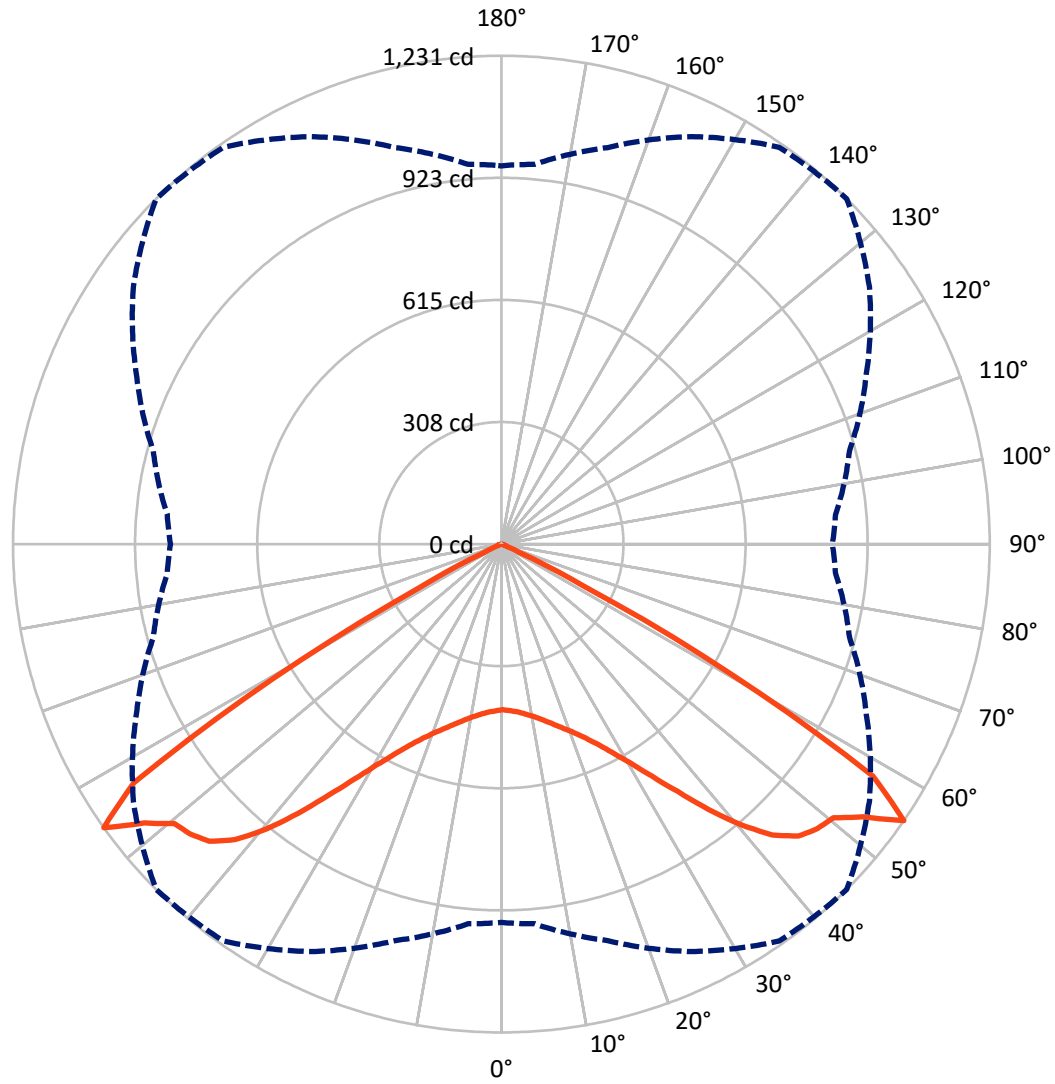
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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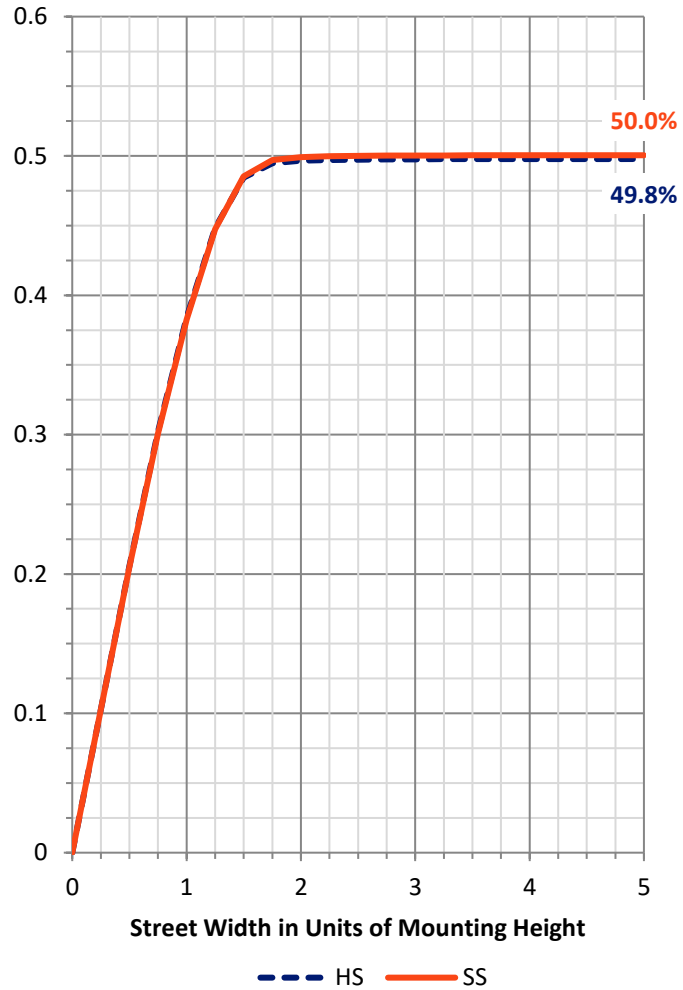
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1289.9	0.0	1289.9
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1289.9	0.0	1289.9
	% Fixture	50.0	0.0	50.0
Total	Lumens	2579.8	0.0	2579.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	40.9	1.6
10°-20°	132.5	5.1
20°-30°	256.6	9.9
30°-40°	459.6	17.8
40°-50°	770.6	29.9
50°-60°	824.9	32.0
60°-70°	90.6	3.5
70°-80°	4.0	0.2
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°	2579.8	100.0
0°-180°	2579.8	100.0

Coefficient of Utilization



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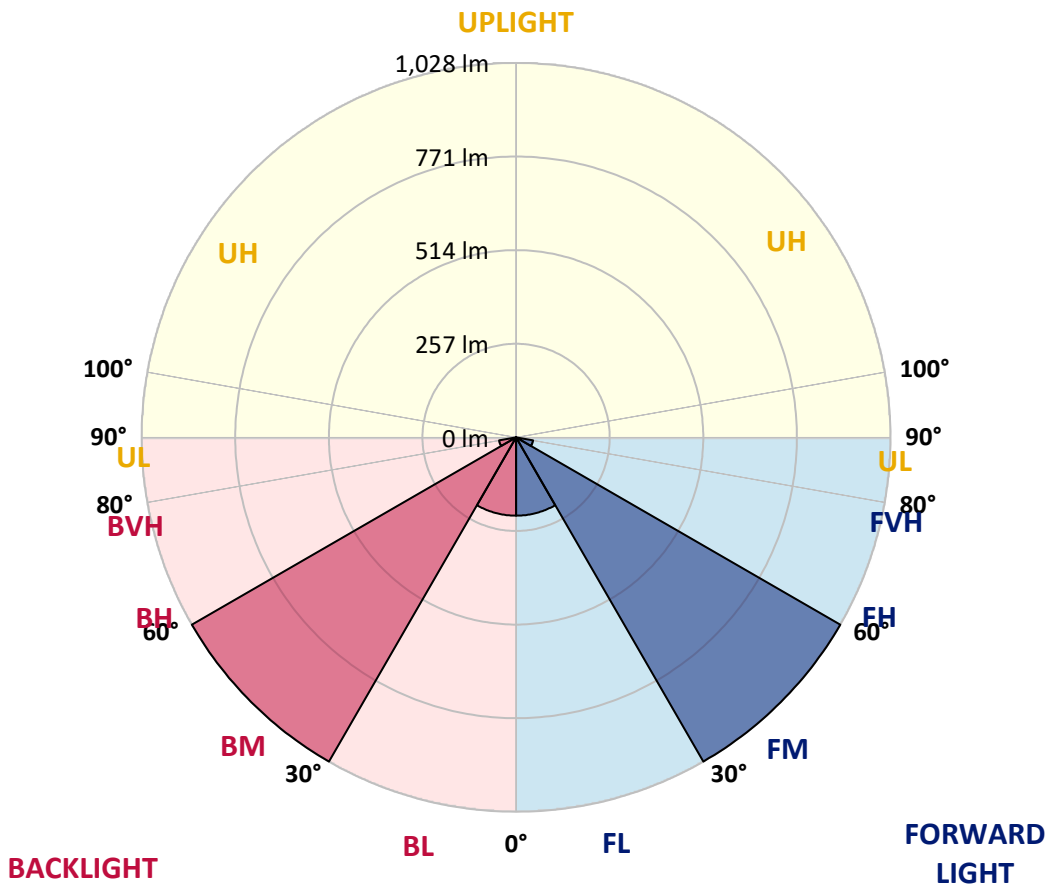
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	214.9	8.3			
FM (30°-60°)	1027.5	39.8			
FH (60°-80°)	47.3	1.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	214.9	8.3	B1/500		
BM (30°-60°)	1027.5	39.8	B2/2500		
BH (60°-80°)	47.3	1.8	B0/110		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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	417.1	417.1	417.1	417.1	417.1	417.1	417.1	417.1	417.1	417.1	417.1
2.5°	416.3	416.3	417.4	418.2	418.2	420.3	419.5	418.7	418.7	417.6	419.7
5°	422.4	422.1	423.1	423.7	422.6	424.7	423.4	422.6	422.1	421.0	423.1
7.5°	428.9	429.2	429.5	430.5	430.0	432.1	431.0	429.5	428.9	427.4	429.5
10°	436.8	436.8	437.3	438.7	438.9	441.5	440.5	438.7	437.1	435.5	437.6
12.5°	446.8	447.1	447.9	449.7	450.7	453.6	452.1	448.4	446.0	444.2	446.5
15°	461.3	461.0	462.0	464.7	466.0	468.1	465.7	460.7	457.8	455.7	457.3
17.5°	477.0	477.0	477.6	480.2	482.0	485.2	482.3	476.2	473.6	470.7	472.3
20°	494.4	495.2	495.7	497.5	500.7	503.8	501.5	495.4	492.5	488.9	490.7
22.5°	517.2	516.5	516.7	519.9	524.3	527.5	525.7	518.6	513.6	510.7	511.7
25°	542.7	542.5	543.3	548.0	553.0	556.4	553.8	544.6	539.6	534.6	536.7
27.5°	574.0	574.3	574.8	580.6	588.5	593.5	586.9	577.7	570.9	564.3	565.9
30°	611.1	610.5	612.1	620.0	631.6	639.5	631.8	619.0	609.2	602.9	603.7
32.5°	650.5	651.0	655.2	667.8	683.1	697.0	681.5	664.4	651.8	640.0	641.6
35°	693.1	694.4	703.8	722.5	747.5	766.1	744.6	716.5	698.6	683.3	683.9
37.5°	743.3	746.4	759.6	787.4	823.2	848.1	816.6	779.3	756.1	737.2	735.9
40°	809.2	812.9	830.8	863.9	907.3	930.1	893.6	855.2	826.6	806.1	802.9
42.5°	884.9	889.7	909.1	943.0	986.4	1001.9	966.1	933.8	908.1	883.9	882.8
45°	970.4	973.0	988.7	1014.8	1046.0	1049.7	1022.9	1005.0	979.0	956.4	954.6
47.5°	1050.5	1053.1	1063.9	1077.3	1084.7	1071.5	1066.8	1058.9	1025.3	997.4	991.6
50°	1111.5	1113.6	1127.0	1132.3	1111.8	1083.9	1093.1	1076.3	1039.7	1008.5	999.5
52.5°	1107.3	1112.5	1147.0	1176.9	1164.1	1141.5	1116.7	1080.5	1023.7	980.9	969.8
55°	953.3	960.4	1034.2	1132.8	1220.8	1230.5	1131.7	1014.8	908.1	845.2	833.9
57.5°	612.6	614.5	704.6	842.9	1041.3	1103.9	938.5	765.1	632.4	563.2	558.5
60°	225.2	221.6	289.6	404.2	599.8	666.0	552.5	386.9	276.0	227.1	223.1
62.5°	54.1	54.7	67.8	101.7	188.2	232.9	184.0	102.8	65.4	54.9	54.4
65°	27.3	26.8	27.1	29.2	40.2	48.1	39.4	27.9	26.8	27.1	26.8
67.5°	17.6	17.3	17.9	18.1	17.9	16.8	16.6	17.1	17.1	17.3	16.8
70°	10.8	10.5	11.0	11.8	11.3	10.0	10.5	11.0	10.5	10.3	10.3
72.5°	5.8	5.8	6.3	6.8	6.3	5.8	5.8	6.0	5.8	5.8	5.8
75°	2.6	2.6	2.9	3.2	2.6	2.6	2.6	2.6	2.6	2.6	2.6
77.5°	0.8	0.8	1.1	1.1	0.8	0.8	0.8	0.8	1.1	1.1	1.1
80°	0.3	0.5	0.5	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.5
82.5°	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3	0.3
85°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	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)