

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: P629384

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629384
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
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-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (16) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3323.6 lumens
Efficiency: N/A
Efficacy: 132.9 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

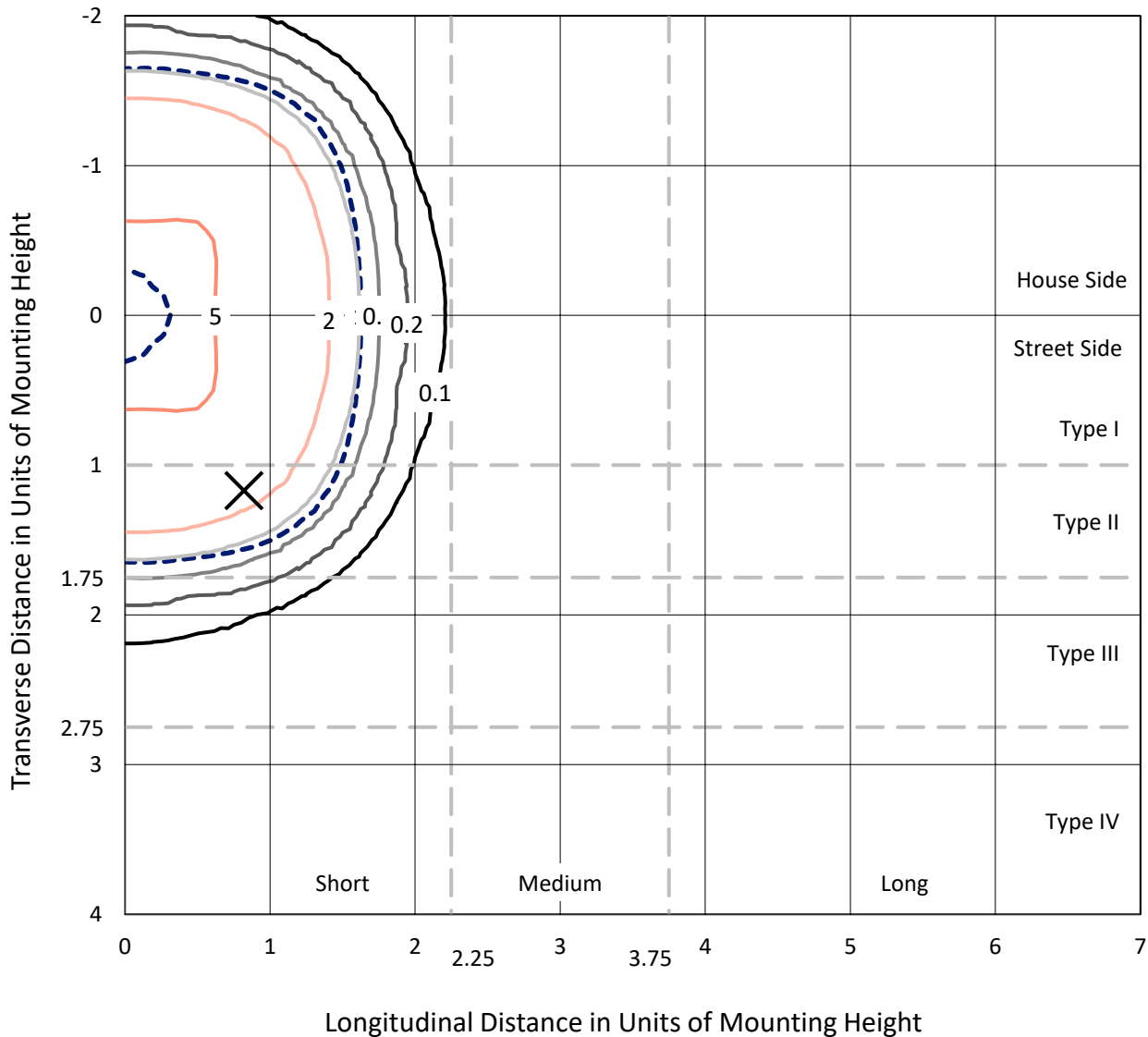
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

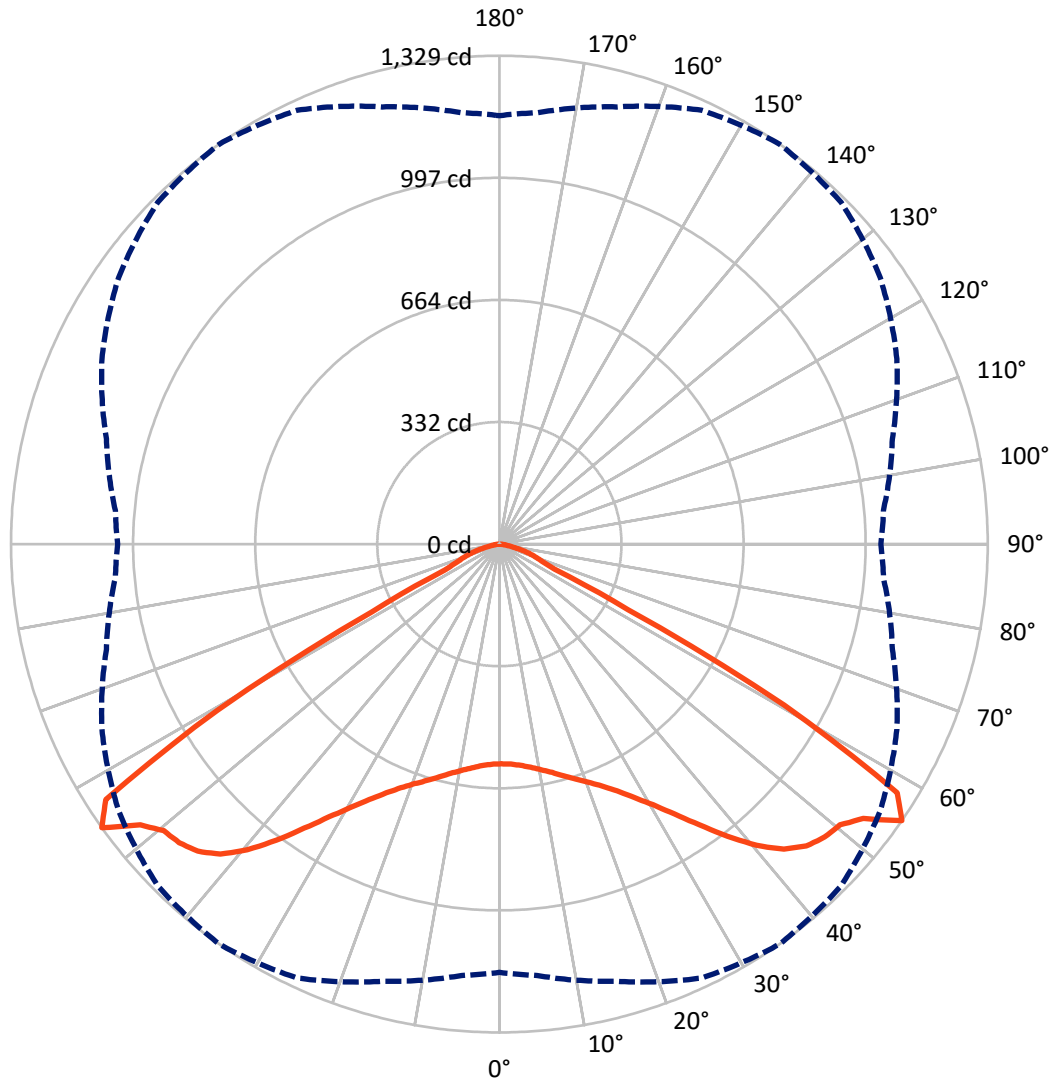
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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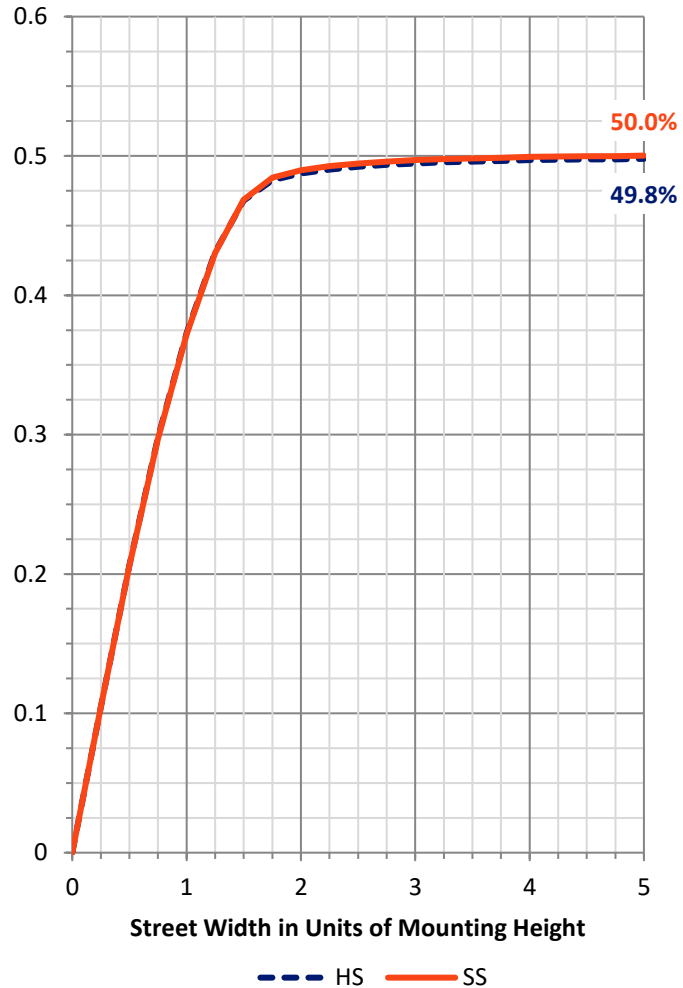
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1661.8	0.0	1661.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1661.8	0.0	1661.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	3323.6	0.0	3323.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.3	1.8
10°-20°	185.7	5.6
20°-30°	343.7	10.3
30°-40°	574.9	17.3
40°-50°	876.0	26.4
50°-60°	981.3	29.5
60°-70°	232.2	7.0
70°-80°	62.6	1.9
80°-90°	9.0	0.3
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°	3323.6	100.0
0°-180°	3323.6	100.0

Coefficient of Utilization



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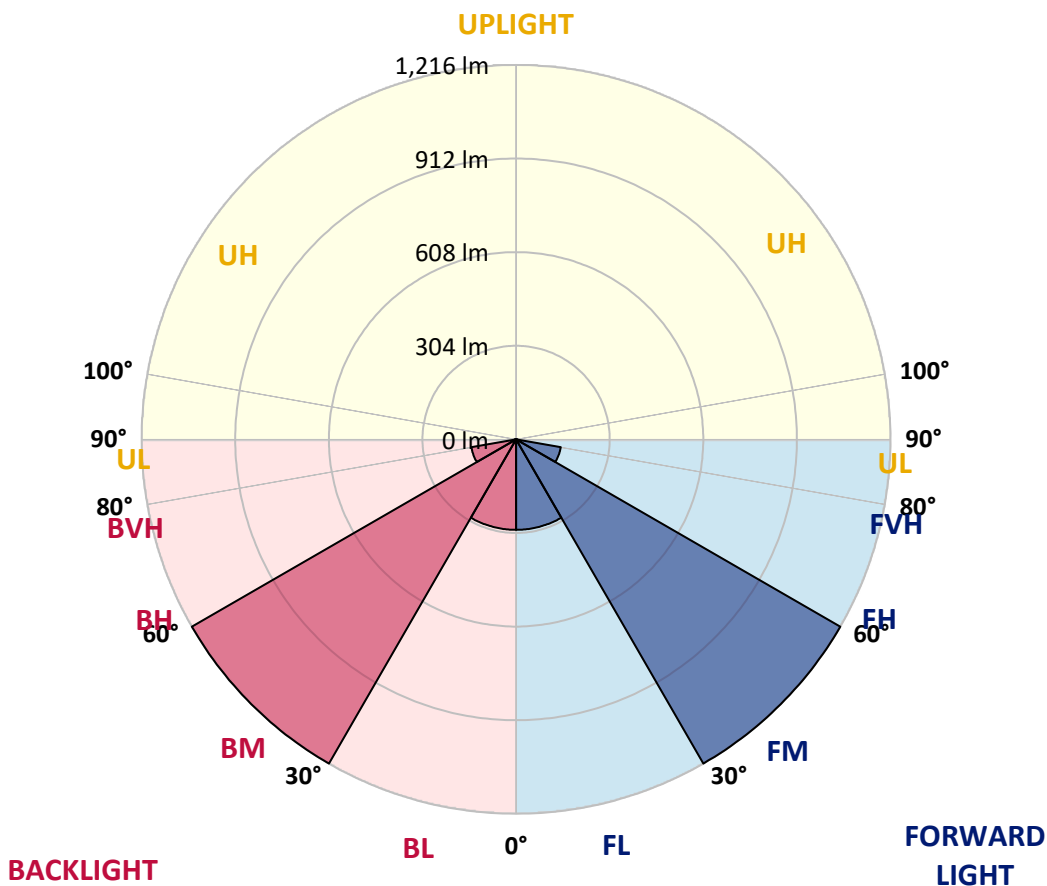
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	293.8	8.8			
FM (30°-60°)	1216.1	36.6			
FH (60°-80°)	147.4	4.4			G0/660
FVH (80°-90°)	4.5	0.1			G0/10
BL (0°-30°)	293.8	8.8	B1/500		
BM (30°-60°)	1216.1	36.6	B2/2500		
BH (60°-80°)	147.4	4.4	B1/500		G0/660
BVH (80°-90°)	4.5	0.1			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°	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9	597.9
2.5°	596.6	596.6	597.7	599.0	599.2	601.9	601.3	600.3	599.8	598.7	601.1
5°	603.2	603.4	604.2	605.0	604.5	606.6	605.8	604.5	603.7	602.4	604.8
7.5°	611.9	611.9	612.6	613.7	613.2	616.3	614.7	612.9	611.6	610.0	612.1
10°	619.7	620.3	621.1	623.2	624.2	627.6	626.6	623.9	621.8	620.0	622.4
12.5°	631.6	632.1	632.9	635.8	637.6	641.0	639.5	635.8	632.6	630.0	632.6
15°	646.8	646.3	648.4	652.1	654.4	657.6	655.7	649.4	645.2	641.8	644.4
17.5°	662.3	662.1	664.2	668.9	672.3	676.5	673.4	666.0	661.5	657.3	660.0
20°	679.1	679.9	682.0	686.5	691.5	697.0	694.4	686.5	681.5	676.8	678.9
22.5°	699.9	700.2	702.5	708.3	714.9	720.1	718.6	708.8	702.5	697.5	700.2
25°	724.9	724.6	727.8	734.6	743.8	749.0	745.6	734.9	728.0	722.2	724.3
27.5°	753.5	753.3	758.0	766.9	780.1	787.4	780.3	766.9	757.5	749.3	751.2
30°	789.5	788.7	794.0	806.1	823.2	835.5	825.0	806.3	794.0	785.3	787.2
32.5°	829.5	830.5	837.1	853.4	874.9	891.0	875.2	854.4	837.9	825.3	827.4
35°	873.4	873.4	886.8	907.0	937.8	959.0	934.6	904.6	882.6	865.2	865.7
37.5°	922.2	922.8	940.4	968.2	1008.5	1033.4	1000.3	963.2	936.4	917.8	916.7
40°	981.9	983.5	1001.6	1032.6	1077.8	1100.7	1065.2	1029.0	1001.6	979.5	977.4
42.5°	1049.2	1049.7	1068.9	1096.8	1134.9	1148.5	1120.7	1091.0	1068.6	1048.7	1046.6
45°	1113.3	1112.0	1128.6	1149.3	1171.4	1172.7	1157.2	1145.1	1125.7	1108.6	1105.4
47.5°	1163.3	1162.2	1177.2	1188.5	1191.1	1178.2	1183.2	1185.1	1162.5	1139.3	1133.3
50°	1193.7	1195.8	1210.0	1216.3	1200.8	1179.8	1198.7	1194.0	1161.7	1131.5	1121.7
52.5°	1212.1	1215.3	1240.0	1256.0	1240.0	1220.0	1222.7	1194.8	1148.3	1108.3	1095.7
55°	1165.6	1178.2	1231.6	1302.6	1328.8	1314.9	1265.0	1193.2	1107.0	1048.9	1038.2
57.5°	863.9	883.9	963.0	1116.7	1276.5	1327.3	1181.4	1000.3	869.7	795.0	788.7
60°	441.0	463.4	526.7	684.7	890.2	961.7	822.9	640.5	509.1	448.6	441.8
62.5°	180.0	183.7	204.5	265.5	393.4	453.9	398.7	279.9	210.3	193.7	194.0
65°	141.7	142.5	141.4	145.1	164.8	182.9	169.0	148.5	144.8	146.7	145.3
67.5°	123.5	123.8	123.0	123.0	123.8	123.0	124.6	125.4	125.9	128.0	126.7
70°	103.3	103.6	103.6	104.1	103.8	102.5	104.9	105.9	106.2	107.5	106.7
72.5°	79.9	80.7	81.2	81.5	81.2	80.4	81.7	83.6	83.3	84.6	83.3
75°	54.1	55.2	55.7	56.8	56.5	56.5	58.1	58.9	58.1	59.1	58.1
77.5°	30.8	31.5	33.1	34.2	35.2	36.0	37.1	37.6	37.3	37.8	37.3
80°	17.9	18.1	19.4	20.0	21.3	22.6	23.7	24.2	24.4	24.7	24.4
82.5°	10.3	10.5	11.0	11.6	12.6	13.7	14.7	15.5	15.5	15.8	15.5
85°	5.0	5.0	5.3	5.5	6.0	6.8	7.6	8.4	8.7	8.7	8.7
87.5°	0.8	0.8	1.1	1.1	1.3	1.6	2.1	2.6	2.9	2.9	2.9
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)