

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: P630374

Luminaire Tested: GWS-SA1D-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630374
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-2)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1D-750-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE 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: 3264.2 lumens
Efficiency: N/A
Efficacy: 73.7 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

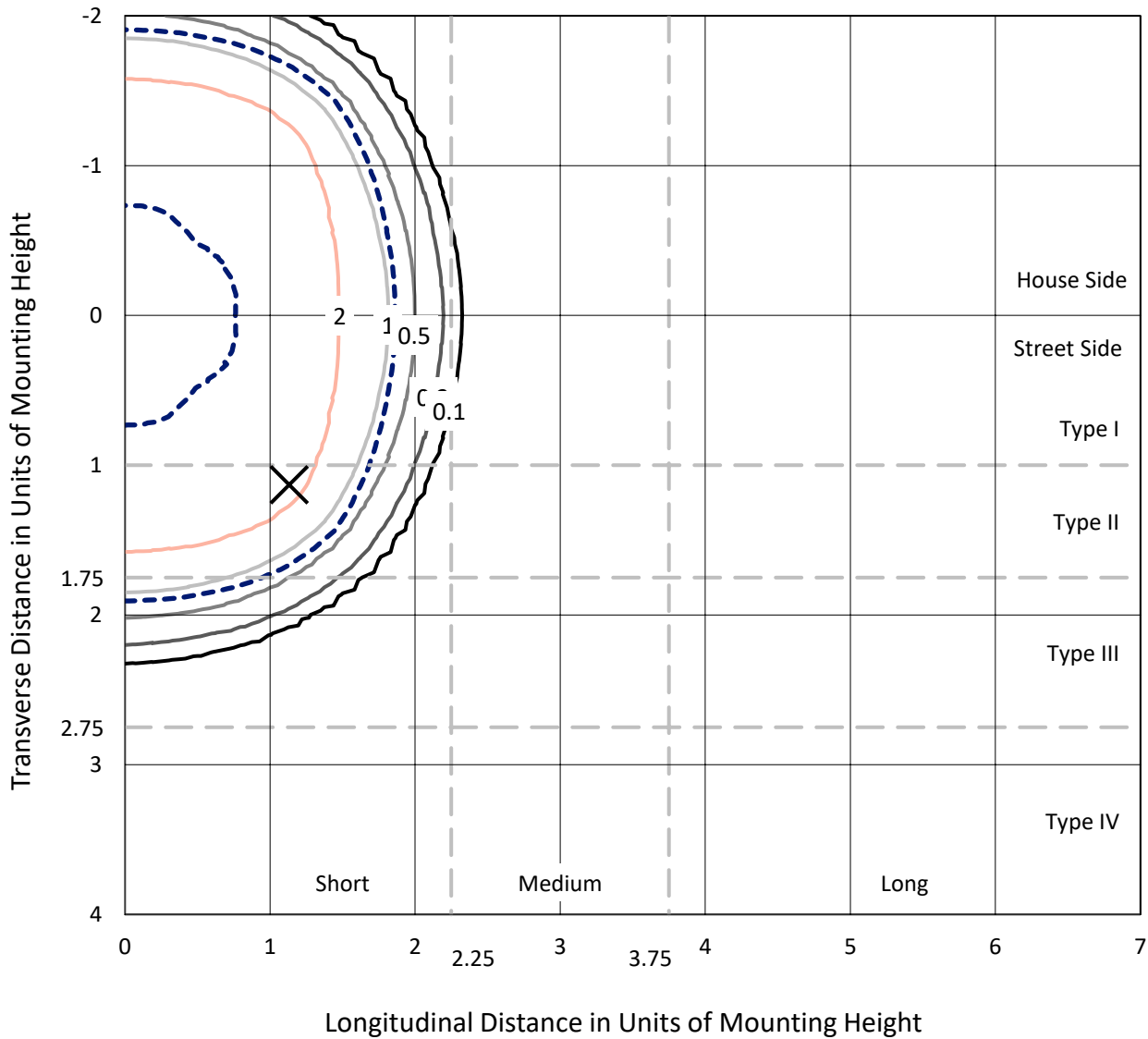
Input Watts (W): 44.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

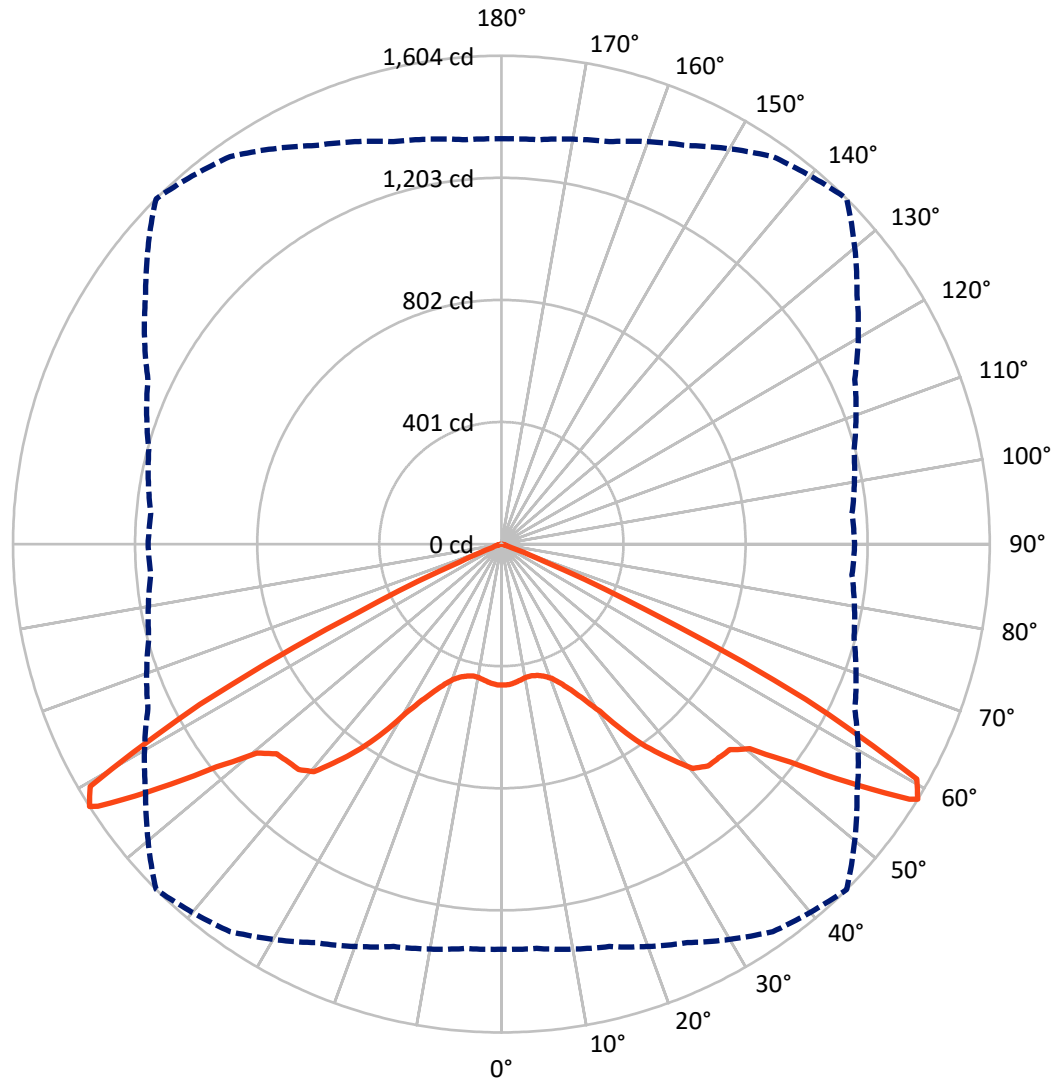
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1632.1	0.0	1632.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1632.1	0.0	1632.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	3264.2	0.0	3264.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.2	1.3
10°-20°	127.8	3.9
20°-30°	241.7	7.4
30°-40°	476.7	14.6
40°-50°	754.3	23.1
50°-60°	1108.8	34.0
60°-70°	494.9	15.2
70°-80°	16.6	0.5
80°-90°	0.1	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°	3264.2	100.0
0°-180°	3264.2	100.0

Coefficient of Utilization



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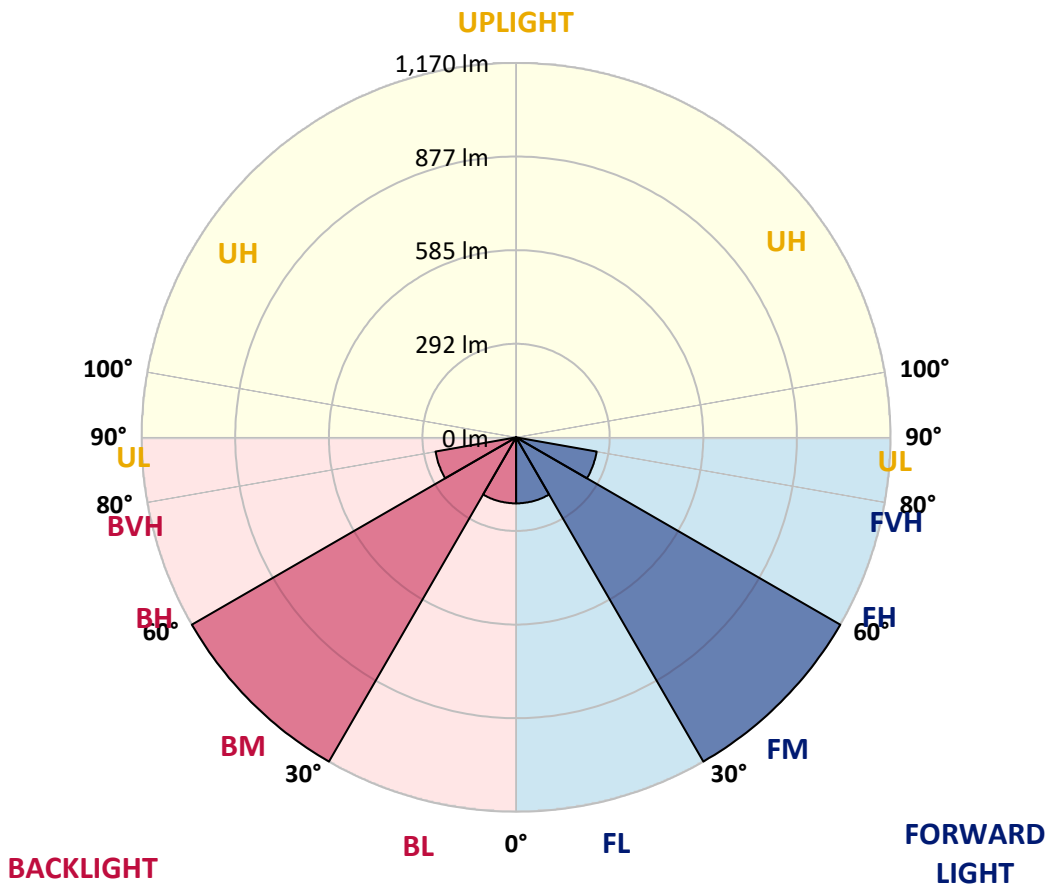
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	206.3	6.3			
FM (30°-60°)	1169.9	35.8			
FH (60°-80°)	255.8	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	206.3	6.3	B1/500		
BM (30°-60°)	1169.9	35.8	B2/2500		
BH (60°-80°)	255.8	7.8	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9	462.9
2.5°	458.5	459.3	460.2	460.7	461.1	462.5	462.9	461.6	461.6	458.9	462.0
5°	456.2	457.1	458.0	457.6	457.6	457.6	457.1	455.3	454.9	452.2	455.3
7.5°	452.2	453.1	453.1	451.8	450.9	450.9	450.5	448.2	447.8	445.1	448.2
10°	449.1	449.6	449.1	446.5	444.7	444.7	444.2	443.3	443.8	442.0	444.7
12.5°	450.9	451.3	449.6	446.0	443.8	443.3	442.0	440.7	442.0	441.6	444.2
15°	456.7	457.1	454.0	449.6	447.8	447.8	444.2	440.7	442.5	442.9	446.0
17.5°	463.8	463.8	459.8	455.8	456.2	456.2	450.5	444.2	444.7	446.5	449.6
20°	472.2	472.2	468.2	467.4	470.5	470.9	463.8	454.0	451.8	453.1	456.7
22.5°	487.4	487.4	484.3	486.5	493.6	495.8	485.1	471.4	466.0	466.9	470.5
25°	510.9	510.9	510.0	515.4	525.6	530.5	516.3	498.0	489.1	487.8	491.8
27.5°	550.5	551.0	549.6	557.6	570.5	576.3	556.7	532.7	522.0	519.8	523.8
30°	601.6	601.6	602.1	613.2	630.1	637.7	611.9	583.9	571.4	564.3	569.6
32.5°	658.6	659.5	663.9	682.6	712.4	727.9	690.1	651.0	631.0	623.4	629.2
35°	752.4	743.9	738.6	752.4	795.5	816.0	767.5	721.7	706.6	705.7	720.4
37.5°	845.3	840.4	829.3	843.5	882.2	891.6	838.2	800.0	789.3	795.1	809.8
40°	919.1	910.3	895.6	908.9	959.6	968.9	903.1	865.3	861.3	874.2	894.2
42.5°	977.4	964.9	945.4	948.5	989.4	996.1	937.8	909.4	912.0	928.0	950.7
45°	1003.6	993.8	976.5	975.2	1001.0	1001.4	955.6	940.9	948.0	960.5	978.3
47.5°	1014.7	1010.3	1000.5	998.3	1013.0	1009.4	981.0	974.7	981.4	985.0	995.2
50°	1042.3	1042.3	1043.7	1045.4	1060.6	1057.0	1037.0	1029.9	1021.4	1009.0	1012.1
52.5°	1119.7	1122.8	1135.7	1149.9	1177.5	1189.1	1156.6	1115.2	1074.8	1047.7	1047.7
55°	1259.3	1262.4	1277.6	1301.6	1352.3	1379.8	1304.2	1213.1	1157.5	1120.6	1125.5
57.5°	1336.2	1339.8	1370.9	1435.9	1534.1	1580.8	1418.5	1283.3	1205.5	1163.3	1166.8
58°	1331.4	1333.6	1368.7	1444.8	1554.1	1604.4	1426.5	1281.1	1199.3	1156.2	1160.6
60°	1182.8	1179.7	1235.8	1344.3	1498.6	1567.9	1346.9	1169.5	1074.3	1030.3	1032.5
62.5°	773.3	775.1	823.5	936.9	1057.0	1122.4	940.9	808.9	732.4	705.7	699.0
65°	322.8	317.1	346.8	410.0	482.0	518.5	445.6	377.1	329.9	312.2	317.1
67.5°	83.2	80.9	82.7	103.6	126.7	149.9	125.8	96.0	83.6	84.5	84.5
70°	47.1	44.5	36.0	33.4	32.5	32.5	32.5	32.5	37.4	44.0	45.4
72.5°	35.6	33.4	26.2	22.7	20.0	18.7	19.6	22.7	27.1	32.9	33.8
75°	17.8	17.8	16.0	15.1	13.3	12.5	12.9	14.2	16.5	18.7	18.2
77.5°	3.6	4.0	4.4	5.3	4.4	4.4	4.4	5.3	5.3	5.8	5.3
80°	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4	0.4
82.5°	0.0	0.4	0.4	0.0	0.0	0.0	0.0	0.4	0.4	0.4	0.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.4	0.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)