

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: P629880

Luminaire Tested: GWS-SA1C-750-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629880
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-SA1C-750-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) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4152.4 lumens
Efficiency: N/A
Efficacy: 121.8 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

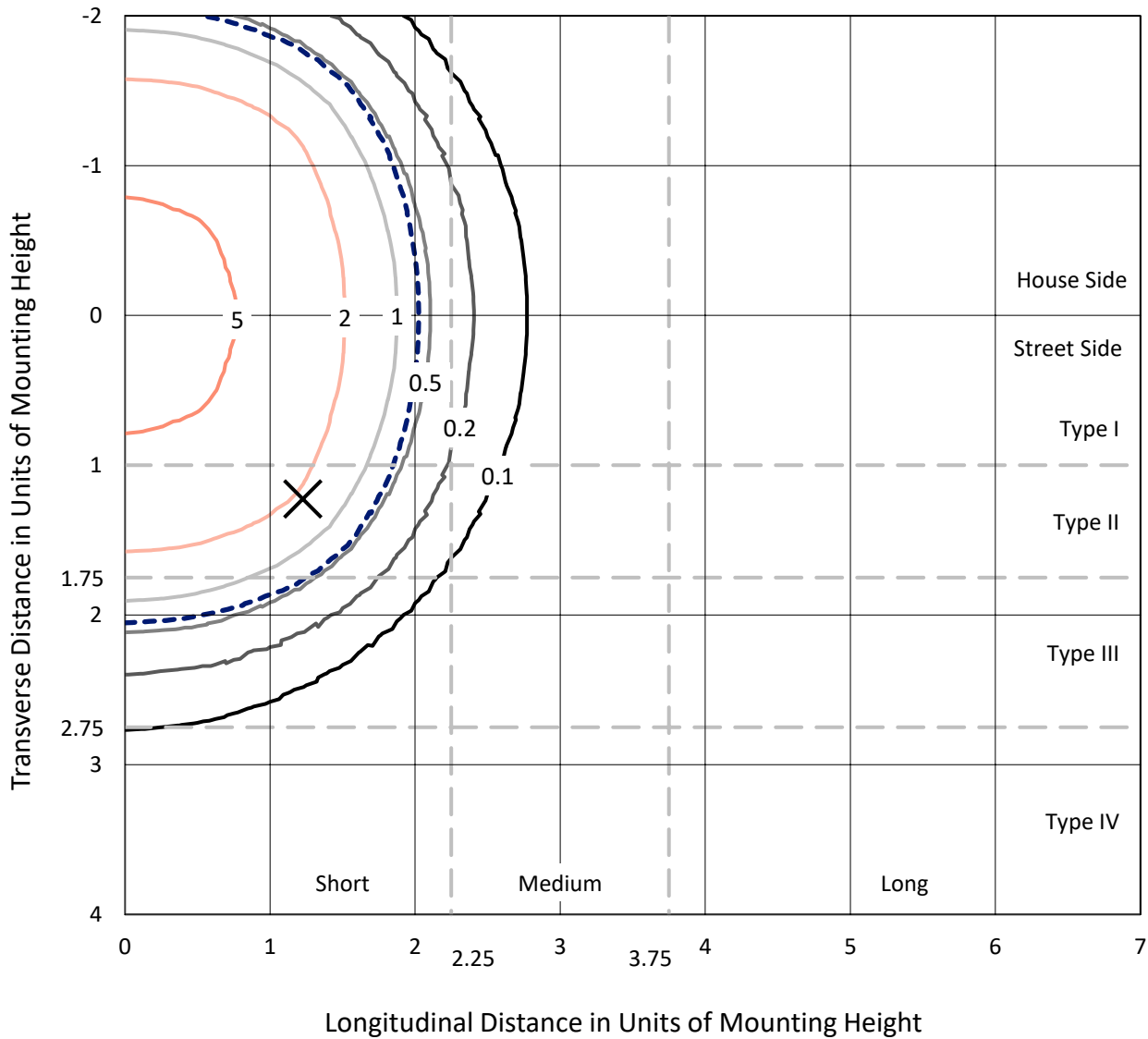
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

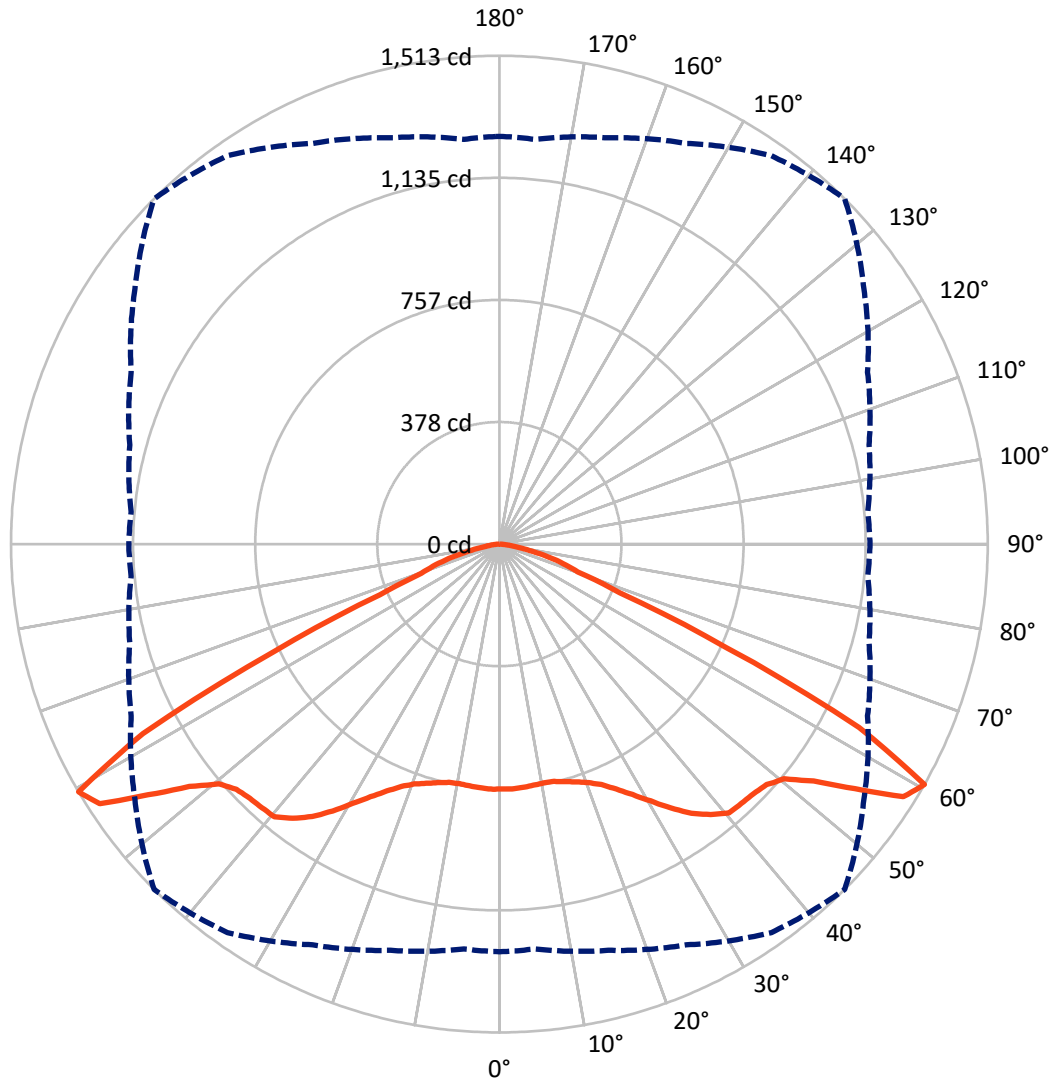
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.6 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	2076.2	0.0	2076.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2076.2	0.0	2076.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4152.4	0.0	4152.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.0	1.7
10°-20°	216.5	5.2
20°-30°	383.0	9.2
30°-40°	616.6	14.8
40°-50°	847.5	20.4
50°-60°	1129.3	27.2
60°-70°	703.9	17.0
70°-80°	161.9	3.9
80°-90°	22.0	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°	4152.4	100.0
0°-180°	4152.4	100.0

Coefficient of Utilization



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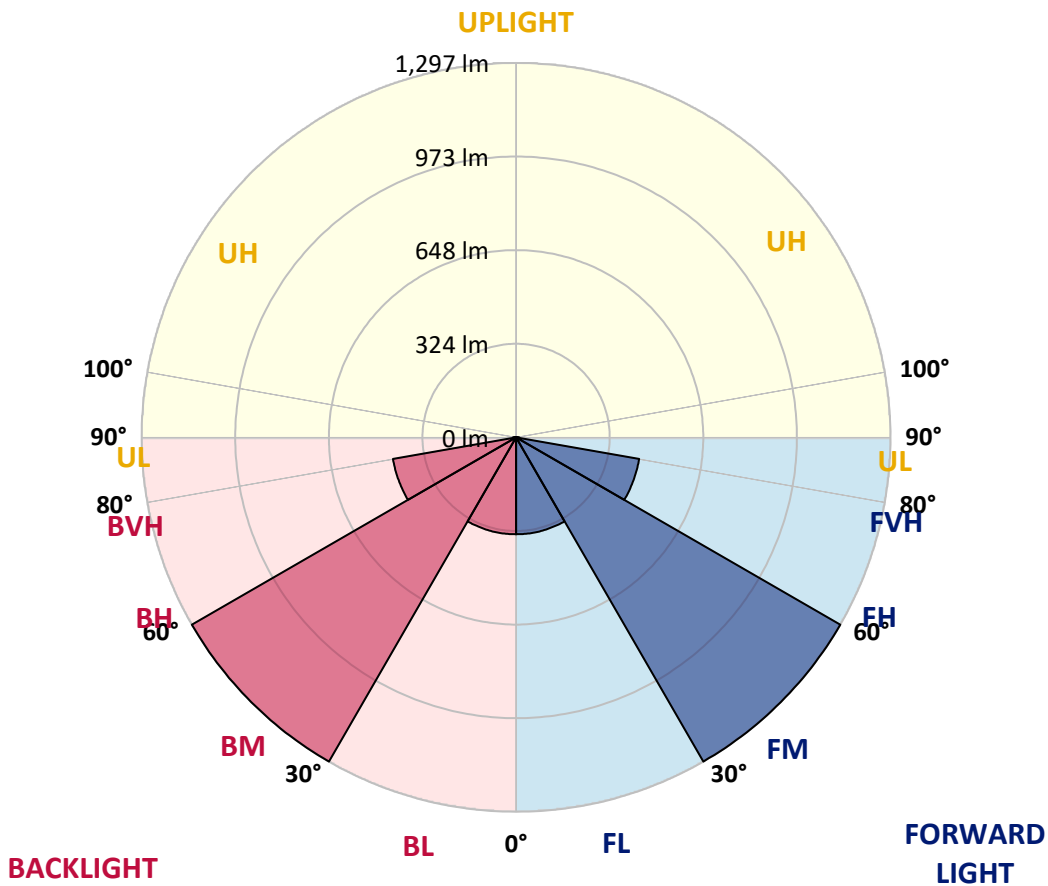
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	335.7	8.1			
FM (30°-60°)	1296.7	31.2			
FH (60°-80°)	432.9	10.4			G0/660
FVH (80°-90°)	11.0	0.3			G1/100
BL (0°-30°)	335.7	8.1	B1/500		
BM (30°-60°)	1296.7	31.2	B2/2500		
BH (60°-80°)	432.9	10.4	B1/500		G0/660
BVH (80°-90°)	11.0	0.3			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°	758.8	758.8	758.8	758.8	758.8	758.8	758.8	758.8	758.8	758.8	758.8
2.5°	753.6	754.3	755.7	756.7	758.1	759.6	760.3	758.8	758.1	755.3	758.5
5°	754.3	755.0	756.0	756.0	756.4	757.4	757.4	755.7	753.9	750.7	754.3
7.5°	753.2	753.9	754.3	753.9	754.3	754.6	753.9	751.8	750.0	747.2	750.0
10°	751.4	752.1	752.9	752.1	751.4	752.5	752.5	751.1	750.0	747.2	750.4
12.5°	755.3	756.4	756.7	755.0	754.3	754.6	754.6	753.2	753.2	750.7	754.3
15°	764.5	765.2	764.1	762.0	762.4	763.4	761.0	757.4	756.7	755.7	758.5
17.5°	771.5	772.2	771.2	769.8	772.2	774.7	770.1	763.4	761.3	760.6	763.8
20°	779.3	780.3	778.9	780.7	785.6	788.5	782.8	773.6	769.4	768.4	772.2
22.5°	792.0	793.4	793.4	797.3	804.7	809.2	802.2	789.9	783.5	781.8	785.6
25°	812.1	813.1	814.2	821.9	833.9	840.3	829.0	812.1	803.3	800.4	802.6
27.5°	839.9	841.7	843.4	854.7	869.5	878.7	862.5	841.3	830.4	824.8	829.0
30°	873.0	875.5	879.7	892.4	913.2	923.4	902.6	876.9	864.6	858.6	864.2
32.5°	918.2	918.5	921.7	935.8	963.3	974.9	948.8	920.3	907.6	900.5	903.7
35°	971.7	972.1	967.1	981.6	1011.2	1024.2	993.6	964.7	954.1	952.0	960.1
37.5°	1026.7	1023.5	1018.6	1025.0	1054.9	1063.4	1030.9	1006.3	1001.7	1005.6	1017.6
40°	1065.8	1060.6	1050.7	1055.3	1085.6	1095.4	1060.9	1037.6	1036.2	1045.7	1060.2
42.5°	1091.2	1085.6	1073.9	1073.9	1094.7	1099.0	1072.2	1059.8	1063.0	1073.9	1087.7
45°	1103.6	1100.4	1093.7	1090.2	1101.8	1103.6	1083.1	1078.2	1084.2	1089.5	1100.0
47.5°	1113.1	1113.1	1111.0	1107.4	1112.7	1113.8	1098.6	1097.2	1105.0	1105.0	1112.0
50°	1130.0	1131.7	1134.6	1133.9	1139.5	1143.0	1131.7	1129.6	1132.8	1122.6	1126.1
52.5°	1174.4	1179.0	1187.1	1193.4	1207.9	1218.8	1198.7	1181.8	1165.2	1142.7	1143.4
55°	1254.1	1256.2	1272.0	1290.7	1315.0	1337.2	1296.0	1243.5	1207.5	1181.1	1181.4
57.5°	1321.4	1324.5	1347.8	1386.9	1441.6	1476.1	1384.8	1297.1	1246.3	1213.9	1214.9
60°	1263.2	1259.0	1303.0	1370.0	1469.1	1513.1	1378.5	1258.6	1185.7	1145.5	1148.3
62.5°	977.4	969.3	1018.3	1088.4	1207.2	1251.2	1127.2	1012.3	943.2	911.8	907.2
65°	595.0	587.5	622.8	665.8	746.2	774.0	717.3	656.3	596.0	577.0	571.7
67.5°	323.9	322.9	332.4	353.5	388.8	401.8	390.9	362.0	346.5	333.1	333.1
70°	256.9	254.8	253.1	253.4	256.6	258.4	258.7	257.3	259.1	259.4	258.0
72.5°	212.9	212.2	208.7	209.0	207.6	206.9	209.4	210.8	213.6	213.9	213.9
75°	154.4	152.6	154.4	154.7	153.3	153.3	155.1	154.7	156.1	156.8	153.0
77.5°	87.8	87.8	90.2	93.0	95.2	95.2	96.9	96.9	98.7	98.3	97.6
80°	48.3	48.3	49.7	51.5	53.6	55.7	57.5	57.8	58.9	58.5	57.5
82.5°	27.5	27.8	28.5	29.6	31.7	33.5	35.2	35.6	36.7	36.7	35.6
85°	13.0	12.7	13.0	13.7	14.8	16.2	18.0	19.0	19.7	19.7	19.0
87.5°	2.5	2.8	2.5	2.8	3.2	4.2	4.9	5.6	6.7	7.0	6.3
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)