

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: P630869

Luminaire Tested: GWS-SA1E-750-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P630869
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-SA1E-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: 4079.1 lumens
Efficiency: N/A
Efficacy: 69.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

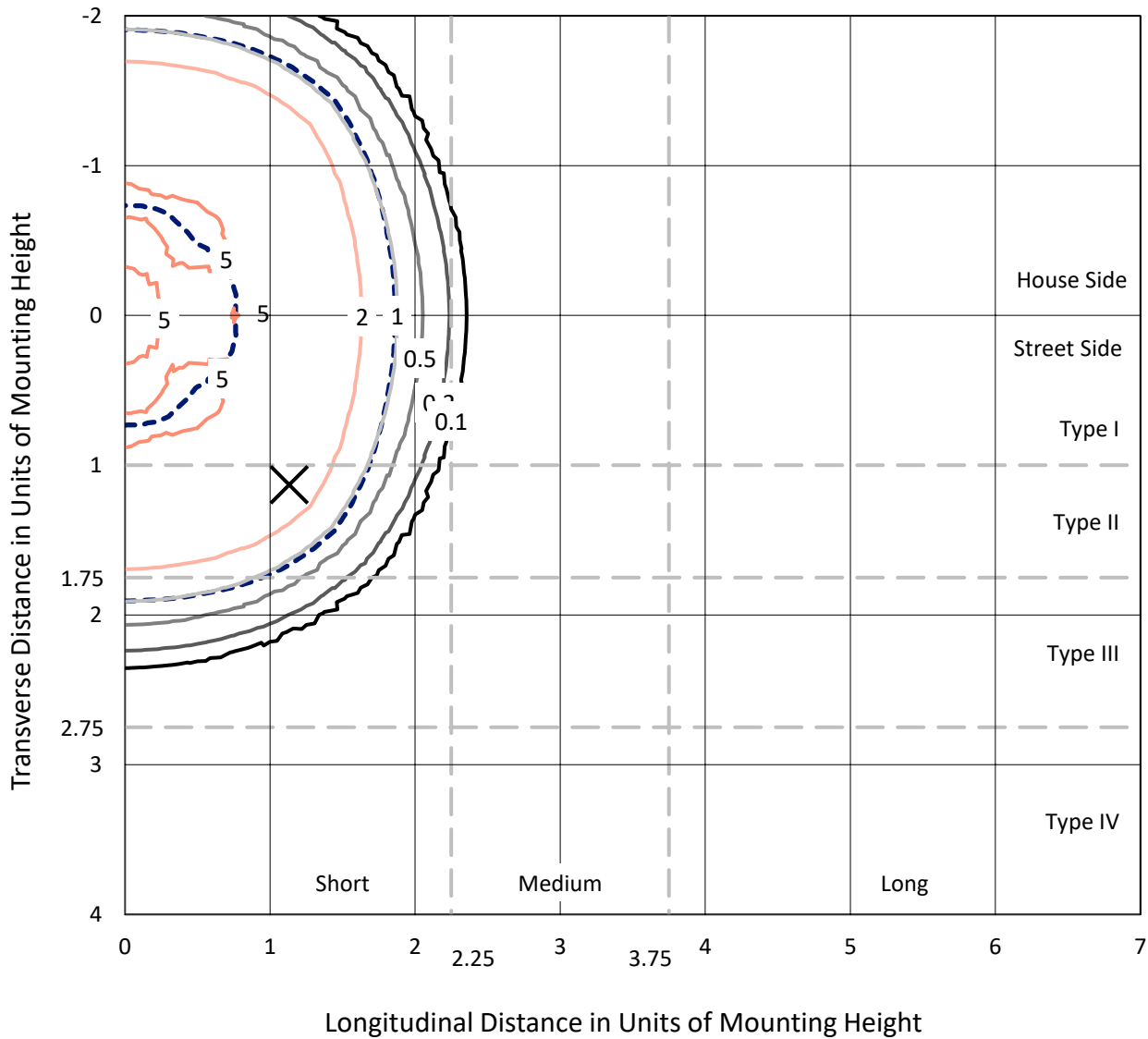
Input Watts (W): 58.4
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P630869
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Iso-Footcandle Lines of Horizontal Illumination

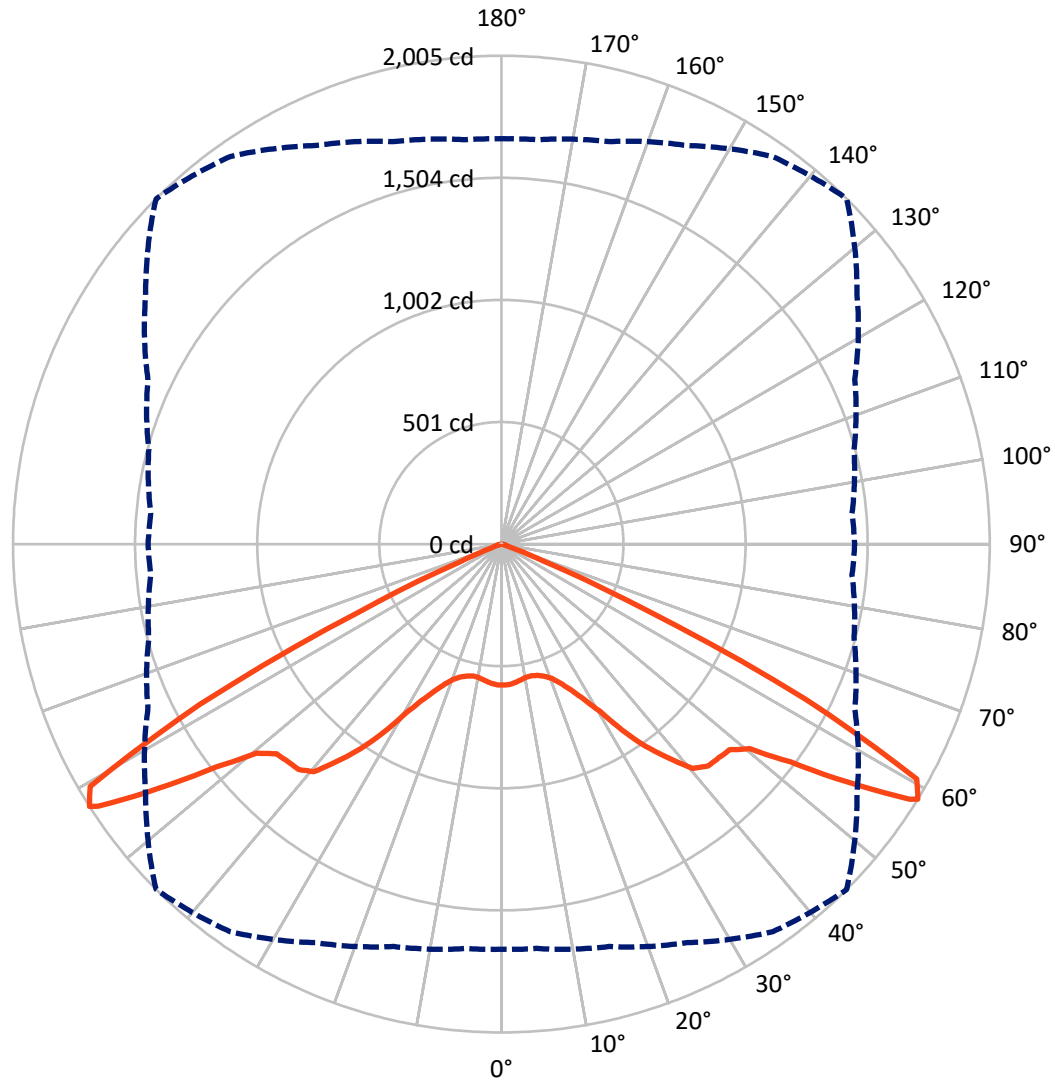
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 5.8 fc
 Type V - Short - N/A

REPORT NUMBER: P630869
CATALOG NUMBER: GWS-SA1E-750-U-5WQ-W-GRSBK

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	2039.6	0.0	2039.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2039.6	0.0	2039.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	4079.1	0.0	4079.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.0	1.3
10°-20°	159.7	3.9
20°-30°	302.0	7.4
30°-40°	595.7	14.6
40°-50°	942.7	23.1
50°-60°	1385.7	34.0
60°-70°	618.5	15.2
70°-80°	20.7	0.5
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°	4079.1	100.0
0°-180°	4079.1	100.0

Coefficient of Utilization



REPORT NUMBER: P630869

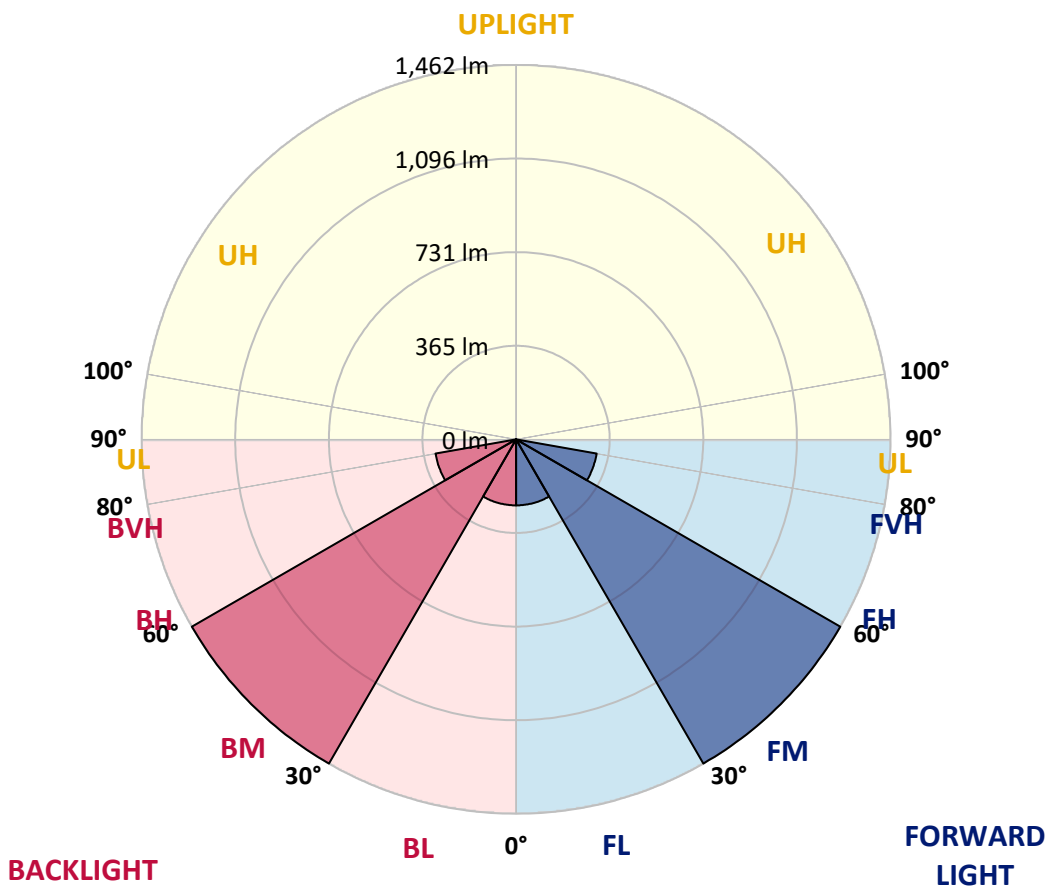
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	257.9	6.3			
FM (30°-60°)	1462.0	35.8			
FH (60°-80°)	319.6	7.8			G0/660
FVH (80°-90°)	0.1	0.0			G0/10
BL (0°-30°)	257.9	6.3	B1/500		
BM (30°-60°)	1462.0	35.8	B2/2500		
BH (60°-80°)	319.6	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°	578.5	578.5	578.5	578.5	578.5	578.5	578.5	578.5	578.5	578.5	578.5
2.5°	572.9	574.0	575.1	575.7	576.2	577.9	578.5	576.8	576.8	573.5	577.4
5°	570.1	571.2	572.4	571.8	571.8	571.8	571.2	569.0	568.5	565.1	569.0
7.5°	565.1	566.2	566.2	564.6	563.5	563.5	562.9	560.1	559.6	556.2	560.1
10°	561.2	561.8	561.2	557.9	555.7	555.7	555.1	554.0	554.6	552.4	555.7
12.5°	563.5	564.0	561.8	557.4	554.6	554.0	552.4	550.7	552.4	551.8	555.1
15°	570.7	571.2	567.4	561.8	559.6	559.6	555.1	550.7	552.9	553.5	557.4
17.5°	579.6	579.6	574.6	569.6	570.1	570.1	562.9	555.1	555.7	557.9	561.8
20°	590.1	590.1	585.1	584.0	587.9	588.5	579.6	567.4	564.6	566.2	570.7
22.5°	609.0	609.0	605.1	607.9	616.8	619.6	606.3	589.0	582.4	583.5	587.9
25°	638.5	638.5	637.4	644.0	656.8	662.9	645.2	622.4	611.3	609.6	614.6
27.5°	687.9	688.5	686.8	696.8	712.9	720.2	695.7	665.7	652.4	649.6	654.6
30°	751.8	751.8	752.4	766.3	787.4	796.9	764.6	729.6	714.1	705.2	711.8
32.5°	823.0	824.1	829.6	853.0	890.2	909.7	862.4	813.5	788.5	779.1	786.3
35°	940.2	929.7	923.0	940.2	994.1	1019.7	959.1	901.9	883.0	881.9	900.2
37.5°	1056.4	1050.2	1036.4	1054.1	1102.5	1114.2	1047.5	999.7	986.3	993.6	1011.9
40°	1148.6	1137.5	1119.2	1135.8	1199.2	1210.8	1128.6	1081.4	1076.4	1092.5	1117.5
42.5°	1221.4	1205.8	1181.4	1185.3	1236.4	1244.7	1171.9	1136.4	1139.7	1159.7	1188.1
45°	1254.2	1242.0	1220.3	1218.6	1250.9	1251.4	1194.2	1175.8	1184.7	1200.3	1222.5
47.5°	1268.1	1262.5	1250.3	1247.5	1265.9	1261.4	1225.8	1218.1	1226.4	1230.8	1243.6
50°	1302.5	1302.5	1304.2	1306.4	1325.3	1320.9	1295.9	1287.0	1276.4	1260.9	1264.7
52.5°	1399.2	1403.1	1419.2	1437.0	1471.5	1485.9	1445.3	1393.7	1343.1	1309.2	1309.2
55°	1573.7	1577.6	1596.5	1626.5	1689.8	1724.3	1629.8	1515.9	1446.5	1400.3	1406.4
57.5°	1669.8	1674.3	1713.2	1794.3	1917.1	1975.5	1772.6	1603.7	1506.5	1453.7	1458.1
58°	1663.7	1666.5	1710.4	1805.4	1942.1	2004.9	1782.6	1600.9	1498.7	1444.8	1450.3
60°	1478.1	1474.2	1544.3	1679.8	1872.7	1959.4	1683.2	1461.5	1342.5	1287.5	1290.3
62.5°	966.3	968.6	1029.1	1170.8	1320.9	1402.6	1175.8	1010.8	915.2	881.9	873.5
65°	403.4	396.2	433.4	512.3	602.4	647.9	556.8	471.2	412.3	390.1	396.2
67.5°	103.9	101.1	103.4	129.5	158.4	187.3	157.3	120.0	104.5	105.6	105.6
70°	58.9	55.6	45.0	41.7	40.6	40.6	40.6	40.6	46.7	55.0	56.7
72.5°	44.5	41.7	32.8	28.3	25.0	23.3	24.5	28.3	33.9	41.1	42.2
75°	22.2	22.2	20.0	18.9	16.7	15.6	16.1	17.8	20.6	23.3	22.8
77.5°	4.4	5.0	5.6	6.7	5.6	5.6	5.6	6.7	6.7	7.2	6.7
80°	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6	0.6
82.5°	0.0	0.6	0.6	0.0	0.0	0.0	0.0	0.6	0.6	0.6	0.6
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.6	0.6
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)