

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: P634328

Luminaire Tested: GWS-SA3B-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634328
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3B-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6500.8 lumens
Efficiency: N/A
Efficacy: 95.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

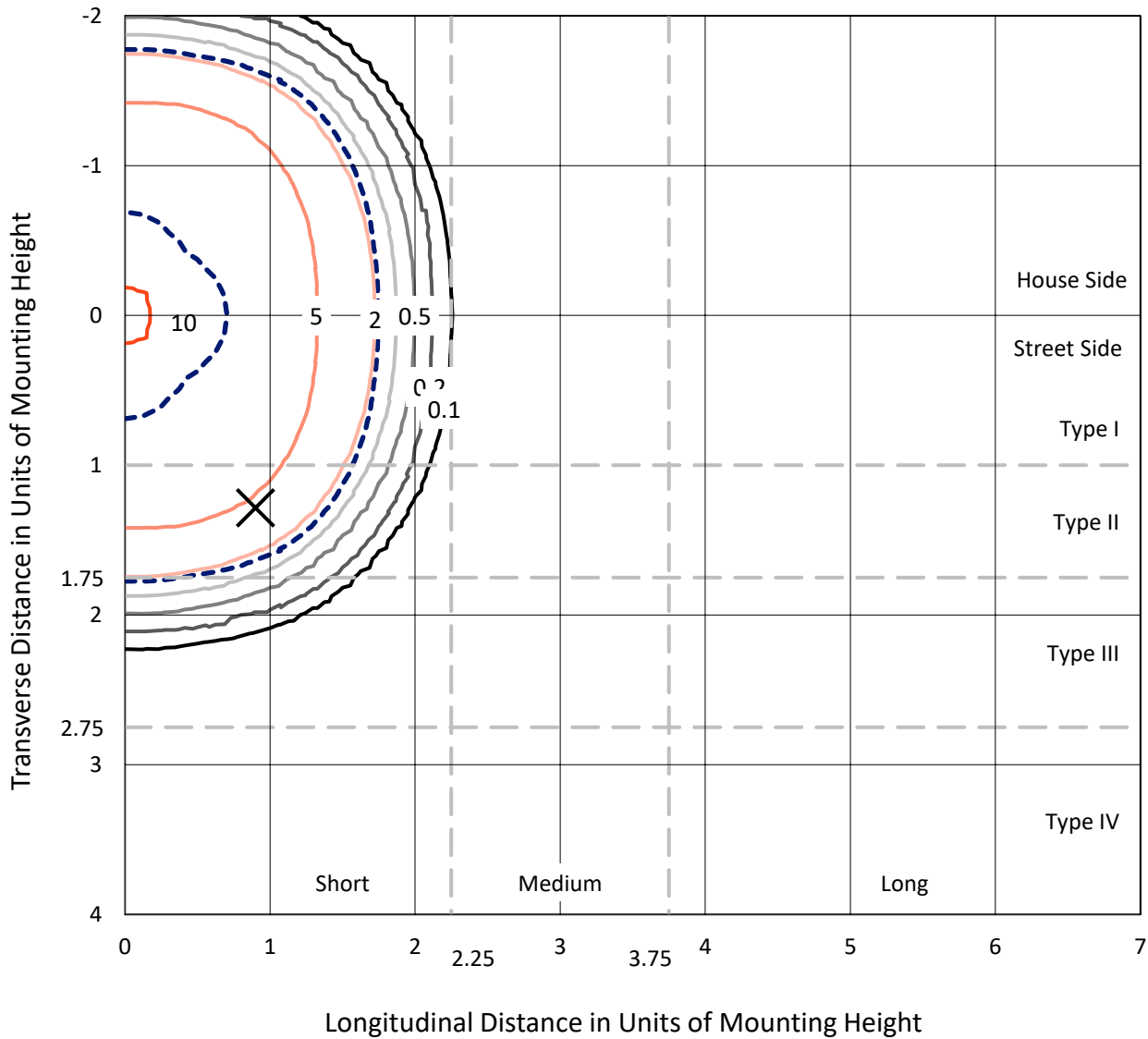
Input Watts (W): 68.3
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P634328
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Iso-Footcandle Lines of Horizontal Illumination

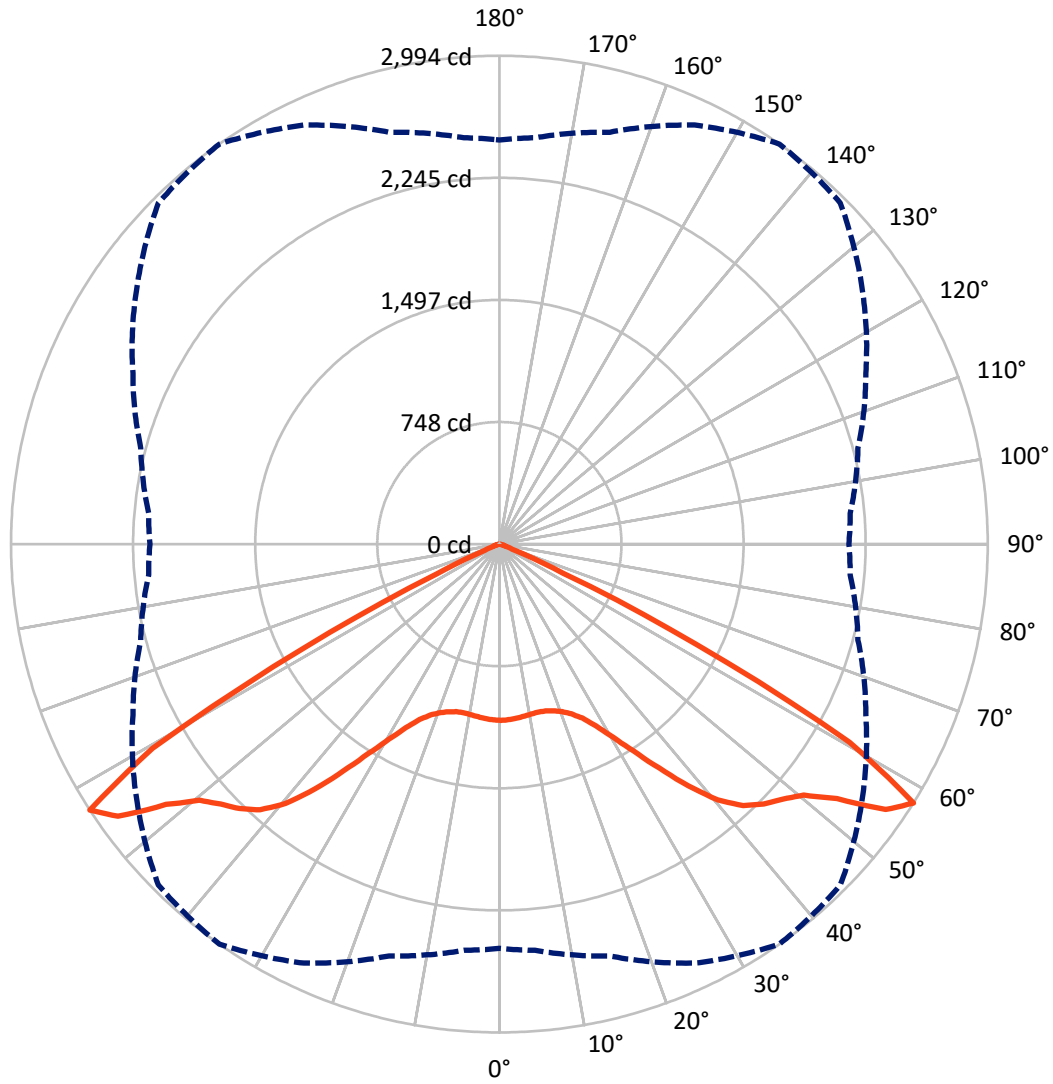
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - N/A

REPORT NUMBER: P634328
CATALOG NUMBER: GWS-SA3B-750-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3250.4	0.0	3250.4
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3250.4	0.0	3250.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	6500.8	0.0	6500.8
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	101.8	1.6
10°-20°	299.5	4.6
20°-30°	541.4	8.3
30°-40°	1010.1	15.5
40°-50°	1694.5	26.1
50°-60°	2237.7	34.4
60°-70°	594.3	9.1
70°-80°	21.1	0.3
80°-90°	0.4	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°	6500.8	100.0
0°-180°	6500.8	100.0

Coefficient of Utilization



REPORT NUMBER: P634328

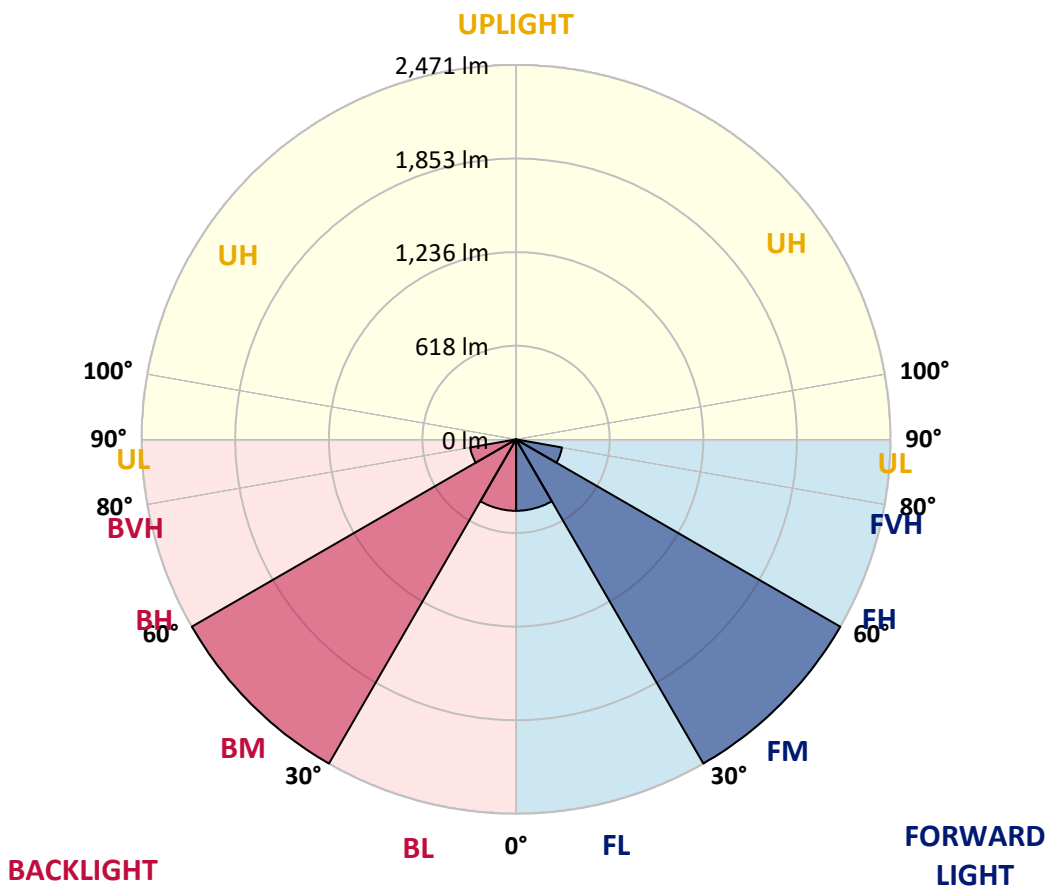
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	471.4	7.3			
FM (30°-60°)	2471.1	38.0			
FH (60°-80°)	307.7	4.7			G0/660
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	471.4	7.3	B1/500		
BM (30°-60°)	2471.1	38.0	B2/2500		
BH (60°-80°)	307.7	4.7	B1/500		G0/660
BVH (80°-90°)	0.2	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





REPORT NUMBER: P634328

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8	1080.8
2.5°	1073.2	1072.4	1075.5	1077.8	1077.8	1083.1	1081.6	1080.1	1078.5	1076.2	1081.6
5°	1071.7	1070.9	1073.2	1074.7	1073.2	1077.8	1074.7	1071.7	1070.1	1067.1	1073.2
7.5°	1064.8	1065.6	1067.1	1068.6	1066.3	1070.1	1066.3	1061.7	1057.9	1054.9	1060.2
10°	1054.1	1054.9	1056.4	1059.5	1060.2	1065.6	1060.2	1051.8	1046.5	1041.9	1047.3
12.5°	1048.8	1049.5	1051.8	1055.6	1056.4	1063.3	1056.4	1044.2	1036.6	1031.2	1036.6
15°	1050.3	1051.8	1054.9	1059.5	1061.0	1067.8	1058.7	1042.7	1032.0	1025.1	1029.7
17.5°	1055.6	1057.2	1061.7	1069.4	1074.7	1081.6	1070.1	1049.5	1035.1	1025.1	1029.7
20°	1062.5	1064.8	1072.4	1084.6	1096.1	1108.3	1093.8	1065.6	1046.5	1034.3	1038.1
22.5°	1081.6	1083.9	1094.5	1110.6	1129.6	1144.9	1127.3	1091.5	1065.6	1049.5	1053.4
25°	1120.5	1122.8	1136.5	1157.1	1181.5	1201.3	1179.2	1134.2	1100.6	1082.3	1083.9
27.5°	1181.5	1183.8	1199.8	1228.8	1261.6	1289.8	1257.8	1205.1	1167.0	1145.7	1145.7
30°	1258.5	1261.6	1282.9	1321.8	1372.9	1410.3	1366.8	1302.8	1254.0	1225.0	1225.7
32.5°	1357.7	1354.6	1385.2	1438.5	1511.0	1560.6	1496.5	1418.7	1358.5	1318.0	1321.8
35°	1485.1	1484.3	1518.6	1591.1	1685.7	1745.2	1668.9	1568.2	1495.8	1454.6	1455.3
37.5°	1649.1	1648.3	1688.0	1766.5	1880.2	1929.8	1844.3	1742.1	1664.3	1624.7	1629.2
40°	1841.3	1836.7	1871.8	1947.3	2061.0	2093.0	1999.9	1917.6	1842.8	1817.6	1829.8
42.5°	2024.3	2014.4	2035.0	2103.7	2191.4	2196.0	2125.8	2069.3	2018.2	1998.4	2006.0
45°	2171.5	2163.9	2183.0	2222.7	2273.0	2250.1	2216.6	2199.0	2157.8	2136.5	2143.3
47.5°	2281.4	2281.4	2304.3	2328.7	2336.3	2294.4	2299.7	2299.7	2258.5	2224.9	2216.6
50°	2376.0	2382.8	2417.2	2442.3	2417.2	2363.8	2394.3	2388.2	2304.3	2237.1	2219.6
52.5°	2527.0	2533.9	2586.5	2620.8	2592.6	2540.0	2543.8	2467.5	2343.9	2264.6	2237.1
55°	2687.2	2703.9	2780.2	2871.8	2872.5	2818.4	2717.7	2582.7	2432.4	2346.2	2318.0
57.5°	2477.4	2500.3	2613.9	2834.4	2993.8	2956.4	2716.2	2478.9	2276.0	2158.6	2142.6
60°	1704.7	1744.4	1858.1	2159.3	2466.7	2481.2	2197.5	1931.3	1698.6	1553.7	1556.8
62.5°	720.0	760.5	824.5	1072.4	1354.6	1372.2	1234.9	1044.2	854.3	749.8	765.8
65°	169.3	180.8	199.8	296.7	430.2	450.0	414.9	323.4	238.7	202.1	205.9
67.5°	74.0	75.5	71.7	76.3	94.6	96.9	93.8	82.4	77.8	79.3	79.3
70°	51.9	52.6	49.6	47.3	45.0	42.0	43.5	48.1	51.9	54.9	54.2
72.5°	32.0	32.8	33.6	33.6	31.3	28.2	29.7	32.8	33.6	34.3	33.6
75°	16.0	16.8	18.3	19.1	18.3	17.5	17.5	18.3	18.3	17.5	17.5
77.5°	3.1	3.8	5.3	6.1	6.1	6.1	6.1	6.1	6.9	6.1	6.1
80°	0.8	0.8	1.5	0.8	0.8	0.8	0.8	0.8	0.8	1.5	1.5
82.5°	0.8	0.8	0.8	0.8	0.0	0.0	0.8	0.8	0.8	0.8	0.8
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.8	0.8	0.8
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)