

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: P634831

Luminaire Tested: GWS-SA3C-750-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P634831
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3C-750-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14466.1 lumens
Efficiency: N/A
Efficacy: 155.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

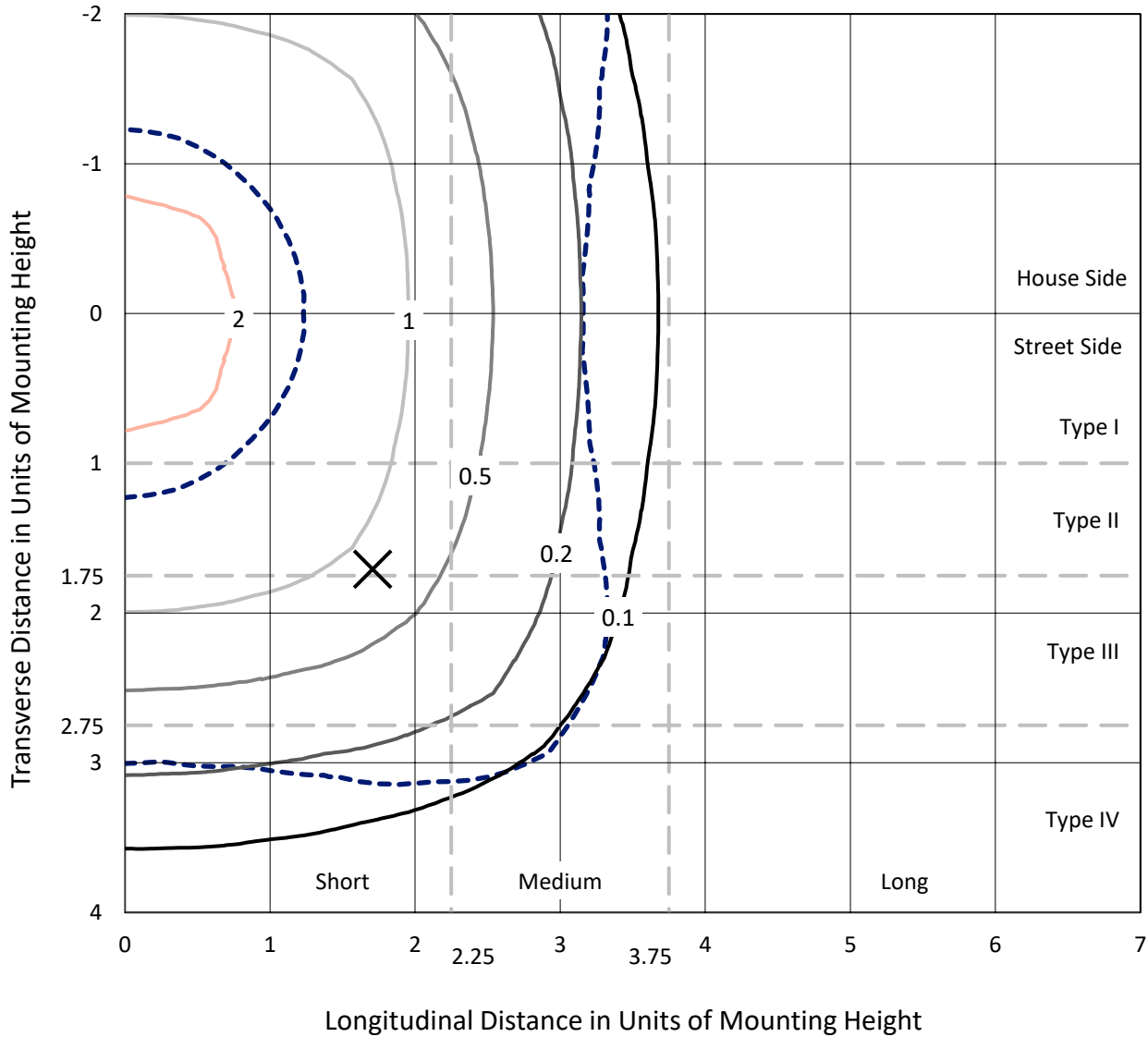
Input Watts (W): 93
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

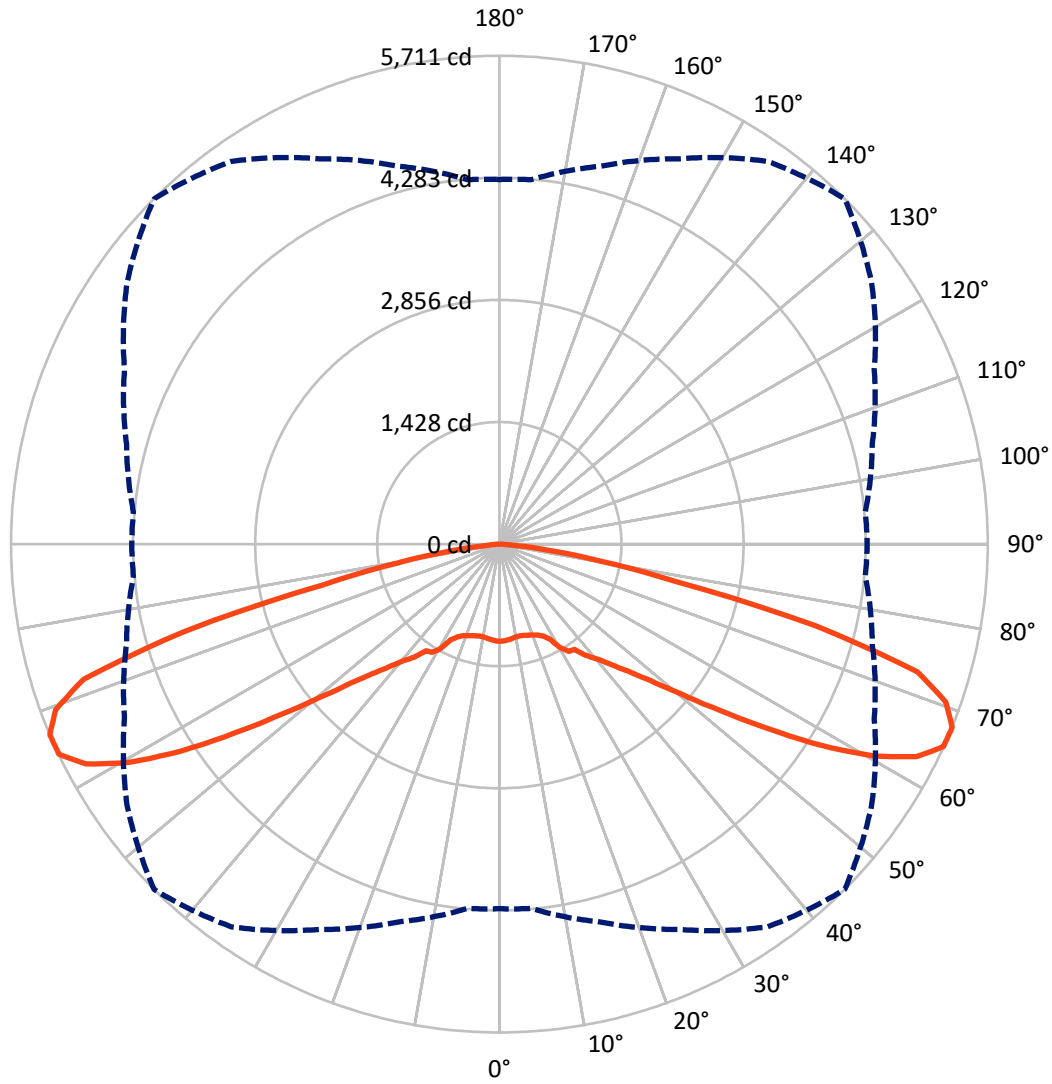
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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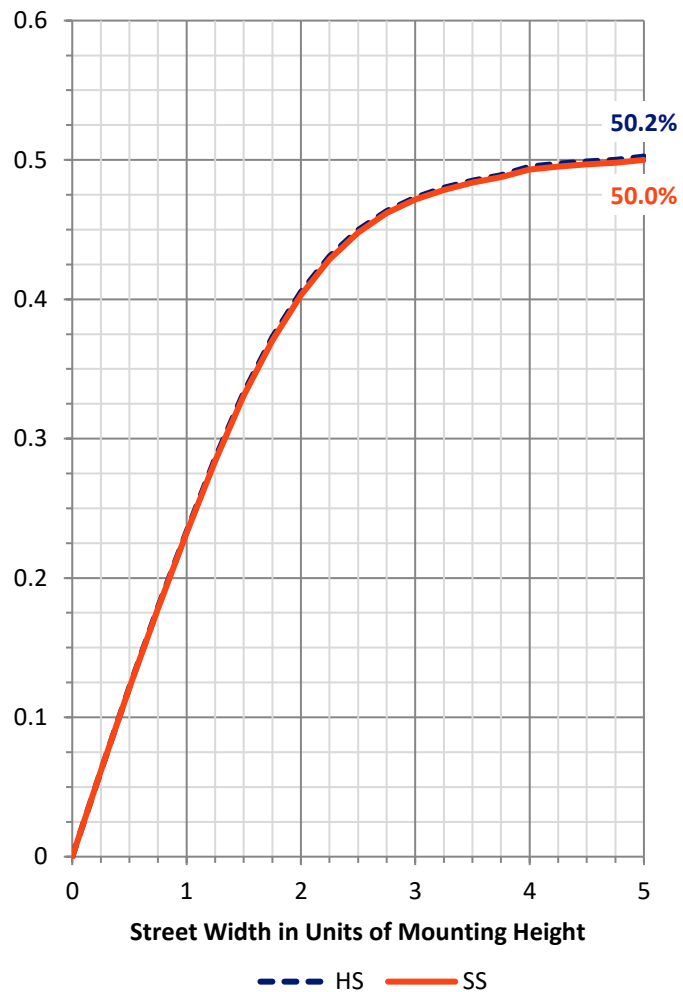
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7233.0	0.0	7233.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7233.0	0.0	7233.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14466.1	0.0	14466.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	106.5	0.7
10°-20°	316.1	2.2
20°-30°	567.0	3.9
30°-40°	957.9	6.6
40°-50°	1683.0	11.6
50°-60°	3246.5	22.4
60°-70°	4710.2	32.6
70°-80°	2695.0	18.6
80°-90°	183.9	1.3
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°	14466.1	100.0
0°-180°	14466.1	100.0

Coefficient of Utilization



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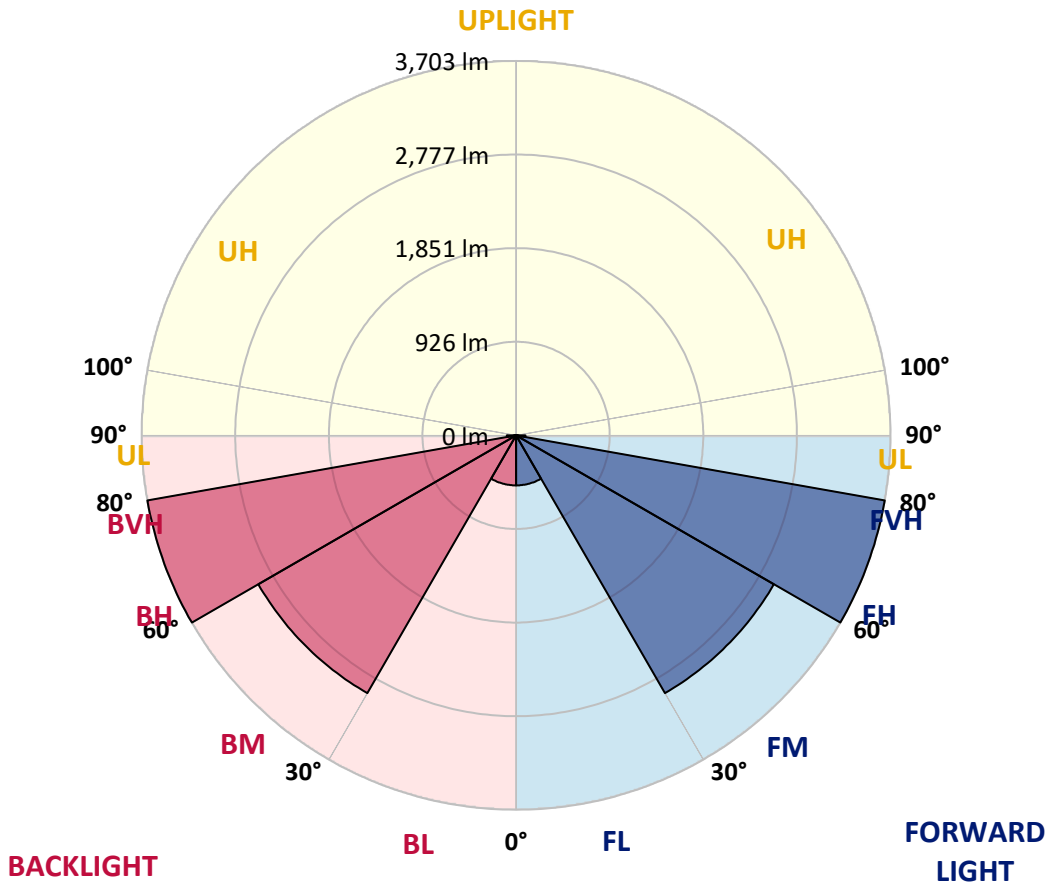
CATALOG NUMBER: GWS-SA3C-750-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	494.8	3.4			
FM (30°-60°)	2943.7	20.3			
FH (60°-80°)	3702.6	25.6			G2/5000
FVH (80°-90°)	92.0	0.6			G1/100
BL (0°-30°)	494.8	3.4	B1/500		
BM (30°-60°)	2943.7	20.3	B3/5000		
BH (60°-80°)	3702.6	25.6	B4/5000		G2/5000
BVH (80°-90°)	92.0	0.6			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4	1134.4
2.5°	1125.2	1126.3	1128.3	1128.3	1130.3	1133.4	1134.4	1132.4	1133.4	1128.3	1133.4
5°	1122.2	1123.2	1124.2	1122.2	1122.2	1123.2	1123.2	1121.1	1122.2	1117.0	1122.2
7.5°	1115.0	1116.0	1116.0	1113.0	1109.9	1111.9	1111.9	1109.9	1110.9	1105.8	1111.9
10°	1108.9	1108.9	1107.8	1101.7	1098.6	1101.7	1102.7	1103.7	1107.8	1103.7	1110.9
12.5°	1113.0	1113.0	1109.9	1101.7	1096.6	1098.6	1100.7	1102.7	1109.9	1108.9	1117.0
15°	1124.2	1125.2	1117.0	1107.8	1104.8	1107.8	1105.8	1104.8	1114.0	1117.0	1126.3
17.5°	1133.4	1133.4	1123.2	1114.0	1115.0	1120.1	1116.0	1110.9	1120.1	1126.3	1136.5
20°	1141.6	1140.6	1129.3	1123.2	1127.3	1134.4	1131.4	1124.2	1130.3	1137.5	1146.7
22.5°	1162.1	1161.0	1148.8	1145.7	1149.8	1156.9	1153.9	1147.7	1154.9	1165.1	1176.4
25°	1220.4	1218.3	1199.9	1189.7	1187.6	1192.7	1191.7	1189.7	1200.9	1213.2	1226.5
27.5°	1298.1	1297.1	1283.8	1273.6	1260.3	1256.2	1259.2	1268.4	1284.8	1294.0	1305.3
30°	1337.0	1337.0	1334.9	1351.3	1379.9	1407.6	1386.1	1351.3	1337.0	1332.9	1344.1
32.5°	1388.1	1393.2	1386.1	1404.5	1452.6	1493.5	1452.6	1396.3	1386.1	1386.1	1398.4
35°	1505.8	1507.8	1496.6	1493.5	1508.8	1513.9	1494.5	1474.1	1485.3	1487.4	1502.7
37.5°	1599.9	1599.9	1594.8	1602.9	1634.7	1654.1	1622.4	1585.6	1588.6	1590.7	1610.1
40°	1745.1	1749.2	1736.9	1735.9	1748.2	1765.6	1731.8	1708.3	1724.7	1729.8	1759.5
42.5°	1926.2	1926.2	1907.8	1902.7	1910.8	1929.3	1897.5	1882.2	1903.7	1907.8	1925.2
45°	2142.0	2147.1	2122.6	2113.4	2117.5	2123.6	2101.1	2094.0	2114.4	2123.6	2154.3
47.5°	2404.9	2410.0	2388.6	2387.5	2383.4	2387.5	2366.1	2362.0	2378.3	2371.2	2403.9
50°	2729.2	2738.4	2720.0	2745.6	2742.5	2754.8	2725.1	2703.6	2703.6	2684.2	2702.6
52.5°	3092.3	3110.8	3120.0	3162.9	3195.7	3226.3	3177.2	3143.5	3094.4	3054.5	3104.6
55°	3488.2	3483.1	3541.4	3635.5	3731.7	3804.3	3708.1	3601.8	3522.0	3439.1	3458.6
57.5°	3835.0	3852.4	3929.1	4101.0	4291.2	4444.7	4271.8	4067.2	3886.1	3767.5	3783.8
60°	4123.5	4137.8	4240.1	4487.6	4820.1	5031.8	4757.7	4420.1	4157.2	3993.5	4010.9
62.5°	4389.4	4402.7	4506.0	4779.2	5198.6	5474.8	5120.8	4659.5	4366.9	4202.2	4212.5
65°	4542.9	4551.0	4692.2	4979.7	5421.6	5707.0	5308.0	4832.4	4544.9	4377.1	4383.3
67.5°	4263.6	4276.9	4574.6	4971.5	5464.5	5711.1	5316.2	4837.5	4514.2	4295.3	4300.4
70°	3363.4	3352.2	3707.1	4389.4	5218.0	5539.2	5079.9	4474.3	3975.1	3669.3	3664.2
72.5°	2564.5	2567.6	2765.0	3232.5	4254.4	5111.6	4482.5	3602.8	3064.7	2832.5	2823.3
75°	1859.7	1888.3	2048.9	2391.6	2975.7	3820.7	3374.7	2669.9	2309.8	2170.7	2150.2
77.5°	837.8	874.6	1098.6	1501.7	1989.6	2111.3	2119.5	1812.6	1367.7	1136.5	1100.7
80°	244.5	261.9	336.5	575.9	926.8	1197.9	951.3	799.9	498.2	390.8	372.3
82.5°	103.3	117.6	144.2	159.6	269.0	555.5	345.8	219.9	204.6	165.7	151.4
85°	44.0	47.1	60.4	64.4	86.9	118.7	109.5	99.2	95.1	73.7	67.5
87.5°	18.4	18.4	18.4	16.4	15.3	16.4	22.5	28.6	37.8	29.7	27.6
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)