

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: P635214

Luminaire Tested: GWS-SA3D-735-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635214
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-SA3D-735-U-5WQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9134.2 lumens
Efficiency: N/A
Efficacy: 75.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

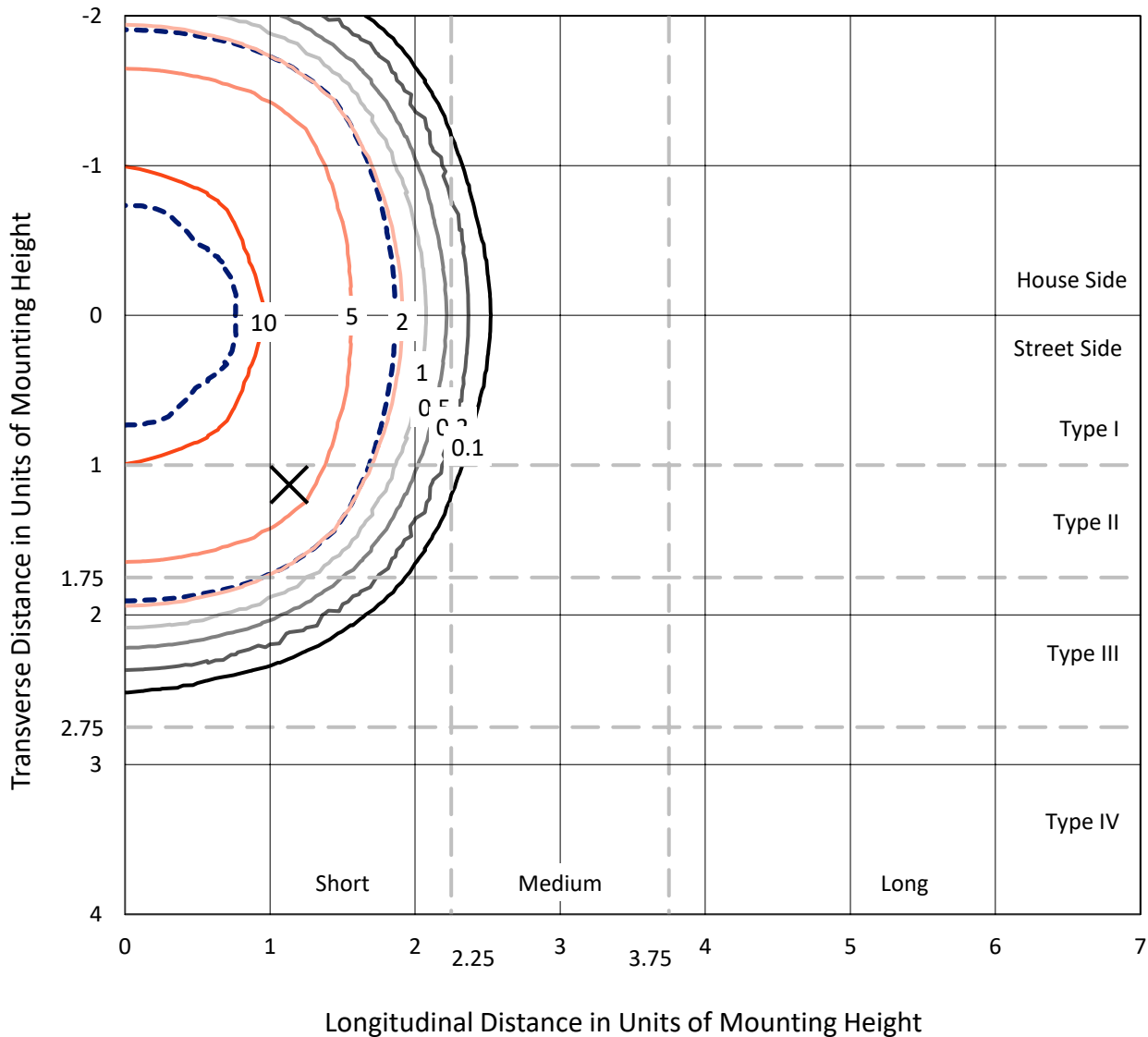
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

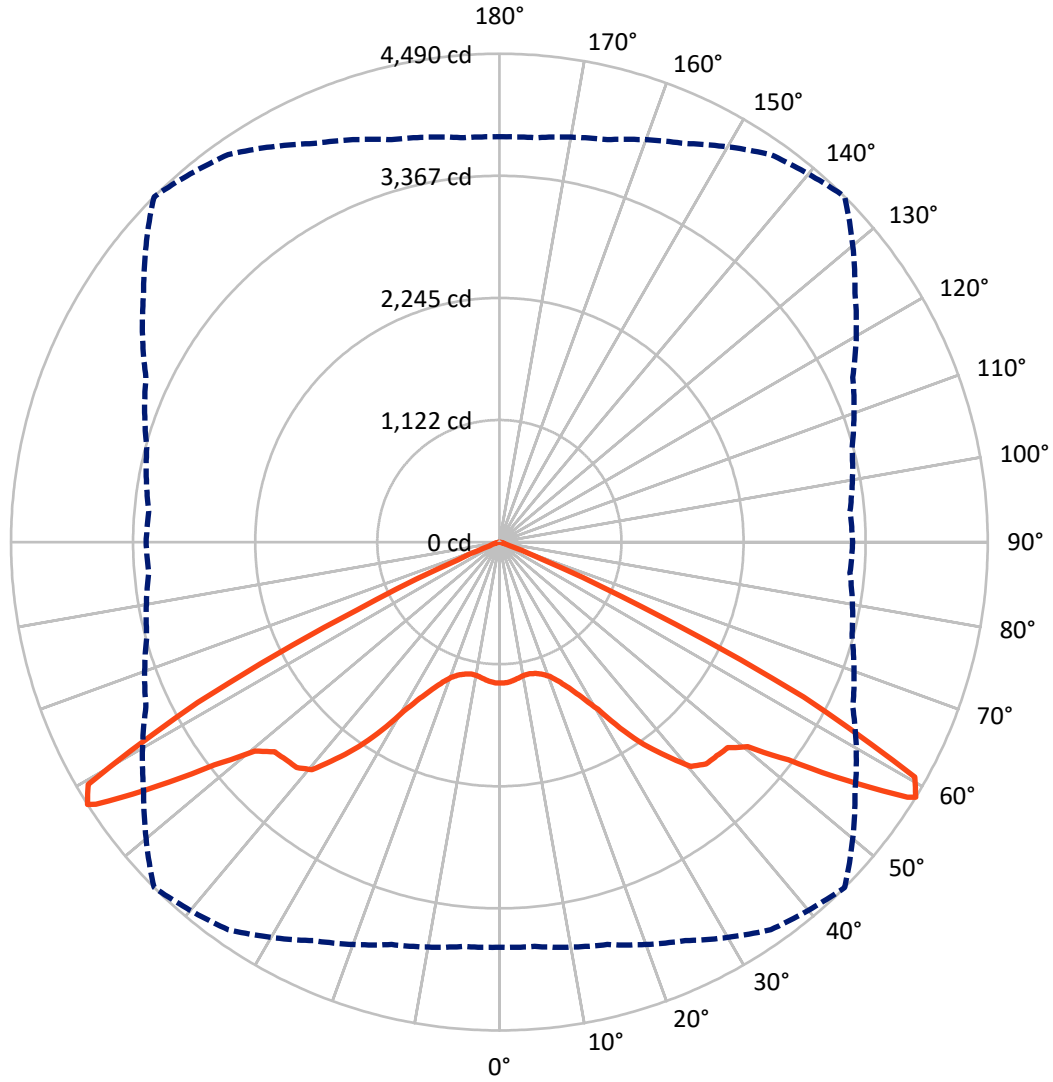
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13 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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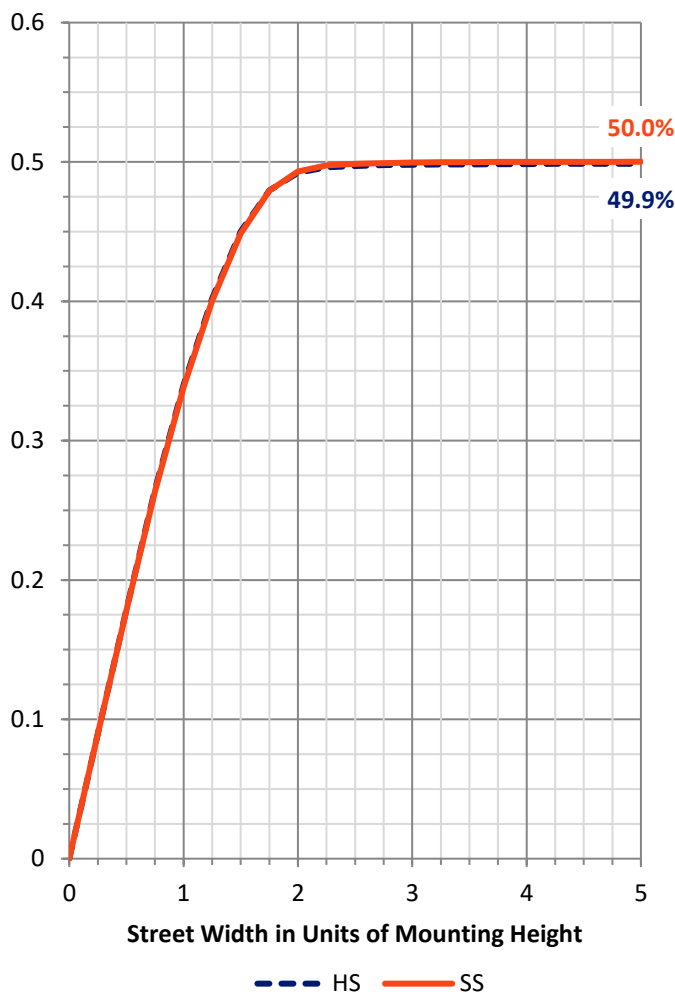
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4567.1	0.0	4567.1
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4567.1	0.0	4567.1
	% Fixture	50.0	0.0	50.0
Total	Lumens	9134.2	0.0	9134.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	120.9	1.3
10°-20°	357.6	3.9
20°-30°	676.3	7.4
30°-40°	1333.9	14.6
40°-50°	2110.9	23.1
50°-60°	3102.9	34.0
60°-70°	1385.0	15.2
70°-80°	46.4	0.5
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°	9134.2	100.0
0°-180°	9134.2	100.0

Coefficient of Utilization



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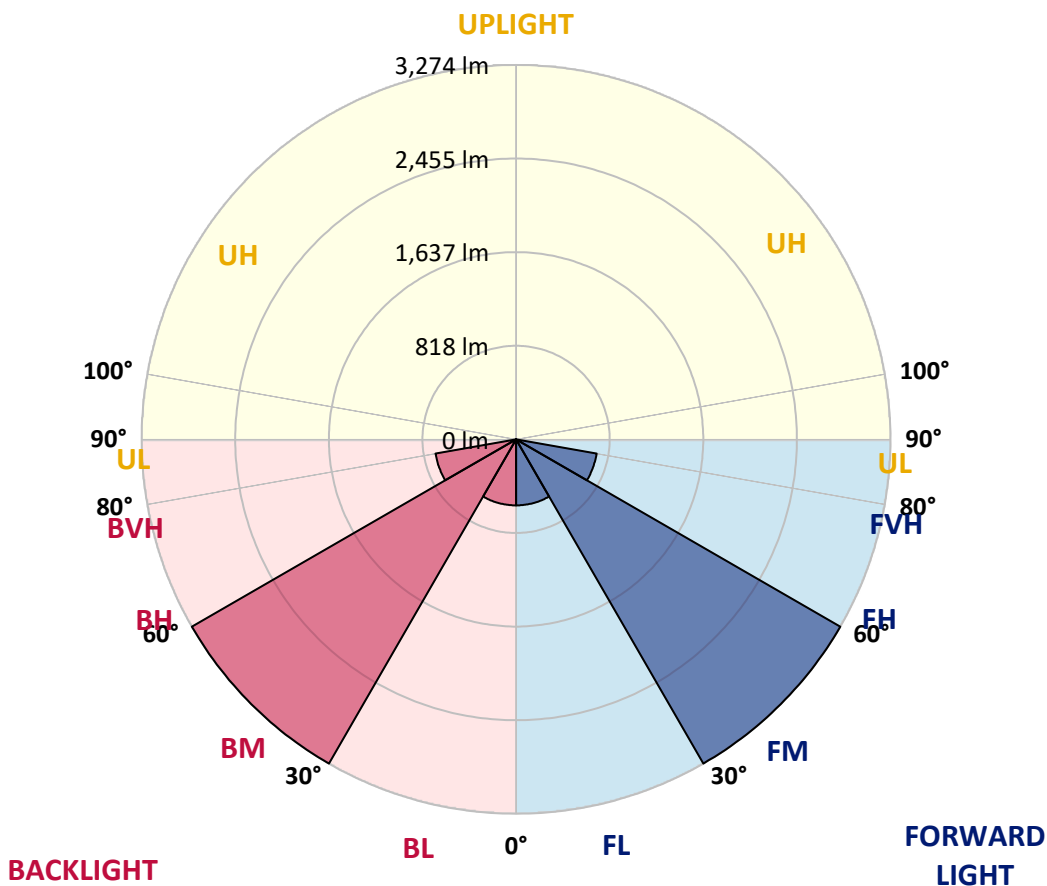
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	577.4	6.3			
FM (30°-60°)	3273.8	35.8			
FH (60°-80°)	715.7	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	577.4	6.3	B2/1000		
BM (30°-60°)	3273.8	35.8	B3/5000		
BH (60°-80°)	715.7	7.8	B2/1000		G1/1800
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: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4	1295.4
2.5°	1282.9	1285.4	1287.9	1289.1	1290.4	1294.1	1295.4	1291.6	1291.6	1284.2	1292.9
5°	1276.7	1279.2	1281.7	1280.4	1280.4	1280.4	1279.2	1274.2	1273.0	1265.5	1274.2
7.5°	1265.5	1268.0	1268.0	1264.2	1261.8	1261.8	1260.5	1254.3	1253.0	1245.6	1254.3
10°	1256.8	1258.0	1256.8	1249.3	1244.3	1244.3	1243.1	1240.6	1241.8	1236.9	1244.3
12.5°	1261.8	1263.0	1258.0	1248.1	1241.8	1240.6	1236.9	1233.1	1236.9	1235.6	1243.1
15°	1277.9	1279.2	1270.5	1258.0	1253.0	1253.0	1243.1	1233.1	1238.1	1239.4	1248.1
17.5°	1297.8	1297.8	1286.6	1275.4	1276.7	1276.7	1260.5	1243.1	1244.3	1249.3	1258.0
20°	1321.5	1321.5	1310.3	1307.8	1316.5	1317.7	1297.8	1270.5	1264.2	1268.0	1277.9
22.5°	1363.8	1363.8	1355.1	1361.3	1381.2	1387.4	1357.6	1319.0	1304.1	1306.6	1316.5
25°	1429.7	1429.7	1427.3	1442.2	1470.8	1484.5	1444.7	1393.7	1368.8	1365.0	1376.2
27.5°	1540.5	1541.7	1538.0	1560.4	1596.5	1612.7	1557.9	1490.7	1460.8	1454.6	1465.8
30°	1683.6	1683.6	1684.8	1715.9	1763.2	1784.4	1712.2	1633.8	1599.0	1579.1	1594.0
32.5°	1842.9	1845.3	1857.8	1910.1	1993.4	2037.0	1931.2	1821.7	1765.7	1744.6	1760.7
35°	2105.4	2081.8	2066.8	2105.4	2226.1	2283.4	2147.7	2019.6	1977.2	1974.8	2015.8
37.5°	2365.5	2351.8	2320.7	2360.5	2468.8	2494.9	2345.6	2238.6	2208.7	2224.9	2265.9
40°	2572.0	2547.2	2506.1	2543.4	2685.3	2711.4	2527.2	2421.5	2410.3	2446.4	2502.4
42.5°	2735.0	2700.2	2645.5	2654.2	2768.6	2787.3	2624.3	2544.7	2552.1	2596.9	2660.4
45°	2808.5	2781.1	2732.6	2728.8	2801.0	2802.2	2674.1	2633.0	2652.9	2687.8	2737.5
47.5°	2839.6	2827.1	2799.8	2793.5	2834.6	2824.6	2745.0	2727.6	2746.2	2756.2	2784.8
50°	2916.7	2916.7	2920.5	2925.4	2967.7	2957.8	2901.8	2881.9	2858.2	2823.4	2832.1
52.5°	3133.2	3141.9	3178.0	3217.8	3295.0	3327.3	3236.5	3120.8	3007.6	2931.6	2931.6
55°	3524.0	3532.7	3575.0	3642.2	3784.0	3861.2	3649.6	3394.5	3239.0	3135.7	3149.4
57.5°	3739.2	3749.2	3836.3	4018.0	4293.0	4423.6	3969.4	3591.1	3373.4	3255.2	3265.1
58°	3725.5	3731.8	3830.1	4042.8	4348.9	4489.6	3991.8	3584.9	3356.0	3235.3	3247.7
60°	3309.9	3301.2	3458.0	3761.6	4193.4	4387.5	3769.1	3272.6	3006.3	2883.1	2889.3
62.5°	2163.9	2168.9	2304.5	2621.8	2957.8	3140.7	2633.0	2263.4	2049.4	1974.8	1956.1
65°	903.4	887.2	970.6	1147.3	1348.9	1450.9	1246.8	1055.2	923.3	873.5	887.2
67.5°	232.7	226.5	231.4	289.9	354.6	419.3	352.1	268.8	233.9	236.4	236.4
70°	131.9	124.4	100.8	93.3	90.8	90.8	90.8	90.8	104.5	123.2	126.9
72.5°	99.5	93.3	73.4	63.5	56.0	52.3	54.8	63.5	75.9	92.1	94.6
75°	49.8	49.8	44.8	42.3	37.3	34.8	36.1	39.8	46.0	52.3	51.0
77.5°	10.0	11.2	12.4	14.9	12.4	12.4	12.4	14.9	14.9	16.2	14.9
80°	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
82.5°	0.0	1.2	1.2	0.0	0.0	0.0	0.0	1.2	1.2	1.2	1.2
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.2	1.2
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)