

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: P635216

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635216
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-SA3D-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (48) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 17596.5 lumens
Efficiency: N/A
Efficacy: 145.7 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

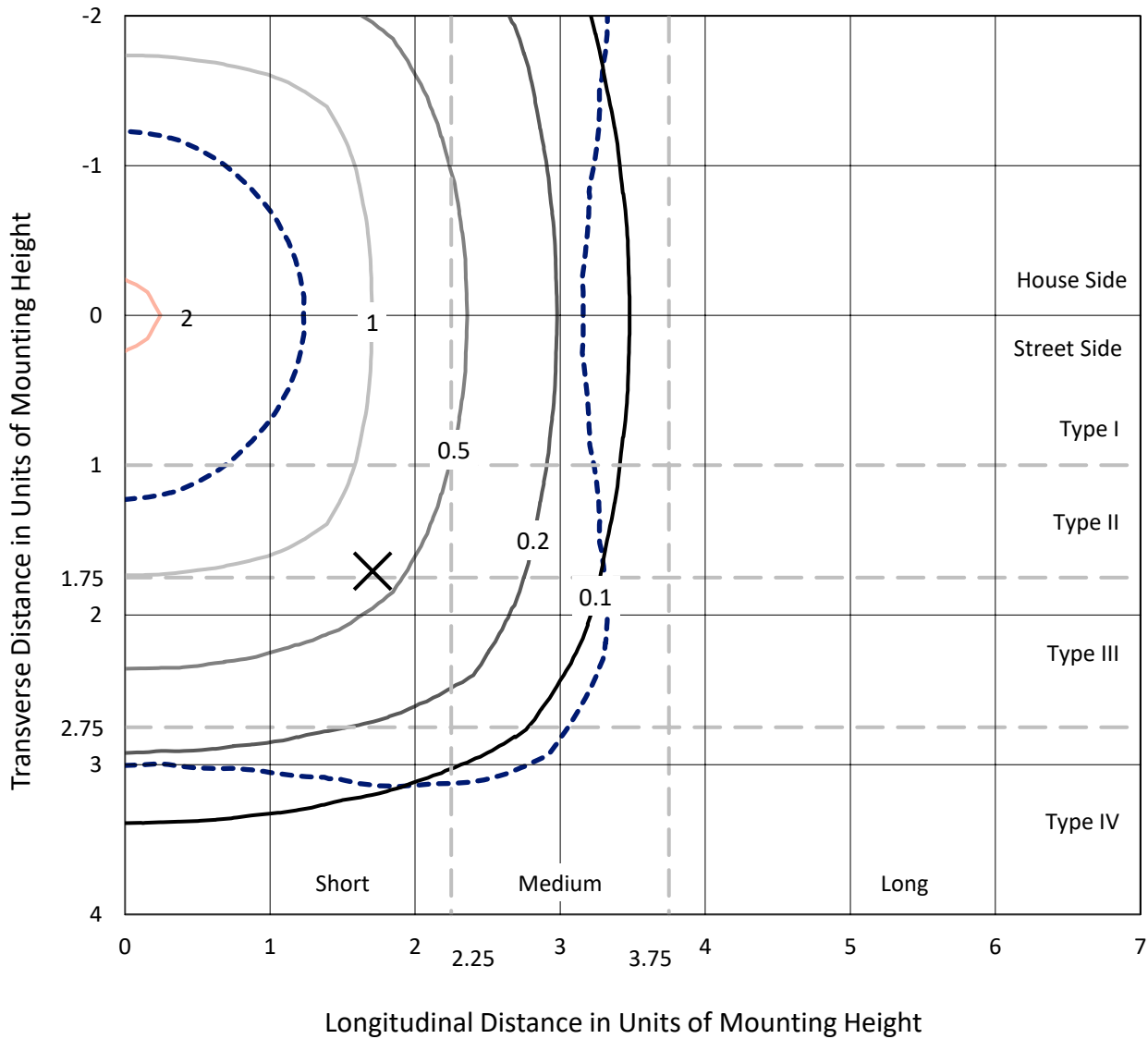
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635216
 CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

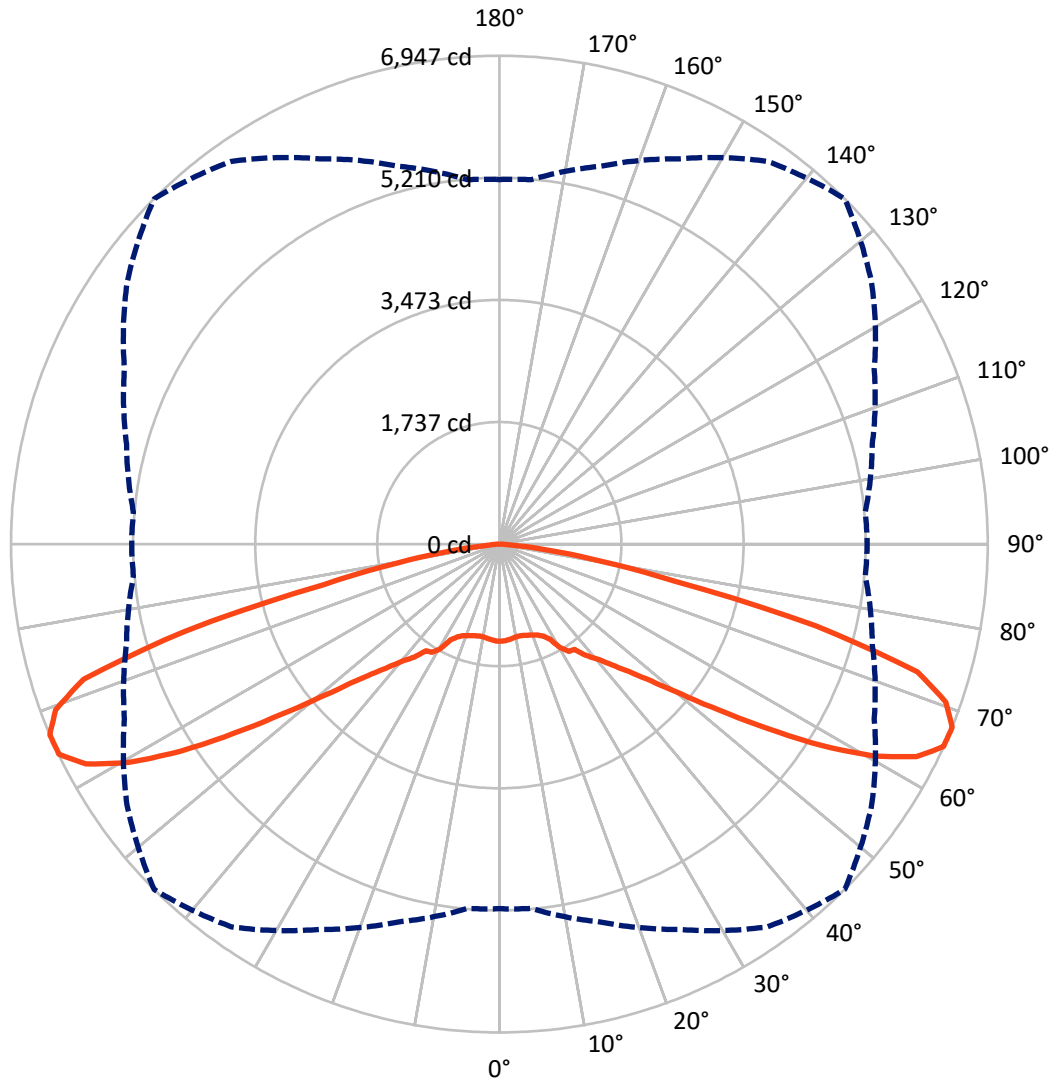
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.2 fc
 Type V - Short - N/A

REPORT NUMBER: P635216
CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P635216

CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8798.3	0.0	8798.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8798.3	0.0	8798.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	17596.5	0.0	17596.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	129.6	0.7
10°-20°	384.5	2.2
20°-30°	689.7	3.9
30°-40°	1165.1	6.6
40°-50°	2047.2	11.6
50°-60°	3949.0	22.4
60°-70°	5729.5	32.6
70°-80°	3278.2	18.6
80°-90°	223.7	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°	17596.5	100.0
0°-180°	17596.5	100.0

Coefficient of Utilization



REPORT NUMBER: P635216

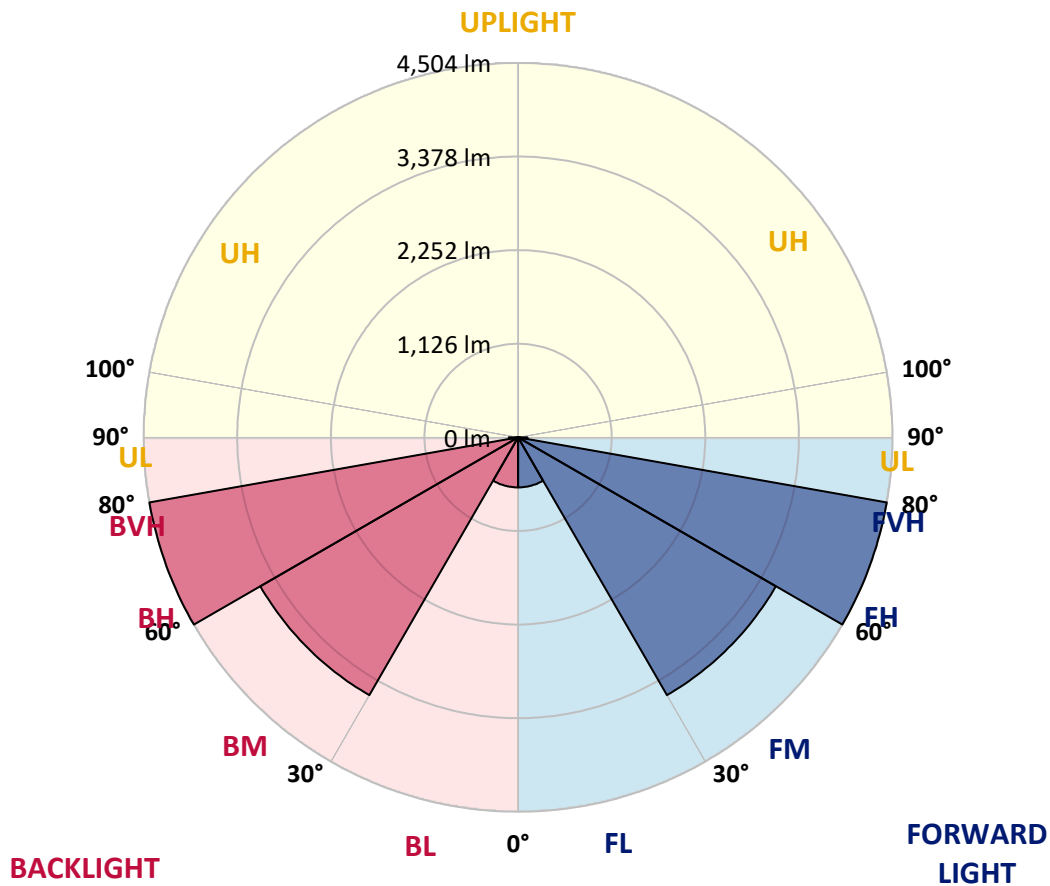
CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	601.9	3.4			
FM (30°-60°)	3580.7	20.3			
FH (60°-80°)	4503.8	25.6			G2/5000
FVH (80°-90°)	111.9	0.6			G2/225
BL (0°-30°)	601.9	3.4	B2/1000		
BM (30°-60°)	3580.7	20.3	B3/5000		
BH (60°-80°)	4503.8	25.6	B4/5000		G2/5000
BVH (80°-90°)	111.9	0.6			G2/225
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





REPORT NUMBER: P635216
 CATALOG NUMBER: GWS-SA3D-735-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9	1379.9
2.5°	1368.7	1370.0	1372.5	1372.5	1374.9	1378.7	1379.9	1377.4	1378.7	1372.5	1378.7
5°	1365.0	1366.2	1367.5	1365.0	1365.0	1366.2	1366.2	1363.7	1365.0	1358.8	1365.0
7.5°	1356.3	1357.5	1357.5	1353.8	1350.1	1352.6	1352.6	1350.1	1351.3	1345.1	1352.6
10°	1348.8	1348.8	1347.6	1340.1	1336.4	1340.1	1341.4	1342.6	1347.6	1342.6	1351.3
12.5°	1353.8	1353.8	1350.1	1340.1	1333.9	1336.4	1338.9	1341.4	1350.1	1348.8	1358.8
15°	1367.5	1368.7	1358.8	1347.6	1343.8	1347.6	1345.1	1343.8	1355.0	1358.8	1370.0
17.5°	1378.7	1378.7	1366.2	1355.0	1356.3	1362.5	1357.5	1351.3	1362.5	1370.0	1382.4
20°	1388.6	1387.4	1373.7	1366.2	1371.2	1379.9	1376.2	1367.5	1374.9	1383.7	1394.9
22.5°	1413.5	1412.3	1397.3	1393.6	1398.6	1407.3	1403.6	1396.1	1404.8	1417.3	1430.9
25°	1484.4	1482.0	1459.6	1447.1	1444.6	1450.8	1449.6	1447.1	1460.8	1475.7	1491.9
27.5°	1579.0	1577.8	1561.6	1549.1	1533.0	1528.0	1531.7	1542.9	1562.8	1574.0	1587.7
30°	1626.3	1626.3	1623.8	1643.7	1678.6	1712.2	1686.0	1643.7	1626.3	1621.3	1635.0
32.5°	1688.5	1694.7	1686.0	1708.4	1766.9	1816.7	1766.9	1698.5	1686.0	1686.0	1701.0
35°	1831.6	1834.1	1820.4	1816.7	1835.3	1841.6	1817.9	1793.0	1806.7	1809.2	1827.9
37.5°	1946.1	1946.1	1939.9	1949.8	1988.4	2012.0	1973.5	1928.7	1932.4	1934.9	1958.5
40°	2122.8	2127.7	2112.8	2111.6	2126.5	2147.7	2106.6	2078.0	2097.9	2104.1	2140.2
42.5°	2343.0	2343.0	2320.6	2314.4	2324.3	2346.7	2308.2	2289.5	2315.6	2320.6	2341.8
45°	2605.6	2611.8	2581.9	2570.7	2575.7	2583.2	2555.8	2547.1	2572.0	2583.2	2620.5
47.5°	2925.3	2931.6	2905.4	2904.2	2899.2	2904.2	2878.1	2873.1	2893.0	2884.3	2924.1
50°	3319.8	3331.0	3308.6	3339.7	3336.0	3350.9	3314.8	3288.7	3288.7	3265.0	3287.4
52.5°	3761.5	3783.9	3795.1	3847.4	3887.2	3924.5	3864.8	3823.7	3764.0	3715.5	3776.4
55°	4243.1	4236.8	4307.8	4422.2	4539.2	4627.5	4510.6	4381.2	4284.1	4183.3	4207.0
57.5°	4664.9	4686.0	4779.3	4988.4	5219.8	5406.5	5196.2	4947.3	4727.1	4582.7	4602.7
60°	5015.8	5033.2	5157.6	5458.7	5863.1	6120.7	5787.2	5376.6	5056.8	4857.7	4878.9
62.5°	5339.3	5355.5	5481.1	5813.4	6323.5	6659.5	6228.9	5667.8	5311.9	5111.6	5124.0
65°	5525.9	5535.9	5707.6	6057.2	6594.8	6941.9	6456.7	5878.1	5528.4	5324.3	5331.8
67.5°	5186.2	5202.4	5564.5	6047.3	6647.0	6946.9	6466.6	5884.3	5491.1	5224.8	5231.0
70°	4091.2	4077.6	4509.3	5339.3	6347.2	6737.9	6179.2	5442.6	4835.3	4463.3	4457.1
72.5°	3119.5	3123.2	3363.3	3932.0	5175.0	6217.7	5452.5	4382.4	3727.9	3445.5	3434.3
75°	2262.1	2297.0	2492.3	2909.2	3619.7	4647.4	4104.9	3247.6	2809.6	2640.4	2615.5
77.5°	1019.1	1063.9	1336.4	1826.6	2420.2	2568.2	2578.2	2204.9	1663.6	1382.4	1338.9
80°	297.4	318.5	409.4	700.5	1127.3	1457.1	1157.2	973.0	606.0	475.3	452.9
82.5°	125.7	143.1	175.4	194.1	327.2	675.7	420.6	267.5	248.9	201.6	184.2
85°	53.5	57.2	73.4	78.4	105.8	144.3	133.1	120.7	115.7	89.6	82.1
87.5°	22.4	22.4	22.4	19.9	18.7	19.9	27.4	34.8	46.0	36.1	33.6
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)