

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: P635269

Luminaire Tested: GWS-SA3D-740-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635269
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-740-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) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9261.1 lumens
Efficiency: N/A
Efficacy: 76.7 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

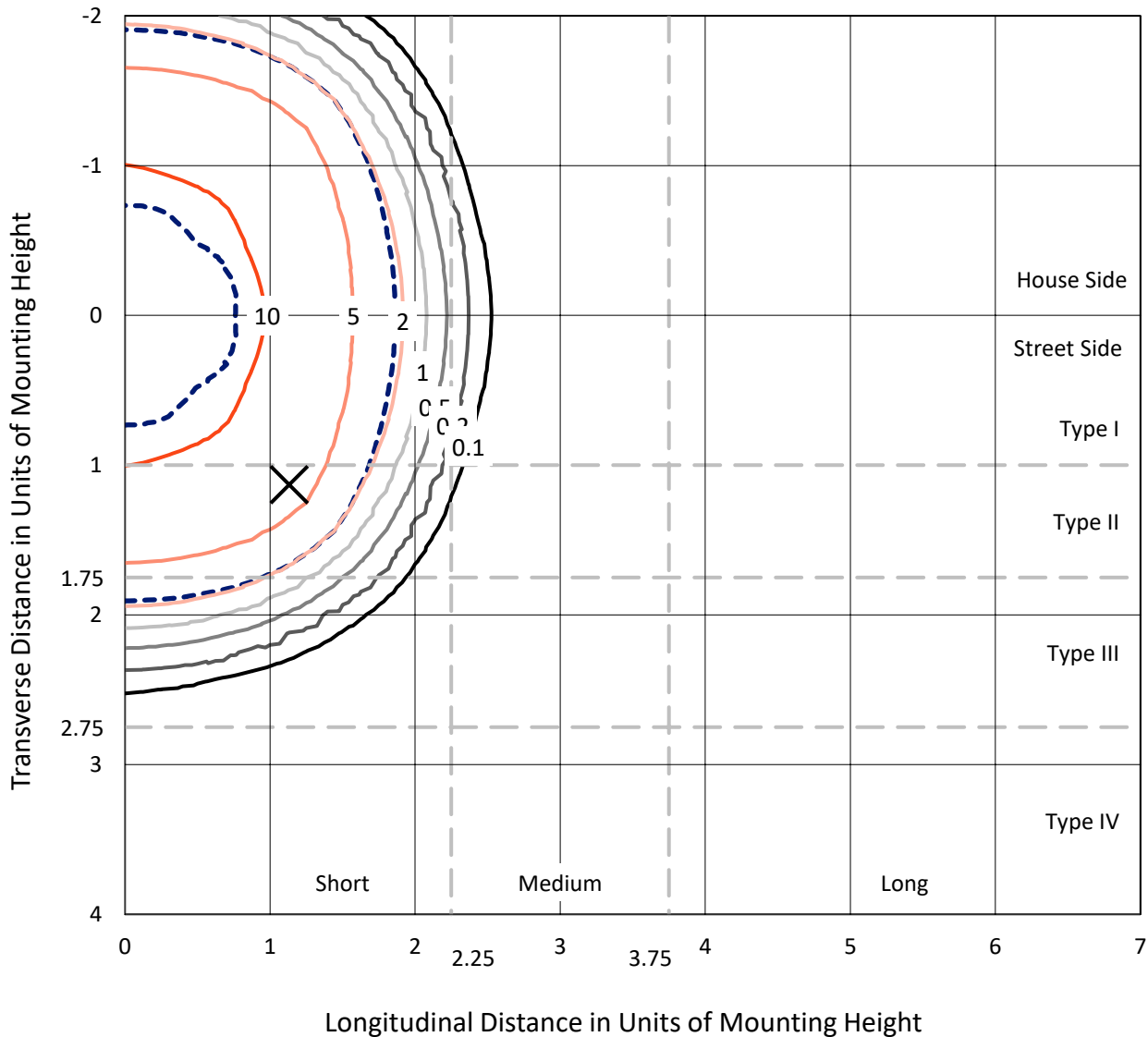
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P635269
 CATALOG NUMBER: GWS-SA3D-740-U-5WQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

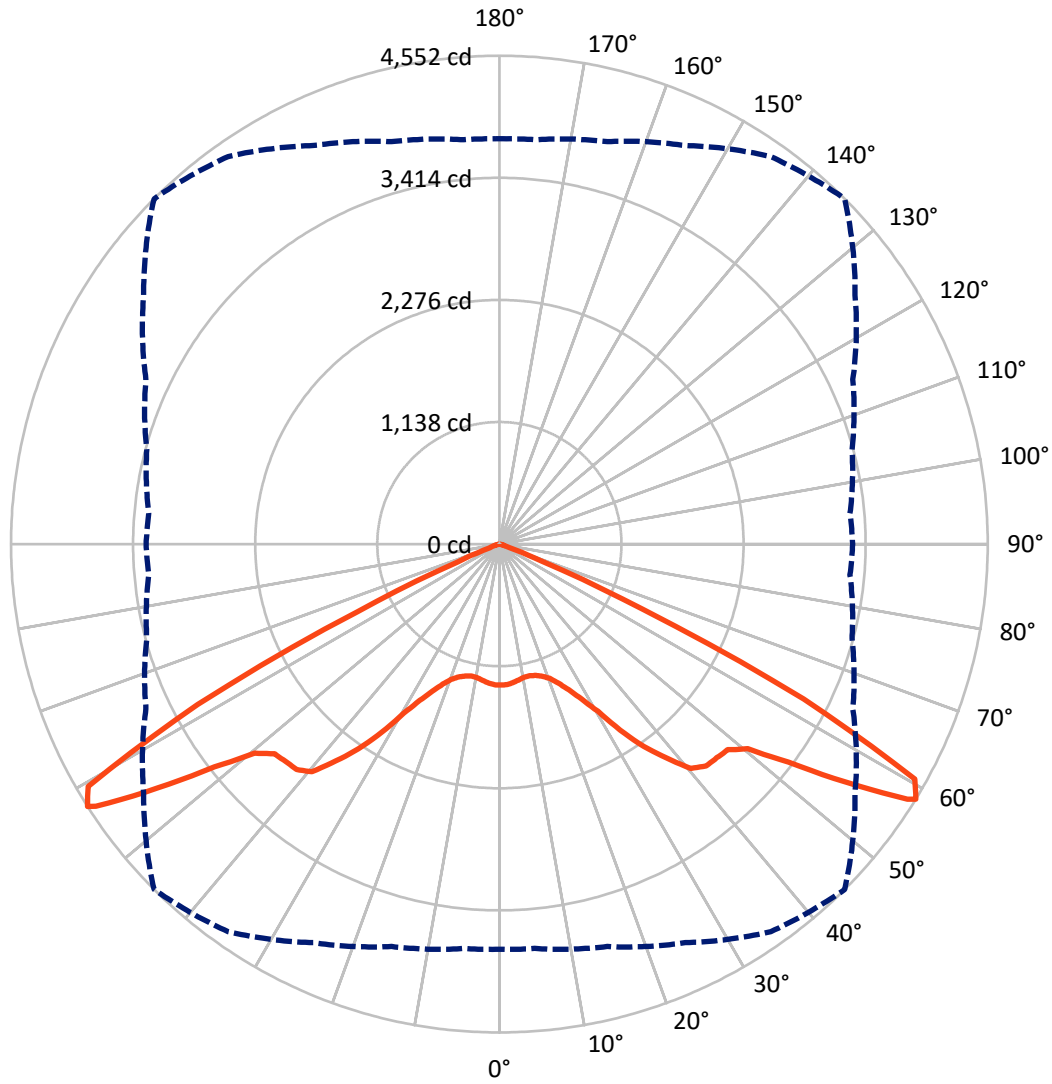
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 13.1 fc
 Type V - Short - N/A

REPORT NUMBER: P635269
CATALOG NUMBER: GWS-SA3D-740-U-5WQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 58-Deg Vertical

REPORT NUMBER: P635269

CATALOG NUMBER: GWS-SA3D-740-U-5WQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4630.6	0.0	4630.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4630.6	0.0	4630.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	9261.1	0.0	9261.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	122.5	1.3
10°-20°	362.6	3.9
20°-30°	685.7	7.4
30°-40°	1352.4	14.6
40°-50°	2140.2	23.1
50°-60°	3146.0	34.0
60°-70°	1404.2	15.2
70°-80°	47.0	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°	9261.1	100.0
0°-180°	9261.1	100.0

Coefficient of Utilization



REPORT NUMBER: P635269

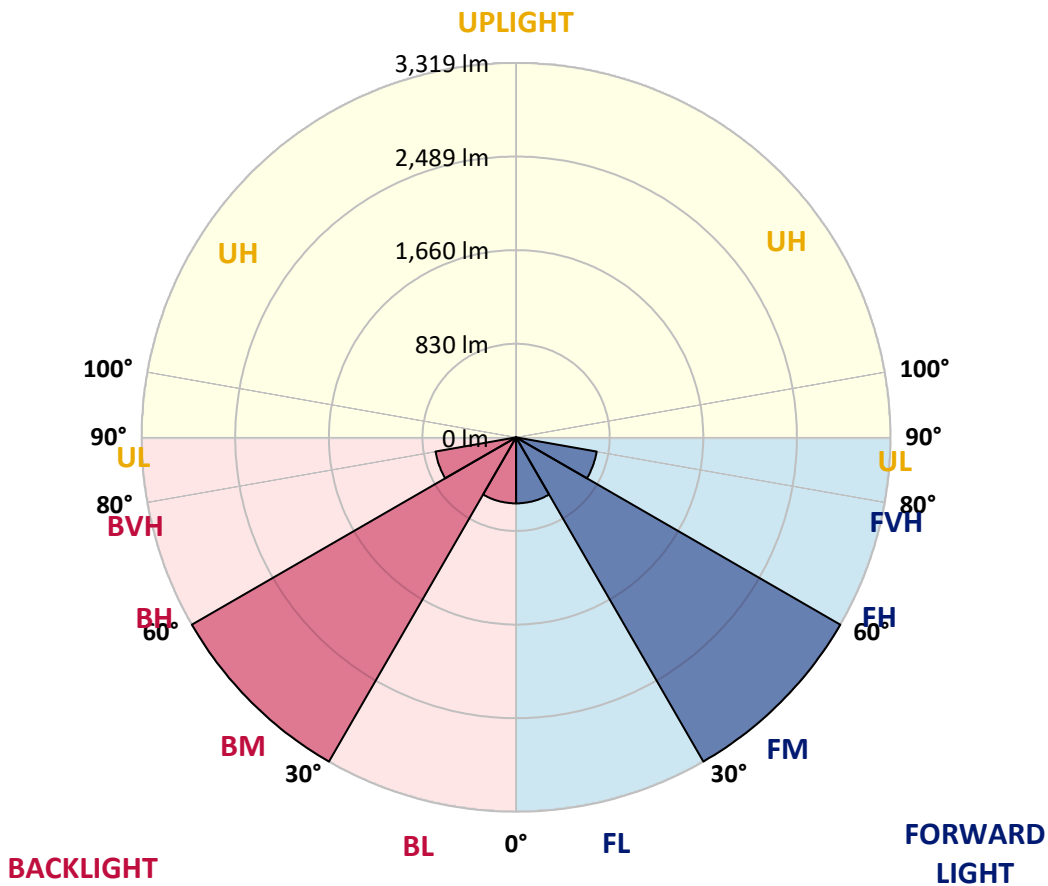
CATALOG NUMBER: GWS-SA3D-740-U-5WQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	585.4	6.3			
FM (30°-60°)	3319.3	35.8			
FH (60°-80°)	725.6	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	585.4	6.3	B2/1000		
BM (30°-60°)	3319.3	35.8	B3/5000		
BH (60°-80°)	725.6	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





REPORT NUMBER: P635269

CATALOG NUMBER: GWS-SA3D-740-U-5WQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3	1313.3
2.5°	1300.7	1303.3	1305.8	1307.0	1308.3	1312.1	1313.3	1309.6	1309.6	1302.0	1310.8
5°	1294.4	1296.9	1299.5	1298.2	1298.2	1298.2	1296.9	1291.9	1290.6	1283.1	1291.9
7.5°	1283.1	1285.6	1285.6	1281.8	1279.3	1279.3	1278.0	1271.7	1270.5	1262.9	1271.7
10°	1274.2	1275.5	1274.2	1266.7	1261.6	1261.6	1260.4	1257.8	1259.1	1254.1	1261.6
12.5°	1279.3	1280.5	1275.5	1265.4	1259.1	1257.8	1254.1	1250.3	1254.1	1252.8	1260.4
15°	1295.7	1296.9	1288.1	1275.5	1270.5	1270.5	1260.4	1250.3	1255.3	1256.6	1265.4
17.5°	1315.9	1315.9	1304.5	1293.2	1294.4	1294.4	1278.0	1260.4	1261.6	1266.7	1275.5
20°	1339.8	1339.8	1328.5	1326.0	1334.8	1336.1	1315.9	1288.1	1281.8	1285.6	1295.7
22.5°	1382.7	1382.7	1373.9	1380.2	1400.4	1406.7	1376.4	1337.3	1322.2	1324.7	1334.8
25°	1449.6	1449.6	1447.1	1462.2	1491.2	1505.1	1464.7	1413.0	1387.8	1384.0	1395.4
27.5°	1561.9	1563.1	1559.4	1582.1	1618.7	1635.1	1579.5	1511.4	1481.1	1474.8	1486.2
30°	1707.0	1707.0	1708.2	1739.8	1787.7	1809.2	1736.0	1656.5	1621.2	1601.0	1616.1
32.5°	1868.5	1871.0	1883.6	1936.6	2021.1	2065.3	1958.0	1847.0	1790.2	1768.8	1785.2
35°	2134.7	2110.7	2095.6	2134.7	2257.0	2315.1	2177.6	2047.6	2004.7	2002.2	2043.8
37.5°	2398.3	2384.5	2352.9	2393.3	2503.1	2529.5	2378.2	2269.7	2239.4	2255.8	2297.4
40°	2607.8	2582.5	2540.9	2578.8	2722.6	2749.1	2562.4	2455.1	2443.8	2480.3	2537.1
42.5°	2773.0	2737.7	2682.2	2691.0	2807.1	2826.0	2660.8	2580.0	2587.6	2633.0	2697.3
45°	2847.5	2819.7	2770.5	2766.7	2839.9	2841.2	2711.2	2669.6	2689.8	2725.1	2775.6
47.5°	2879.0	2866.4	2838.6	2832.3	2874.0	2863.9	2783.1	2765.5	2784.4	2794.5	2823.5
50°	2957.2	2957.2	2961.0	2966.1	3009.0	2998.9	2942.1	2921.9	2897.9	2862.6	2871.4
52.5°	3176.8	3185.6	3222.2	3262.6	3340.8	3373.6	3281.5	3164.1	3049.3	2972.4	2972.4
55°	3572.9	3581.7	3624.6	3692.8	3836.6	3914.8	3700.3	3441.7	3284.0	3179.3	3193.2
57.5°	3791.2	3801.3	3889.6	4073.8	4352.6	4485.1	4024.6	3641.0	3420.3	3300.4	3310.5
58°	3777.3	3783.6	3883.3	4099.0	4409.4	4551.9	4047.3	3634.7	3402.6	3280.2	3292.8
60°	3355.9	3347.1	3506.0	3813.9	4251.7	4448.5	3821.4	3318.1	3048.1	2923.2	2929.5
62.5°	2194.0	2199.0	2336.5	2658.2	2998.9	3184.3	2669.6	2294.9	2077.9	2002.2	1983.3
65°	915.9	899.5	984.1	1163.2	1367.6	1471.0	1264.1	1069.9	936.1	885.7	899.5
67.5°	235.9	229.6	234.7	294.0	359.6	425.2	357.0	272.5	237.2	239.7	239.7
70°	133.7	126.2	102.2	94.6	92.1	92.1	92.1	92.1	106.0	124.9	128.7
72.5°	100.9	94.6	74.4	64.3	56.8	53.0	55.5	64.3	77.0	93.4	95.9
75°	50.5	50.5	45.4	42.9	37.8	35.3	36.6	40.4	46.7	53.0	51.7
77.5°	10.1	11.4	12.6	15.1	12.6	12.6	12.6	15.1	15.1	16.4	15.1
80°	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3	1.3
82.5°	0.0	1.3	1.3	0.0	0.0	0.0	0.0	1.3	1.3	1.3	1.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.3	1.3
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)