

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: P635984

Luminaire Tested: GWS-SA3E-830-U-5WQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635984
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-SA3E-830-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) 3000K CCT, 80 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 9193.6 lumens
Efficiency: N/A
Efficacy: 57.7 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): 159.2
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

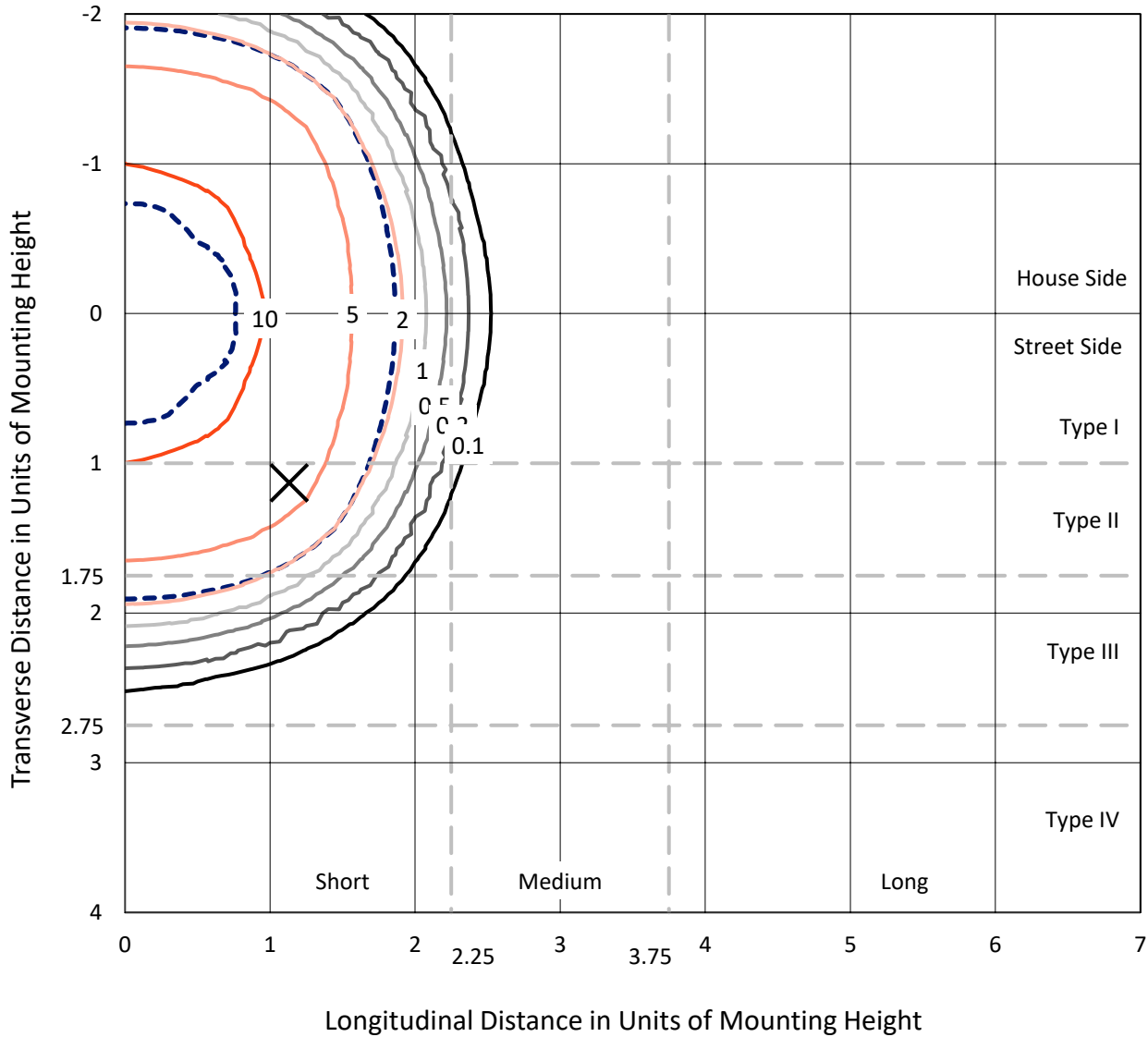


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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
 - - - 1/2 Max cd

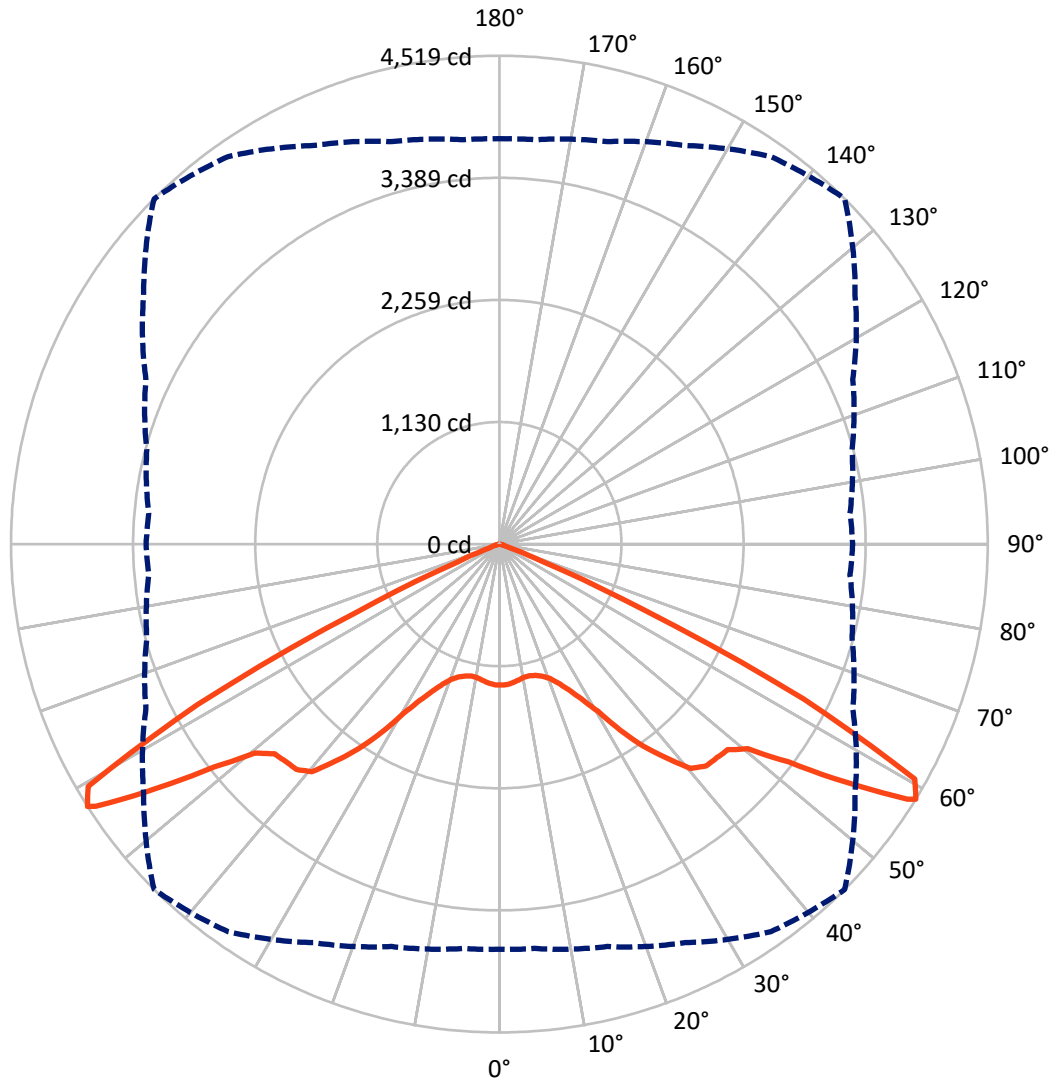


Based on 10 foot mounting height. Maximum calculated value = 13 fc
 Type V - Short - N/A

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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	4596.8	0.0	4596.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4596.8	0.0	4596.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	9193.6	0.0	9193.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	121.6	1.3
10°-20°	359.9	3.9
20°-30°	680.7	7.4
30°-40°	1342.6	14.6
40°-50°	2124.6	23.1
50°-60°	3123.0	34.0
60°-70°	1394.0	15.2
70°-80°	46.7	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°	9193.6	100.0
0°-180°	9193.6	100.0

Coefficient of Utilization



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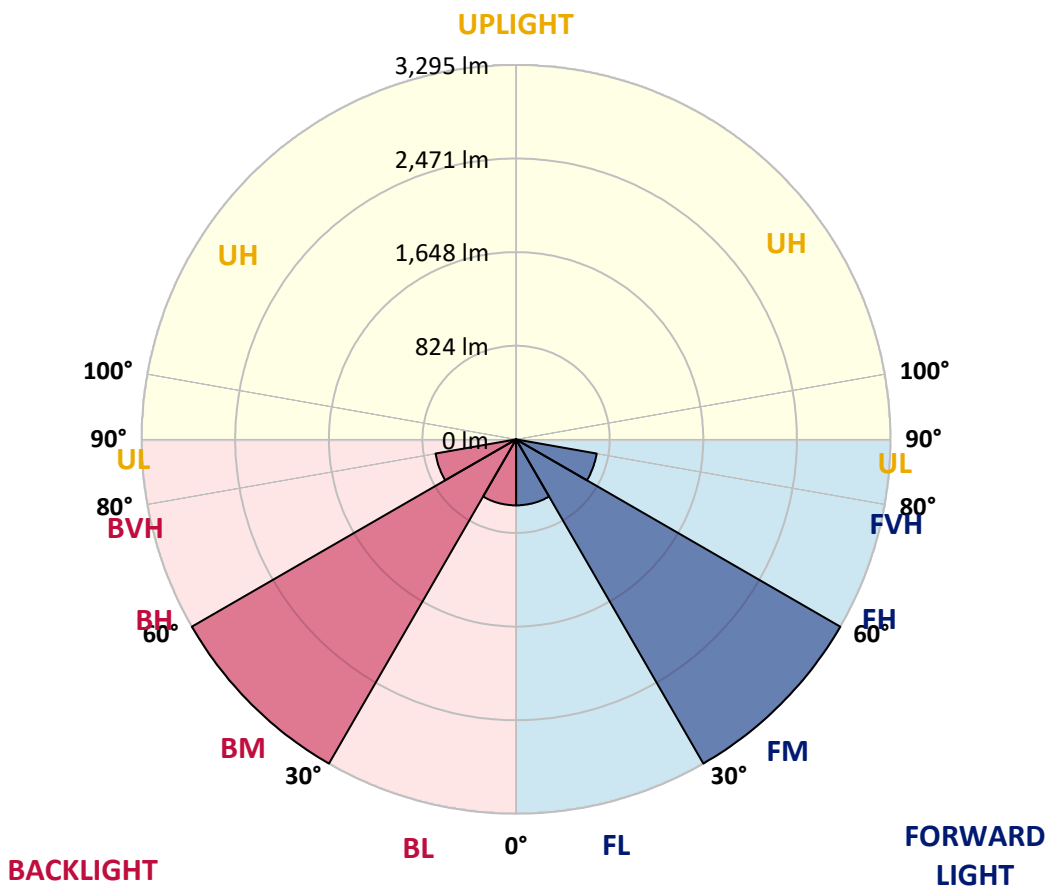
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	581.2	6.3			
FM (30°-60°)	3295.1	35.8			
FH (60°-80°)	720.3	7.8			G1/1800
FVH (80°-90°)	0.2	0.0			G0/10
BL (0°-30°)	581.2	6.3	B2/1000		
BM (30°-60°)	3295.1	35.8	B3/5000		
BH (60°-80°)	720.3	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°	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8	1303.8
2.5°	1291.3	1293.8	1296.3	1297.5	1298.8	1302.5	1303.8	1300.0	1300.0	1292.5	1301.3
5°	1285.0	1287.5	1290.0	1288.7	1288.7	1288.7	1287.5	1282.5	1281.2	1273.7	1282.5
7.5°	1273.7	1276.2	1276.2	1272.5	1270.0	1270.0	1268.7	1262.4	1261.2	1253.7	1262.4
10°	1264.9	1266.2	1264.9	1257.4	1252.4	1252.4	1251.2	1248.7	1249.9	1244.9	1252.4
12.5°	1270.0	1271.2	1266.2	1256.2	1249.9	1248.7	1244.9	1241.2	1244.9	1243.7	1251.2
15°	1286.2	1287.5	1278.7	1266.2	1261.2	1261.2	1251.2	1241.2	1246.2	1247.4	1256.2
17.5°	1306.3	1306.3	1295.0	1283.7	1285.0	1285.0	1268.7	1251.2	1252.4	1257.4	1266.2
20°	1330.1	1330.1	1318.8	1316.3	1325.1	1326.3	1306.3	1278.7	1272.5	1276.2	1286.2
22.5°	1372.7	1372.7	1363.9	1370.2	1390.2	1396.5	1366.4	1327.6	1312.5	1315.0	1325.1
25°	1439.0	1439.0	1436.5	1451.6	1480.4	1494.1	1454.1	1402.7	1377.7	1373.9	1385.2
27.5°	1550.5	1551.8	1548.0	1570.5	1606.9	1623.1	1568.0	1500.4	1470.3	1464.1	1475.4
30°	1694.5	1694.5	1695.8	1727.1	1774.7	1796.0	1723.3	1644.4	1609.4	1589.3	1604.4
32.5°	1854.8	1857.3	1869.9	1922.5	2006.4	2050.2	1943.8	1833.6	1777.2	1755.9	1772.2
35°	2119.1	2095.3	2080.3	2119.1	2240.6	2298.2	2161.7	2032.7	1990.1	1987.6	2028.9
37.5°	2380.9	2367.1	2335.8	2375.9	2484.8	2511.1	2360.8	2253.1	2223.1	2239.3	2280.7
40°	2588.8	2563.7	2522.4	2560.0	2702.7	2729.0	2543.7	2437.2	2425.9	2462.3	2518.6
42.5°	2752.8	2717.8	2662.7	2671.4	2786.6	2805.4	2641.4	2561.2	2568.7	2613.8	2677.7
45°	2826.7	2799.2	2750.3	2746.6	2819.2	2820.5	2691.5	2650.1	2670.2	2705.2	2755.3
47.5°	2858.0	2845.5	2818.0	2811.7	2853.0	2843.0	2762.9	2745.3	2764.1	2774.1	2802.9
50°	2935.7	2935.7	2939.4	2944.5	2987.0	2977.0	2920.7	2900.6	2876.8	2841.8	2850.5
52.5°	3153.6	3162.4	3198.7	3238.8	3316.4	3349.0	3257.6	3141.1	3027.1	2950.7	2950.7
55°	3546.9	3555.6	3598.2	3665.8	3808.6	3886.3	3673.4	3416.6	3260.1	3156.1	3169.9
57.5°	3763.5	3773.6	3861.2	4044.1	4320.9	4452.4	3995.2	3614.5	3395.3	3276.3	3286.4
58°	3749.8	3756.0	3855.0	4069.1	4377.2	4518.8	4017.8	3608.2	3377.8	3256.3	3268.8
60°	3331.5	3322.7	3480.5	3786.1	4220.7	4416.1	3793.6	3293.9	3025.9	2901.9	2908.1
62.5°	2178.0	2183.0	2319.5	2638.9	2977.0	3161.1	2650.1	2278.2	2062.7	1987.6	1968.8
65°	909.3	893.0	976.9	1154.7	1357.6	1460.3	1254.9	1062.1	929.3	879.2	893.0
67.5°	234.2	227.9	233.0	291.8	356.9	422.1	354.4	270.5	235.5	238.0	238.0
70°	132.8	125.2	101.4	93.9	91.4	91.4	91.4	91.4	105.2	124.0	127.7
72.5°	100.2	93.9	73.9	63.9	56.4	52.6	55.1	63.9	76.4	92.7	95.2
75°	50.1	50.1	45.1	42.6	37.6	35.1	36.3	40.1	46.3	52.6	51.3
77.5°	10.0	11.3	12.5	15.0	12.5	12.5	12.5	15.0	15.0	16.3	15.0
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)