

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: P632683

Luminaire Tested: GWS-SA2D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632683
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA2D-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (32) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11113 lumens
Efficiency: N/A
Efficacy: 135.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

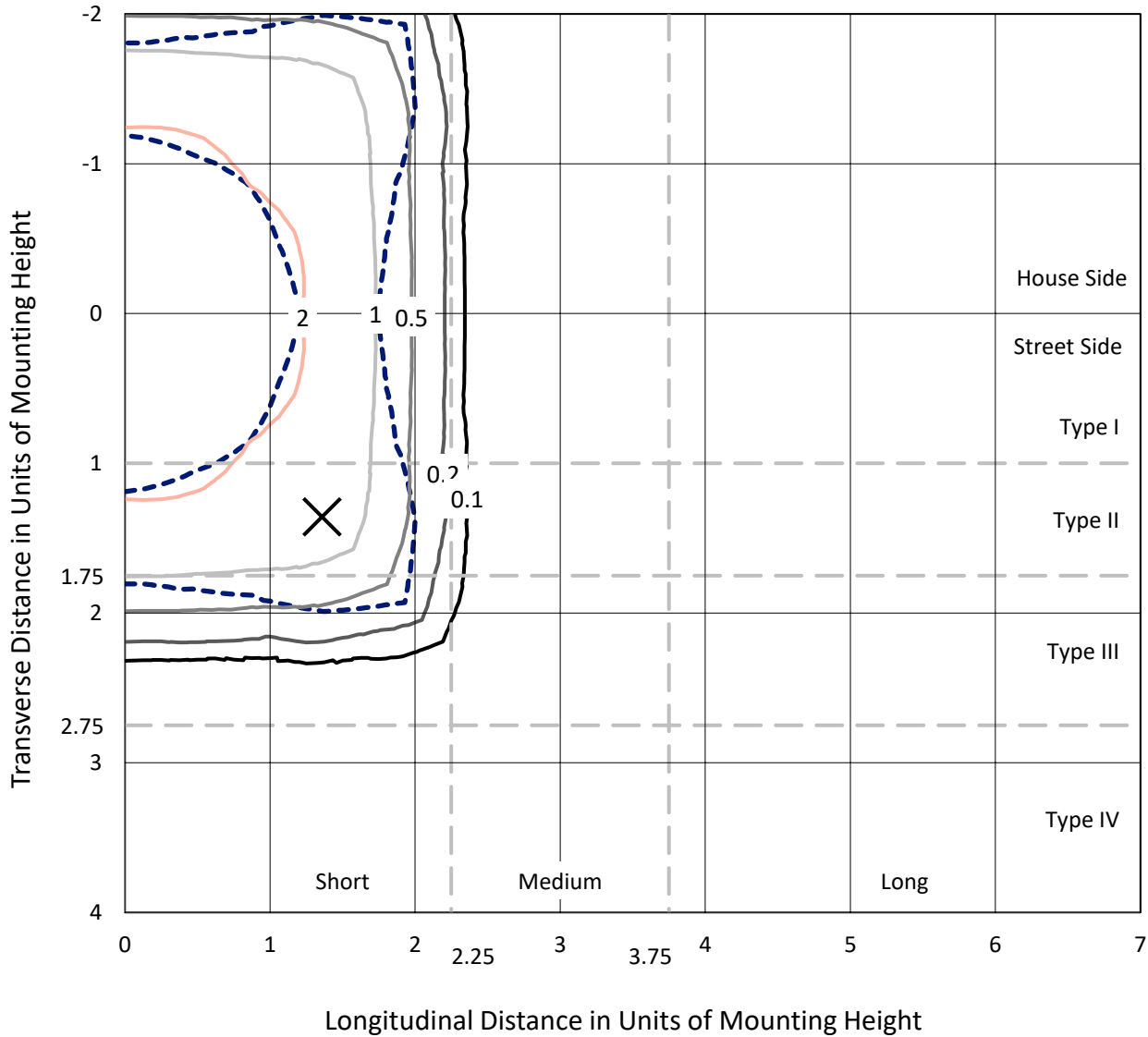
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

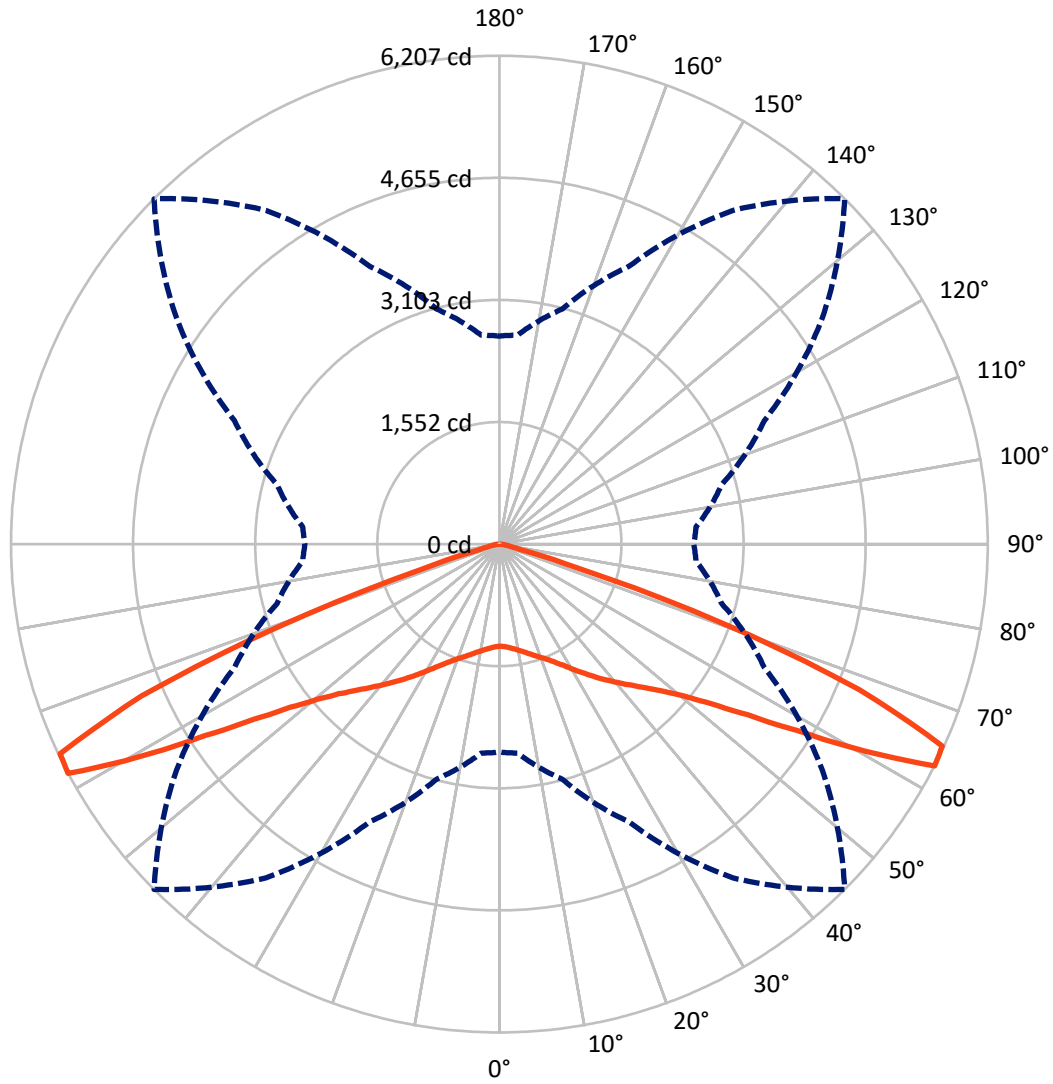
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5556.5	0.0	5556.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5556.5	0.0	5556.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	11113.0	0.0	11113.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	127.2	1.1
10°-20°	410.2	3.7
20°-30°	776.1	7.0
30°-40°	1306.2	11.8
40°-50°	2087.0	18.8
50°-60°	3364.1	30.3
60°-70°	2744.7	24.7
70°-80°	266.5	2.4
80°-90°	31.0	0.3
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°	11113.0	100.0
0°-180°	11113.0	100.0

Coefficient of Utilization



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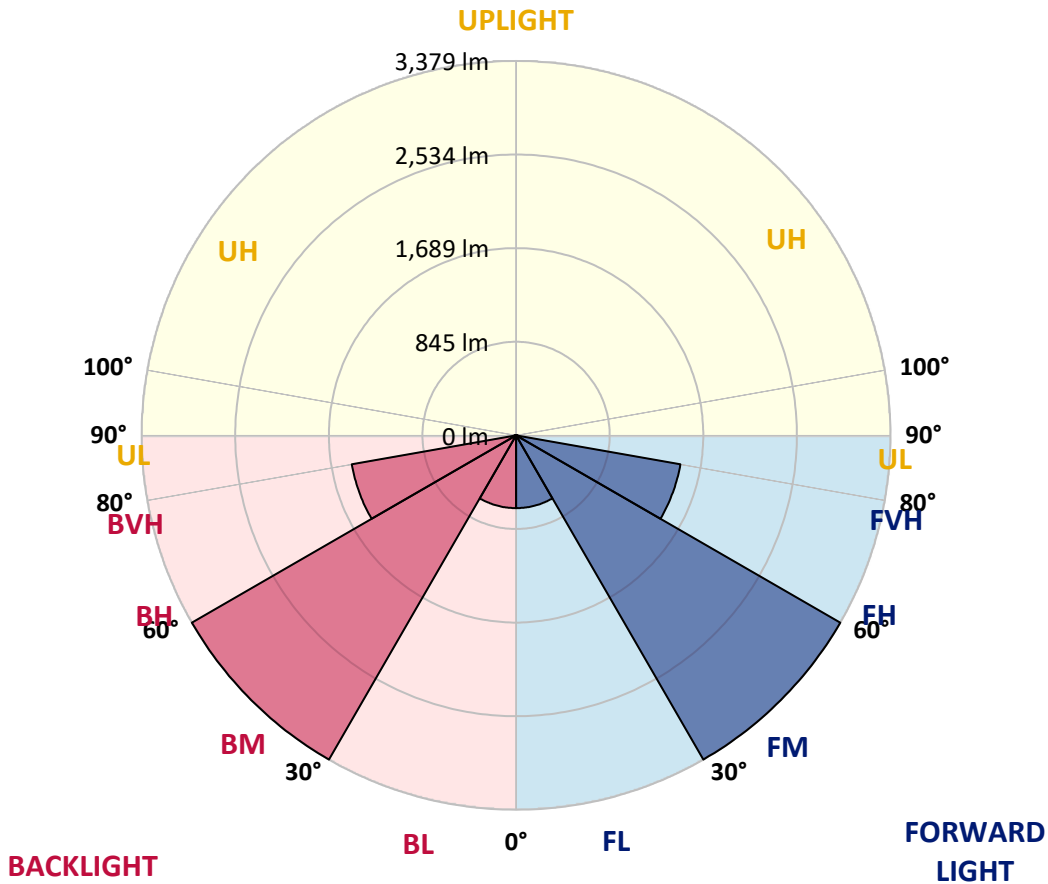
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	656.7	5.9			
FM (30°-60°)	3378.6	30.4			
FH (60°-80°)	1505.6	13.5			G1/1800
FVH (80°-90°)	15.5	0.1			G1/100
BL (0°-30°)	656.7	5.9	B2/1000		
BM (30°-60°)	3378.6	30.4	B3/5000		
BH (60°-80°)	1505.6	13.5	B3/2500		G1/1800
BVH (80°-90°)	15.5	0.1			G1/100
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°	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5	1296.5
2.5°	1295.0	1295.0	1298.0	1300.3	1298.8	1304.9	1304.1	1302.6	1301.8	1299.5	1306.4
5°	1312.5	1312.5	1314.8	1317.1	1313.2	1320.9	1317.8	1316.3	1315.5	1312.5	1318.6
7.5°	1332.3	1334.6	1335.4	1339.2	1336.9	1345.3	1343.0	1339.9	1338.4	1334.6	1339.9
10°	1354.4	1355.9	1356.7	1363.6	1364.3	1374.2	1371.9	1368.1	1365.1	1361.3	1368.9
12.5°	1384.1	1384.9	1387.2	1395.6	1397.9	1405.5	1404.7	1399.4	1395.6	1390.2	1398.6
15°	1422.2	1423.0	1426.8	1435.2	1439.0	1448.2	1445.1	1436.7	1431.4	1425.3	1432.2
17.5°	1461.9	1464.9	1468.7	1477.1	1482.5	1493.1	1489.3	1480.2	1475.6	1469.5	1474.1
20°	1512.9	1513.7	1516.0	1525.1	1528.9	1541.1	1541.9	1532.8	1530.5	1524.4	1531.2
22.5°	1569.3	1570.1	1572.4	1582.3	1589.2	1596.8	1601.4	1596.0	1592.2	1584.6	1593.0
25°	1631.8	1639.5	1641.8	1653.9	1661.6	1666.1	1671.5	1669.2	1663.9	1654.7	1658.5
27.5°	1719.5	1721.0	1724.8	1738.6	1743.1	1747.7	1753.0	1753.8	1746.2	1735.5	1740.8
30°	1819.3	1818.6	1827.0	1837.6	1841.4	1845.3	1852.9	1857.5	1847.5	1836.1	1841.4
32.5°	1921.5	1930.6	1941.3	1951.2	1948.9	1950.4	1962.6	1971.0	1957.3	1936.7	1941.3
35°	2036.6	2042.7	2056.4	2070.9	2067.8	2065.5	2073.2	2081.5	2062.5	2035.8	2042.7
37.5°	2154.7	2163.9	2184.4	2202.0	2197.4	2186.7	2195.1	2204.2	2186.0	2155.5	2152.4
40°	2286.6	2301.0	2330.8	2345.3	2333.1	2312.5	2327.0	2349.1	2330.8	2295.7	2287.3
42.5°	2441.3	2458.8	2488.5	2510.6	2484.0	2450.4	2474.8	2506.8	2502.3	2455.8	2441.3
45°	2632.6	2644.0	2680.6	2691.3	2651.7	2605.2	2649.4	2698.1	2686.7	2636.4	2617.4
47.5°	2840.7	2858.2	2890.2	2910.0	2846.0	2788.1	2849.8	2915.4	2903.2	2855.9	2833.8
50°	3105.9	3128.8	3170.7	3187.5	3099.1	3032.7	3112.0	3195.1	3171.5	3108.2	3079.2
52.5°	3394.8	3413.1	3484.7	3518.3	3435.2	3363.5	3432.9	3514.4	3464.1	3380.3	3341.4
55°	3649.4	3667.6	3772.8	3884.1	3880.3	3830.8	3865.8	3867.3	3730.9	3592.2	3551.0
57.5°	3704.2	3722.5	3923.0	4214.1	4419.9	4477.1	4374.2	4157.7	3814.0	3570.8	3524.4
60°	3411.6	3432.1	3750.7	4282.7	4959.6	5341.4	4867.3	4151.6	3557.1	3227.9	3183.7
62.5°	2643.3	2665.4	3093.7	3892.5	5177.5	6206.5	5010.6	3714.9	2926.0	2509.1	2470.3
65°	1262.2	1262.2	1806.4	2791.9	4743.1	6185.9	4596.0	2748.4	1761.4	1352.9	1319.3
67.5°	312.5	314.0	464.9	1086.9	3226.3	4936.7	3278.9	1319.3	620.4	439.0	427.6
70°	195.1	194.4	215.7	294.2	1128.8	2996.2	1340.7	397.9	252.3	222.6	221.0
72.5°	151.7	151.7	162.3	188.3	295.7	1020.6	391.0	221.0	182.9	164.6	164.6
75°	119.7	119.7	127.3	141.0	174.5	263.0	208.1	163.9	141.8	129.6	128.0
77.5°	89.2	90.7	96.8	105.9	118.9	147.9	131.9	123.5	110.5	101.4	98.3
80°	57.9	60.2	67.8	73.2	77.7	97.6	86.1	89.9	83.8	73.2	71.6
82.5°	31.2	32.0	41.2	42.7	44.2	53.4	54.9	57.2	59.5	46.5	43.4
85°	11.4	11.4	13.7	16.0	17.5	19.1	25.9	32.0	33.5	26.7	25.9
87.5°	2.3	2.3	2.3	1.5	1.5	1.5	4.6	8.4	13.7	10.7	10.7
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)