

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: P635409

Luminaire Tested: GWS-SA3D-760-U-T2-W-GRSWH

Issue Date: 1/10/2023

**Test Information**

Test Method: LM-79-2019  
Report Number: P635409  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-21)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 1/10/2023  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: McGRAW-EDISON  
Catalog Number: GWS-SA3D-760-U-T2-W-GRSWH  
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS W/ FACTORY INSALLED GLARE SHIELD, WH  
Light Source: (48) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: -

**Summary**

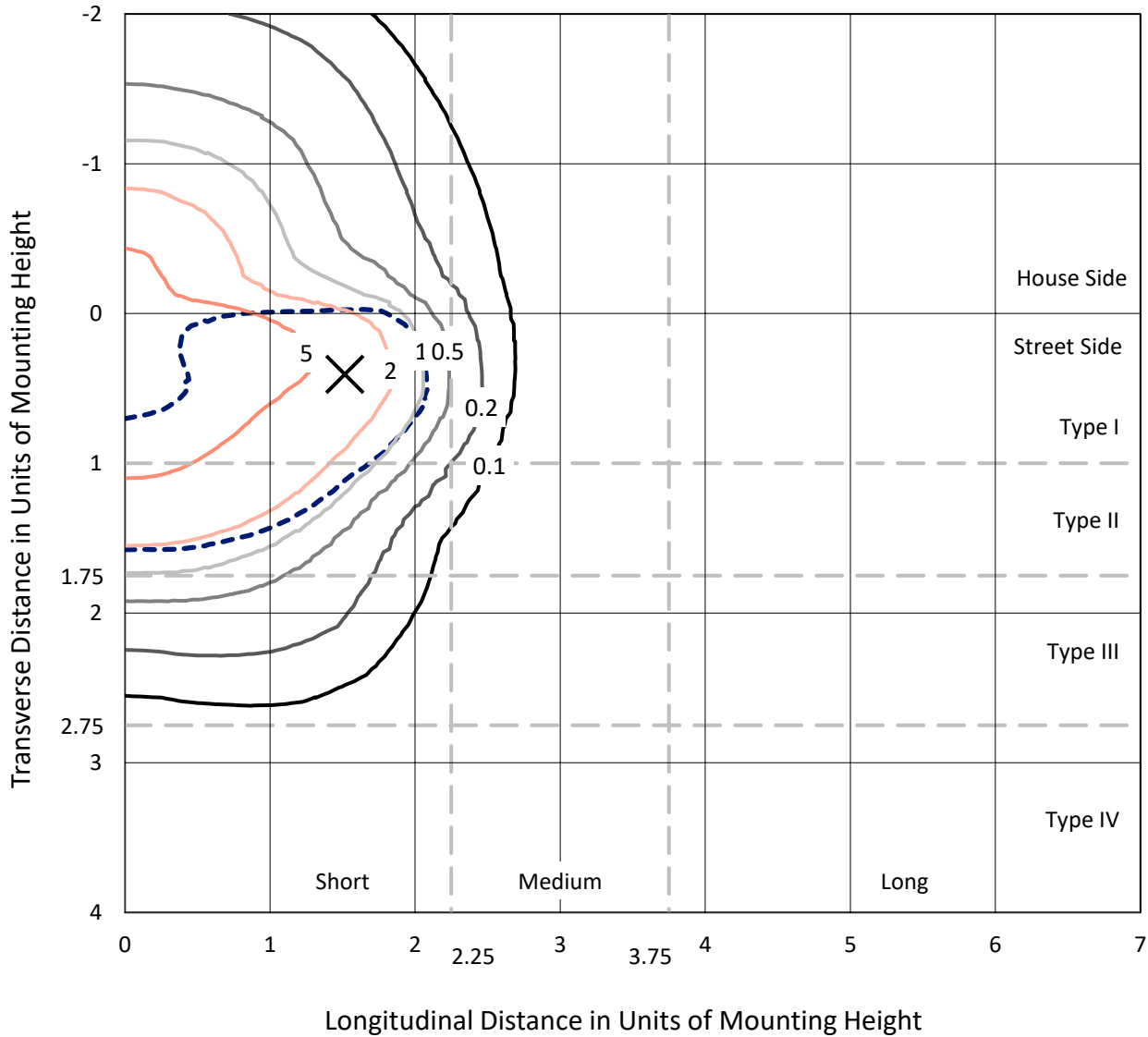
Lumens per Lamp: N/A  
Luminaire Lumens: 14802.5 lumens  
Efficiency: N/A  
Efficacy: 122.5 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 120.8  
Input Voltage (V): 120  
Input Current (Ain): 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



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### Iso-Footcandle Lines of Horizontal Illumination

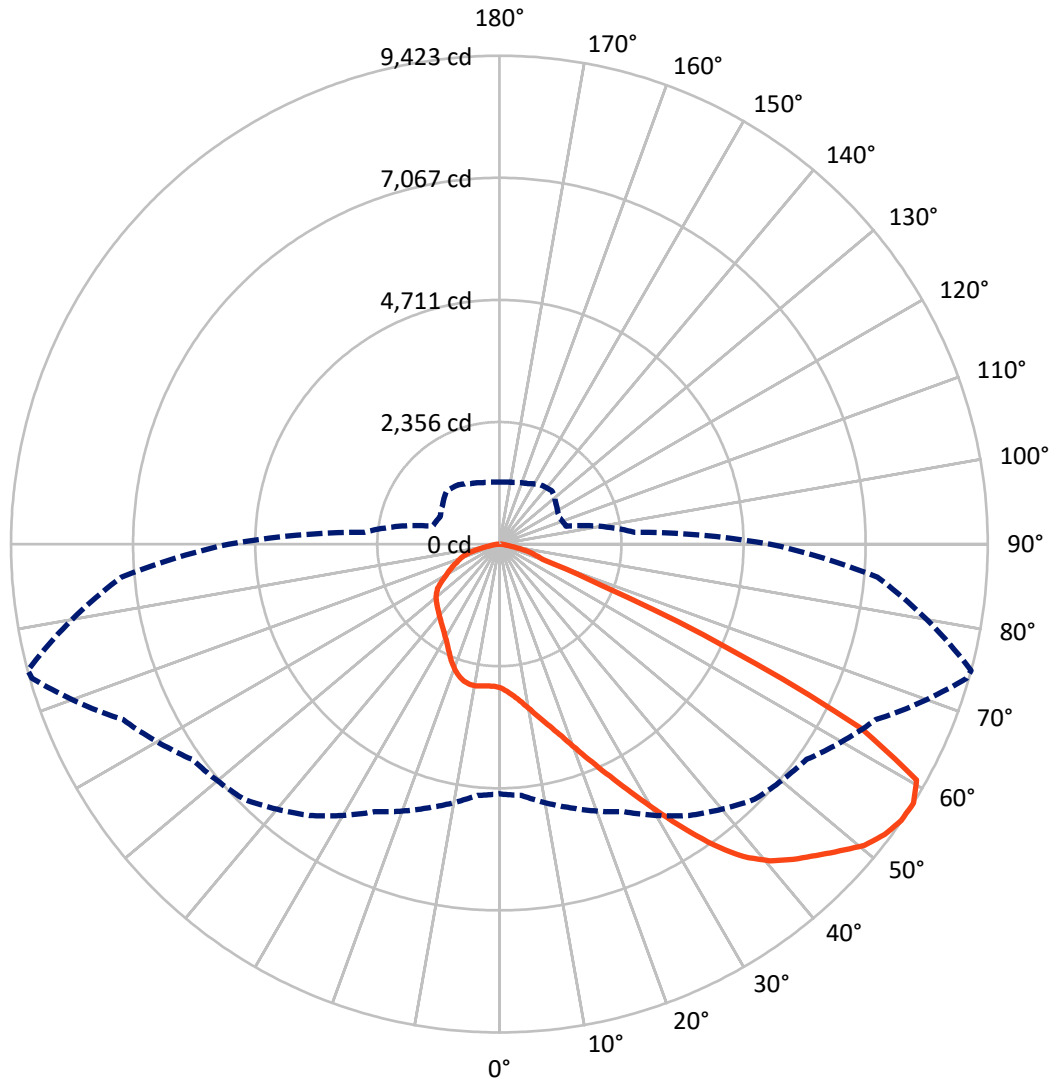
✕ Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 75-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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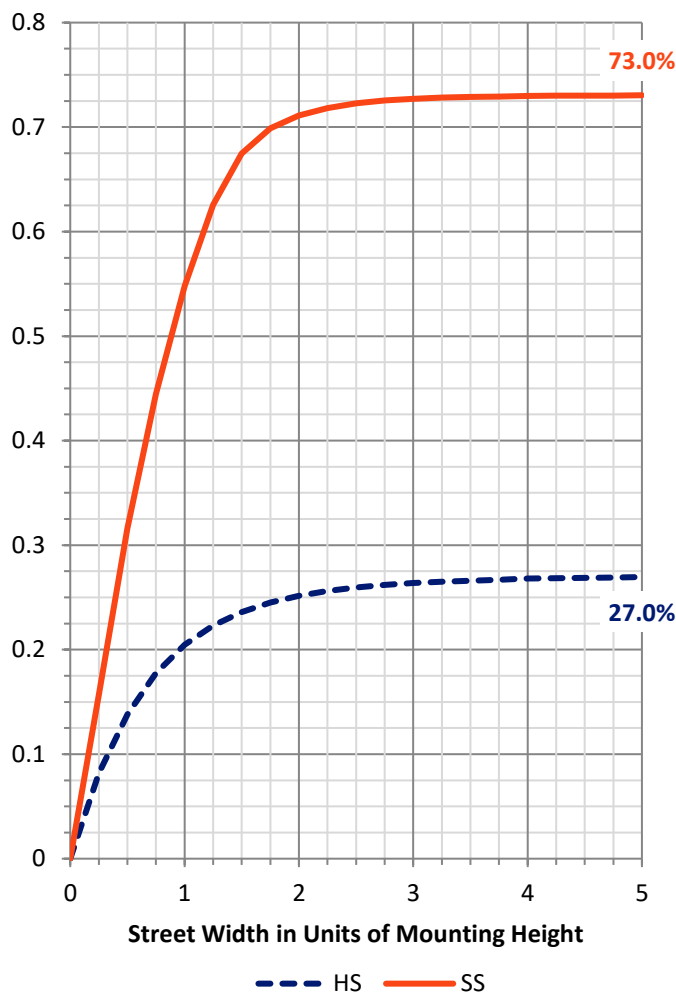
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4004.4	0.0	4004.4
	% Fixture	27.1	0.0	27.1
<b>Street Side</b>	Lumens	10798.1	0.0	10798.1
	% Fixture	72.9	0.0	72.9
<b>Total</b>	Lumens	14802.5	0.0	14802.5
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	277.4	1.9
10°-20°	883.2	6.0
20°-30°	1566.3	10.6
30°-40°	2397.8	16.2
40°-50°	3338.7	22.6
50°-60°	3825.6	25.8
60°-70°	1965.6	13.3
70°-80°	494.9	3.3
80°-90°	52.9	0.4
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°	14802.5	100.0
0°-180°	14802.5	100.0

**Coefficient of Utilization**







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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2
2.5°	2978.3	2986.0	2978.3	2991.1	2965.6	2954.2	2926.2	2884.2	2851.1	2846.0	2809.1
5°	3210.0	3226.5	3216.4	3211.3	3176.9	3151.4	3109.4	3025.4	2956.7	2946.5	2874.0
7.5°	3358.9	3370.4	3370.4	3374.2	3361.5	3332.2	3287.6	3188.4	3091.6	3076.4	2966.9
10°	3408.6	3417.5	3434.0	3465.8	3491.3	3500.2	3470.9	3375.5	3257.1	3241.8	3089.1
12.5°	3420.0	3430.2	3455.6	3514.2	3584.2	3647.8	3652.9	3582.9	3450.6	3434.0	3230.4
15°	3441.6	3451.8	3486.2	3558.7	3661.8	3784.0	3859.1	3810.8	3664.4	3646.6	3390.7
17.5°	3439.1	3450.6	3501.5	3598.2	3736.9	3913.9	4059.0	4079.3	3927.9	3897.3	3572.7
20°	3432.7	3442.9	3497.6	3616.0	3787.8	4030.9	4293.1	4398.8	4235.9	4207.9	3785.3
22.5°	3483.6	3495.1	3537.1	3635.1	3814.6	4121.3	4509.5	4764.1	4601.2	4561.7	4029.7
25°	3598.2	3614.7	3640.2	3707.7	3862.9	4201.5	4731.0	5177.7	5011.0	4963.9	4295.7
27.5°	3775.1	3795.5	3831.1	3862.9	3971.1	4303.3	4951.2	5641.0	5474.3	5424.7	4577.0
30°	3991.5	4018.2	4064.0	4085.7	4159.5	4453.5	5190.5	6118.3	6021.6	5952.9	4893.9
32.5°	4290.6	4327.5	4370.8	4377.2	4421.7	4681.3	5427.2	6591.8	6590.5	6542.2	5254.1
35°	4680.1	4719.5	4728.4	4737.4	4759.0	4994.5	5713.6	7023.3	7190.0	7134.0	5646.1
37.5°	5105.2	5162.5	5176.5	5137.0	5167.6	5371.2	6035.6	7369.5	7711.9	7652.1	6025.4
40°	5559.6	5582.5	5620.7	5558.3	5596.5	5802.7	6351.3	7591.0	8101.4	8037.7	6324.5
42.5°	5885.4	5927.4	5984.7	5961.8	5983.4	6171.8	6572.7	7697.9	8378.8	8315.2	6539.6
45°	6239.3	6252.0	6288.9	6283.8	6296.5	6472.2	6731.8	7745.0	8627.0	8569.7	6722.9
47.5°	6547.3	6566.4	6590.5	6562.5	6534.5	6649.1	6861.7	7785.7	8913.4	8844.7	6915.1
50°	6843.8	6860.4	6889.7	6808.2	6703.8	6733.1	6925.3	7841.7	9182.0	9133.6	7066.6
52.5°	6898.6	6916.4	7053.8	7070.4	6936.7	6833.6	7037.3	7965.2	9339.8	9309.2	7121.3
55°	6210.0	6241.8	6515.5	6829.8	7159.5	7126.4	7216.8	8030.1	9402.2	9409.8	7219.3
57.5°	4820.1	4865.9	5265.6	5697.0	6390.7	6964.7	7239.7	8013.5	9380.5	9422.5	7319.9
60°	3161.6	3188.4	3661.8	4145.5	4864.6	5658.9	6479.8	7715.7	9188.3	9248.1	7294.4
62.5°	1909.2	1939.7	2320.3	2686.9	3110.7	3641.5	4395.0	6201.1	7701.7	7835.3	5842.1
65°	1332.6	1373.3	1706.8	2008.5	2154.8	2045.4	2226.1	3463.3	4798.4	4854.4	3570.2
67.5°	966.1	994.1	1267.7	1626.6	1788.3	1444.6	1101.0	1533.7	2089.9	2110.3	1472.6
70°	632.6	664.4	912.6	1238.4	1459.9	1171.0	823.5	829.9	879.5	889.7	855.3
72.5°	347.5	366.6	563.8	822.2	863.0	700.0	642.8	689.9	724.2	724.2	733.1
75°	179.5	196.0	230.4	271.1	327.1	383.1	463.3	533.3	570.2	572.8	568.9
77.5°	91.6	98.0	123.5	133.6	146.4	170.6	221.5	283.8	316.9	329.7	327.1
80°	43.3	45.8	52.2	61.1	75.1	95.5	119.6	142.6	162.9	165.5	179.5
82.5°	22.9	25.5	28.0	33.1	40.7	50.9	70.0	84.0	96.7	99.3	110.7
85°	8.9	10.2	11.5	12.7	17.8	21.6	29.3	39.5	48.4	48.4	57.3
87.5°	0.0	0.0	0.0	0.0	1.3	2.5	5.1	6.4	8.9	8.9	15.3
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2	2772.2
2.5°	2800.2	2763.2	2746.7	2720.0	2698.3	2674.1	2655.1	2641.1	2632.1	2627.1	2622.0
5°	2846.0	2790.0	2745.4	2692.0	2655.1	2619.4	2590.1	2569.8	2559.6	2552.0	2546.9
7.5°	2917.3	2842.2	2758.2	2675.4	2610.5	2553.2	2516.3	2494.7	2480.7	2475.6	2471.8
10°	3015.3	2910.9	2772.2	2641.1	2544.3	2482.0	2456.5	2446.3	2447.6	2445.0	2443.8
12.5°	3126.0	2983.4	2768.3	2580.0	2473.0	2436.1	2437.4	2454.0	2473.0	2478.1	2479.4
15°	3245.6	3054.7	2731.4	2501.0	2417.0	2420.9	2454.0	2493.4	2529.0	2543.0	2545.6
17.5°	3375.5	3114.5	2664.0	2414.5	2371.2	2412.0	2473.0	2538.0	2590.1	2613.1	2619.4
20°	3520.6	3165.4	2568.5	2329.2	2327.9	2395.4	2484.5	2569.8	2636.0	2666.5	2671.6
22.5°	3674.6	3197.3	2451.4	2250.3	2283.4	2373.8	2475.6	2564.7	2634.7	2665.2	2671.6
25°	3829.8	3207.4	2322.9	2177.8	2237.6	2339.4	2432.3	2503.6	2569.8	2596.5	2601.6
27.5°	3974.9	3178.2	2200.7	2115.4	2195.6	2288.5	2350.9	2389.0	2434.9	2455.2	2459.0
30°	4122.6	3119.6	2097.6	2065.8	2148.5	2218.5	2246.5	2249.0	2266.9	2266.9	2269.4
32.5°	4271.5	3033.1	2007.2	2017.4	2089.9	2135.8	2139.6	2110.3	2088.7	2053.0	2051.7
35°	4443.3	2945.3	1933.4	1962.7	2021.2	2049.2	2037.7	1981.7	1929.6	1871.0	1868.5
37.5°	4602.4	2854.9	1871.0	1906.7	1943.6	1963.9	1937.2	1869.7	1826.5	1766.6	1757.7
40°	4733.5	2773.4	1811.2	1848.1	1865.9	1883.7	1840.5	1785.7	1792.1	1759.0	1757.7
42.5°	4809.9	2694.5	1755.2	1783.2	1794.6	1807.4	1769.2	1728.5	1762.8	1737.4	1738.6
45°	4865.9	2625.8	1704.3	1714.5	1742.5	1761.6	1725.9	1680.1	1687.7	1589.7	1566.8
47.5°	4929.5	2587.6	1655.9	1645.7	1695.4	1728.5	1673.7	1607.5	1561.7	1465.0	1456.1
50°	4997.0	2573.6	1605.0	1577.0	1636.8	1668.6	1605.0	1522.3	1462.4	1410.3	1405.2
52.5°	5019.9	2572.3	1541.4	1494.3	1554.1	1598.6	1545.2	1461.2	1389.9	1339.0	1336.4
55°	5110.3	2609.2	1459.9	1381.0	1437.0	1528.6	1489.2	1368.3	1311.0	1288.1	1285.5
57.5°	5215.9	2615.6	1331.3	1257.5	1335.2	1443.4	1393.7	1289.3	1227.0	1199.0	1196.4
60°	5172.6	2459.0	1193.9	1163.3	1248.6	1363.2	1317.3	1227.0	1154.4	1127.7	1125.2
62.5°	3941.9	1736.1	1093.3	1081.9	1155.7	1247.3	1238.4	1144.2	1075.5	1056.4	1053.9
65°	2371.2	1219.3	996.6	995.3	1047.5	1135.3	1146.8	1070.4	997.9	971.1	971.1
67.5°	1172.2	933.0	887.1	880.8	913.9	976.2	1024.6	962.2	901.1	875.7	871.9
70°	828.6	822.2	807.0	789.1	795.5	821.0	841.3	789.1	724.2	698.8	693.7
72.5°	716.6	717.9	707.7	693.7	688.6	670.8	652.9	614.8	575.3	548.6	551.1
75°	556.2	558.8	565.1	560.0	546.0	526.9	507.8	459.5	427.7	402.2	397.1
77.5°	324.6	337.3	357.7	352.6	355.1	328.4	320.7	273.7	244.4	226.6	222.7
80°	183.3	190.9	199.8	206.2	198.6	187.1	170.6	145.1	136.2	123.5	120.9
82.5°	110.7	118.4	122.2	127.3	124.7	109.5	96.7	80.2	72.5	66.2	64.9
85°	56.0	61.1	64.9	67.5	59.8	49.6	44.5	35.6	30.5	26.7	26.7
87.5°	14.0	15.3	17.8	15.3	14.0	6.4	5.1	1.3	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)