

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: P629613

Luminaire Tested: GWS-SA1C-722-U-RW-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-50)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA1C-722-U-RW-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (16) 2200K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 2294.7 lumens
Efficiency: N/A
Efficacy: 67.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B1 - U0 - G0

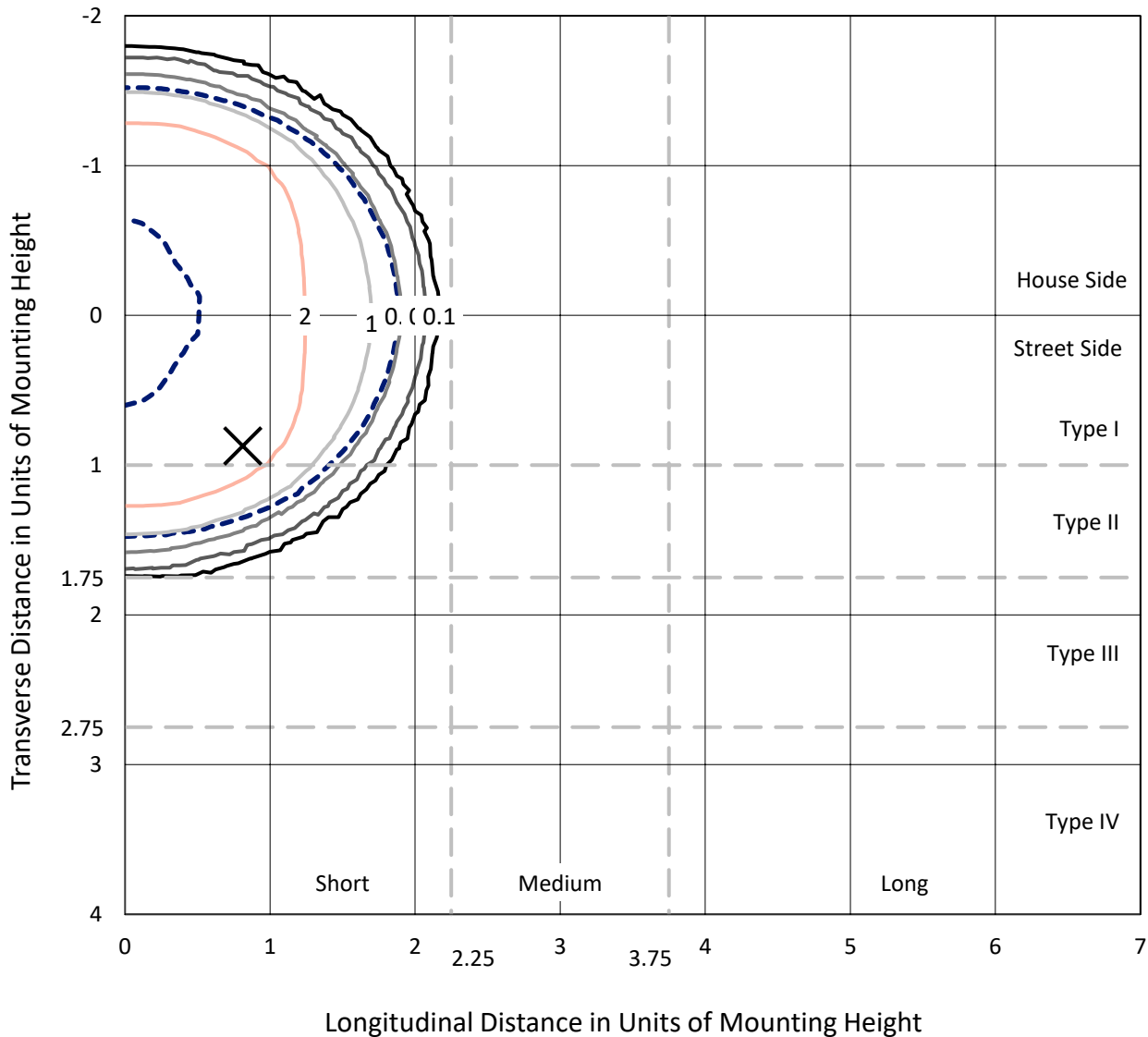
Input Watts (W): 34.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629613
 CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

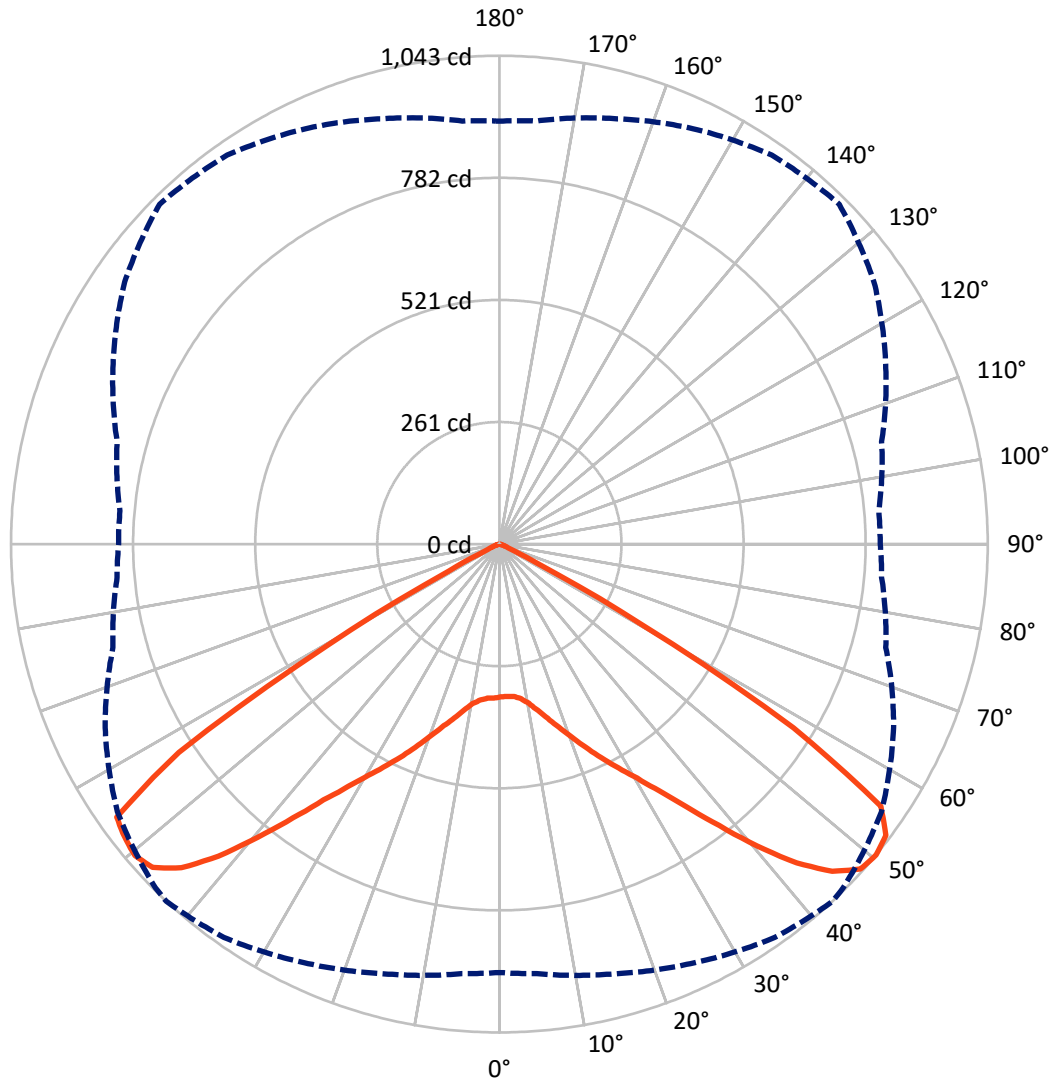
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 3.9 fc
 Type V - Short - N/A

REPORT NUMBER: P629613
CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 43-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

REPORT NUMBER: P629613
 CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1147.3	0.0	1147.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1147.4	0.0	1147.4
	% Fixture	50.0	0.0	50.0
Total	Lumens	2294.7	0.0	2294.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	32.1	1.4
10°-20°	110.6	4.8
20°-30°	223.8	9.8
30°-40°	415.2	18.1
40°-50°	689.2	30.0
50°-60°	703.3	30.7
60°-70°	115.3	5.0
70°-80°	5.1	0.2
80°-90°	0.1	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°	2294.7	100.0
0°-180°	2294.7	100.0

Coefficient of Utilization



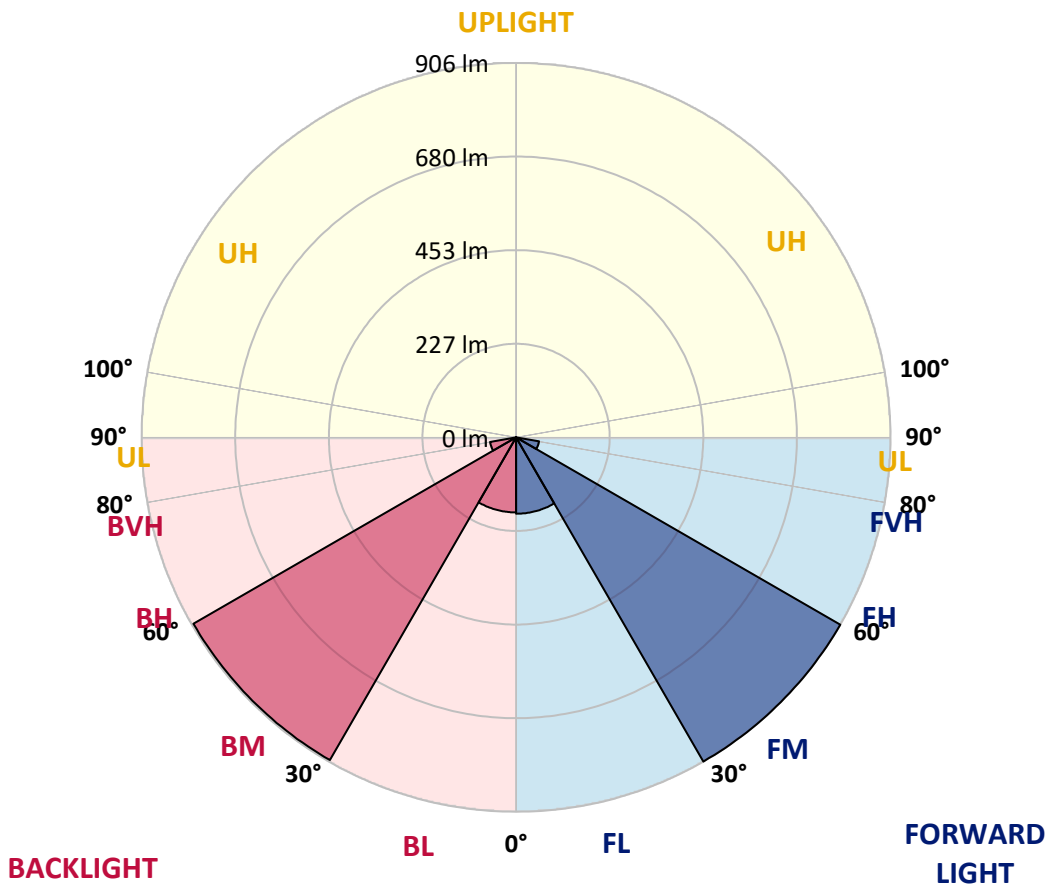
REPORT NUMBER: P629613

CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	184.9	8.1			
FM (30°-60°)	906.1	39.5			
FH (60°-80°)	56.4	2.5			G0/660
FVH (80°-90°)	0.0	0.0			G0/10
BL (0°-30°)	181.7	7.9	B1/500		
BM (30°-60°)	901.7	39.3	B1/1000		
BH (60°-80°)	64.0	2.8	B0/110		G0/660
BVH (80°-90°)	0.1	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G0
 Type V Short





REPORT NUMBER: P629613

CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	43°	45°	55°	65°	75°	85°
0°	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4
2.5°	320.3	321.1	322.1	323.1	324.4	325.6	326.4	328.7	328.2	330.2	330.2
5°	316.7	317.5	318.8	321.1	323.8	326.6	328.7	333.2	335.8	339.8	341.4
7.5°	318.5	319.5	321.1	324.6	328.9	333.2	335.5	342.9	348.0	355.6	359.9
10°	324.4	325.4	327.9	334.0	339.6	345.7	348.5	357.9	366.0	376.4	382.5
12.5°	331.0	332.2	337.3	346.4	356.1	364.2	368.0	378.4	386.8	398.5	408.1
15°	337.8	339.8	347.7	361.2	374.9	385.8	389.8	401.0	409.4	421.8	432.7
17.5°	353.8	356.1	365.0	379.4	398.2	410.9	414.5	426.1	432.5	440.8	452.3
20°	373.8	378.2	389.1	406.6	427.1	439.3	441.9	453.3	452.8	456.3	466.2
22.5°	398.7	401.8	413.7	434.5	457.6	471.0	476.9	481.7	475.4	472.3	478.7
25°	424.6	428.2	441.1	463.9	489.8	505.3	510.1	513.9	503.8	492.4	493.1
27.5°	458.1	460.6	473.3	497.7	523.6	541.1	545.4	552.0	538.6	520.3	515.2
30°	498.0	500.5	513.9	539.6	565.2	580.2	586.8	594.9	580.2	557.3	551.5
32.5°	544.7	547.2	564.4	590.8	611.9	628.2	634.5	643.1	631.5	605.8	599.2
35°	600.5	602.0	622.3	651.0	673.3	689.1	693.4	703.5	690.6	665.0	661.4
37.5°	665.2	667.0	689.1	722.3	745.2	762.7	769.5	772.3	756.6	727.9	725.1
40°	736.3	742.1	763.7	799.5	825.1	847.2	853.3	843.9	821.8	782.7	777.6
42.5°	810.4	815.5	839.6	878.4	908.1	930.7	930.9	910.6	873.1	819.0	811.4
45°	872.1	874.1	905.3	944.4	980.9	996.9	998.4	961.6	905.0	840.1	823.8
47.5°	914.4	917.7	944.9	982.5	1022.8	1037.3	1034.2	988.3	920.3	853.8	826.9
50°	914.9	920.5	950.0	986.3	1025.3	1042.9	1038.5	995.9	928.9	854.3	819.5
52.5°	834.0	843.1	891.1	943.6	1003.5	1033.5	1034.5	1005.8	925.6	846.2	812.9
55°	629.2	639.1	699.5	789.1	904.8	988.3	1002.8	994.1	921.8	849.7	824.6
57.5°	333.0	325.4	358.9	447.7	593.1	740.8	783.2	852.3	879.4	854.0	846.2
60°	72.6	77.4	103.0	138.8	231.5	348.5	389.8	508.1	648.7	711.1	756.3
62.5°	31.2	30.7	32.0	36.3	53.0	88.3	107.9	176.1	277.9	381.7	452.0
65°	25.6	25.9	26.9	26.9	25.1	25.4	26.6	40.4	65.0	91.1	122.3
67.5°	19.3	19.5	21.3	21.8	20.6	18.3	18.0	15.2	16.0	20.1	20.8
70°	12.2	12.2	13.2	13.7	13.7	12.7	12.4	10.9	10.7	12.2	13.7
72.5°	6.6	6.6	7.1	7.4	7.1	6.9	6.9	6.6	6.3	7.4	9.4
75°	2.8	2.8	3.0	3.0	2.8	2.8	2.8	2.8	2.8	3.3	5.1
77.5°	0.5	0.8	1.0	0.8	0.5	0.5	0.5	0.8	0.8	1.0	1.5
80°	0.3	0.3	0.5	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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



REPORT NUMBER: P629613
 CATALOG NUMBER: GWS-SA1C-722-U-RW-W-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4	326.4
2.5°	332.0	329.2	330.2	330.7	329.9	329.4	326.6	325.9	324.6	322.6	322.1
5°	343.1	340.9	340.6	339.1	335.5	331.2	325.9	323.6	321.1	318.5	318.0
7.5°	361.9	359.1	357.3	352.3	344.2	337.3	328.4	323.6	320.3	317.0	316.2
10°	386.0	382.7	377.7	368.3	357.3	347.5	337.0	330.7	325.6	321.1	320.8
12.5°	411.7	408.1	399.0	387.0	373.8	364.7	351.5	342.6	335.0	328.2	327.4
15°	438.6	434.2	421.8	407.6	395.4	386.0	371.6	357.3	345.7	335.8	334.8
17.5°	459.1	453.8	439.1	428.4	418.5	408.9	392.6	373.8	358.4	346.4	343.6
20°	472.1	467.0	453.0	447.2	442.6	435.8	416.5	396.9	379.7	365.0	362.4
22.5°	484.5	478.4	466.2	466.2	469.8	467.0	446.2	423.8	403.5	386.5	382.7
25°	498.5	493.6	485.0	492.1	501.0	500.7	479.4	451.5	428.2	409.1	405.3
27.5°	518.8	513.9	510.9	524.3	535.5	534.8	511.4	481.2	456.6	437.8	434.2
30°	554.5	550.0	546.7	562.9	577.1	571.8	546.2	517.0	492.1	470.8	468.3
32.5°	602.3	597.4	593.1	609.4	622.1	615.2	590.8	563.4	534.8	513.9	508.9
35°	665.0	654.8	650.5	669.8	675.1	667.5	644.1	620.0	589.6	565.7	562.4
37.5°	729.7	717.7	714.7	731.4	740.1	737.3	709.9	684.7	651.8	625.4	621.6
40°	785.0	774.1	768.8	794.9	814.4	816.2	791.6	760.9	722.1	694.6	687.8
42.5°	817.5	808.1	806.8	847.4	879.4	902.3	872.8	841.1	800.2	769.3	763.7
45°	824.8	818.8	829.4	882.7	932.5	974.1	949.0	915.5	871.3	838.6	833.2
47.5°	824.1	822.1	841.1	901.0	963.9	1015.2	1002.8	964.9	922.3	888.0	883.0
50°	813.2	813.4	845.1	910.1	976.6	1026.4	1013.9	978.9	940.8	907.1	903.0
52.5°	808.9	807.3	837.5	907.3	989.6	1021.3	993.4	954.0	911.6	870.0	863.9
55°	824.1	820.3	838.6	905.0	991.1	1018.5	944.9	859.6	772.8	723.6	719.5
57.5°	846.9	842.9	851.5	888.3	911.6	846.9	695.4	557.8	468.5	430.7	414.2
60°	756.3	753.5	746.9	702.5	602.5	454.6	309.6	197.5	141.9	114.7	114.7
62.5°	469.3	465.5	429.7	319.3	232.0	134.3	73.9	46.2	35.0	32.7	32.5
65°	131.7	131.0	108.4	76.6	48.7	30.2	26.6	27.2	26.6	25.9	25.6
67.5°	19.8	21.8	21.8	17.8	17.0	19.0	22.3	23.9	22.6	21.3	20.8
70°	12.7	13.7	13.2	11.4	12.2	14.2	16.0	16.2	15.5	14.2	14.0
72.5°	8.9	9.9	8.1	7.4	7.6	8.4	9.1	9.1	8.9	8.4	7.9
75°	5.3	5.3	3.8	3.6	3.6	3.8	3.8	4.3	4.3	4.1	3.8
77.5°	1.8	2.0	1.3	1.0	1.0	1.0	1.3	1.5	1.5	1.3	1.0
80°	0.3	0.5	0.3	0.3	0.3	0.3	0.3	0.3	0.5	0.5	0.3
82.5°	0.3	0.3	0.3	0.0	0.0	0.0	0.0	0.3	0.3	0.3	0.3
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.3	0.3
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)