

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: P640822

Luminaire Tested: GWS-SA5E-760-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640822
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-760-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34335.4 lumens
Efficiency: N/A
Efficacy: 127.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

Input Watts (W): 269.6
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

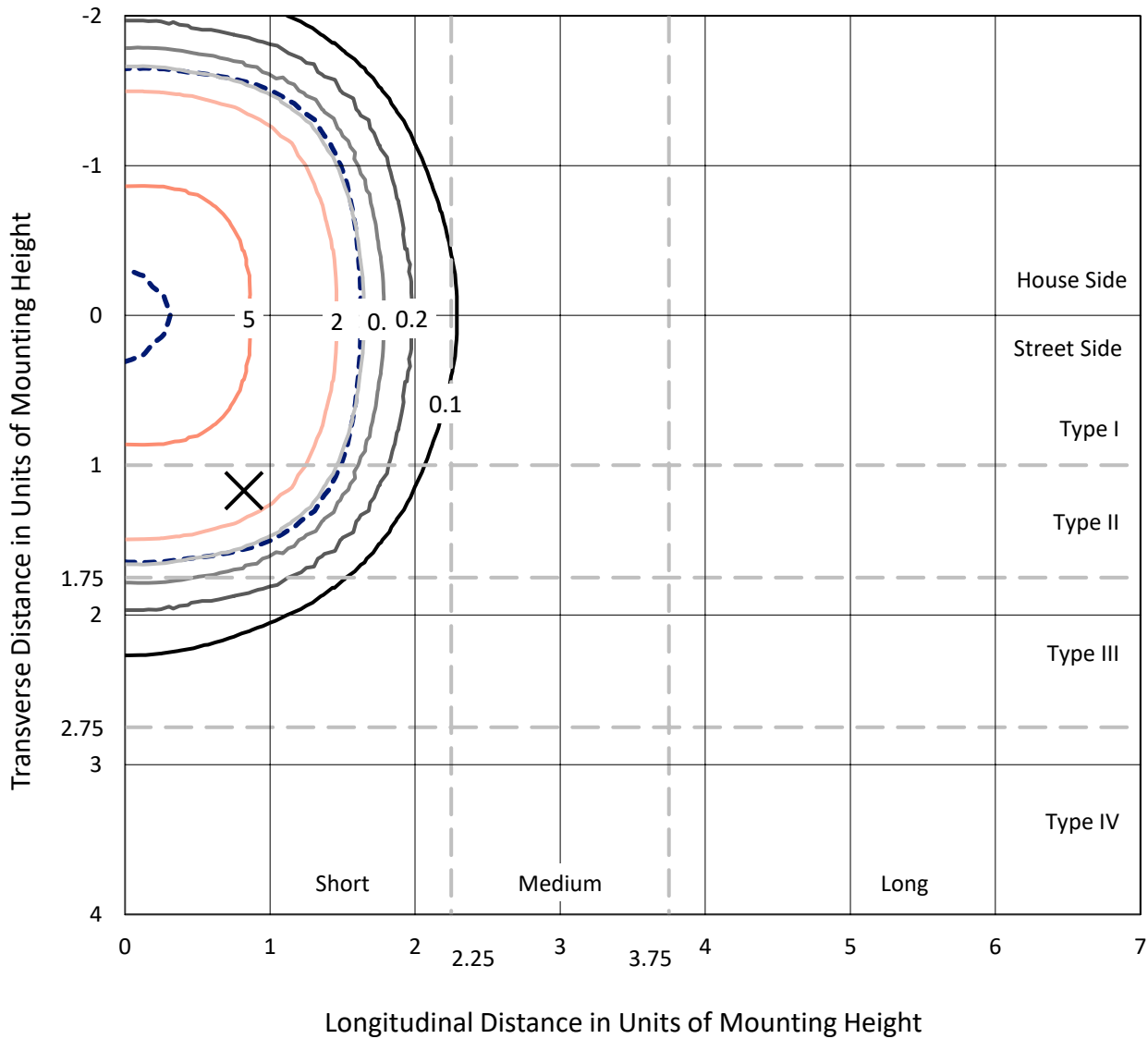


REPORT NUMBER: P640822

CATALOG NUMBER: GWS-SA5E-760-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

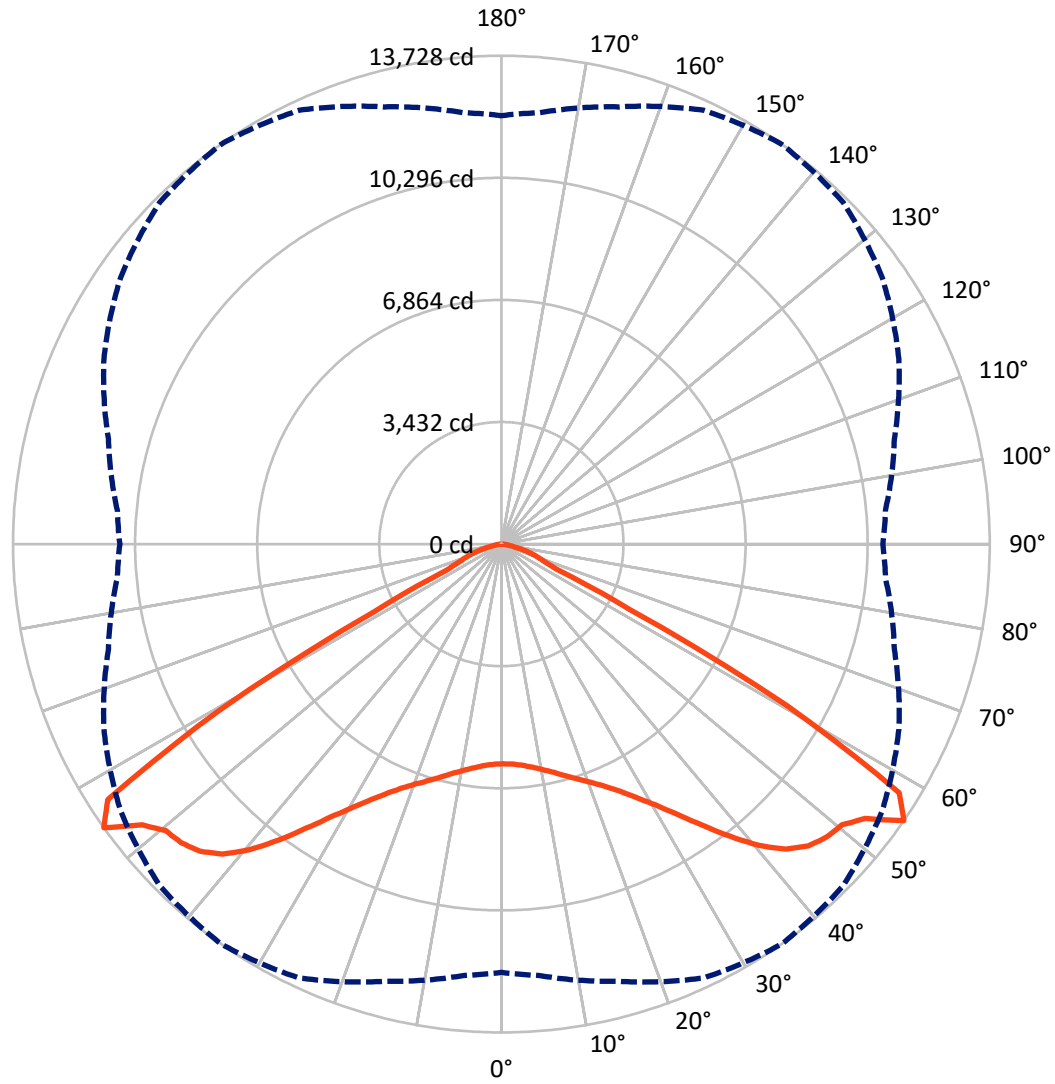
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

REPORT NUMBER: P640822
CATALOG NUMBER: GWS-SA5E-760-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P640822

CATALOG NUMBER: GWS-SA5E-760-U-5NQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	17167.7	0.0	17167.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	17167.7	0.0	17167.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	34335.4	0.0	34335.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	602.5	1.8
10°-20°	1918.2	5.6
20°-30°	3550.2	10.3
30°-40°	5938.8	17.3
40°-50°	9049.7	26.4
50°-60°	10137.6	29.5
60°-70°	2398.6	7.0
70°-80°	646.7	1.9
80°-90°	93.1	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°	34335.4	100.0
0°-180°	34335.4	100.0

Coefficient of Utilization



REPORT NUMBER: P640822

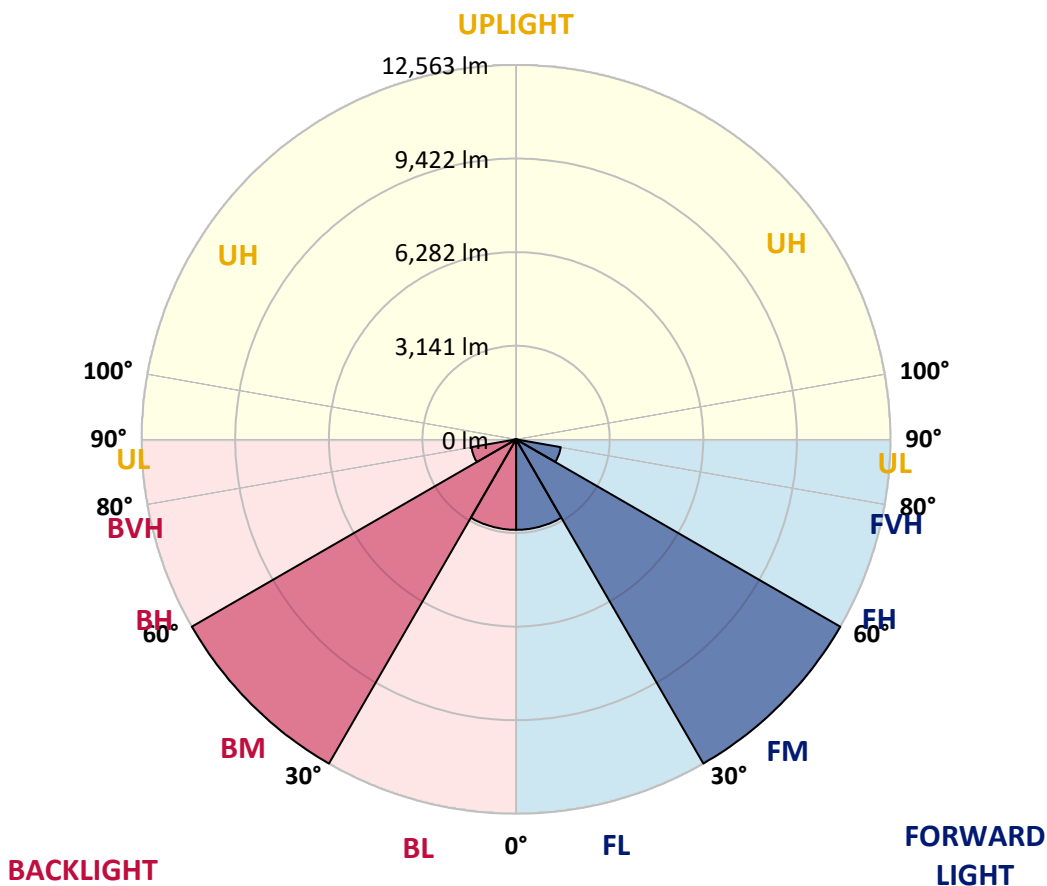
CATALOG NUMBER: GWS-SA5E-760-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3035.4	8.8			
FM (30°-60°)	12563.0	36.6			
FH (60°-80°)	1522.7	4.4			G1/1800
FVH (80°-90°)	46.5	0.1			G1/100
BL (0°-30°)	3035.4	8.8	B4/5000		
BM (30°-60°)	12563.0	36.6	B5		
BH (60°-80°)	1522.7	4.4	B3/2500		G1/1800
BVH (80°-90°)	46.5	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





REPORT NUMBER: P640822

CATALOG NUMBER: GWS-SA5E-760-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0	6177.0
2.5°	6163.5	6163.5	6174.3	6187.9	6190.6	6217.8	6212.3	6201.5	6196.0	6185.2	6209.6
5°	6231.3	6234.0	6242.2	6250.3	6244.9	6266.6	6258.5	6244.9	6236.8	6223.2	6247.6
7.5°	6320.9	6320.9	6329.1	6339.9	6334.5	6367.1	6350.8	6331.8	6318.2	6301.9	6323.7
10°	6402.4	6407.8	6416.0	6437.7	6448.5	6483.8	6473.0	6445.8	6424.1	6405.1	6429.5
12.5°	6524.6	6530.0	6538.1	6568.0	6587.0	6622.3	6606.0	6568.0	6535.4	6508.3	6535.4
15°	6682.1	6676.6	6698.3	6736.4	6760.8	6793.4	6774.4	6709.2	6665.8	6630.5	6657.6
17.5°	6842.2	6839.5	6861.3	6910.1	6945.4	6988.9	6956.3	6880.3	6834.1	6790.7	6817.8
20°	7016.0	7024.2	7045.9	7092.0	7143.6	7200.7	7173.5	7092.0	7040.5	6991.6	7013.3
22.5°	7230.5	7233.2	7257.7	7317.4	7385.3	7439.6	7423.3	7322.8	7257.7	7206.1	7233.2
25°	7488.5	7485.7	7518.3	7588.9	7684.0	7738.3	7703.0	7591.6	7521.0	7461.3	7483.0
27.5°	7784.4	7781.7	7830.6	7922.9	8058.6	8134.7	8061.4	7922.9	7825.1	7741.0	7760.0
30°	8156.4	8148.3	8202.6	8327.5	8503.9	8631.6	8522.9	8330.2	8202.6	8113.0	8132.0
32.5°	8569.1	8580.0	8647.8	8816.2	9038.8	9204.5	9041.5	8827.0	8656.0	8525.7	8547.4
35°	9022.5	9022.5	9161.0	9370.1	9687.8	9907.7	9655.2	9345.6	9117.6	8938.4	8943.8
37.5°	9527.6	9533.0	9714.9	10002.7	10418.1	10676.1	10334.0	9951.1	9674.2	9481.4	9470.5
40°	10143.9	10160.2	10347.5	10667.9	11134.9	11371.2	11004.6	10629.9	10347.5	10119.5	10097.7
42.5°	10839.0	10844.4	11042.6	11330.4	11724.1	11865.3	11577.5	11270.7	11039.9	10833.6	10811.8
45°	11501.5	11487.9	11659.0	11873.5	12101.5	12115.1	11954.9	11830.0	11629.1	11452.6	11420.0
47.5°	12017.4	12006.5	12161.3	12278.0	12305.2	12172.1	12223.7	12242.7	12009.2	11770.3	11707.8
50°	12332.3	12354.1	12500.7	12565.8	12405.6	12188.4	12383.9	12335.1	12001.1	11688.8	11588.4
52.5°	12522.4	12555.0	12810.2	12975.8	12810.2	12603.9	12631.0	12343.2	11862.6	11449.9	11319.6
55°	12041.8	12172.1	12723.3	13456.4	13727.9	13584.0	13068.2	12326.9	11436.3	10836.3	10725.0
57.5°	8924.8	9131.1	9948.4	11536.8	13187.6	13711.7	12204.7	10334.0	8984.5	8213.4	8148.3
60°	4556.1	4786.9	5441.2	7073.0	9196.3	9934.8	8501.2	6616.9	5259.3	4634.8	4564.2
62.5°	1859.9	1897.9	2112.4	2742.3	4064.6	4689.1	4118.9	2891.7	2172.1	2001.1	2003.8
65°	1463.5	1471.6	1460.8	1498.8	1702.4	1889.8	1745.9	1534.1	1496.1	1515.1	1501.5
67.5°	1276.1	1278.8	1270.7	1270.7	1278.8	1270.7	1287.0	1295.1	1300.6	1322.3	1308.7
70°	1067.1	1069.8	1069.8	1075.2	1072.5	1058.9	1083.4	1094.2	1096.9	1110.5	1102.4
72.5°	825.4	833.6	839.0	841.7	839.0	830.8	844.4	863.4	860.7	874.3	860.7
75°	559.3	570.2	575.6	586.5	583.8	583.8	600.1	608.2	600.1	610.9	600.1
77.5°	317.7	325.8	342.1	353.0	363.8	372.0	382.8	388.3	385.6	391.0	385.6
80°	184.6	187.3	200.9	206.4	219.9	233.5	244.4	249.8	252.5	255.2	252.5
82.5°	105.9	108.6	114.0	119.5	130.3	141.2	152.0	160.2	160.2	162.9	160.2
85°	51.6	51.6	54.3	57.0	62.4	70.6	78.7	86.9	89.6	89.6	89.6
87.5°	8.1	8.1	10.9	10.9	13.6	16.3	21.7	27.2	29.9	29.9	29.9
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)