

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: P640711

Luminaire Tested: GWS-SA5E-740-U-5NQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-8)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-740-U-5NQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (80) 4000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26416.6 lumens
Efficiency: N/A
Efficacy: 98.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G0

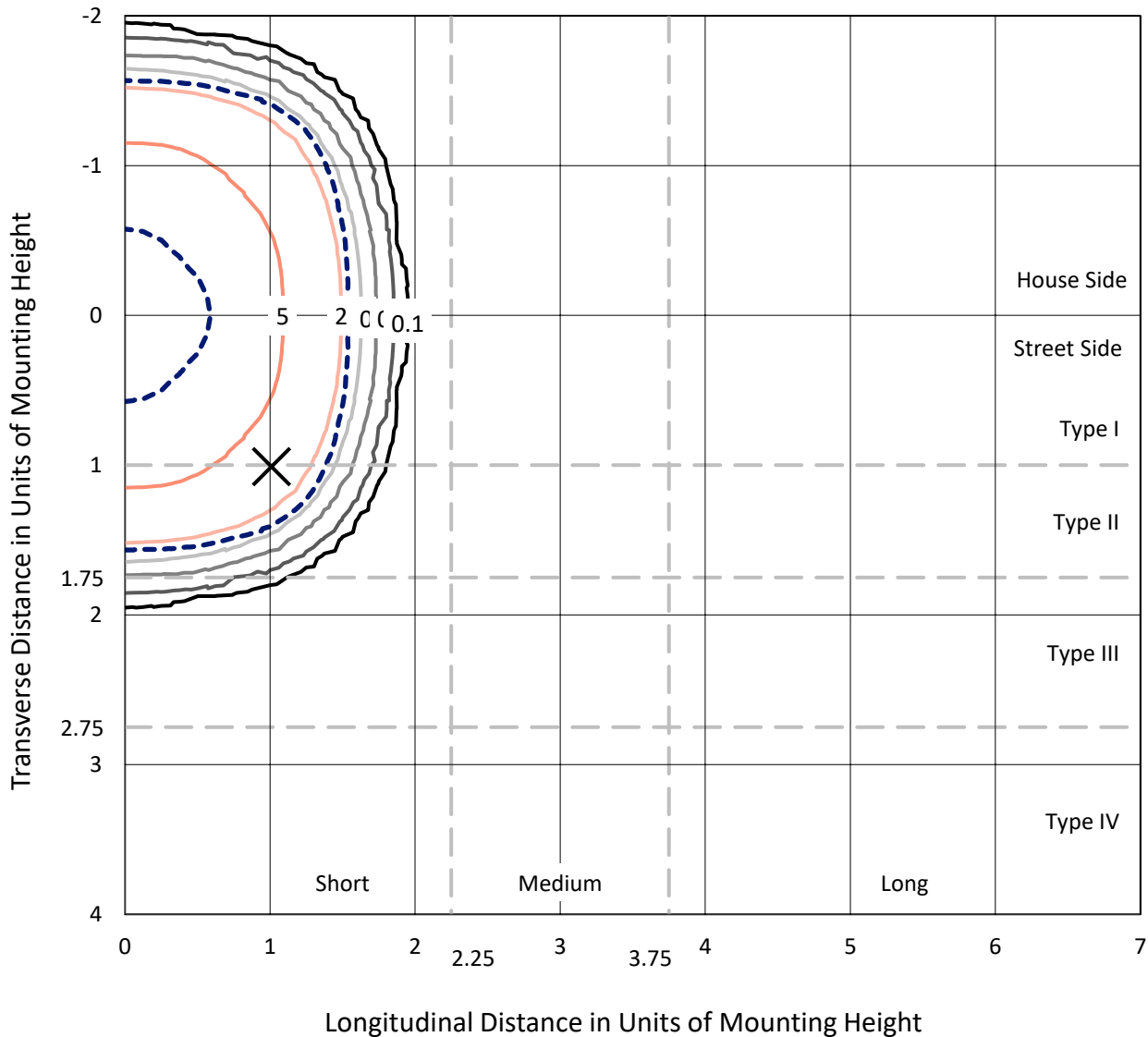
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640711
 CATALOG NUMBER: GWS-SA5E-740-U-5NQ-W-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

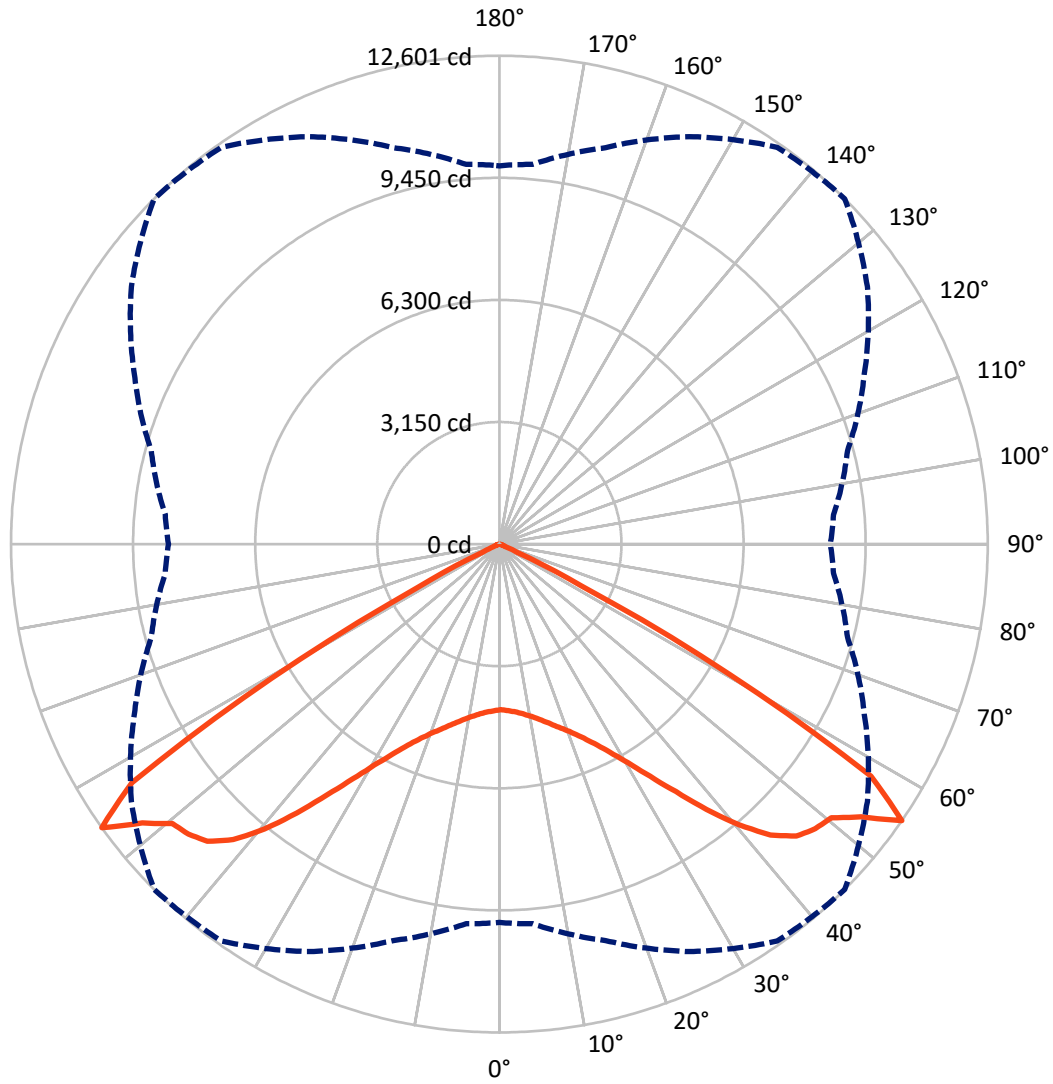
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.9 fc
 Type V - Short - N/A

REPORT NUMBER: P640711
CATALOG NUMBER: GWS-SA5E-740-U-5NQ-W-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

REPORT NUMBER: P640711

CATALOG NUMBER: GWS-SA5E-740-U-5NQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	13208.3	0.0	13208.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	13208.3	0.0	13208.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	26416.6	0.0	26416.6
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	418.5	1.6
10°-20°	1356.5	5.1
20°-30°	2627.0	9.9
30°-40°	4706.4	17.8
40°-50°	7890.7	29.9
50°-60°	8446.6	32.0
60°-70°	928.2	3.5
70°-80°	40.9	0.2
80°-90°	1.9	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°	26416.6	100.0
0°-180°	26416.6	100.0

Coefficient of Utilization



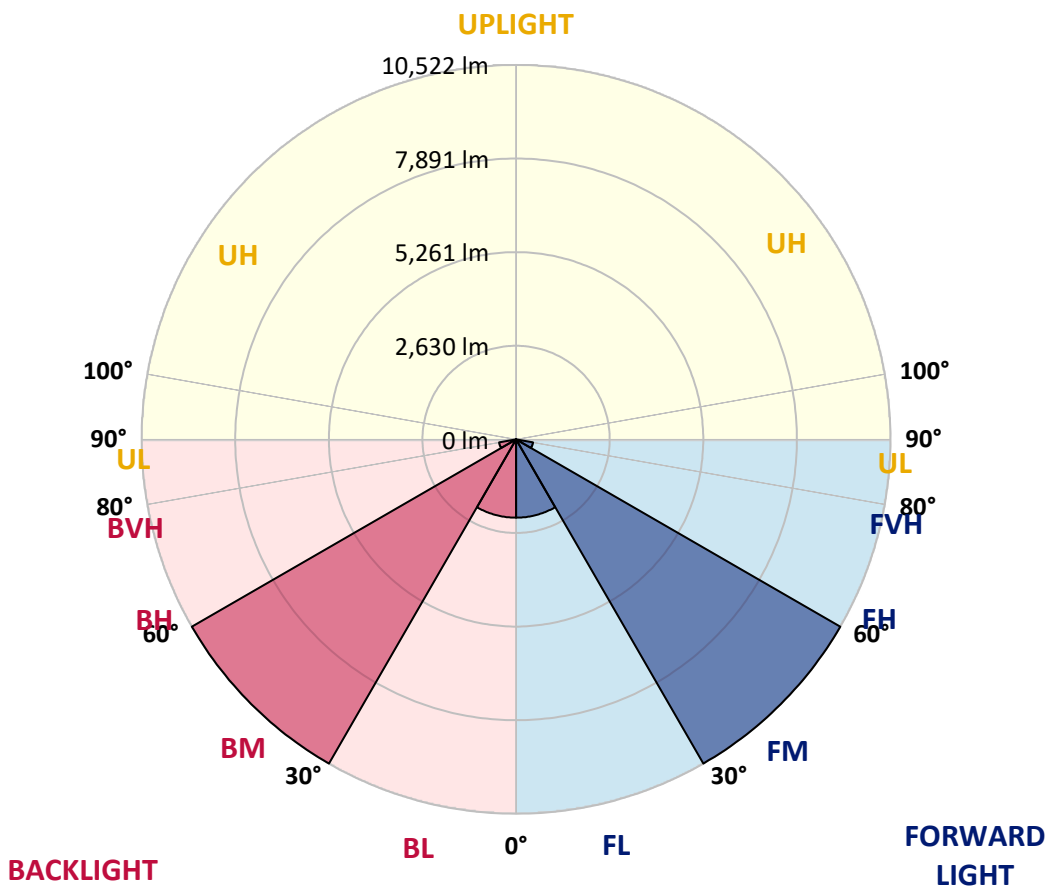
REPORT NUMBER: P640711

CATALOG NUMBER: GWS-SA5E-740-U-5NQ-W-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2201.0	8.3			
FM (30°-60°)	10521.8	39.8			
FH (60°-80°)	484.5	1.8			G0/660
FVH (80°-90°)	1.0	0.0			G0/10
BL (0°-30°)	2201.0	8.3	B3/2500		
BM (30°-60°)	10521.8	39.8	B5		
BH (60°-80°)	484.5	1.8	B1/500		G0/660
BVH (80°-90°)	1.0	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G0
 Type V Short





REPORT NUMBER: P640711
 CATALOG NUMBER: GWS-SA5E-740-U-5NQ-W-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1	4271.1
2.5°	4263.0	4263.0	4273.7	4281.8	4281.8	4303.4	4295.3	4287.2	4287.2	4276.4	4298.0
5°	4324.9	4322.2	4333.0	4338.3	4327.6	4349.1	4335.6	4327.6	4322.2	4311.4	4333.0
7.5°	4392.2	4394.9	4397.5	4408.3	4402.9	4424.5	4413.7	4397.5	4392.2	4376.0	4397.5
10°	4472.9	4472.9	4478.3	4491.7	4494.4	4521.3	4510.6	4491.7	4475.6	4459.4	4481.0
12.5°	4575.2	4577.9	4585.9	4604.8	4615.5	4645.1	4629.0	4591.3	4567.1	4548.3	4572.5
15°	4723.2	4720.5	4731.3	4758.2	4771.6	4793.2	4768.9	4717.8	4688.2	4666.7	4682.8
17.5°	4884.7	4884.7	4890.0	4917.0	4935.8	4968.1	4938.5	4876.6	4849.7	4820.1	4836.2
20°	5062.3	5070.4	5075.7	5094.6	5126.9	5159.2	5135.0	5073.1	5043.5	5005.8	5024.6
22.5°	5296.4	5288.4	5291.0	5323.3	5369.1	5401.4	5382.6	5309.9	5258.8	5229.1	5239.9
25°	5557.5	5554.8	5562.9	5611.3	5662.4	5697.4	5670.5	5576.3	5525.2	5474.1	5495.6
27.5°	5877.7	5880.4	5885.8	5945.0	6025.8	6076.9	6009.6	5915.4	5845.5	5778.2	5794.3
30°	6257.2	6251.8	6268.0	6348.7	6467.1	6547.9	6469.8	6338.0	6238.4	6173.8	6181.9
32.5°	6660.9	6666.3	6709.4	6838.5	6994.6	7137.3	6978.5	6803.5	6674.4	6553.3	6569.4
35°	7096.9	7110.4	7207.2	7398.3	7654.0	7845.1	7624.4	7336.4	7153.4	6997.3	7002.7
37.5°	7610.9	7643.2	7777.8	8063.1	8429.1	8684.7	8361.8	7979.6	7742.8	7549.0	7535.6
40°	8286.4	8324.1	8507.1	8846.2	9290.3	9524.4	9150.3	8757.4	8464.1	8254.1	8221.8
42.5°	9061.5	9110.0	9309.1	9656.3	10100.4	10259.1	9893.1	9562.1	9298.4	9050.8	9040.0
45°	9936.2	9963.1	10124.6	10391.0	10711.3	10749.0	10474.4	10291.4	10025.0	9793.6	9774.7
47.5°	10757.0	10783.9	10894.3	11031.5	11106.9	10972.3	10923.9	10843.2	10498.7	10213.4	10154.2
50°	11381.4	11402.9	11540.2	11594.0	11384.1	11098.8	11193.0	11020.8	10646.7	10326.4	10234.9
52.5°	11338.3	11392.2	11744.7	12051.5	11919.7	11688.2	11435.2	11063.8	10482.5	10043.8	9930.8
55°	9761.3	9833.9	10590.2	11599.4	12501.0	12600.6	11588.6	10391.0	9298.4	8655.1	8539.4
57.5°	6273.4	6292.2	7215.3	8630.9	10662.8	11303.4	9610.5	7834.3	6475.2	5767.4	5719.0
60°	2306.4	2268.7	2965.8	4139.2	6141.5	6819.7	5657.1	3961.6	2825.8	2325.3	2284.9
62.5°	554.4	559.8	694.3	1041.5	1927.0	2384.5	1883.9	1052.3	670.1	562.5	557.1
65°	279.9	274.5	277.2	298.7	411.8	492.5	403.7	285.3	274.5	277.2	274.5
67.5°	180.3	177.6	183.0	185.7	183.0	172.2	169.6	174.9	174.9	177.6	172.2
70°	110.3	107.7	113.0	121.1	115.7	102.3	107.7	113.0	107.7	105.0	105.0
72.5°	59.2	59.2	64.6	70.0	64.6	59.2	59.2	61.9	59.2	59.2	59.2
75°	26.9	26.9	29.6	32.3	26.9	26.9	26.9	26.9	26.9	26.9	26.9
77.5°	8.1	8.1	10.8	10.8	8.1	8.1	8.1	8.1	10.8	10.8	10.8
80°	2.7	5.4	5.4	2.7	2.7	2.7	2.7	2.7	5.4	5.4	5.4
82.5°	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.7
85°	2.7	2.7	2.7	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	2.7	2.7	2.7	2.7
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)