

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: P640159

Luminaire Tested: GWS-SA5D-735-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640159
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-6)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-735-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 25942.9 lumens
Efficiency: N/A
Efficacy: 126.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

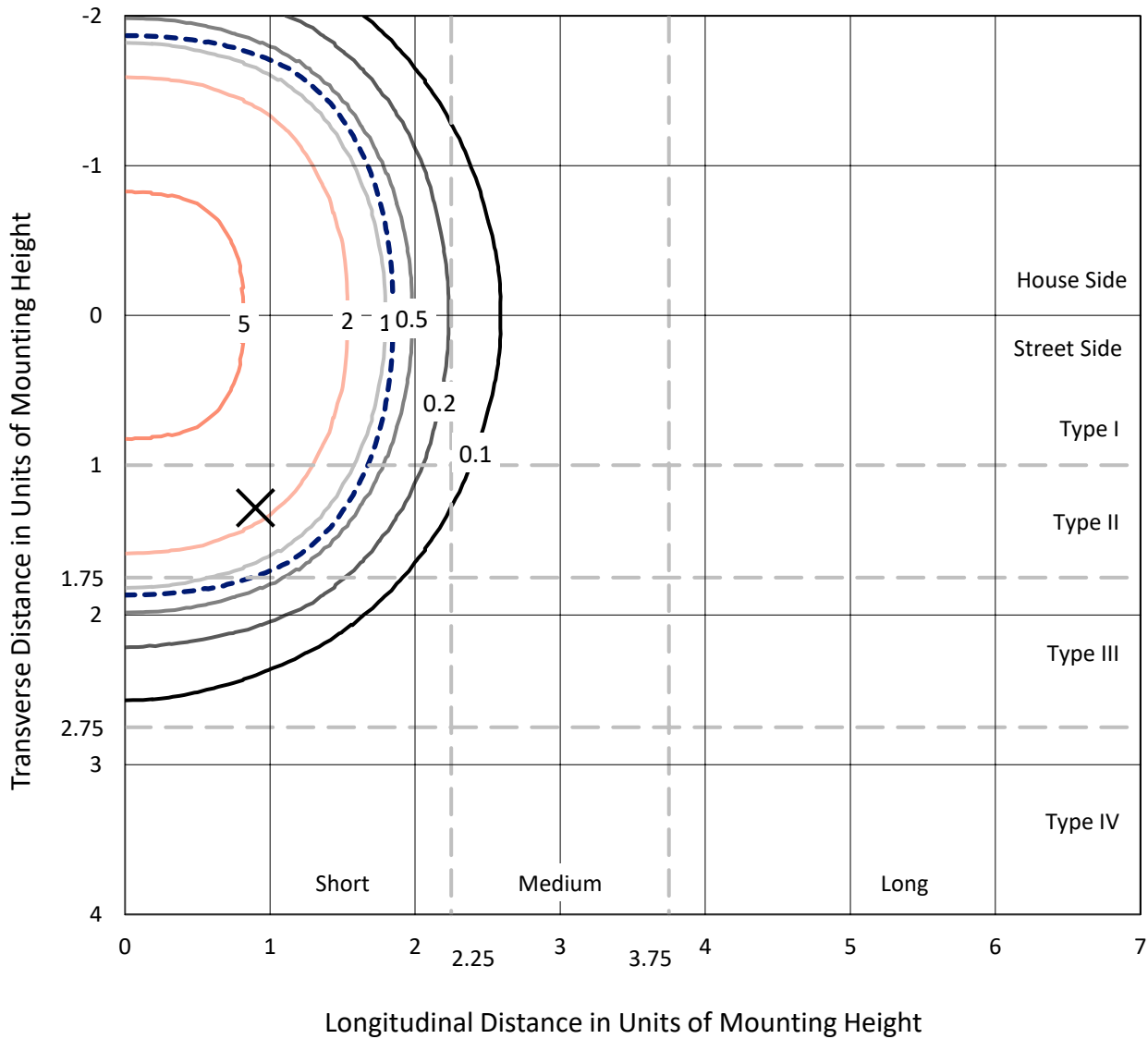
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640159
 CATALOG NUMBER: GWS-SA5D-735-U-5MQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

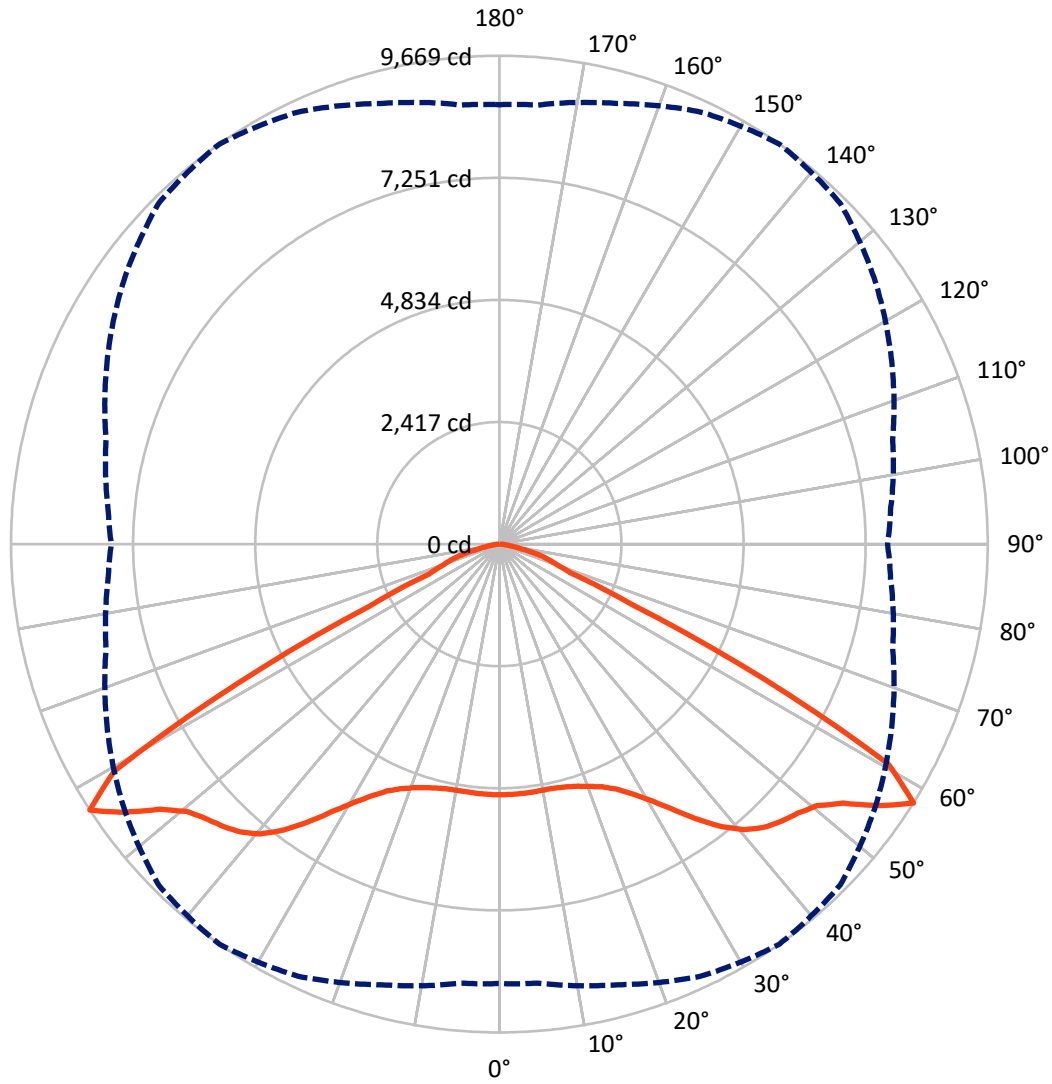
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

REPORT NUMBER: P640159
CATALOG NUMBER: GWS-SA5D-735-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

REPORT NUMBER: P640159

CATALOG NUMBER: GWS-SA5D-735-U-5MQ-W-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12971.5	0.0	12971.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12971.5	0.0	12971.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	25942.9	0.0	25942.9
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	472.2	1.8
10°-20°	1408.9	5.4
20°-30°	2458.3	9.5
30°-40°	4031.0	15.5
40°-50°	5936.7	22.9
50°-60°	7576.3	29.2
60°-70°	3193.0	12.3
70°-80°	762.7	2.9
80°-90°	103.8	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°	25942.9	100.0
0°-180°	25942.9	100.0

Coefficient of Utilization



REPORT NUMBER: P640159

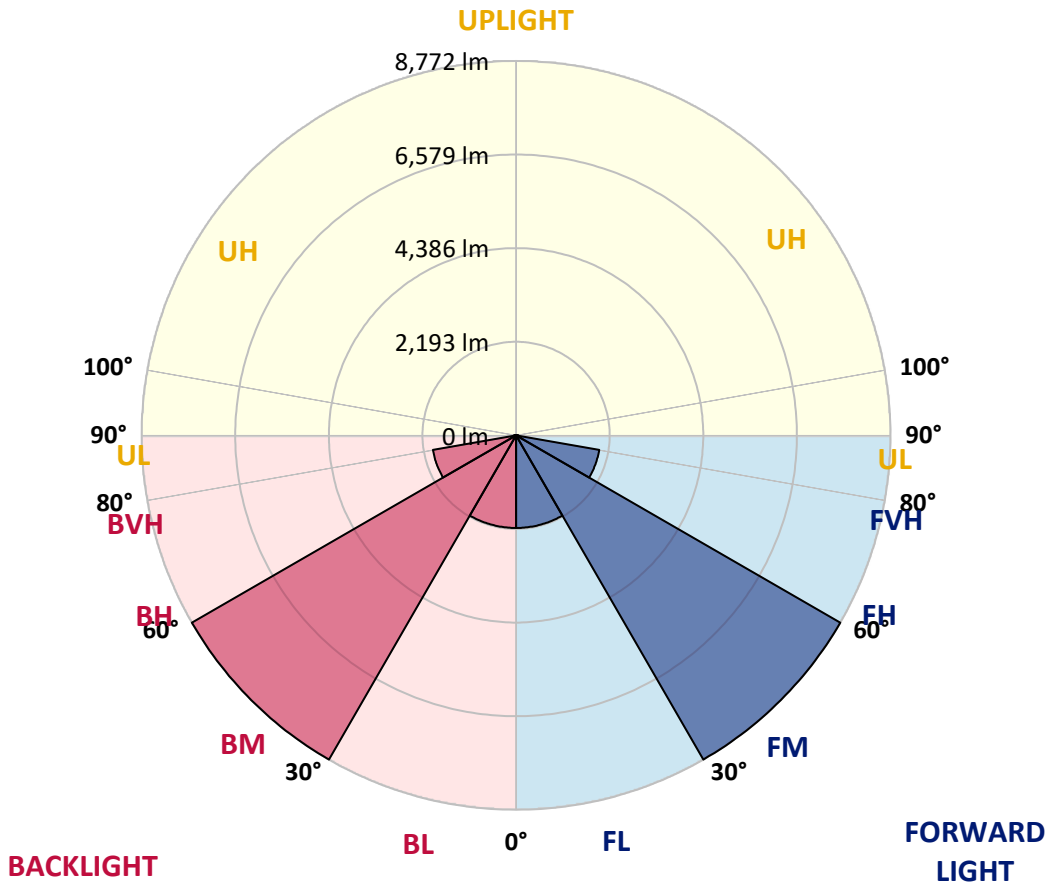
CATALOG NUMBER: GWS-SA5D-735-U-5MQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2169.7	8.4			
FM (30°-60°)	8772.0	33.8			
FH (60°-80°)	1977.9	7.6			G2/5000
FVH (80°-90°)	51.9	0.2			G1/100
BL (0°-30°)	2169.7	8.4	B3/2500		
BM (30°-60°)	8772.0	33.8	B5		
BH (60°-80°)	1977.9	7.6	B3/2500		G2/5000
BVH (80°-90°)	51.9	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





REPORT NUMBER: P640159

CATALOG NUMBER: GWS-SA5D-735-U-5MQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9	4963.9
2.5°	4934.1	4934.1	4944.8	4955.4	4959.6	4978.7	4976.6	4970.2	4966.0	4953.3	4970.2
5°	4944.8	4944.8	4953.3	4959.6	4957.5	4972.4	4966.0	4955.4	4949.0	4936.3	4955.4
7.5°	4942.6	4942.6	4949.0	4955.4	4951.1	4963.9	4953.3	4938.4	4927.8	4915.0	4932.0
10°	4915.0	4919.3	4925.6	4940.5	4946.9	4966.0	4951.1	4927.8	4910.8	4895.9	4912.9
12.5°	4910.8	4915.0	4923.5	4942.6	4953.3	4980.9	4961.8	4923.5	4898.0	4878.9	4895.9
15°	4929.9	4934.1	4946.9	4970.2	4987.2	5017.0	4989.4	4936.3	4900.2	4874.7	4889.5
17.5°	4953.3	4959.6	4978.7	5012.7	5040.3	5072.2	5038.2	4974.5	4923.5	4889.5	4902.3
20°	4978.7	4987.2	5017.0	5068.0	5118.9	5159.3	5116.8	5031.8	4970.2	4925.6	4938.4
22.5°	5023.4	5034.0	5072.2	5144.4	5220.9	5280.4	5227.3	5112.6	5031.8	4974.5	4985.1
25°	5114.7	5127.4	5176.3	5263.4	5371.7	5443.9	5369.6	5240.0	5127.4	5057.3	5068.0
27.5°	5276.1	5282.5	5346.2	5460.9	5594.7	5677.6	5588.3	5435.4	5310.1	5229.4	5237.9
30°	5488.5	5507.6	5571.4	5722.2	5881.5	5991.9	5875.1	5694.5	5550.1	5452.4	5460.9
32.5°	5747.6	5760.4	5856.0	6013.2	6242.5	6370.0	6210.7	5996.2	5822.0	5703.0	5711.5
35°	6087.5	6098.1	6189.4	6389.1	6667.4	6786.3	6603.6	6357.2	6155.5	6042.9	6074.7
37.5°	6493.2	6512.3	6578.1	6775.7	7085.8	7202.6	6992.3	6762.9	6552.7	6448.6	6471.9
40°	6928.6	6926.5	6979.6	7153.8	7436.3	7508.5	7319.4	7136.8	6956.2	6888.3	6926.5
42.5°	7302.4	7291.8	7330.1	7474.5	7669.9	7676.3	7551.0	7449.0	7321.6	7274.8	7310.9
45°	7563.7	7567.9	7625.3	7725.1	7825.0	7771.9	7733.6	7716.6	7616.8	7553.1	7559.5
47.5°	7769.7	7786.7	7878.1	7946.0	7958.8	7869.6	7922.7	7948.2	7865.3	7767.6	7740.0
50°	7952.4	7980.0	8099.0	8171.2	8143.6	8031.0	8135.1	8173.3	7990.6	7803.7	7748.5
52.5°	8283.7	8315.6	8460.0	8553.5	8521.6	8409.1	8506.8	8370.8	8062.8	7833.5	7763.4
55°	8812.6	8827.5	9003.8	9156.7	9141.9	9003.8	8925.2	8623.6	8249.8	8011.9	7946.0
57.5°	8700.1	8725.5	9031.4	9439.2	9668.6	9543.3	9082.4	8568.4	8060.7	7774.0	7684.8
60°	6845.8	6907.4	7287.6	8005.5	8846.6	8844.5	7988.5	7189.9	6578.1	6197.9	6159.7
62.5°	3997.4	4039.9	4386.1	5112.6	5866.6	5913.3	5312.2	4764.2	4229.0	3972.0	3848.8
65°	1892.5	1890.4	2028.5	2355.6	2865.3	2905.7	2725.1	2425.7	2109.2	2022.1	1998.7
67.5°	1397.6	1397.6	1387.0	1410.4	1508.1	1529.3	1508.1	1459.2	1429.5	1448.6	1435.8
70°	1212.8	1214.9	1202.2	1195.8	1195.8	1189.5	1198.0	1217.1	1229.8	1255.3	1242.6
72.5°	983.4	985.6	985.6	987.7	989.8	981.3	994.0	1004.7	1006.8	1015.3	1006.8
75°	698.8	703.1	715.8	726.4	734.9	734.9	739.2	741.3	732.8	743.4	726.4
77.5°	384.5	388.7	412.1	431.2	450.3	452.4	458.8	463.0	458.8	467.3	454.5
80°	212.4	216.7	227.3	235.8	250.6	263.4	271.9	276.1	276.1	282.5	276.1
82.5°	121.1	125.3	131.7	135.9	148.7	159.3	167.8	174.2	174.2	176.3	172.0
85°	57.3	57.3	61.6	65.8	72.2	76.5	87.1	93.5	93.5	97.7	93.5
87.5°	8.5	10.6	12.7	12.7	17.0	21.2	25.5	27.6	31.9	34.0	34.0
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)