

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: P640661

Luminaire Tested: GWS-SA5E-735-U-5WQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640661
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-1)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5E-735-U-5WQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: (80) 3500K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37537.1 lumens
Efficiency: N/A
Efficacy: 139.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

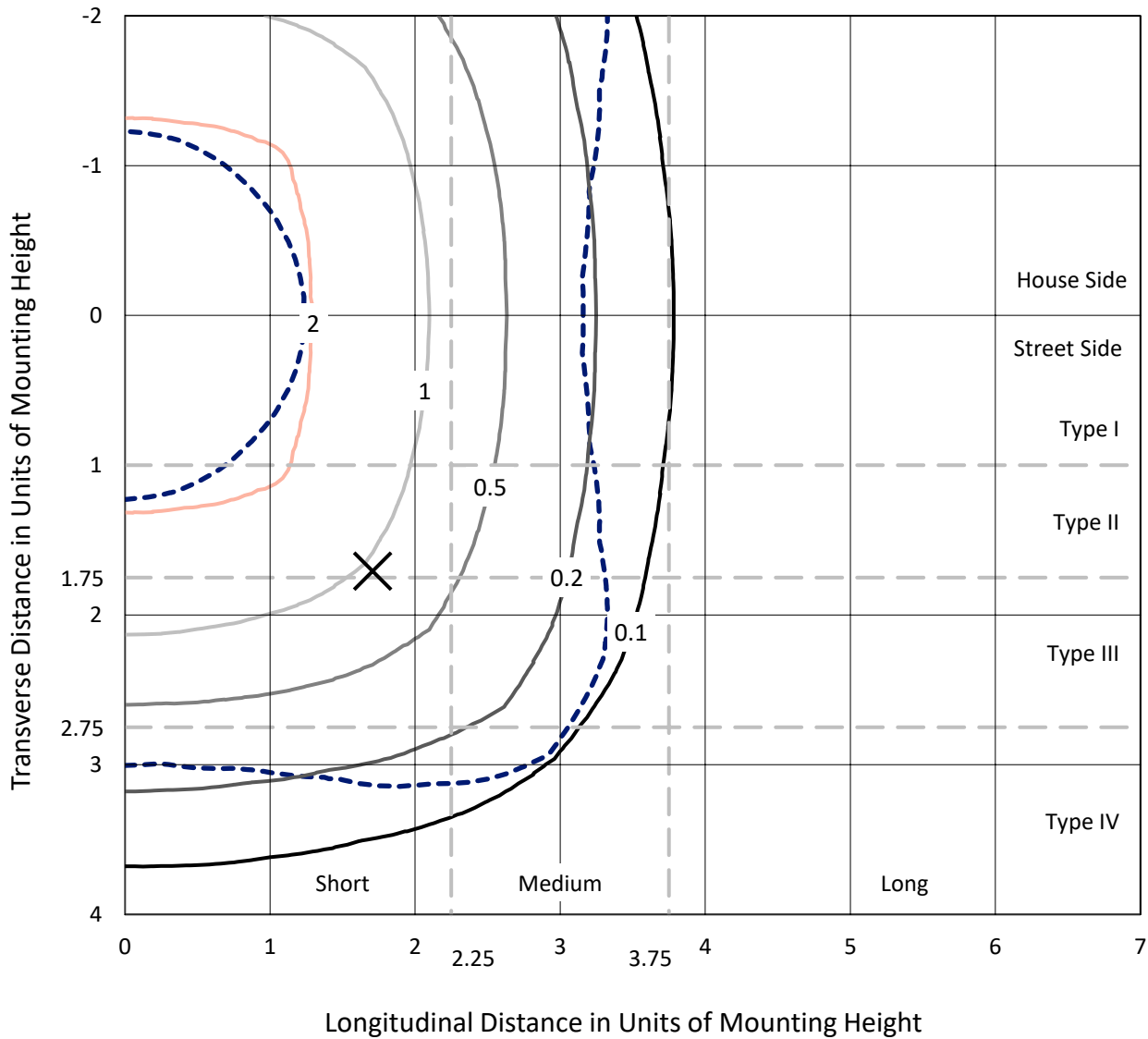
Input Watts (W): 269.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640661
 CATALOG NUMBER: GWS-SA5E-735-U-5WQ-W

Iso-Footcandle Lines of Horizontal Illumination

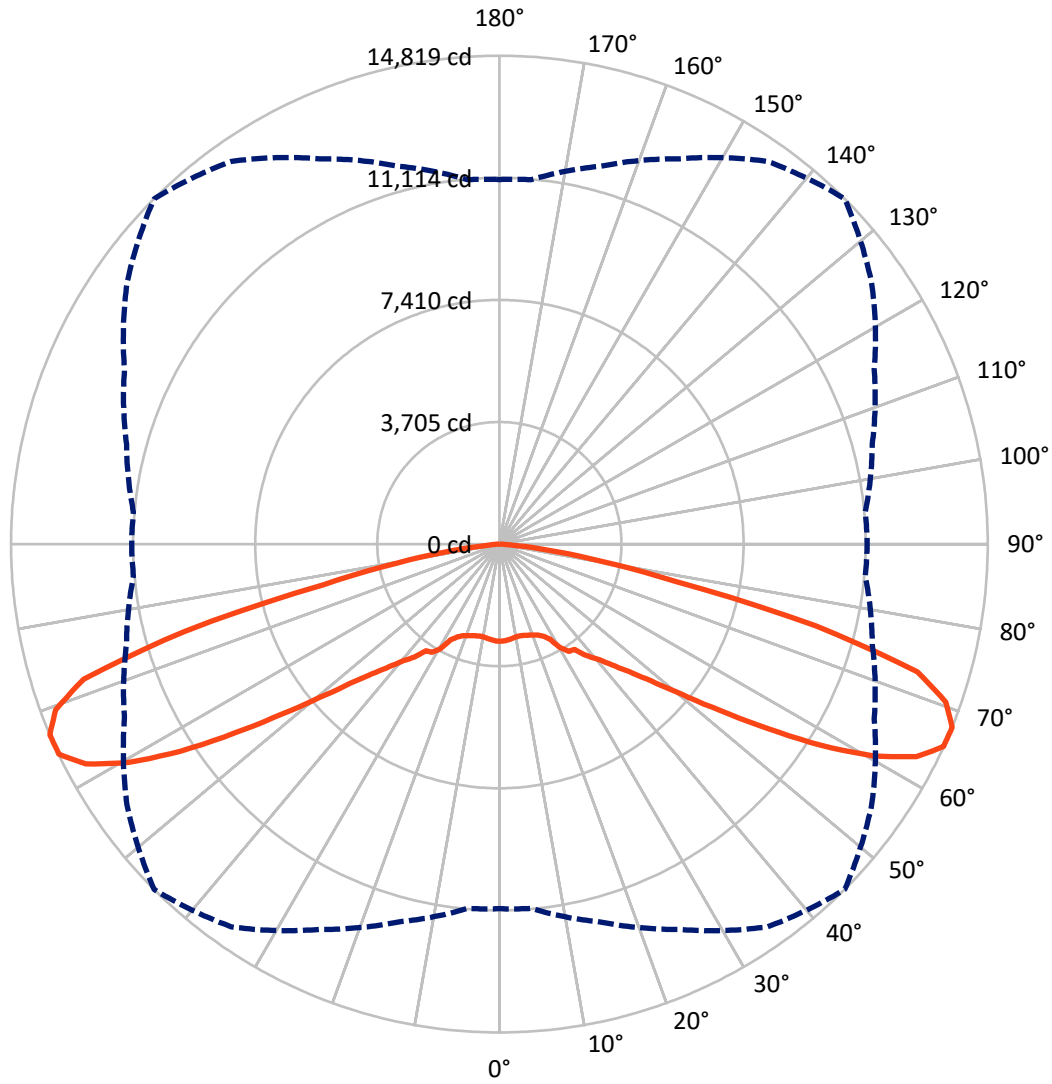
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 3.3 fc
 Type V - Short - N/A

REPORT NUMBER: P640661
CATALOG NUMBER: GWS-SA5E-735-U-5WQ-W

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

REPORT NUMBER: P640661

CATALOG NUMBER: GWS-SA5E-735-U-5WQ-W

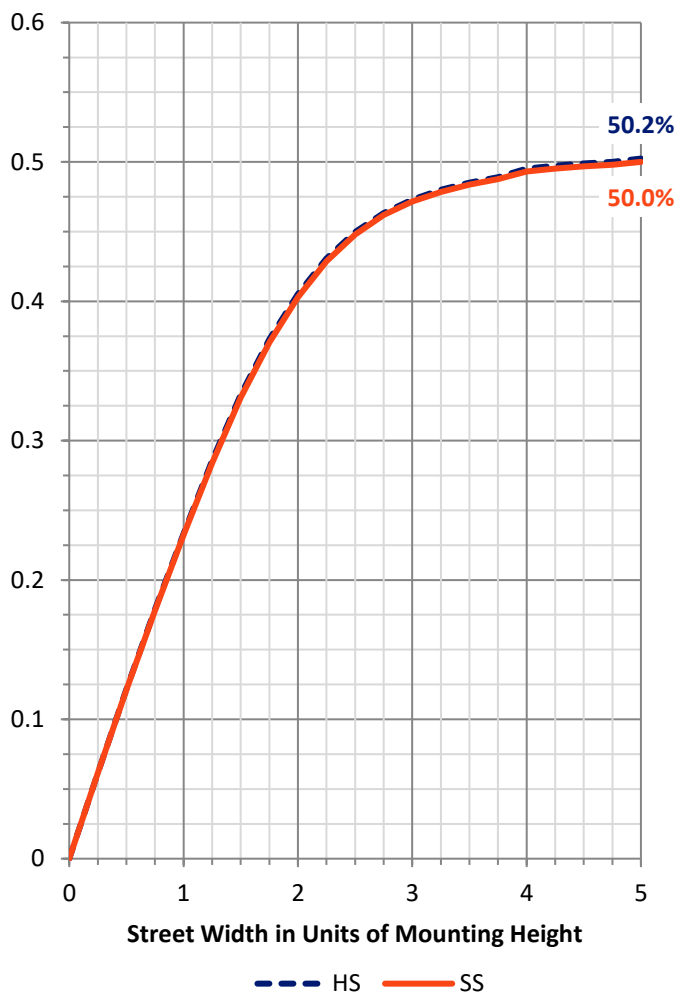
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18768.6	0.0	18768.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18768.6	0.0	18768.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	37537.1	0.0	37537.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	276.4	0.7
10°-20°	820.2	2.2
20°-30°	1471.3	3.9
30°-40°	2485.5	6.6
40°-50°	4367.0	11.6
50°-60°	8424.1	22.4
60°-70°	12222.3	32.6
70°-80°	6993.0	18.6
80°-90°	477.3	1.3
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°	37537.1	100.0
0°-180°	37537.1	100.0

Coefficient of Utilization



REPORT NUMBER: P640661

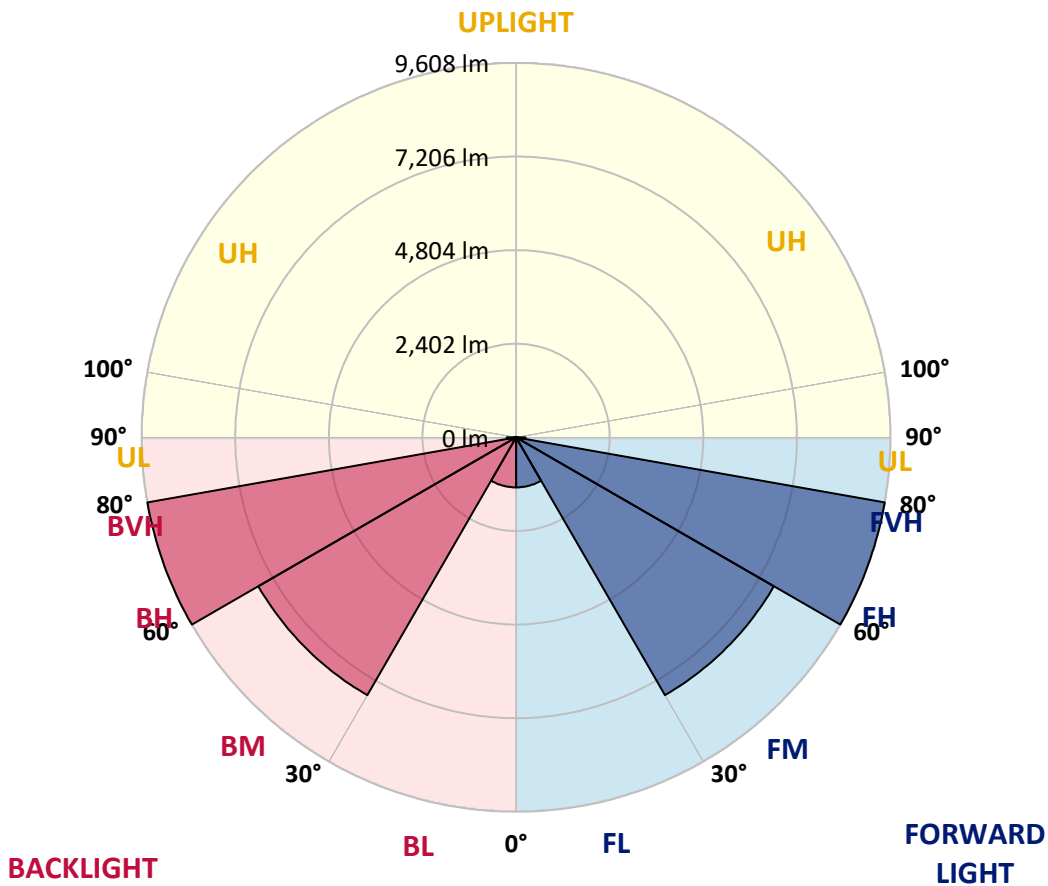
CATALOG NUMBER: GWS-SA5E-735-U-5WQ-W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1284.0	3.4			
FM (30°-60°)	7638.3	20.3			
FH (60°-80°)	9607.6	25.6			G4/12000
FVH (80°-90°)	238.6	0.6			G3/500
BL (0°-30°)	1284.0	3.4	B3/2500		
BM (30°-60°)	7638.3	20.3	B4/8500		
BH (60°-80°)	9607.6	25.6	B5		G4/12000
BVH (80°-90°)	238.6	0.6			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4

Type V Short





REPORT NUMBER: P640661
 CATALOG NUMBER: GWS-SA5E-735-U-5WQ-W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7	2943.7
2.5°	2919.8	2922.4	2927.7	2927.7	2933.1	2941.0	2943.7	2938.4	2941.0	2927.7	2941.0
5°	2911.8	2914.5	2917.1	2911.8	2911.8	2914.5	2914.5	2909.2	2911.8	2898.6	2911.8
7.5°	2893.2	2895.9	2895.9	2887.9	2880.0	2885.3	2885.3	2880.0	2882.6	2869.4	2885.3
10°	2877.3	2877.3	2874.7	2858.7	2850.8	2858.7	2861.4	2864.0	2874.7	2864.0	2882.6
12.5°	2887.9	2887.9	2880.0	2858.7	2845.5	2850.8	2856.1	2861.4	2880.0	2877.3	2898.6
15°	2917.1	2919.8	2898.6	2874.7	2866.7	2874.7	2869.4	2866.7	2890.6	2898.6	2922.4
17.5°	2941.0	2941.0	2914.5	2890.6	2893.2	2906.5	2895.9	2882.6	2906.5	2922.4	2949.0
20°	2962.3	2959.6	2930.4	2914.5	2925.1	2943.7	2935.7	2917.1	2933.1	2951.6	2975.5
22.5°	3015.3	3012.7	2980.8	2972.9	2983.5	3002.1	2994.1	2978.2	2996.8	3023.3	3052.5
25°	3166.6	3161.3	3113.6	3087.0	3081.7	3095.0	3092.3	3087.0	3116.2	3148.1	3182.6
27.5°	3368.4	3365.7	3331.2	3304.7	3270.2	3259.5	3267.5	3291.4	3333.9	3357.8	3387.0
30°	3469.2	3469.2	3463.9	3506.4	3580.7	3652.4	3596.6	3506.4	3469.2	3458.6	3487.8
32.5°	3602.0	3615.2	3596.6	3644.4	3769.2	3875.4	3769.2	3623.2	3596.6	3596.6	3628.5
35°	3907.2	3912.5	3883.3	3875.4	3915.2	3928.4	3878.0	3824.9	3854.1	3859.4	3899.2
37.5°	4151.4	4151.4	4138.1	4159.4	4241.7	4292.1	4209.8	4114.2	4122.2	4127.5	4177.9
40°	4528.3	4538.9	4507.1	4504.4	4536.3	4581.4	4493.8	4432.8	4475.2	4488.5	4565.5
42.5°	4998.1	4998.1	4950.4	4937.1	4958.3	5006.1	4923.8	4884.0	4939.7	4950.4	4995.5
45°	5558.2	5571.5	5507.8	5483.9	5494.5	5510.4	5452.0	5433.5	5486.5	5510.4	5590.1
47.5°	6240.4	6253.7	6197.9	6195.3	6184.6	6195.3	6139.5	6128.9	6171.4	6152.8	6237.7
50°	7081.8	7105.7	7057.9	7124.3	7116.3	7148.2	7071.2	7015.4	7015.4	6965.0	7012.8
52.5°	8024.1	8071.9	8095.8	8207.3	8292.2	8371.8	8244.4	8156.8	8029.4	7925.9	8056.0
55°	9051.3	9038.1	9189.4	9433.6	9683.1	9871.5	9622.0	9346.0	9138.9	8923.9	8974.4
57.5°	9951.2	9996.3	10195.4	10641.3	11135.0	11533.2	11084.6	10553.7	10083.9	9776.0	9818.4
60°	10699.7	10736.8	11002.3	11644.6	12507.3	13056.8	12345.4	11469.4	10787.3	10362.6	10407.7
62.5°	11389.8	11424.3	11692.4	12401.1	13489.4	14206.1	13287.7	12090.6	11331.4	10904.1	10930.6
65°	11788.0	11809.2	12175.5	12921.4	14068.1	14808.6	13773.4	12539.2	11793.3	11358.0	11373.9
67.5°	11063.3	11097.8	11870.3	12900.1	14179.5	14819.2	13794.7	12552.4	11713.6	11145.6	11158.9
70°	8727.5	8698.3	9619.4	11389.8	13539.8	14373.3	13181.5	11610.1	10314.8	9521.2	9507.9
72.5°	6654.5	6662.4	7174.7	8387.7	11039.4	13263.8	11631.4	9348.6	7952.4	7349.9	7326.0
75°	4825.6	4899.9	5316.7	6205.9	7721.5	9914.0	8756.7	6927.9	5993.5	5632.5	5579.4
77.5°	2173.9	2269.5	2850.8	3896.6	5162.7	5478.6	5499.8	4703.5	3548.9	2949.0	2856.1
80°	634.4	679.5	873.3	1494.4	2404.8	3108.2	2468.5	2075.7	1292.7	1014.0	966.2
82.5°	268.1	305.3	374.3	414.1	698.1	1441.3	897.2	570.7	530.9	430.0	392.8
85°	114.1	122.1	156.6	167.2	225.6	307.9	284.0	257.5	246.9	191.1	175.2
87.5°	47.8	47.8	47.8	42.5	39.8	42.5	58.4	74.3	98.2	77.0	71.7
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)