

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: P637298

Luminaire Tested: GWS-SA4C-750-U-5MQ-W-GRSBK

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P637298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-5)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA4C-750-U-5MQ-W-GRSBK
Description: GALLEON WALL SLIM LUMINAIRE. (4) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, BK
Light Source: (64) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 12132.1 lumens
Efficiency: N/A
Efficacy: 94.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

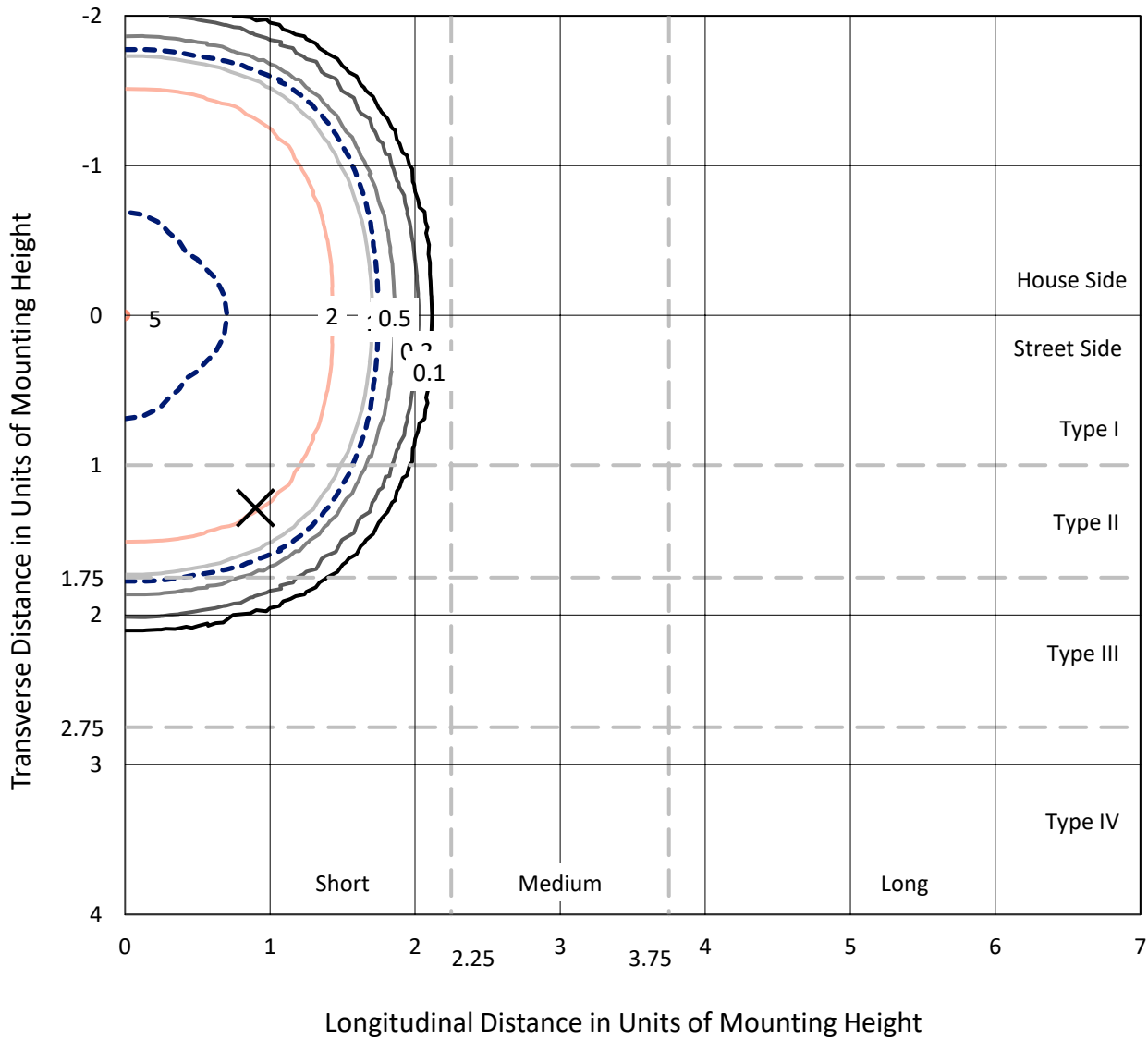
Input Watts (W): 128.5
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P637298
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Iso-Footcandle Lines of Horizontal Illumination

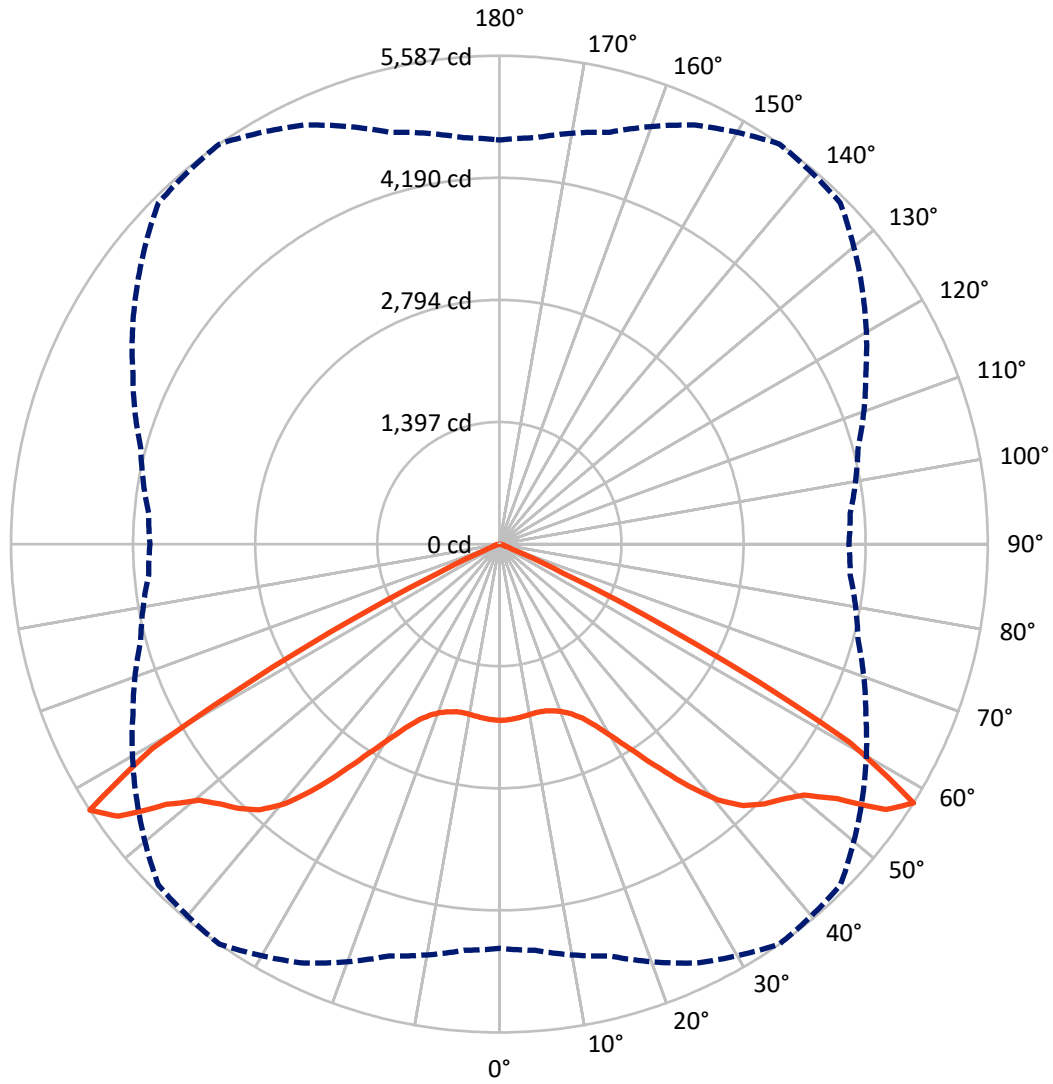
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 5 fc
 Type V - Short - N/A

REPORT NUMBER: P637298
CATALOG NUMBER: GWS-SA4C-750-U-5MQ-W-GRSBK

Luminous Intensity Polar Plot



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

REPORT NUMBER: P637298

CATALOG NUMBER: GWS-SA4C-750-U-5MQ-W-GRSBK

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6066.0	0.0	6066.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6066.0	0.0	6066.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	12132.1	0.0	12132.1
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.0	1.6
10°-20°	559.0	4.6
20°-30°	1010.4	8.3
30°-40°	1885.1	15.5
40°-50°	3162.3	26.1
50°-60°	4176.1	34.4
60°-70°	1109.1	9.1
70°-80°	39.4	0.3
80°-90°	0.7	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°	12132.1	100.0
0°-180°	12132.1	100.0

Coefficient of Utilization



REPORT NUMBER: P637298

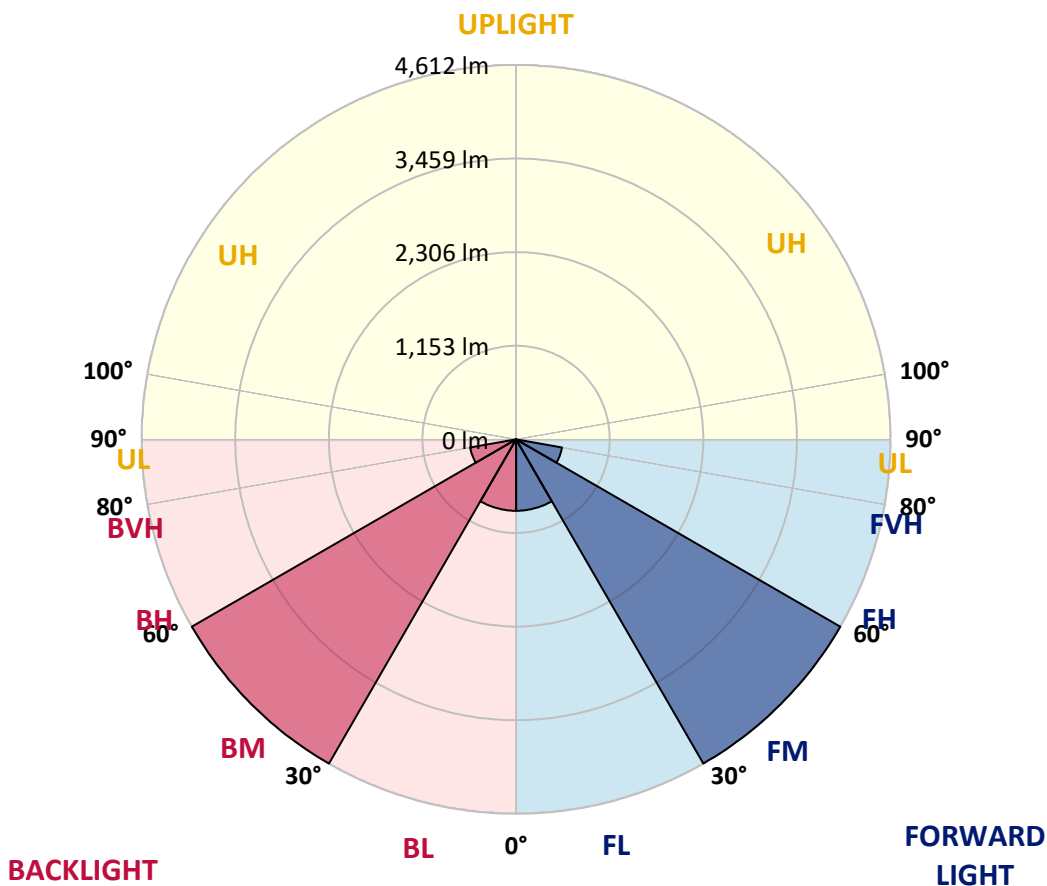
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	879.8	7.3			
FM (30°-60°)	4611.7	38.0			
FH (60°-80°)	574.2	4.7			G0/660
FVH (80°-90°)	0.3	0.0			G0/10
BL (0°-30°)	879.8	7.3	B2/1000		
BM (30°-60°)	4611.7	38.0	B3/5000		
BH (60°-80°)	574.2	4.7	B2/1000		G0/660
BVH (80°-90°)	0.3	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





REPORT NUMBER: P637298

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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1	2017.1
2.5°	2002.8	2001.4	2007.1	2011.4	2011.4	2021.3	2018.5	2015.6	2012.8	2008.5	2018.5
5°	2000.0	1998.6	2002.8	2005.7	2002.8	2011.4	2005.7	2000.0	1997.1	1991.4	2002.8
7.5°	1987.2	1988.6	1991.4	1994.3	1990.0	1997.1	1990.0	1981.5	1974.4	1968.7	1978.6
10°	1967.2	1968.7	1971.5	1977.2	1978.6	1988.6	1978.6	1963.0	1953.0	1944.5	1954.4
12.5°	1957.3	1958.7	1963.0	1970.1	1971.5	1984.3	1971.5	1948.7	1934.5	1924.5	1934.5
15°	1960.1	1963.0	1968.7	1977.2	1980.1	1992.9	1975.8	1945.9	1926.0	1913.2	1921.7
17.5°	1970.1	1972.9	1981.5	1995.7	2005.7	2018.5	1997.1	1958.7	1931.7	1913.2	1921.7
20°	1982.9	1987.2	2001.4	2024.2	2045.5	2068.3	2041.3	1988.6	1953.0	1930.2	1937.4
22.5°	2018.5	2022.8	2042.7	2072.6	2108.2	2136.6	2103.9	2037.0	1988.6	1958.7	1965.8
25°	2091.1	2095.4	2121.0	2159.4	2205.0	2242.0	2200.7	2116.7	2054.1	2019.9	2022.8
27.5°	2205.0	2209.2	2239.1	2293.2	2354.4	2407.1	2347.3	2249.1	2177.9	2138.1	2138.1
30°	2348.7	2354.4	2394.3	2466.9	2562.3	2632.0	2550.9	2431.3	2340.2	2286.1	2287.5
32.5°	2533.8	2528.1	2585.0	2684.7	2819.9	2912.4	2792.9	2647.7	2535.2	2459.8	2466.9
35°	2771.5	2770.1	2834.1	2969.4	3145.9	3256.9	3114.6	2926.7	2791.4	2714.6	2716.0
37.5°	3077.6	3076.1	3150.2	3296.8	3508.9	3601.4	3442.0	3251.2	3106.0	3032.0	3040.6
40°	3436.3	3427.7	3493.2	3634.1	3846.2	3906.0	3732.4	3578.6	3439.1	3392.2	3414.9
42.5°	3777.9	3759.4	3797.8	3926.0	4089.7	4098.2	3967.2	3861.9	3766.5	3729.5	3743.8
45°	4052.6	4038.4	4074.0	4148.0	4242.0	4199.3	4136.6	4103.9	4027.0	3987.2	4000.0
47.5°	4257.6	4257.6	4300.3	4345.9	4360.1	4281.8	4291.8	4291.8	4214.9	4152.3	4136.6
50°	4434.1	4447.0	4511.0	4558.0	4511.0	4411.4	4468.3	4456.9	4300.3	4175.1	4142.3
52.5°	4716.0	4728.8	4827.0	4891.1	4838.4	4740.2	4747.3	4605.0	4374.4	4226.3	4175.1
55°	5014.9	5046.2	5188.6	5359.4	5360.8	5259.8	5071.9	4819.9	4539.5	4378.6	4326.0
57.5°	4623.5	4666.2	4878.3	5289.7	5587.2	5517.4	5069.0	4626.3	4247.7	4028.4	3998.6
60°	3181.5	3255.5	3467.6	4029.9	4603.5	4630.6	4101.0	3604.3	3170.1	2899.6	2905.3
62.5°	1343.8	1419.2	1538.8	2001.4	2528.1	2560.8	2304.6	1948.7	1594.3	1399.3	1429.2
65°	316.0	337.4	373.0	553.7	802.8	839.9	774.4	603.6	445.5	377.2	384.3
67.5°	138.1	140.9	133.8	142.3	176.5	180.8	175.1	153.7	145.2	148.0	148.0
70°	96.8	98.2	92.5	88.3	84.0	78.3	81.1	89.7	96.8	102.5	101.1
72.5°	59.8	61.2	62.6	62.6	58.4	52.7	55.5	61.2	62.6	64.1	62.6
75°	29.9	31.3	34.2	35.6	34.2	32.7	32.7	34.2	34.2	32.7	32.7
77.5°	5.7	7.1	10.0	11.4	11.4	11.4	11.4	11.4	12.8	11.4	11.4
80°	1.4	1.4	2.8	1.4	1.4	1.4	1.4	1.4	1.4	2.8	2.8
82.5°	1.4	1.4	1.4	1.4	0.0	0.0	1.4	1.4	1.4	1.4	1.4
85°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
87.5°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1.4	1.4	1.4
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)