

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: P632899

Luminaire Tested: GWS-SA2D-760-U-5MQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P632899
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-SA2D-760-U-5MQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (2) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (32) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10314.4 lumens
Efficiency: N/A
Efficacy: 125.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

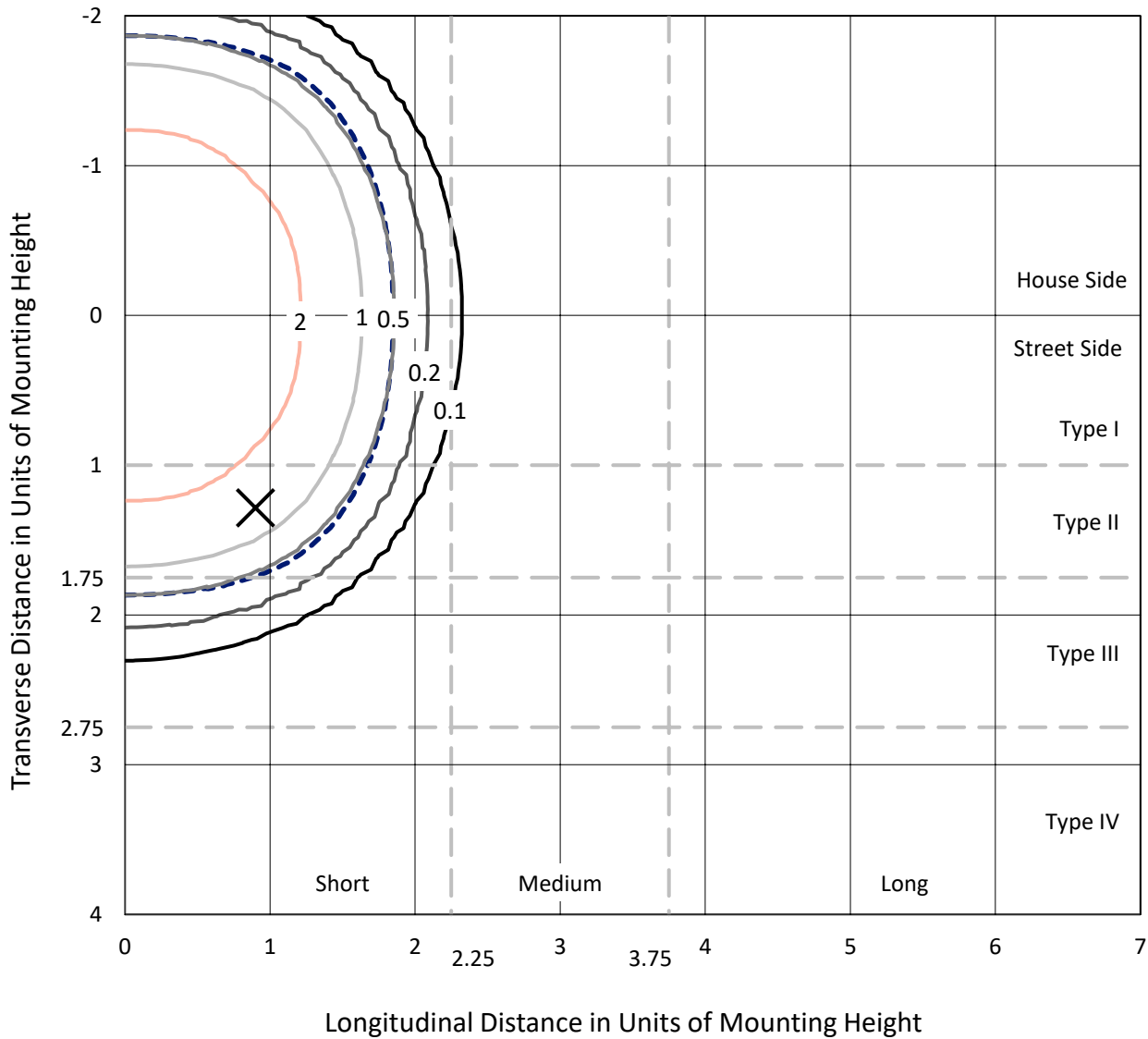
Input Watts (W): 82.1
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P632899
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Iso-Footcandle Lines of Horizontal Illumination

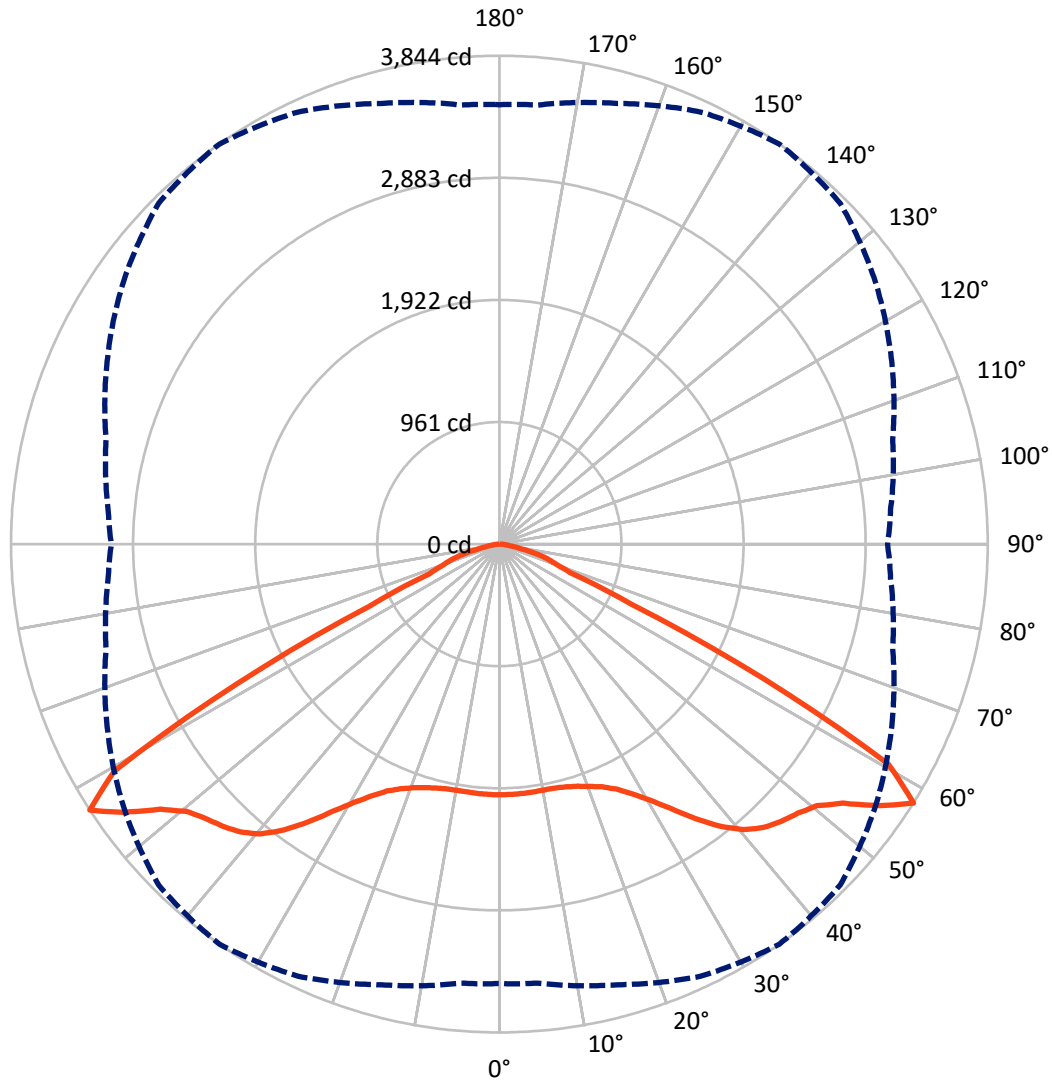
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 4.9 fc
 Type V - Short - N/A

REPORT NUMBER: P632899
CATALOG NUMBER: GWS-SA2D-760-U-5MQ-W-GRSWH

Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5157.2	0.0	5157.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5157.2	0.0	5157.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	10314.4	0.0	10314.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.7	1.8
10°-20°	560.2	5.4
20°-30°	977.4	9.5
30°-40°	1602.6	15.5
40°-50°	2360.3	22.9
50°-60°	3012.2	29.2
60°-70°	1269.5	12.3
70°-80°	303.2	2.9
80°-90°	41.3	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°	10314.4	100.0
0°-180°	10314.4	100.0

Coefficient of Utilization



REPORT NUMBER: P632899

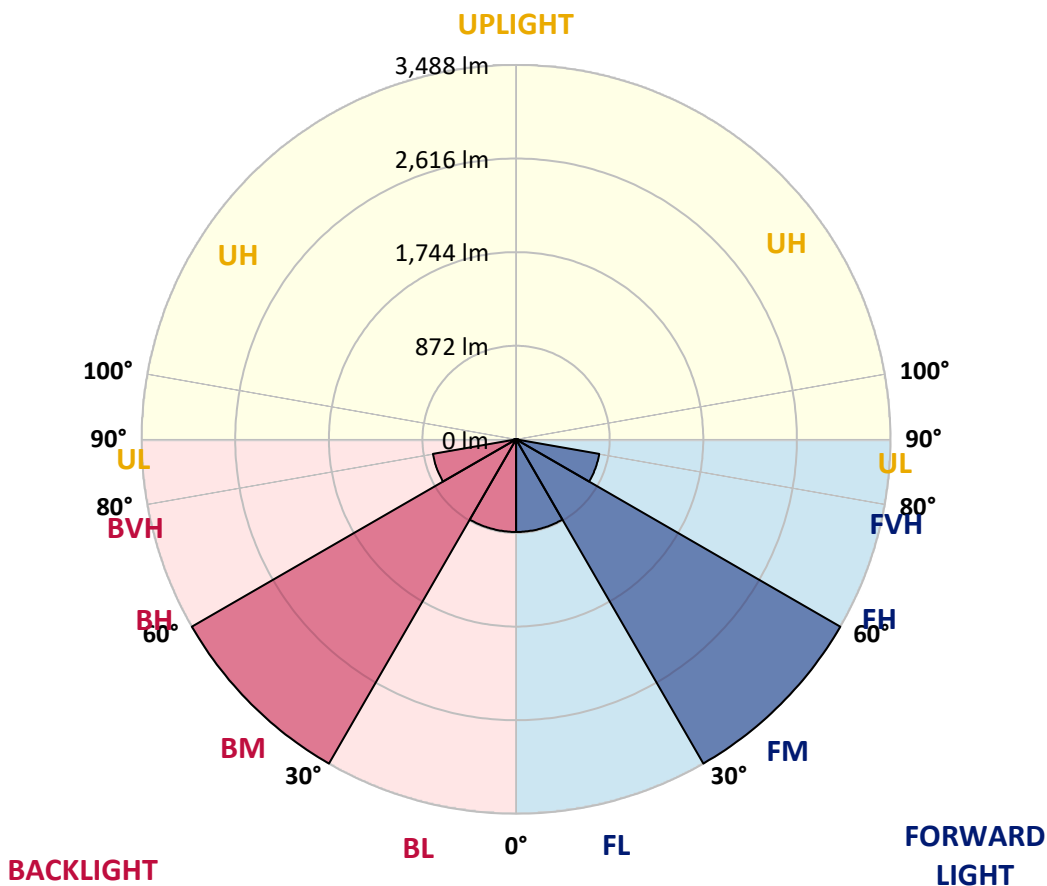
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	862.6	8.4			
FM (30°-60°)	3487.6	33.8			
FH (60°-80°)	786.4	7.6			G1/1800
FVH (80°-90°)	20.6	0.2			G1/100
BL (0°-30°)	862.6	8.4	B2/1000		
BM (30°-60°)	3487.6	33.8	B3/5000		
BH (60°-80°)	786.4	7.6	B2/1000		G1/1800
BVH (80°-90°)	20.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5	1973.5
2.5°	1961.7	1961.7	1965.9	1970.2	1971.9	1979.5	1978.6	1976.1	1974.4	1969.3	1976.1
5°	1965.9	1965.9	1969.3	1971.9	1971.0	1976.9	1974.4	1970.2	1967.6	1962.6	1970.2
7.5°	1965.1	1965.1	1967.6	1970.2	1968.5	1973.5	1969.3	1963.4	1959.2	1954.1	1960.9
10°	1954.1	1955.8	1958.3	1964.3	1966.8	1974.4	1968.5	1959.2	1952.4	1946.5	1953.3
12.5°	1952.4	1954.1	1957.5	1965.1	1969.3	1980.3	1972.7	1957.5	1947.4	1939.8	1946.5
15°	1960.0	1961.7	1966.8	1976.1	1982.8	1994.7	1983.7	1962.6	1948.2	1938.1	1944.0
17.5°	1969.3	1971.9	1979.5	1993.0	2003.9	2016.6	2003.1	1977.8	1957.5	1944.0	1949.1
20°	1979.5	1982.8	1994.7	2014.9	2035.2	2051.2	2034.3	2000.6	1976.1	1958.3	1963.4
22.5°	1997.2	2001.4	2016.6	2045.3	2075.7	2099.4	2078.3	2032.7	2000.6	1977.8	1982.0
25°	2033.5	2038.6	2058.0	2092.6	2135.7	2164.4	2134.8	2083.3	2038.6	2010.7	2014.9
27.5°	2097.7	2100.2	2125.5	2171.1	2224.4	2257.3	2221.8	2161.0	2111.2	2079.1	2082.5
30°	2182.1	2189.7	2215.1	2275.0	2338.4	2382.3	2335.8	2264.0	2206.6	2167.8	2171.1
32.5°	2285.2	2290.2	2328.2	2390.7	2481.9	2532.6	2469.3	2384.0	2314.7	2267.4	2270.8
35°	2420.3	2424.5	2460.8	2540.2	2650.8	2698.1	2625.5	2527.5	2447.3	2402.5	2415.2
37.5°	2581.6	2589.2	2615.3	2693.9	2817.2	2863.6	2780.0	2688.8	2605.2	2563.8	2573.1
40°	2754.7	2753.8	2775.0	2844.2	2956.5	2985.2	2910.1	2837.4	2765.7	2738.6	2753.8
42.5°	2903.3	2899.1	2914.3	2971.7	3049.4	3051.9	3002.1	2961.6	2910.9	2892.3	2906.7
45°	3007.2	3008.9	3031.7	3071.4	3111.1	3089.9	3074.7	3068.0	3028.3	3003.0	3005.5
47.5°	3089.1	3095.9	3132.2	3159.2	3164.3	3128.8	3149.9	3160.0	3127.1	3088.3	3077.3
50°	3161.7	3172.7	3220.0	3248.7	3237.7	3193.0	3234.3	3249.5	3176.9	3102.6	3080.7
52.5°	3293.5	3306.1	3363.6	3400.7	3388.0	3343.3	3382.1	3328.1	3205.6	3114.4	3086.6
55°	3503.7	3509.6	3579.7	3640.5	3634.6	3579.7	3548.5	3428.6	3279.9	3185.4	3159.2
57.5°	3459.0	3469.1	3590.7	3752.9	3844.1	3794.2	3611.0	3406.6	3204.8	3090.8	3055.3
60°	2721.7	2746.2	2897.4	3182.8	3517.2	3516.4	3176.1	2858.6	2615.3	2464.2	2449.0
62.5°	1589.3	1606.2	1743.8	2032.7	2332.4	2351.0	2112.0	1894.2	1681.4	1579.2	1530.2
65°	752.4	751.6	806.5	936.5	1139.2	1155.2	1083.5	964.4	838.6	803.9	794.7
67.5°	555.7	555.7	551.4	560.7	599.6	608.0	599.6	580.2	568.3	575.9	570.9
70°	482.2	483.0	478.0	475.4	475.4	472.9	476.3	483.9	489.0	499.1	494.0
72.5°	391.0	391.8	391.8	392.7	393.5	390.1	395.2	399.4	400.3	403.7	400.3
75°	277.8	279.5	284.6	288.8	292.2	292.2	293.9	294.7	291.3	295.6	288.8
77.5°	152.9	154.5	163.8	171.4	179.0	179.9	182.4	184.1	182.4	185.8	180.7
80°	84.4	86.1	90.4	93.7	99.6	104.7	108.1	109.8	109.8	112.3	109.8
82.5°	48.1	49.8	52.4	54.0	59.1	63.3	66.7	69.2	69.2	70.1	68.4
85°	22.8	22.8	24.5	26.2	28.7	30.4	34.6	37.2	37.2	38.8	37.2
87.5°	3.4	4.2	5.1	5.1	6.8	8.4	10.1	11.0	12.7	13.5	13.5
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)