

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: P635158

Luminaire Tested: GWS-SA3D-730-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P635158
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-7)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA3D-730-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (3) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (48) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16749.5 lumens
Efficiency: N/A
Efficacy: 138.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

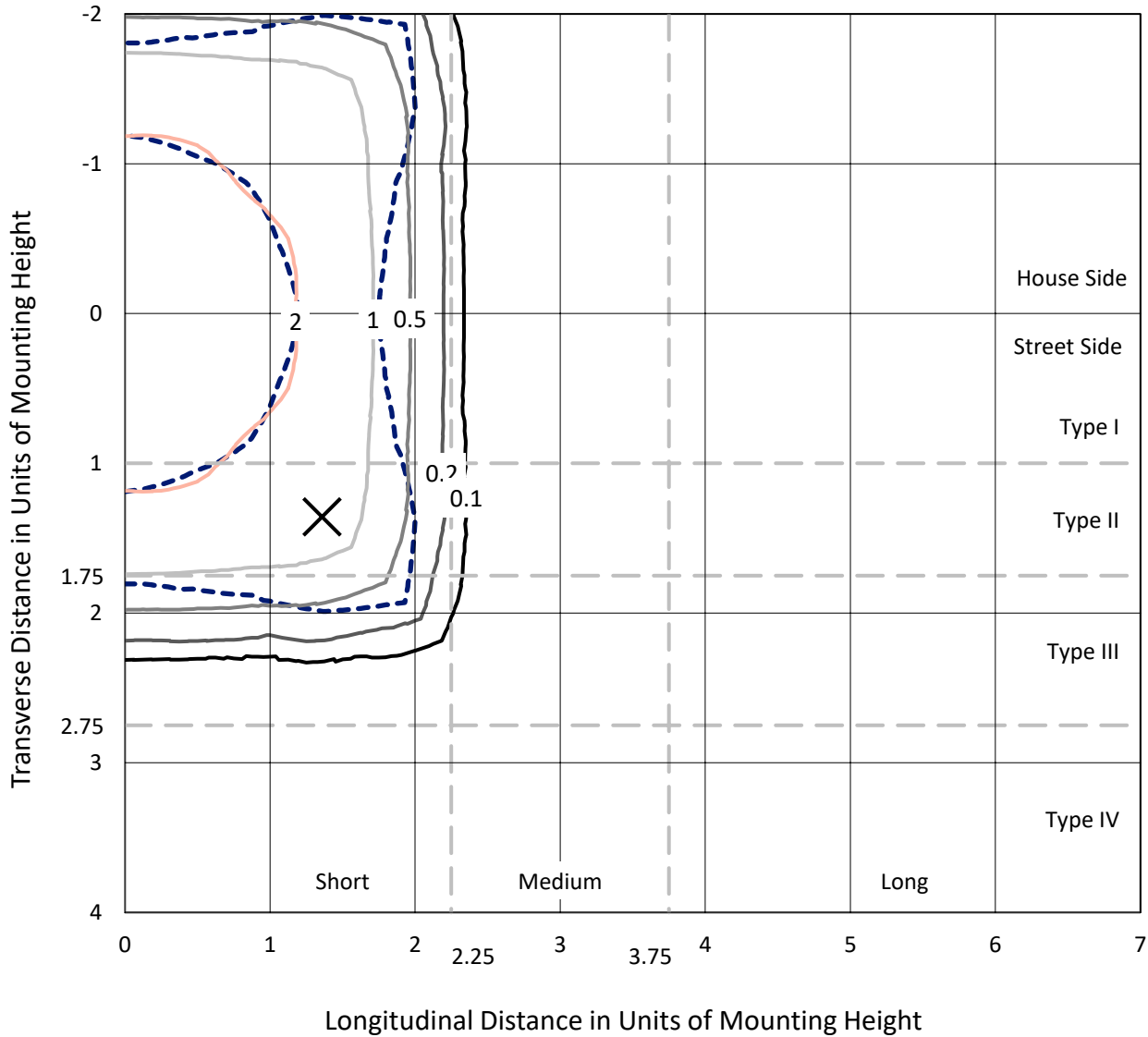
Input Watts (W): 120.8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

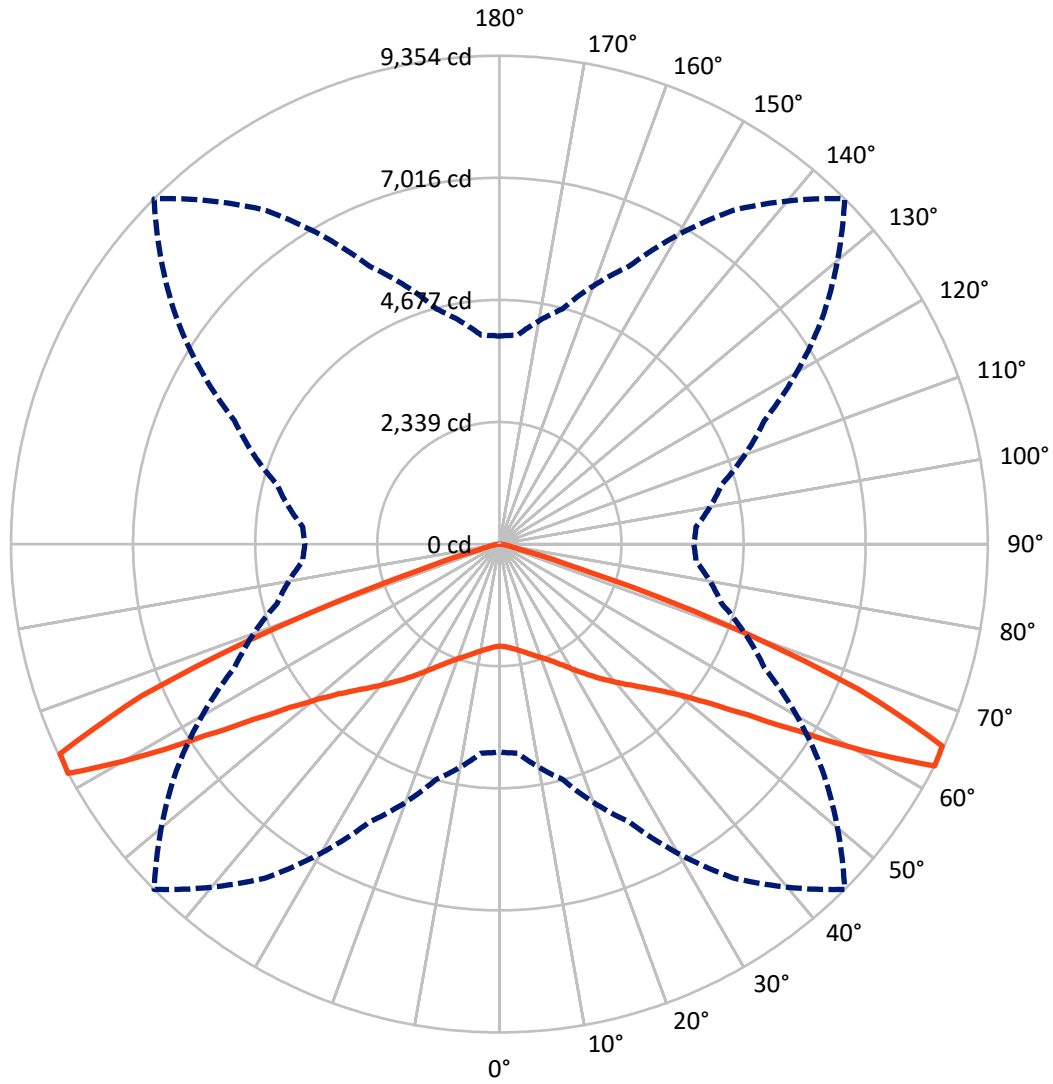
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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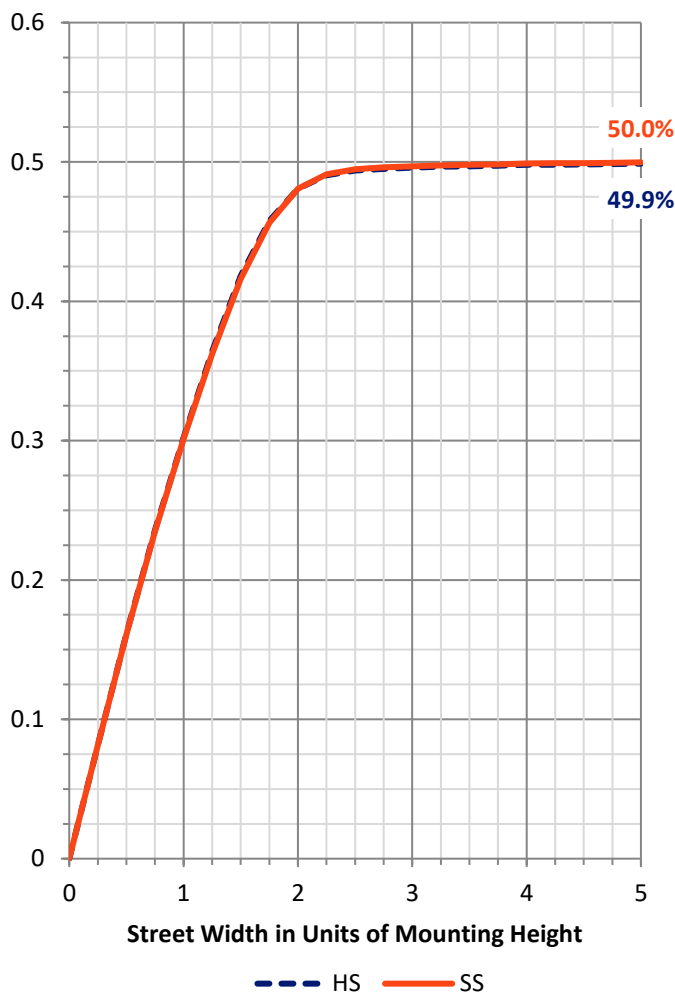
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8374.7	0.0	8374.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	8374.7	0.0	8374.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	16749.5	0.0	16749.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	191.7	1.1
10°-20°	618.3	3.7
20°-30°	1169.7	7.0
30°-40°	1968.7	11.8
40°-50°	3145.5	18.8
50°-60°	5070.3	30.3
60°-70°	4136.8	24.7
70°-80°	401.7	2.4
80°-90°	46.7	0.3
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°	16749.5	100.0
0°-180°	16749.5	100.0

Coefficient of Utilization



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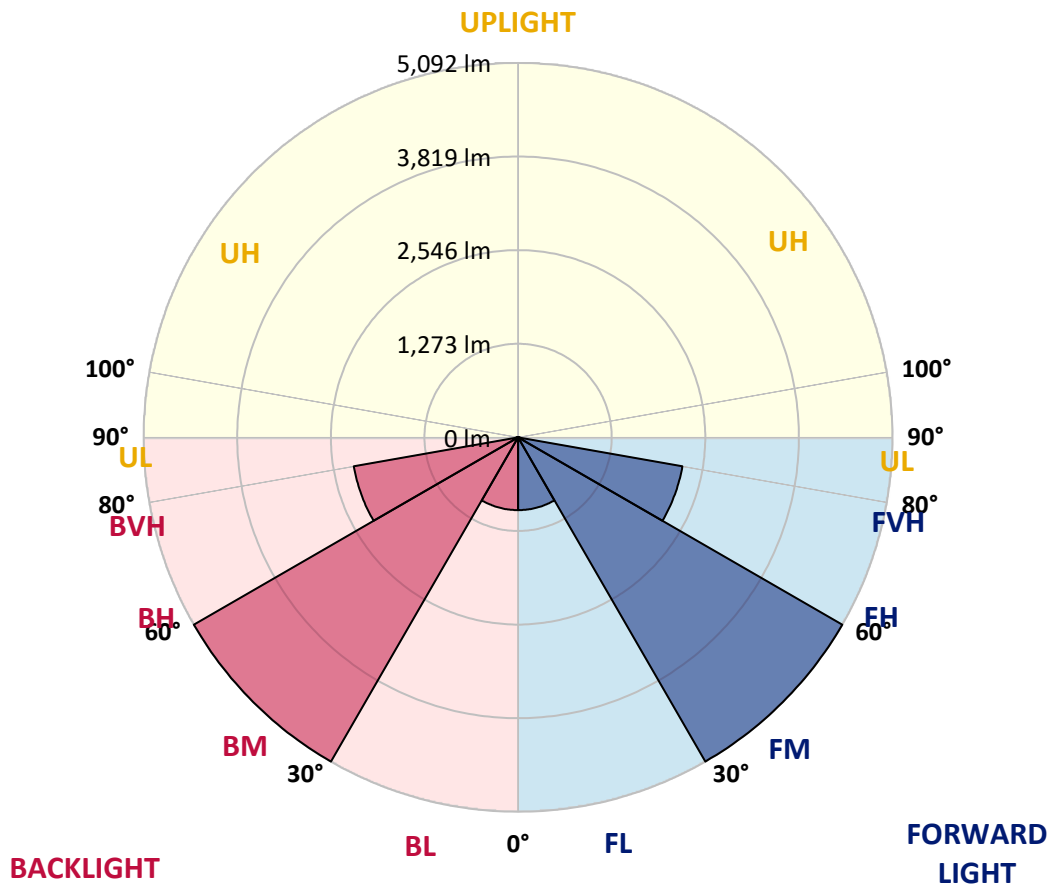
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	989.8	5.9			
FM (30°-60°)	5092.3	30.4			
FH (60°-80°)	2269.3	13.5			G2/5000
FVH (80°-90°)	23.4	0.1			G1/100
BL (0°-30°)	989.8	5.9	B2/1000		
BM (30°-60°)	5092.3	30.4	B4/8500		
BH (60°-80°)	2269.3	13.5	B3/2500		G2/5000
BVH (80°-90°)	23.4	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1	1954.1
2.5°	1951.8	1951.8	1956.4	1959.8	1957.5	1966.7	1965.5	1963.2	1962.1	1958.7	1969.0
5°	1978.2	1978.2	1981.6	1985.1	1979.3	1990.8	1986.2	1983.9	1982.8	1978.2	1987.4
7.5°	2008.0	2011.5	2012.6	2018.4	2014.9	2027.6	2024.1	2019.5	2017.2	2011.5	2019.5
10°	2041.4	2043.7	2044.8	2055.1	2056.3	2071.2	2067.8	2062.0	2057.4	2051.7	2063.2
12.5°	2086.2	2087.3	2090.8	2103.4	2106.8	2118.3	2117.2	2109.1	2103.4	2095.4	2108.0
15°	2143.6	2144.8	2150.5	2163.1	2168.9	2182.7	2178.1	2165.4	2157.4	2148.2	2158.5
17.5°	2203.3	2207.9	2213.7	2226.3	2234.4	2250.4	2244.7	2230.9	2224.0	2214.8	2221.7
20°	2280.3	2281.5	2284.9	2298.7	2304.4	2322.8	2324.0	2310.2	2306.7	2297.5	2307.9
22.5°	2365.3	2366.5	2369.9	2384.8	2395.2	2406.7	2413.6	2405.5	2399.8	2388.3	2400.9
25°	2459.5	2471.0	2474.4	2492.8	2504.3	2511.2	2519.2	2515.8	2507.8	2494.0	2499.7
27.5°	2591.6	2593.9	2599.7	2620.3	2627.2	2634.1	2642.2	2643.3	2631.8	2615.7	2623.8
30°	2742.1	2741.0	2753.6	2769.7	2775.4	2781.2	2792.7	2799.5	2784.6	2767.4	2775.4
32.5°	2896.0	2909.8	2925.9	2940.8	2937.4	2939.7	2958.1	2970.7	2950.0	2919.0	2925.9
35°	3069.5	3078.7	3099.4	3121.2	3116.6	3113.2	3124.7	3137.3	3108.6	3068.4	3078.7
37.5°	3247.6	3261.4	3292.4	3318.8	3311.9	3295.8	3308.5	3322.2	3294.7	3248.7	3244.1
40°	3446.3	3468.1	3512.9	3534.8	3516.4	3485.4	3507.2	3540.5	3512.9	3460.1	3447.5
42.5°	3679.5	3705.9	3750.7	3784.0	3743.8	3693.3	3730.1	3778.3	3771.4	3701.3	3679.5
45°	3967.8	3985.1	4040.2	4056.3	3996.6	3926.5	3993.1	4066.6	4049.4	3973.6	3944.9
47.5°	4281.5	4307.9	4356.1	4386.0	4289.5	4202.2	4295.2	4394.0	4375.7	4304.4	4271.1
50°	4681.2	4715.7	4778.9	4804.1	4670.9	4570.9	4690.4	4815.6	4780.0	4684.7	4641.0
52.5°	5116.6	5144.2	5252.2	5302.7	5177.5	5069.5	5174.1	5297.0	5221.2	5094.8	5036.2
55°	5500.3	5527.9	5686.4	5854.1	5848.4	5773.7	5826.6	5828.9	5623.2	5414.1	5352.1
57.5°	5583.0	5610.6	5912.7	6351.5	6661.7	6747.9	6592.8	6266.5	5748.4	5382.0	5311.9
60°	5141.9	5172.9	5653.1	6454.9	7475.0	8050.6	7336.0	6257.3	5361.3	4865.0	4798.4
62.5°	3983.9	4017.2	4662.9	5866.8	7803.6	9354.4	7552.0	5599.1	4410.1	3781.7	3723.2
65°	1902.4	1902.4	2722.6	4207.9	7148.8	9323.4	6927.1	4142.5	2654.8	2039.1	1988.5
67.5°	471.0	473.3	700.7	1638.1	4862.7	7440.6	4942.0	1988.5	935.1	661.7	644.5
70°	294.1	292.9	325.1	443.4	1701.3	4515.8	2020.7	599.7	380.2	335.4	333.1
72.5°	228.6	228.6	244.7	283.7	445.7	1538.2	589.3	333.1	275.7	248.1	248.1
75°	180.4	180.4	191.8	212.5	263.1	396.3	313.6	247.0	213.7	195.3	193.0
77.5°	134.4	136.7	145.9	159.7	179.2	222.9	198.7	186.1	166.6	152.8	148.2
80°	87.3	90.8	102.2	110.3	117.2	147.0	129.8	135.6	126.4	110.3	108.0
82.5°	47.1	48.2	62.0	64.3	66.6	80.4	82.7	86.2	89.6	70.1	65.5
85°	17.2	17.2	20.7	24.1	26.4	28.7	39.1	48.2	50.5	40.2	39.1
87.5°	3.4	3.4	3.4	2.3	2.3	2.3	6.9	12.6	20.7	16.1	16.1
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)