

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: P640110

Luminaire Tested: GWS-SA5D-730-U-5WQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640110
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-3)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA5D-730-U-5WQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (80) 3000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 23103.2 lumens
Efficiency: N/A
Efficacy: 112.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

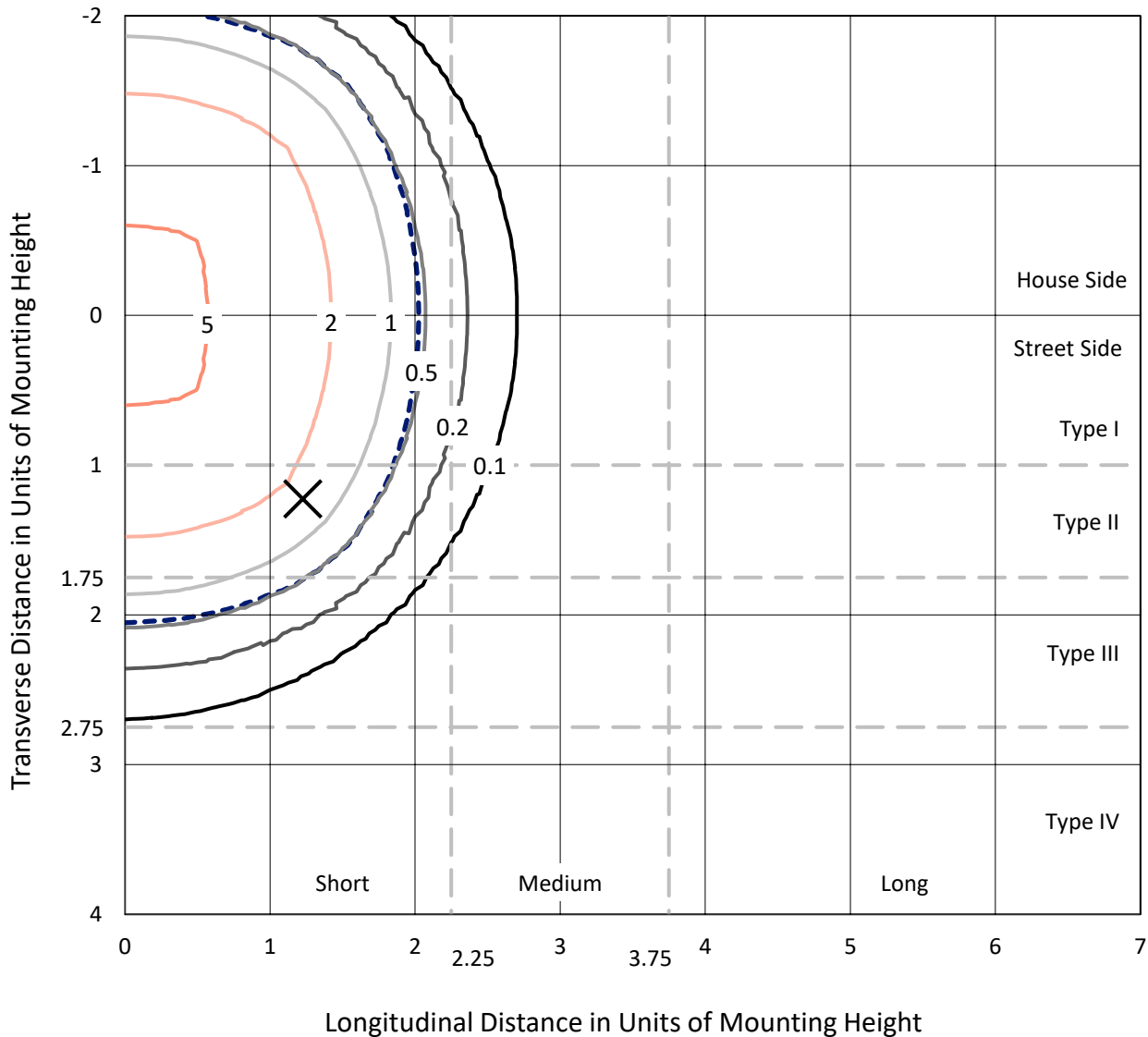
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

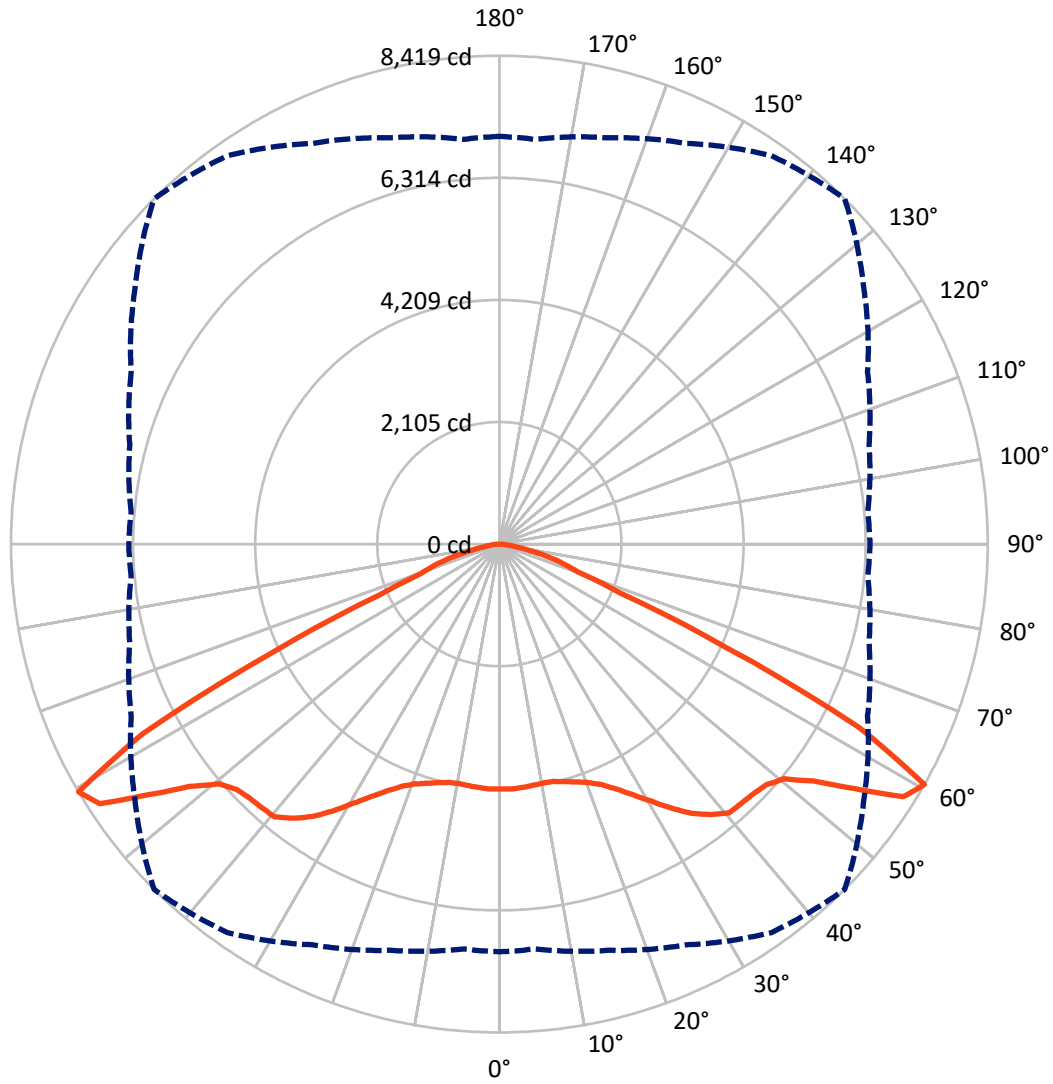
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 60-Deg Vertical

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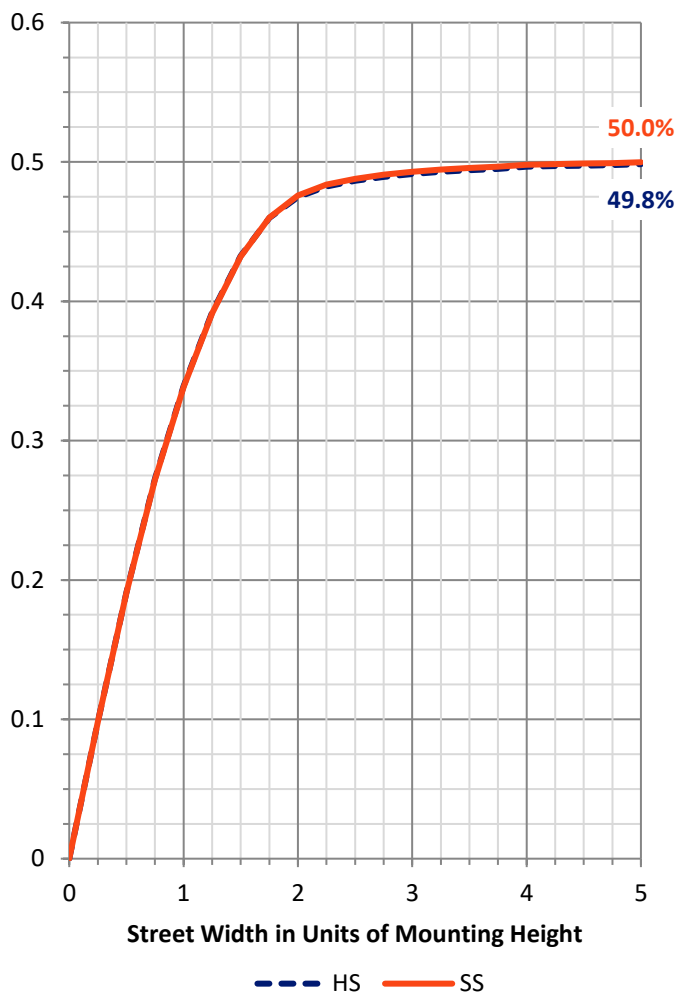
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	11551.6	0.0	11551.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	11551.6	0.0	11551.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	23103.2	0.0	23103.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	400.4	1.7
10°-20°	1204.4	5.2
20°-30°	2130.7	9.2
30°-40°	3430.5	14.8
40°-50°	4715.1	20.4
50°-60°	6283.4	27.2
60°-70°	3916.1	17.0
70°-80°	900.5	3.9
80°-90°	122.2	0.5
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°	23103.2	100.0
0°-180°	23103.2	100.0

Coefficient of Utilization



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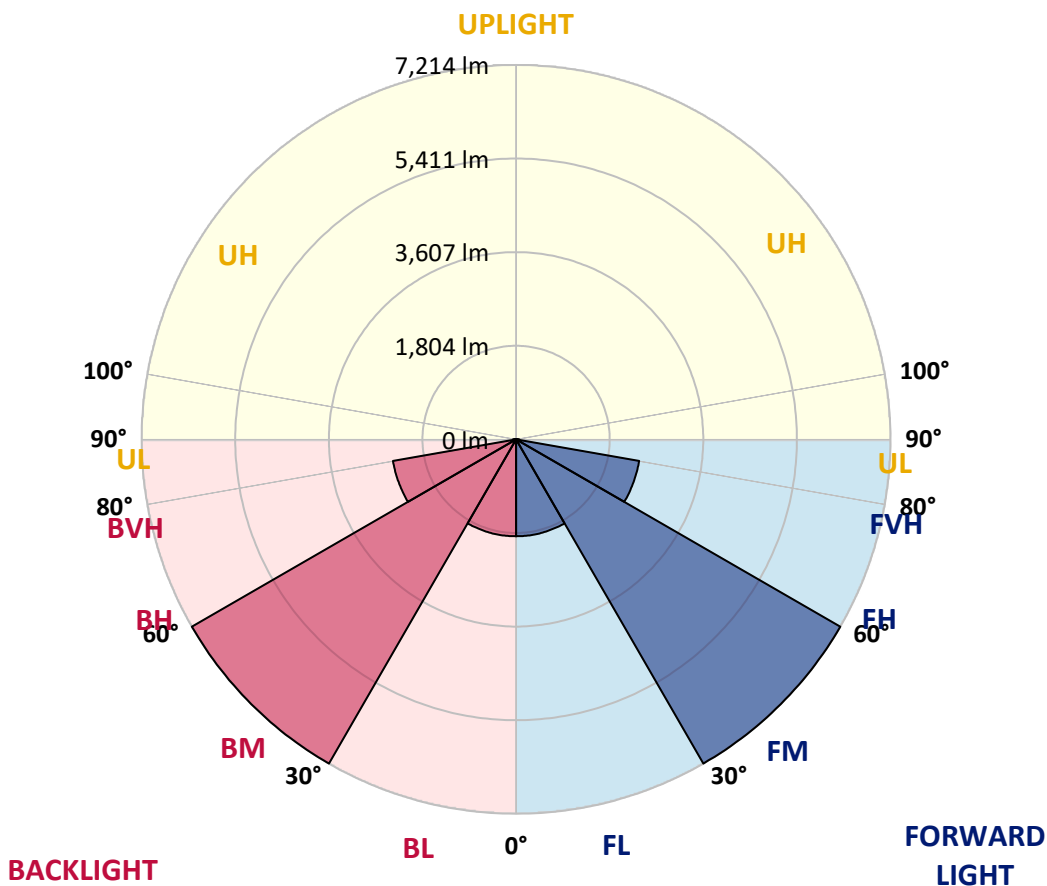
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1867.7	8.1			
FM (30°-60°)	7214.5	31.2			
FH (60°-80°)	2408.3	10.4			G2/5000
FVH (80°-90°)	61.1	0.3			G1/100
BL (0°-30°)	1867.7	8.1	B3/2500		
BM (30°-60°)	7214.5	31.2	B4/8500		
BH (60°-80°)	2408.3	10.4	B3/2500		G2/5000
BVH (80°-90°)	61.1	0.3			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°	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1	4222.1
2.5°	4192.7	4196.6	4204.4	4210.3	4218.2	4226.0	4229.9	4222.1	4218.2	4202.5	4220.1
5°	4196.6	4200.5	4206.4	4206.4	4208.3	4214.2	4214.2	4204.4	4194.6	4177.0	4196.6
7.5°	4190.7	4194.6	4196.6	4194.6	4196.6	4198.5	4194.6	4182.9	4173.1	4157.4	4173.1
10°	4180.9	4184.8	4188.7	4184.8	4180.9	4186.8	4186.8	4178.9	4173.1	4157.4	4175.0
12.5°	4202.5	4208.3	4210.3	4200.5	4196.6	4198.5	4198.5	4190.7	4190.7	4177.0	4196.6
15°	4253.5	4257.4	4251.5	4239.7	4241.7	4247.6	4233.8	4214.2	4210.3	4204.4	4220.1
17.5°	4292.7	4296.6	4290.7	4282.9	4296.6	4310.3	4284.8	4247.6	4235.8	4231.9	4249.5
20°	4335.8	4341.7	4333.9	4343.7	4371.1	4386.8	4355.4	4304.4	4280.9	4275.0	4296.6
22.5°	4406.4	4414.3	4414.3	4435.8	4477.0	4502.5	4463.3	4394.6	4359.3	4349.5	4371.1
25°	4518.2	4524.1	4530.0	4573.1	4639.8	4675.1	4612.3	4518.2	4469.2	4453.5	4465.2
27.5°	4673.1	4682.9	4692.7	4755.5	4837.8	4888.8	4798.6	4681.0	4620.2	4588.8	4612.3
30°	4857.4	4871.2	4894.7	4965.3	5081.0	5137.9	5022.2	4879.0	4810.4	4777.0	4808.4
32.5°	5108.5	5110.4	5128.1	5206.5	5359.5	5424.2	5279.1	5120.2	5049.6	5010.4	5028.1
35°	5406.5	5408.5	5381.0	5461.4	5626.2	5698.7	5528.1	5367.3	5308.5	5296.7	5341.8
37.5°	5712.5	5694.8	5667.3	5702.6	5869.3	5916.4	5736.0	5598.7	5573.2	5594.8	5661.5
40°	5930.1	5900.7	5845.8	5871.3	6039.9	6094.9	5902.7	5773.2	5765.4	5818.3	5898.7
42.5°	6071.3	6039.9	5975.2	5975.2	6090.9	6114.5	5965.4	5896.8	5914.4	5975.2	6051.7
45°	6140.0	6122.3	6085.0	6065.4	6130.1	6140.0	6026.2	5998.8	6032.1	6061.5	6120.3
47.5°	6192.9	6192.9	6181.1	6161.5	6190.9	6196.8	6112.5	6104.7	6147.8	6147.8	6187.0
50°	6287.0	6296.8	6312.5	6308.6	6340.0	6359.6	6296.8	6285.1	6302.7	6245.8	6265.5
52.5°	6534.1	6559.6	6604.7	6640.0	6720.4	6781.2	6669.4	6575.3	6483.1	6357.6	6361.5
55°	6977.3	6989.1	7077.3	7181.3	7316.6	7440.1	7210.7	6918.5	6718.5	6571.4	6573.3
57.5°	7351.9	7369.5	7498.9	7716.6	8020.6	8212.8	7704.8	7216.6	6934.2	6753.8	6759.6
60°	7028.3	7004.8	7249.9	7622.5	8173.5	8418.7	7669.6	7002.8	6596.9	6373.3	6389.0
62.5°	5437.9	5392.8	5665.4	6055.6	6716.5	6961.6	6271.3	5632.1	5247.7	5073.2	5047.7
65°	3310.2	3269.0	3465.1	3704.4	4151.5	4306.4	3990.7	3651.4	3316.1	3210.2	3180.8
67.5°	1802.2	1796.3	1849.2	1966.9	2163.0	2235.6	2174.8	2014.0	1927.7	1853.2	1853.2
70°	1429.6	1417.8	1408.0	1410.0	1427.6	1437.4	1439.4	1431.5	1441.3	1443.3	1435.5
72.5°	1184.5	1180.5	1160.9	1162.9	1155.0	1151.1	1164.8	1172.7	1188.4	1190.3	1190.3
75°	858.9	849.1	858.9	860.9	853.0	853.0	862.8	860.9	868.7	872.7	851.1
77.5°	488.3	488.3	502.0	517.7	529.5	529.5	539.3	539.3	549.1	547.1	543.2
80°	268.7	268.7	276.5	286.3	298.1	309.8	319.6	321.6	327.5	325.5	319.6
82.5°	153.0	154.9	158.8	164.7	176.5	186.3	196.1	198.1	203.9	203.9	198.1
85°	72.6	70.6	72.6	76.5	82.4	90.2	100.0	105.9	109.8	109.8	105.9
87.5°	13.7	15.7	13.7	15.7	17.6	23.5	27.5	31.4	37.3	39.2	35.3
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)