

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: P642747

Luminaire Tested: GWS-SA6D-750-U-5NQ-W-GRSWH

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642747
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-9)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS W/ FACTORY INSTALLED GLARE SHIELD, WH
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 33218.5 lumens
Efficiency: N/A
Efficacy: 135.2 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

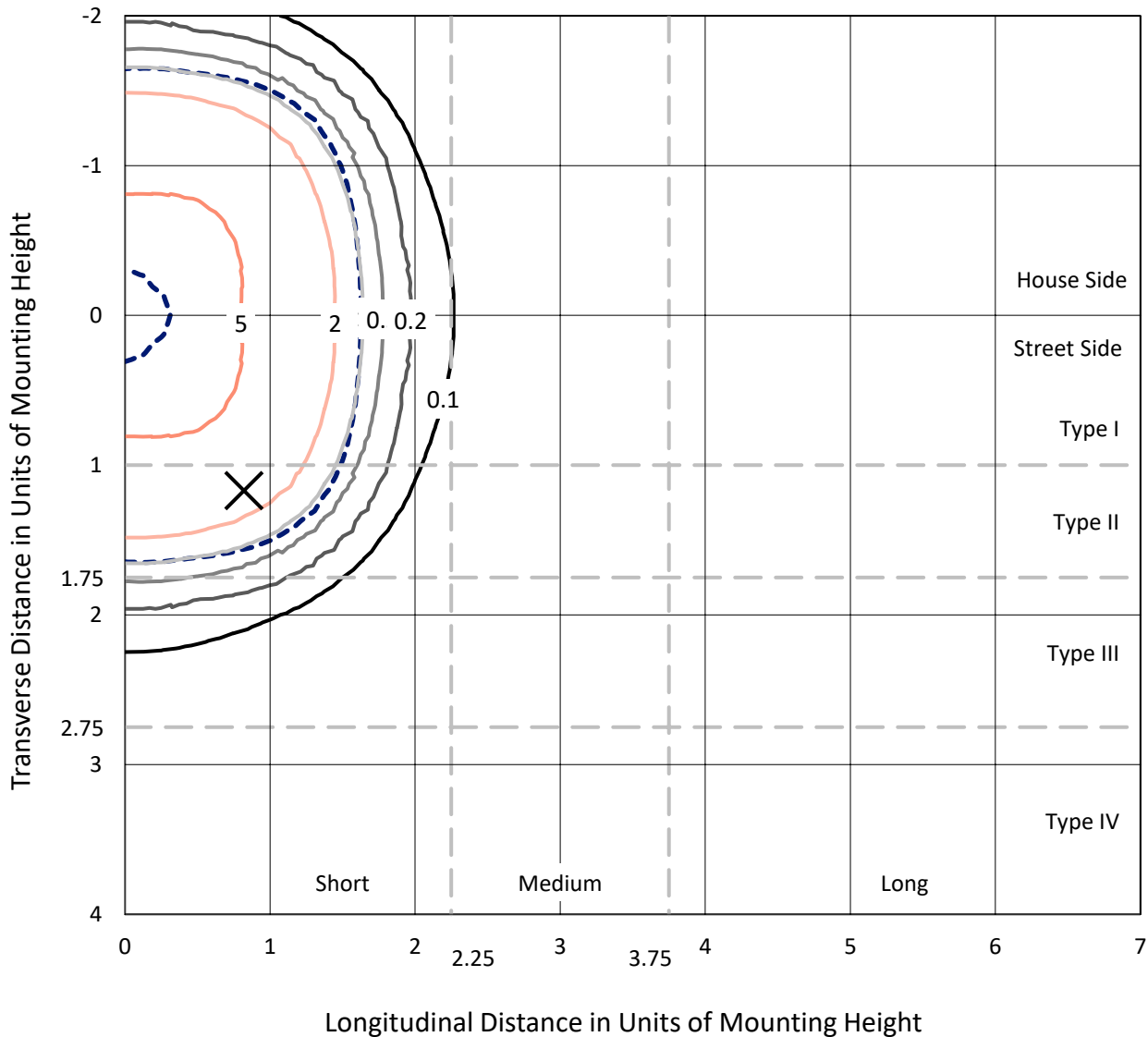
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

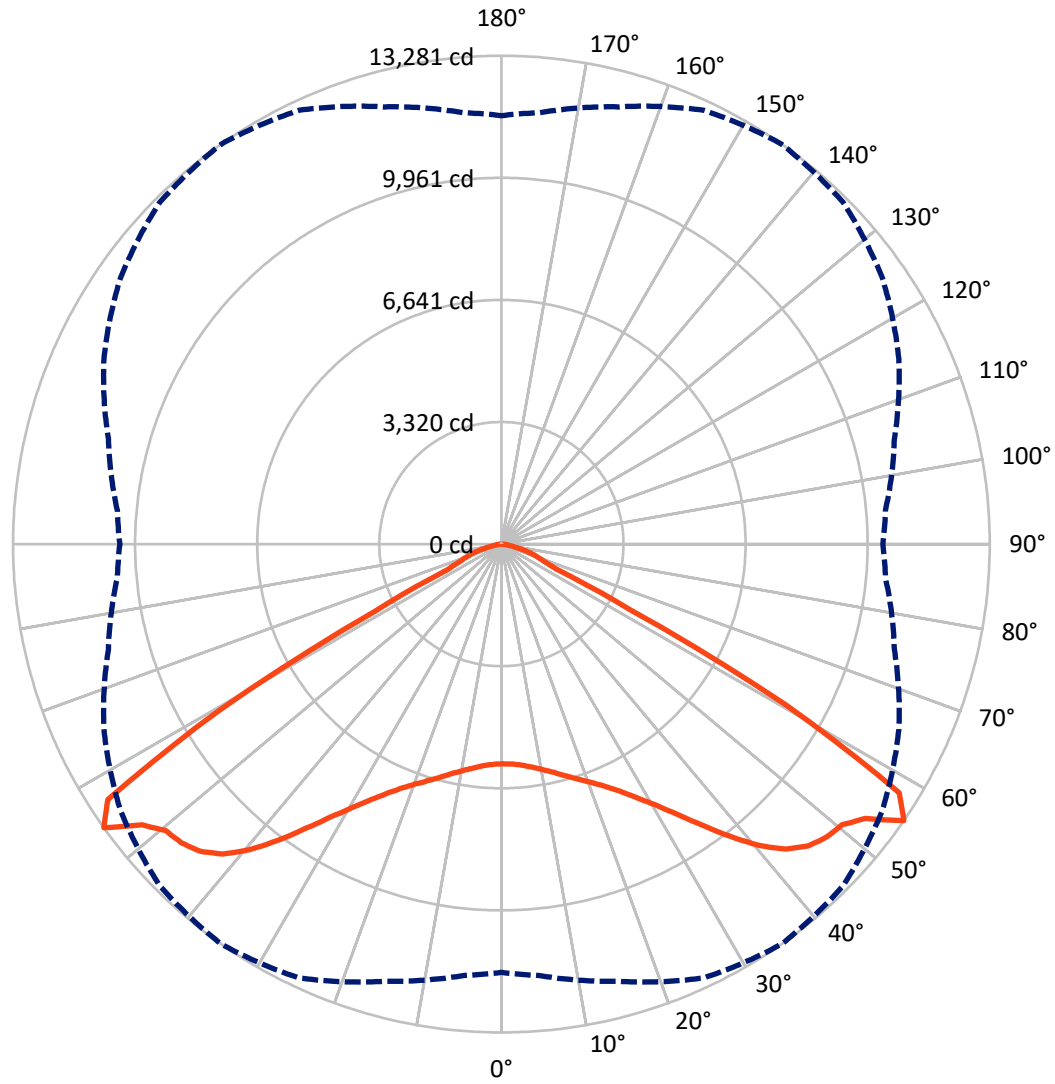
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 6.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 35-Deg Lateral - - - Horizontal Cone Through 55-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	16609.2	0.0	16609.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	16609.2	0.0	16609.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	33218.5	0.0	33218.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	582.9	1.8
10°-20°	1855.8	5.6
20°-30°	3434.7	10.3
30°-40°	5745.6	17.3
40°-50°	8755.3	26.4
50°-60°	9807.8	29.5
60°-70°	2320.6	7.0
70°-80°	625.6	1.9
80°-90°	90.0	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°	33218.5	100.0
0°-180°	33218.5	100.0

Coefficient of Utilization



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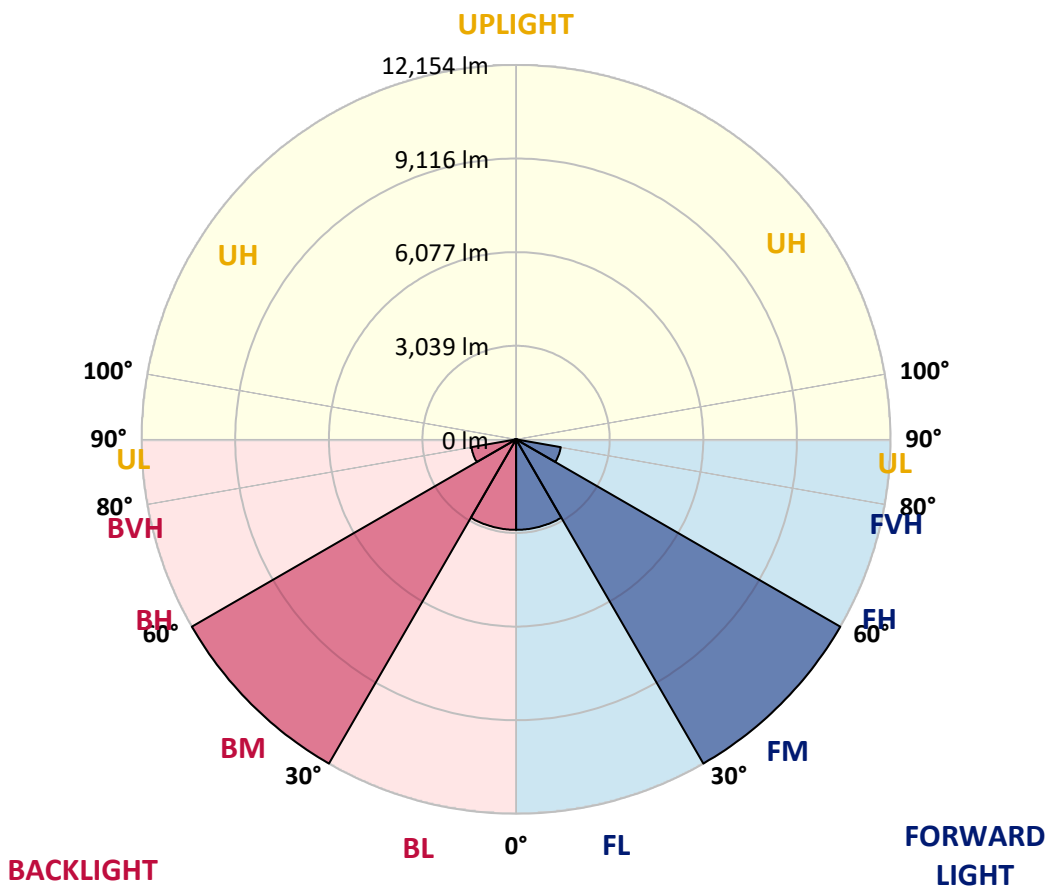
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2936.7	8.8			
FM (30°-60°)	12154.4	36.6			
FH (60°-80°)	1473.1	4.4			G1/1800
FVH (80°-90°)	45.0	0.1			G1/100
BL (0°-30°)	2936.7	8.8	B4/5000		
BM (30°-60°)	12154.4	36.6	B5		
BH (60°-80°)	1473.1	4.4	B3/2500		G1/1800
BVH (80°-90°)	45.0	0.1			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1	5976.1
2.5°	5963.0	5963.0	5973.5	5986.6	5989.2	6015.5	6010.2	5999.7	5994.5	5984.0	6007.6
5°	6028.6	6031.3	6039.1	6047.0	6041.8	6062.8	6054.9	6041.8	6033.9	6020.8	6044.4
7.5°	6115.3	6115.3	6123.2	6133.7	6128.5	6160.0	6144.2	6125.8	6112.7	6096.9	6117.9
10°	6194.1	6199.4	6207.3	6228.3	6238.8	6272.9	6262.4	6236.2	6215.1	6196.8	6220.4
12.5°	6312.3	6317.6	6325.5	6354.4	6372.8	6406.9	6391.1	6354.4	6322.8	6296.6	6322.8
15°	6464.7	6459.4	6480.5	6517.2	6540.9	6572.4	6554.0	6491.0	6448.9	6414.8	6441.1
17.5°	6619.7	6617.1	6638.1	6685.3	6719.5	6761.5	6730.0	6656.5	6611.8	6569.8	6596.0
20°	6787.8	6795.7	6816.7	6861.3	6911.3	6966.4	6940.2	6861.3	6811.4	6764.2	6785.2
22.5°	6995.3	6997.9	7021.6	7079.4	7145.0	7197.6	7181.8	7084.6	7021.6	6971.7	6997.9
25°	7244.9	7242.2	7273.8	7342.1	7434.0	7486.5	7452.4	7344.7	7276.4	7218.6	7239.6
27.5°	7531.2	7528.6	7575.9	7665.2	7796.5	7870.1	7799.1	7665.2	7570.6	7489.2	7507.6
30°	7891.1	7883.2	7935.7	8056.6	8227.3	8350.8	8245.7	8059.2	7935.7	7849.0	7867.4
32.5°	8290.4	8300.9	8366.5	8529.4	8744.8	8905.0	8747.4	8539.9	8374.4	8248.3	8269.3
35°	8729.0	8729.0	8863.0	9065.3	9372.6	9585.4	9341.1	9041.6	8821.0	8647.6	8652.9
37.5°	9217.6	9222.9	9398.9	9677.3	10079.2	10328.8	9997.8	9627.4	9359.5	9173.0	9162.5
40°	9813.9	9829.7	10010.9	10320.9	10772.7	11001.3	10646.6	10284.1	10010.9	9790.3	9769.3
42.5°	10486.4	10491.7	10683.4	10961.9	11342.8	11479.4	11200.9	10904.1	10680.8	10481.2	10460.1
45°	11127.4	11114.2	11279.7	11487.2	11707.9	11721.0	11566.0	11445.2	11250.8	11080.1	11048.6
47.5°	11626.5	11616.0	11765.7	11878.6	11904.9	11776.2	11826.1	11844.5	11618.6	11387.4	11327.0
50°	11931.2	11952.2	12094.0	12157.1	12002.1	11792.0	11981.1	11933.8	11610.7	11308.6	11211.4
52.5°	12115.1	12146.6	12393.5	12553.7	12393.5	12193.9	12220.1	11941.7	11476.7	11077.5	10951.4
55°	11650.1	11776.2	12309.4	13018.7	13281.4	13142.2	12643.1	11925.9	11064.3	10483.8	10376.1
57.5°	8634.5	8834.1	9624.8	11161.5	12758.6	13265.6	11807.7	9997.8	8692.3	7946.2	7883.2
60°	4407.9	4631.1	5264.2	6843.0	8897.2	9611.7	8224.7	6401.6	5088.2	4484.0	4415.7
62.5°	1799.4	1836.2	2043.7	2653.1	3932.4	4536.6	3984.9	2797.6	2101.5	1936.0	1938.6
65°	1415.9	1423.8	1413.2	1450.0	1647.0	1828.3	1689.1	1484.2	1447.4	1465.8	1452.7
67.5°	1234.6	1237.2	1229.4	1229.4	1237.2	1229.4	1245.1	1253.0	1258.3	1279.3	1266.1
70°	1032.4	1035.0	1035.0	1040.2	1037.6	1024.5	1048.1	1058.6	1061.2	1074.4	1066.5
72.5°	798.6	806.4	811.7	814.3	811.7	803.8	817.0	835.3	832.7	845.8	832.7
75°	541.1	551.6	556.9	567.4	564.8	564.8	580.5	588.4	580.5	591.0	580.5
77.5°	307.3	315.2	331.0	341.5	352.0	359.9	370.4	375.6	373.0	378.3	373.0
80°	178.6	181.3	194.4	199.6	212.8	225.9	236.4	241.7	244.3	246.9	244.3
82.5°	102.4	105.1	110.3	115.6	126.1	136.6	147.1	155.0	155.0	157.6	155.0
85°	49.9	49.9	52.5	55.2	60.4	68.3	76.2	84.1	86.7	86.7	86.7
87.5°	7.9	7.9	10.5	10.5	13.1	15.8	21.0	26.3	28.9	28.9	28.9
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)