

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: P642745

Luminaire Tested: GWS-SA6D-750-U-5MQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P642745
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2209-782-4)
Test Lab: COOPER LIGHTING SOLUTIONS
Issue Date: 1/10/2023
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: McGRAW-EDISON
Catalog Number: GWS-SA6D-750-U-5MQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (6) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V MEDIUM OPTICS
Light Source: (96) 5000K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37946.7 lumens
Efficiency: N/A
Efficacy: 154.4 lumens/watt
Luminous Opening: Rectangular (W 2' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G4

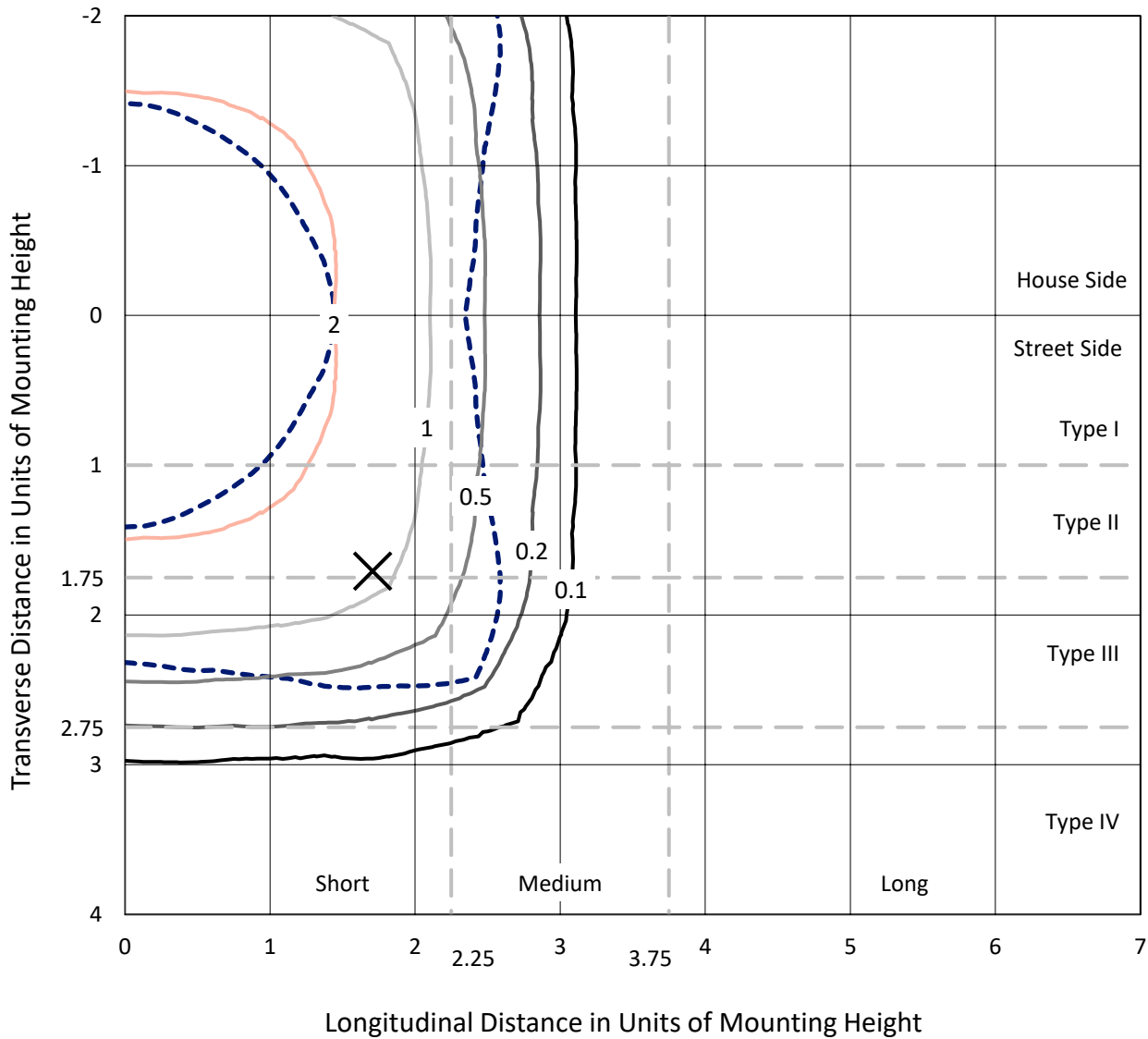
Input Watts (W): 245.7
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

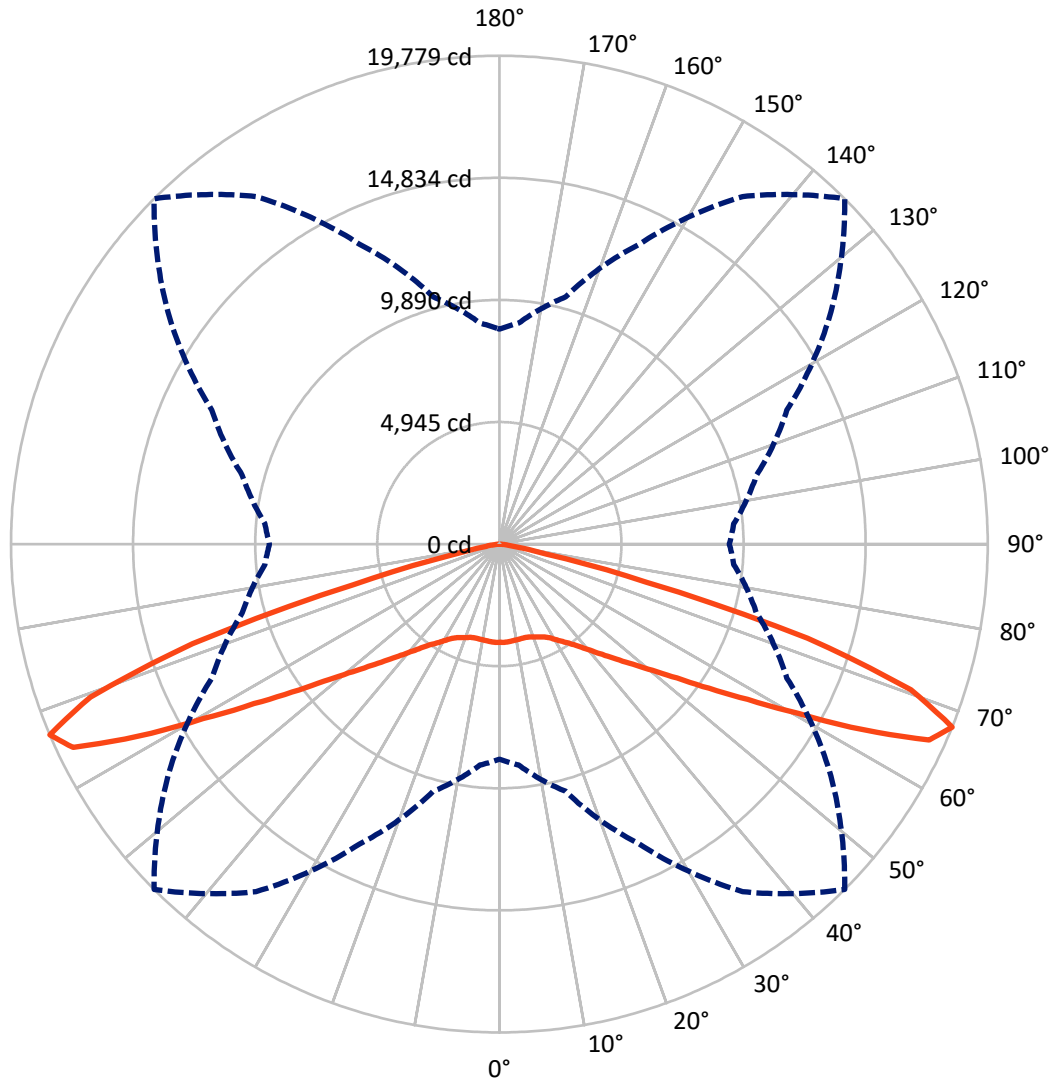
✕ Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18973.3	0.0	18973.3
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18973.3	0.0	18973.3
	% Fixture	50.0	0.0	50.0
Total	Lumens	37946.7	0.0	37946.7
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	376.1	1.0
10°-20°	1104.8	2.9
20°-30°	1905.4	5.0
30°-40°	3098.3	8.2
40°-50°	5216.9	13.7
50°-60°	9243.4	24.4
60°-70°	13212.8	34.8
70°-80°	3626.4	9.6
80°-90°	162.5	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°	37946.7	100.0
0°-180°	37946.7	100.0

Coefficient of Utilization



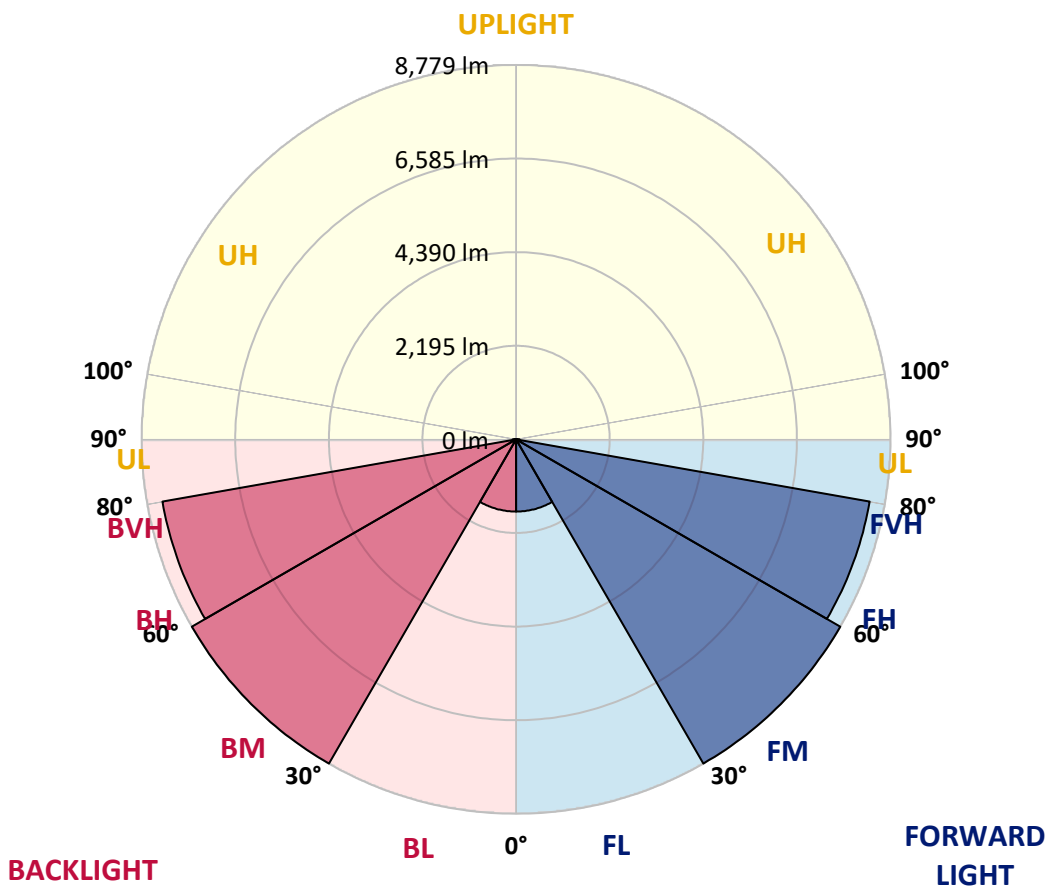
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1693.2	4.5			
FM (30°-60°)	8779.3	23.1			
FH (60°-80°)	8419.6	22.2			G4/12000
FVH (80°-90°)	81.2	0.2			G1/100
BL (0°-30°)	1693.2	4.5	B3/2500		
BM (30°-60°)	8779.3	23.1	B5		
BH (60°-80°)	8419.6	22.2	B5		G4/12000
BVH (80°-90°)	81.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G4
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2	3974.2
2.5°	3948.0	3945.4	3958.5	3966.4	3963.7	3982.1	3979.5	3974.2	3974.2	3966.4	3987.4
5°	3948.0	3945.4	3955.9	3958.5	3953.2	3969.0	3963.7	3958.5	3958.5	3948.0	3966.4
7.5°	3927.0	3929.6	3937.5	3942.7	3937.5	3950.6	3942.7	3932.2	3929.6	3919.1	3937.5
10°	3887.6	3890.2	3898.1	3911.2	3913.8	3937.5	3924.3	3906.0	3898.1	3887.6	3906.0
12.5°	3863.9	3866.6	3874.4	3890.2	3895.4	3927.0	3913.8	3884.9	3871.8	3861.3	3879.7
15°	3858.7	3861.3	3871.8	3887.6	3895.4	3927.0	3913.8	3879.7	3861.3	3848.2	3863.9
17.5°	3858.7	3863.9	3879.7	3903.3	3919.1	3950.6	3934.8	3895.4	3869.2	3845.5	3861.3
20°	3861.3	3869.2	3892.8	3927.0	3966.4	4011.0	3990.0	3937.5	3900.7	3871.8	3882.3
22.5°	3884.9	3898.1	3927.0	3971.6	4029.4	4081.9	4063.6	3992.6	3940.1	3900.7	3911.2
25°	3966.4	3971.6	4008.4	4066.2	4121.3	4166.0	4147.6	4081.9	4016.3	3969.0	3982.1
27.5°	4110.8	4124.0	4155.5	4215.9	4263.2	4286.8	4284.2	4239.5	4173.9	4131.9	4142.4
30°	4284.2	4297.3	4339.4	4407.7	4454.9	4481.2	4473.3	4439.2	4378.8	4321.0	4331.5
32.5°	4486.5	4491.7	4541.6	4617.8	4667.7	4707.1	4680.8	4644.1	4567.9	4499.6	4504.8
35°	4743.9	4751.8	4804.3	4875.2	4914.6	4946.1	4940.9	4904.1	4822.7	4749.1	4767.5
37.5°	5067.0	5072.2	5119.5	5208.8	5240.3	5264.0	5269.2	5250.8	5166.8	5072.2	5090.6
40°	5468.9	5471.5	5524.0	5602.8	5637.0	5652.7	5655.4	5658.0	5571.3	5500.4	5495.1
42.5°	5936.4	5949.6	6023.1	6099.3	6115.0	6107.2	6133.4	6159.7	6075.6	5978.4	5986.3
45°	6495.9	6503.8	6603.6	6687.7	6658.8	6632.5	6682.4	6734.9	6658.8	6532.7	6495.9
47.5°	7157.8	7173.6	7281.3	7365.4	7318.1	7270.8	7352.2	7407.4	7283.9	7150.0	7115.8
50°	7906.5	7917.0	8069.3	8174.4	8119.2	8032.6	8135.0	8192.8	8027.3	7861.8	7788.3
52.5°	8791.7	8770.7	8972.9	9156.8	9122.6	9009.7	9093.8	9104.3	8857.3	8623.6	8550.0
55°	9871.3	9850.3	10052.5	10254.8	10338.8	10309.9	10270.5	10207.5	9842.4	9592.8	9524.5
57.5°	11129.5	11063.8	11347.5	11620.7	11804.5	11857.1	11689.0	11541.9	11252.9	10945.6	10866.8
60°	12298.4	12295.7	12744.9	13217.7	13722.1	13932.2	13506.7	13107.4	12458.6	11899.1	11786.2
62.5°	12626.7	12681.9	13417.4	14588.9	15834.0	16577.3	15455.7	14134.5	12881.5	12038.3	11888.6
65°	11817.7	11954.3	12999.7	14848.9	17307.5	19125.2	16593.1	14158.1	12411.3	11360.6	11203.0
67.5°	8710.2	8983.4	10367.7	13399.0	17181.5	19779.3	16390.8	12847.4	10780.1	9529.8	9311.8
70°	4297.3	4557.4	5655.4	8815.3	14137.1	17680.5	14181.7	9682.1	7281.3	6078.3	5878.6
72.5°	1581.3	1686.4	2117.1	3772.0	7801.4	13060.1	9697.9	5408.4	3527.7	2808.0	2674.0
75°	774.9	793.3	858.9	1266.1	2878.9	6146.6	4557.4	2075.1	1297.6	1129.5	1092.7
77.5°	493.8	501.7	533.2	604.1	924.6	1935.9	1381.7	819.5	635.7	609.4	609.4
80°	275.8	283.7	325.7	375.6	433.4	664.6	496.5	491.2	417.7	365.1	357.2
82.5°	131.3	144.5	207.5	204.9	228.5	333.6	291.6	265.3	267.9	202.3	191.8
85°	60.4	60.4	81.4	97.2	102.4	112.9	134.0	152.4	149.7	102.4	110.3
87.5°	28.9	28.9	28.9	26.3	23.6	21.0	28.9	47.3	68.3	47.3	44.7
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)