

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: P629440

Luminaire Tested: GWS-SA1B-760-U-5NQ-W

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P629440
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-SA1B-760-U-5NQ-W
Description: GALLEON WALL SLIM LUMINAIRE. (1) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW OPTICS
Light Source: (16) 5700K CCT, 70 CRI LEDS
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3779.3 lumens
Efficiency: N/A
Efficacy: 151.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

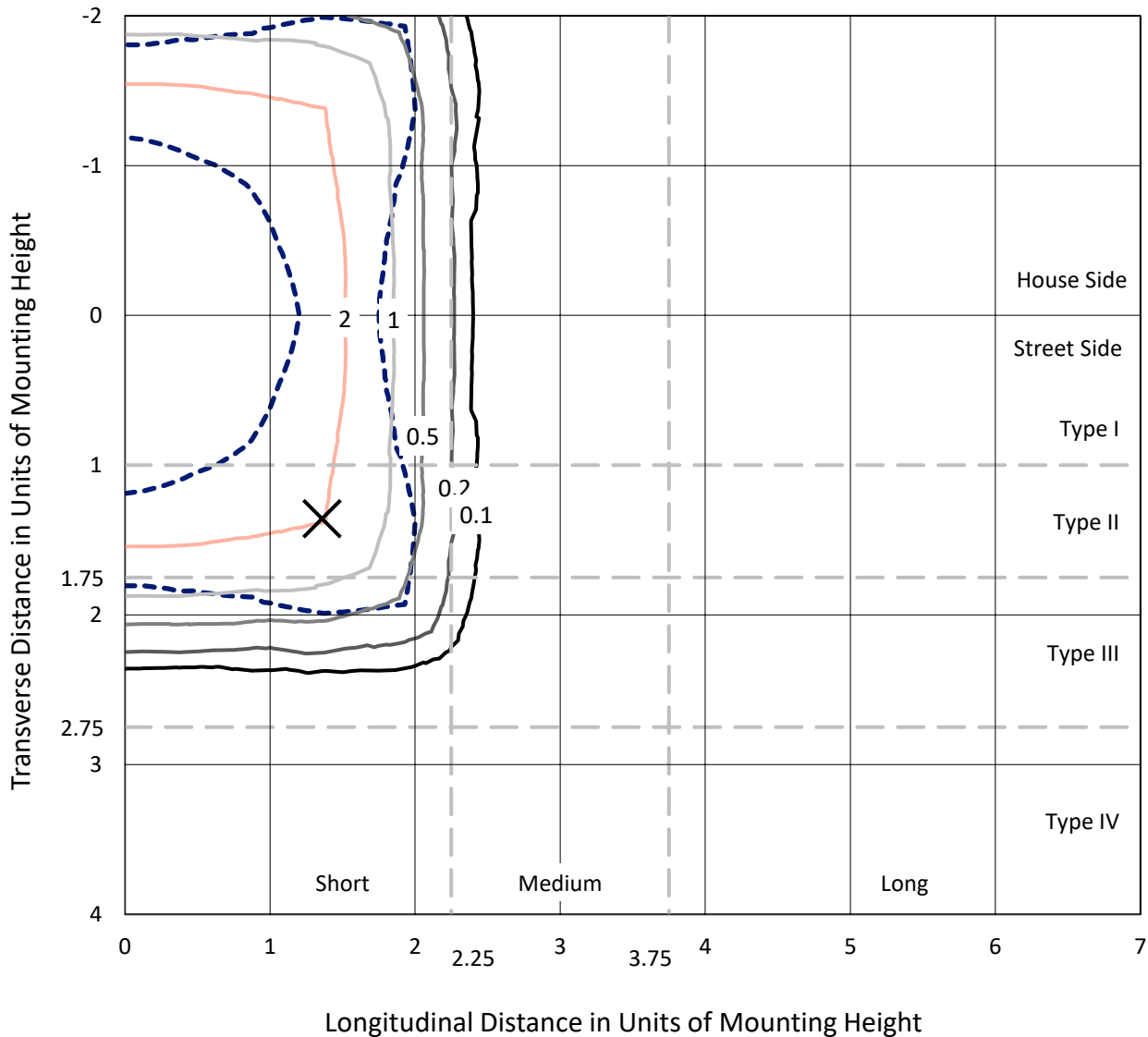
Input Watts (W): 25
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P629440
 CATALOG NUMBER: GWS-SA1B-760-U-5NQ-W

Iso-Footcandle Lines of Horizontal Illumination

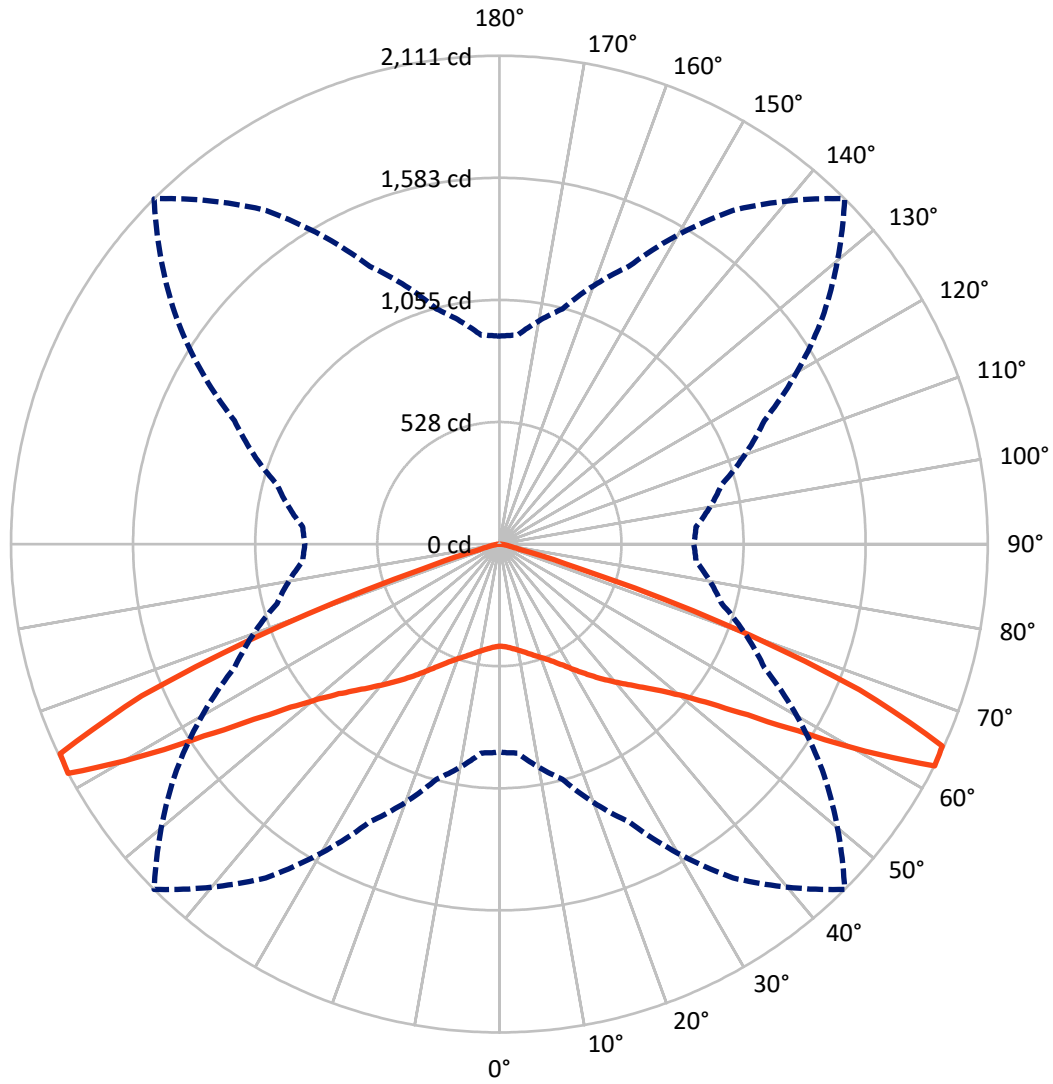
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 4.5 fc
 Type V - Short - N/A

REPORT NUMBER: P629440
CATALOG NUMBER: GWS-SA1B-760-U-5NQ-W

Luminous Intensity Polar Plot



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

REPORT NUMBER: P629440

CATALOG NUMBER: GWS-SA1B-760-U-5NQ-W

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1889.7	0.0	1889.7
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1889.7	0.0	1889.7
	% Fixture	50.0	0.0	50.0
Total	Lumens	3779.3	0.0	3779.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	43.3	1.1
10°-20°	139.5	3.7
20°-30°	263.9	7.0
30°-40°	444.2	11.8
40°-50°	709.7	18.8
50°-60°	1144.1	30.3
60°-70°	933.4	24.7
70°-80°	90.6	2.4
80°-90°	10.5	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°	3779.3	100.0
0°-180°	3779.3	100.0

Coefficient of Utilization



REPORT NUMBER: P629440

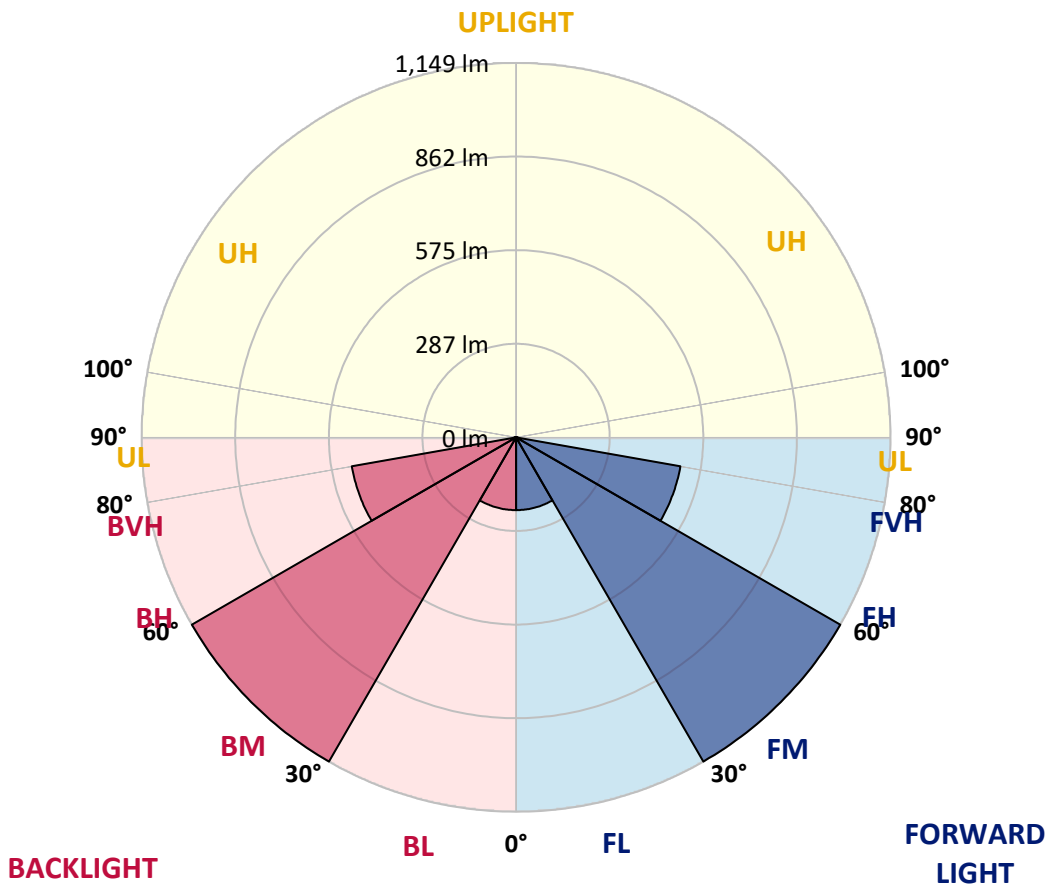
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	223.3	5.9			
FM (30°-60°)	1149.0	30.4			
FH (60°-80°)	512.0	13.5			G0/660
FVH (80°-90°)	5.3	0.1			G0/10
BL (0°-30°)	223.3	5.9	B1/500		
BM (30°-60°)	1149.0	30.4	B2/2500		
BH (60°-80°)	512.0	13.5	B2/1000		G0/660
BVH (80°-90°)	5.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9	440.9
2.5°	440.4	440.4	441.4	442.2	441.7	443.8	443.5	443.0	442.7	441.9	444.3
5°	446.3	446.3	447.1	447.9	446.6	449.2	448.2	447.6	447.4	446.3	448.4
7.5°	453.1	453.9	454.1	455.4	454.6	457.5	456.7	455.7	455.2	453.9	455.7
10°	460.6	461.1	461.4	463.7	464.0	467.3	466.6	465.3	464.2	462.9	465.5
12.5°	470.7	471.0	471.8	474.6	475.4	478.0	477.7	475.9	474.6	472.8	475.6
15°	483.7	483.9	485.2	488.1	489.4	492.5	491.5	488.6	486.8	484.7	487.0
17.5°	497.2	498.2	499.5	502.3	504.2	507.8	506.5	503.4	501.8	499.7	501.3
20°	514.5	514.8	515.6	518.7	520.0	524.1	524.4	521.3	520.5	518.4	520.7
22.5°	533.7	534.0	534.7	538.1	540.4	543.0	544.6	542.8	541.5	538.9	541.7
25°	555.0	557.5	558.3	562.5	565.1	566.6	568.4	567.7	565.8	562.7	564.0
27.5°	584.8	585.3	586.6	591.2	592.8	594.4	596.2	596.4	593.8	590.2	592.0
30°	618.7	618.5	621.3	624.9	626.2	627.5	630.1	631.7	628.3	624.4	626.2
32.5°	653.5	656.6	660.2	663.6	662.8	663.3	667.5	670.3	665.6	658.6	660.2
35°	692.6	694.7	699.3	704.3	703.2	702.4	705.0	707.9	701.4	692.3	694.7
37.5°	732.8	735.9	742.9	748.8	747.3	743.7	746.5	749.6	743.4	733.0	732.0
40°	777.6	782.5	792.6	797.6	793.4	786.4	791.4	798.9	792.6	780.7	777.9
42.5°	830.2	836.2	846.3	853.8	844.7	833.3	841.6	852.5	851.0	835.2	830.2
45°	895.3	899.2	911.6	915.2	901.8	886.0	901.0	917.6	913.7	896.6	890.1
47.5°	966.1	972.0	982.9	989.6	967.9	948.2	969.2	991.5	987.3	971.2	963.7
50°	1056.3	1064.0	1078.3	1084.0	1053.9	1031.4	1058.3	1086.6	1078.5	1057.0	1047.2
52.5°	1154.5	1160.7	1185.1	1196.5	1168.2	1143.9	1167.5	1195.2	1178.1	1149.6	1136.4
55°	1241.1	1247.3	1283.1	1320.9	1319.6	1302.8	1314.7	1315.2	1268.8	1221.6	1207.6
57.5°	1259.7	1266.0	1334.1	1433.1	1503.1	1522.6	1487.6	1414.0	1297.1	1214.4	1198.6
60°	1160.2	1167.2	1275.5	1456.5	1686.6	1816.5	1655.3	1411.9	1209.7	1097.7	1082.7
62.5°	898.9	906.4	1052.1	1323.8	1760.8	2110.7	1704.0	1263.4	995.1	853.3	840.1
65°	429.2	429.2	614.3	949.5	1613.0	2103.7	1563.0	934.7	599.0	460.1	448.7
67.5°	106.3	106.8	158.1	369.6	1097.2	1678.9	1115.1	448.7	211.0	149.3	145.4
70°	66.4	66.1	73.4	100.1	383.9	1018.9	455.9	135.3	85.8	75.7	75.2
72.5°	51.6	51.6	55.2	64.0	100.6	347.1	133.0	75.2	62.2	56.0	56.0
75°	40.7	40.7	43.3	48.0	59.4	89.4	70.8	55.7	48.2	44.1	43.5
77.5°	30.3	30.8	32.9	36.0	40.4	50.3	44.8	42.0	37.6	34.5	33.4
80°	19.7	20.5	23.1	24.9	26.4	33.2	29.3	30.6	28.5	24.9	24.4
82.5°	10.6	10.9	14.0	14.5	15.0	18.1	18.7	19.4	20.2	15.8	14.8
85°	3.9	3.9	4.7	5.4	6.0	6.5	8.8	10.9	11.4	9.1	8.8
87.5°	0.8	0.8	0.8	0.5	0.5	0.5	1.6	2.9	4.7	3.6	3.6
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)