

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: P640107

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

Issue Date: 1/10/2023

Test Information

Test Method: LM-79-2019
Report Number: P640107
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-SA5D-730-U-5NQ-W-GRSWH
Description: GALLEON WALL SLIM LUMINAIRE. (5) LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V NARROW 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: 24799.5 lumens
Efficiency: N/A
Efficacy: 121.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

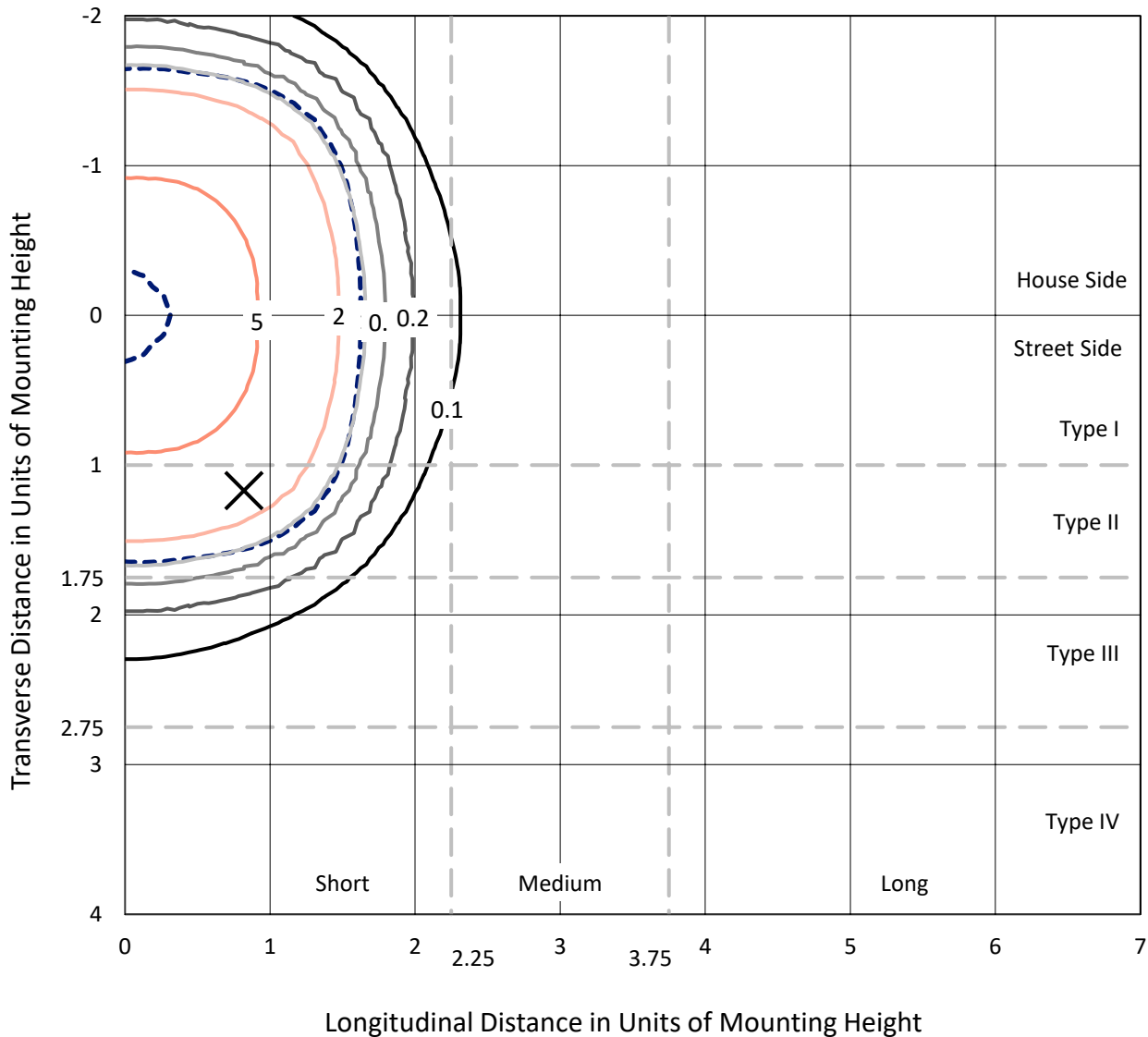
Input Watts (W): 204.6
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 0
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



REPORT NUMBER: P640107
 CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

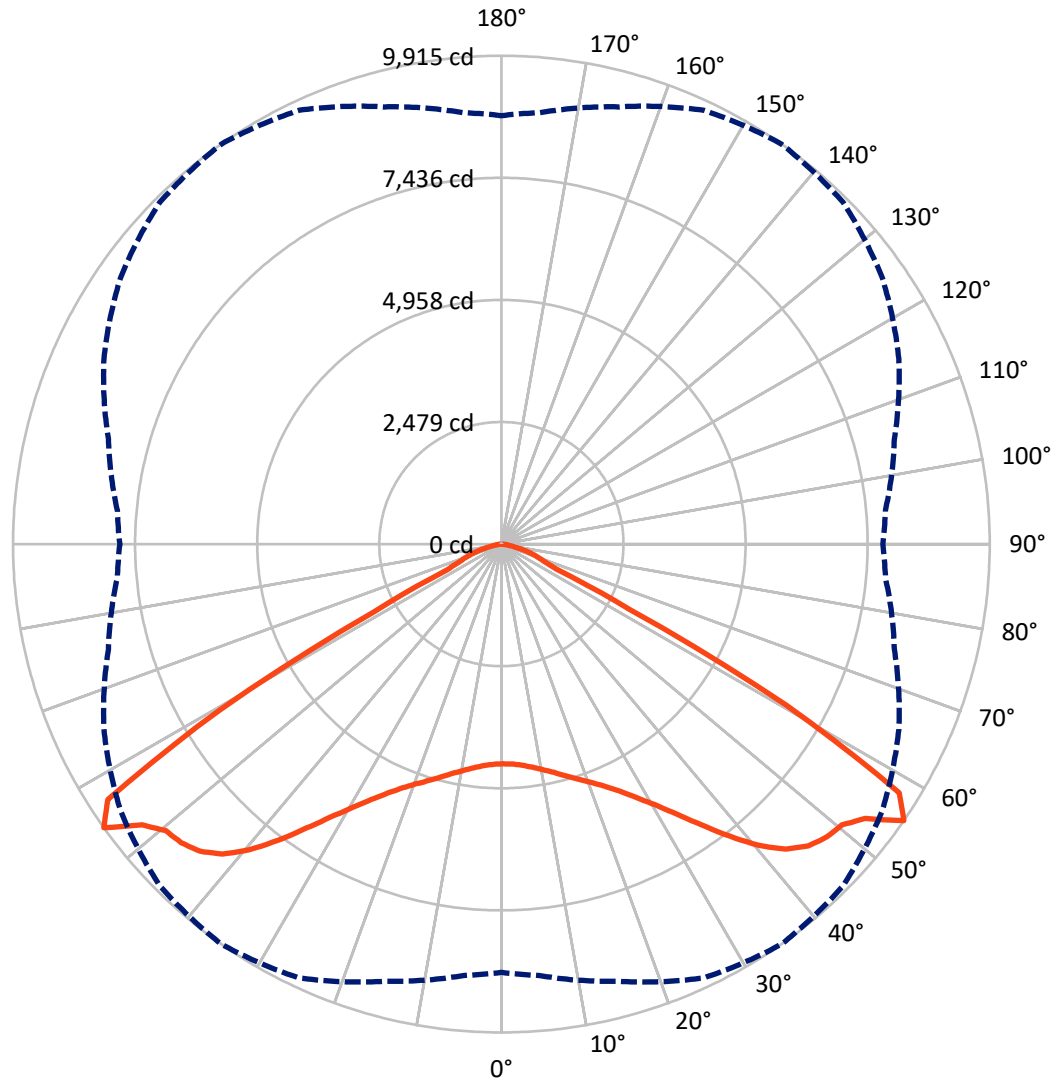
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type V - Short - N/A

REPORT NUMBER: P640107
CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P640107

CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W-GRSWH

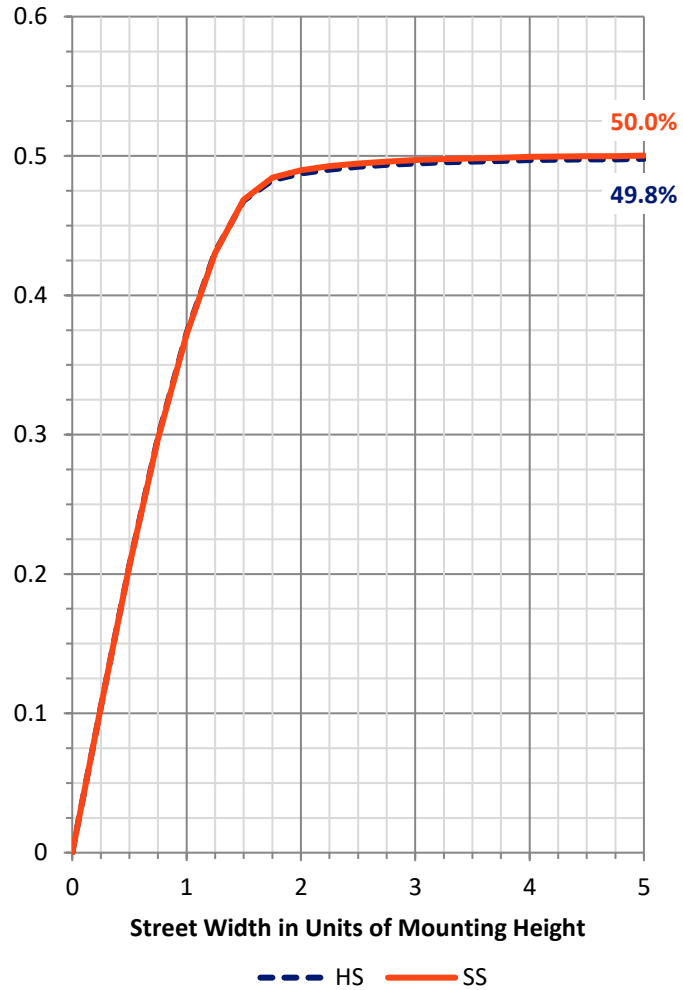
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	12399.8	0.0	12399.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	12399.8	0.0	12399.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	24799.5	0.0	24799.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	435.2	1.8
10°-20°	1385.5	5.6
20°-30°	2564.2	10.3
30°-40°	4289.4	17.3
40°-50°	6536.4	26.4
50°-60°	7322.1	29.5
60°-70°	1732.5	7.0
70°-80°	467.1	1.9
80°-90°	67.2	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°	24799.5	100.0
0°-180°	24799.5	100.0

Coefficient of Utilization



REPORT NUMBER: P640107

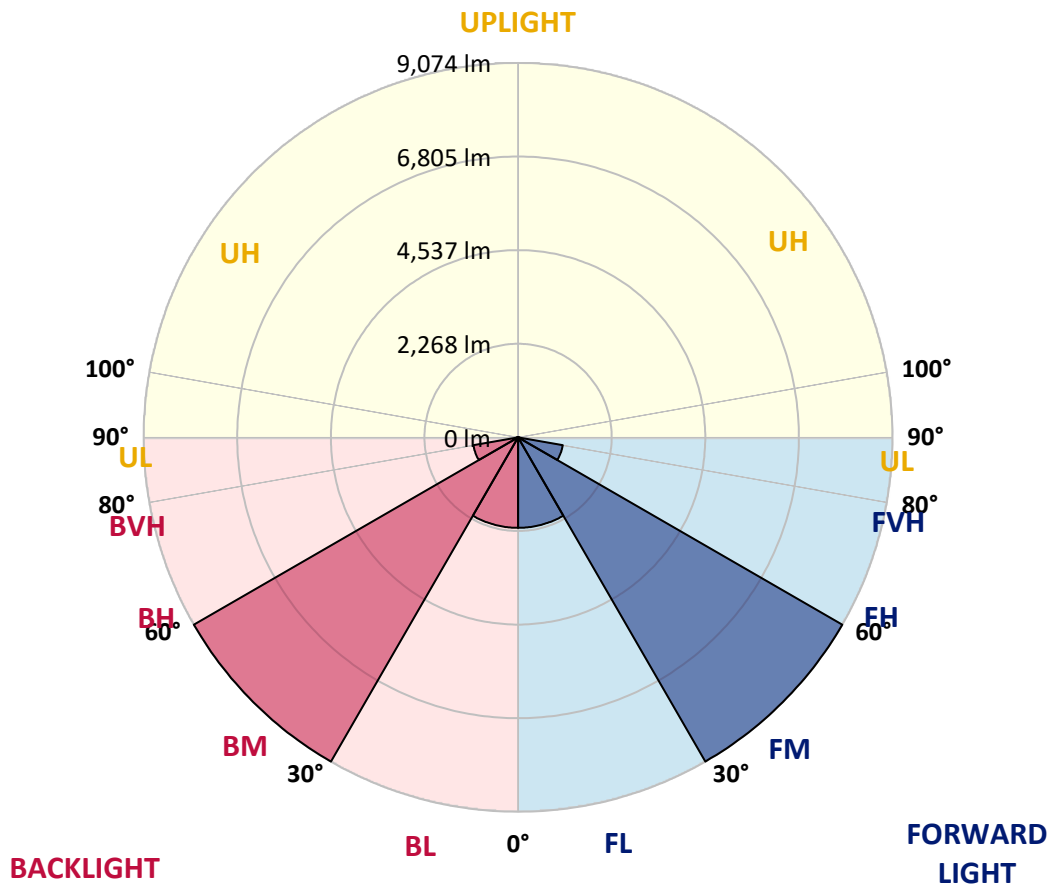
CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2192.4	8.8			
FM (30°-60°)	9073.9	36.6			
FH (60°-80°)	1099.8	4.4			G1/1800
FVH (80°-90°)	33.6	0.1			G1/100
BL (0°-30°)	2192.4	8.8	B3/2500		
BM (30°-60°)	9073.9	36.6	B5		
BH (60°-80°)	1099.8	4.4	B3/2500		G1/1800
BVH (80°-90°)	33.6	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





REPORT NUMBER: P640107

CATALOG NUMBER: GWS-SA5D-730-U-5NQ-W-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5	4461.5
2.5°	4451.7	4451.7	4459.5	4469.3	4471.3	4490.9	4487.0	4479.1	4475.2	4467.4	4485.0
5°	4500.7	4502.7	4508.6	4514.4	4510.5	4526.2	4520.3	4510.5	4504.6	4494.8	4512.5
7.5°	4565.4	4565.4	4571.3	4579.2	4575.2	4598.8	4587.0	4573.3	4563.5	4551.7	4567.4
10°	4624.3	4628.2	4634.1	4649.8	4657.6	4683.1	4675.3	4655.6	4640.0	4626.2	4643.9
12.5°	4712.5	4716.4	4722.3	4743.9	4757.6	4783.1	4771.4	4743.9	4720.4	4700.8	4720.4
15°	4826.3	4822.3	4838.0	4865.5	4883.1	4906.7	4892.9	4845.9	4814.5	4789.0	4808.6
17.5°	4942.0	4940.0	4955.7	4991.0	5016.5	5047.9	5024.3	4969.4	4936.1	4904.7	4924.3
20°	5067.5	5073.4	5089.0	5122.4	5159.6	5200.8	5181.2	5122.4	5085.1	5049.8	5065.5
22.5°	5222.4	5224.4	5242.0	5285.2	5334.2	5373.4	5361.6	5289.1	5242.0	5204.8	5224.4
25°	5408.7	5406.7	5430.3	5481.3	5549.9	5589.1	5563.6	5483.2	5432.2	5389.1	5404.8
27.5°	5622.5	5620.5	5655.8	5722.5	5820.5	5875.4	5822.5	5722.5	5651.9	5591.1	5604.8
30°	5891.1	5885.3	5924.5	6014.7	6142.2	6234.3	6155.9	6016.6	5924.5	5859.8	5873.5
32.5°	6189.2	6197.1	6246.1	6367.7	6528.5	6648.1	6530.5	6375.5	6252.0	6157.8	6173.5
35°	6516.7	6516.7	6616.7	6767.7	6997.2	7156.0	6973.7	6750.1	6585.4	6455.9	6459.9
37.5°	6881.5	6885.4	7016.8	7224.7	7524.7	7711.0	7463.9	7187.4	6987.4	6848.2	6840.3
40°	7326.7	7338.4	7473.7	7705.2	8042.5	8213.1	7948.3	7677.7	7473.7	7309.0	7293.3
42.5°	7828.7	7832.6	7975.8	8183.7	8468.0	8570.0	8362.1	8140.5	7973.8	7824.8	7809.1
45°	8307.2	8297.4	8421.0	8575.9	8740.6	8750.4	8634.7	8544.5	8399.4	8271.9	8248.4
47.5°	8679.8	8672.0	8783.8	8868.1	8887.7	8791.6	8828.9	8842.6	8673.9	8501.4	8456.3
50°	8907.3	8923.0	9028.9	9076.0	8960.3	8803.4	8944.6	8909.3	8668.1	8442.5	8370.0
52.5°	9044.6	9068.1	9252.5	9372.1	9252.5	9103.4	9123.0	8915.1	8568.0	8269.9	8175.8
55°	8697.5	8791.6	9189.7	9719.2	9915.3	9811.4	9438.8	8903.4	8260.1	7826.7	7746.3
57.5°	6446.1	6595.2	7185.5	8332.7	9525.1	9903.5	8815.1	7463.9	6489.3	5932.3	5885.3
60°	3290.7	3457.4	3930.0	5108.7	6642.2	7175.7	6140.2	4779.2	3798.6	3347.6	3296.6
62.5°	1343.4	1370.8	1525.7	1980.7	2935.8	3386.8	2975.0	2088.6	1568.9	1445.3	1447.3
65°	1057.0	1062.9	1055.1	1082.5	1229.6	1364.9	1261.0	1108.0	1080.6	1094.3	1084.5
67.5°	921.7	923.7	917.8	917.8	923.7	917.8	929.6	935.4	939.4	955.1	945.2
70°	770.7	772.7	772.7	776.6	774.6	764.8	782.5	790.3	792.3	802.1	796.2
72.5°	596.2	602.1	606.0	607.9	606.0	600.1	609.9	623.6	621.7	631.5	621.7
75°	404.0	411.8	415.8	423.6	421.6	421.6	433.4	439.3	433.4	441.2	433.4
77.5°	229.4	235.3	247.1	254.9	262.8	268.7	276.5	280.4	278.5	282.4	278.5
80°	133.4	135.3	145.1	149.0	158.8	168.7	176.5	180.4	182.4	184.3	182.4
82.5°	76.5	78.4	82.4	86.3	94.1	102.0	109.8	115.7	115.7	117.7	115.7
85°	37.3	37.3	39.2	41.2	45.1	51.0	56.9	62.8	64.7	64.7	64.7
87.5°	5.9	5.9	7.8	7.8	9.8	11.8	15.7	19.6	21.6	21.6	21.6
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)