

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: McGRAW-EDISON

Report Number: P528646

Luminaire Tested: **GALN-SA3D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528646
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA3D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18429 lumens
Efficiency: N/A
Efficacy: 100.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G1

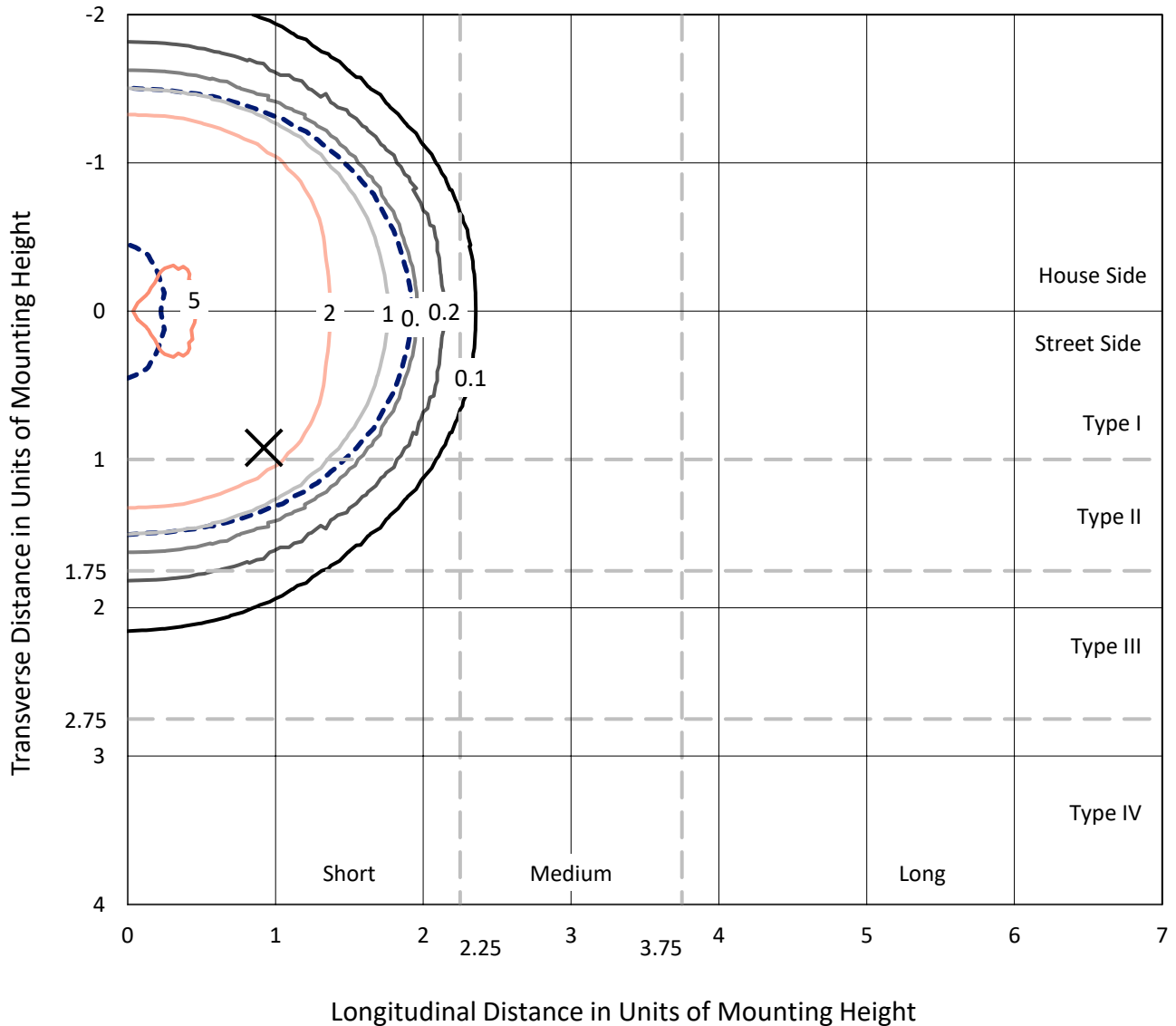
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

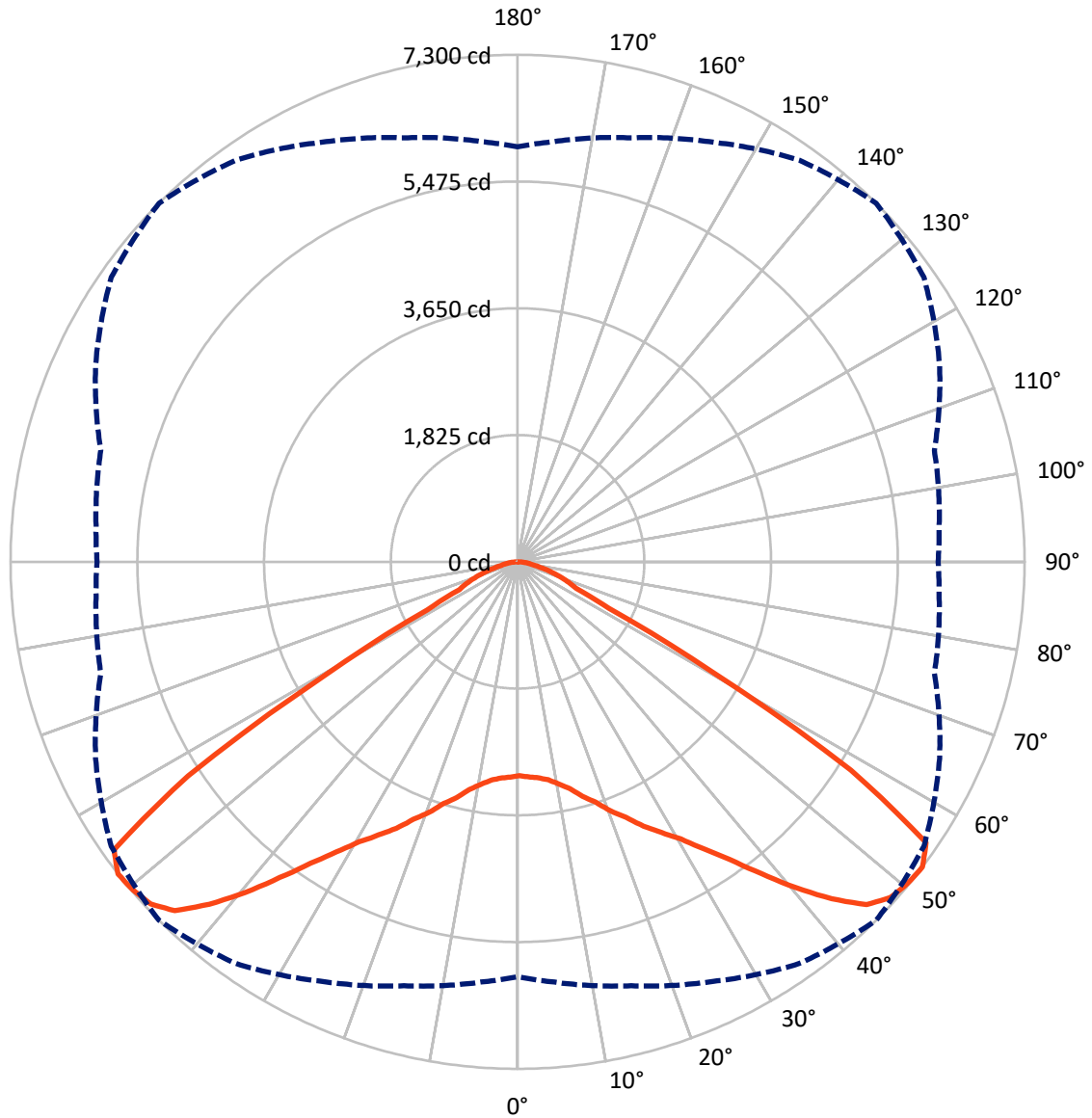
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.4 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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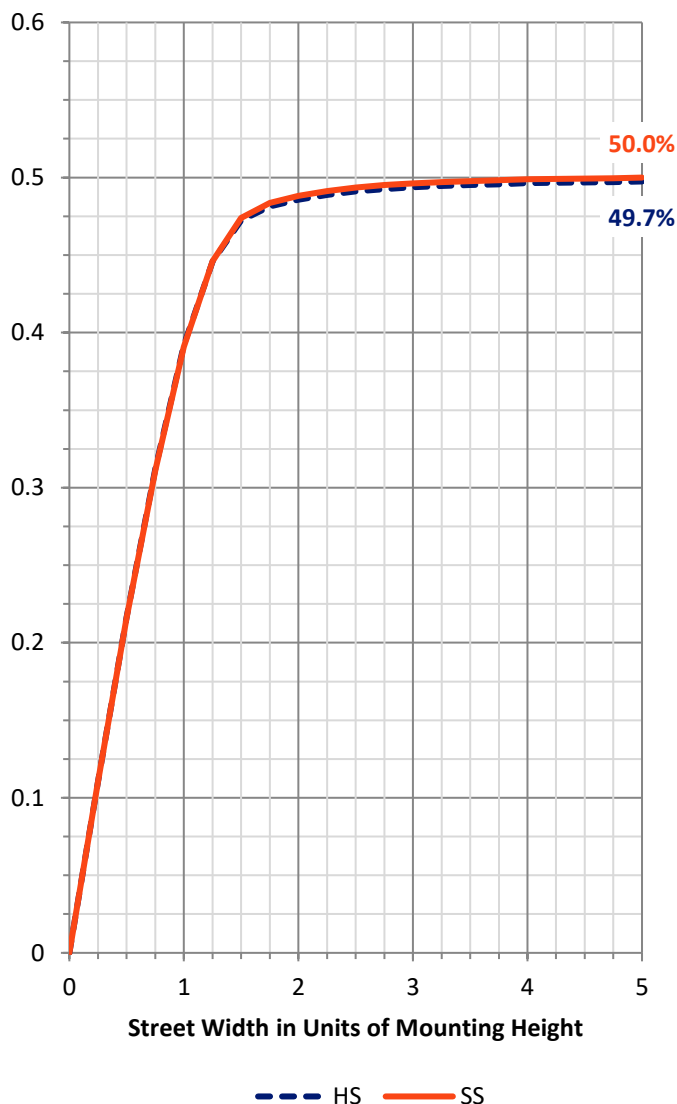
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	9214.5	0.0	9214.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	9214.5	0.0	9214.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	18429.0	0.0	18429.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	302.7	1.6
10°-20°	994.5	5.4
20°-30°	1893.5	10.3
30°-40°	3251.2	17.6
40°-50°	4997.2	27.1
50°-60°	5074.6	27.5
60°-70°	1414.2	7.7
70°-80°	417.2	2.3
80°-90°	84.0	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°	18429.0	100.0
0°-180°	18429.0	100.0

Coefficient of Utilization



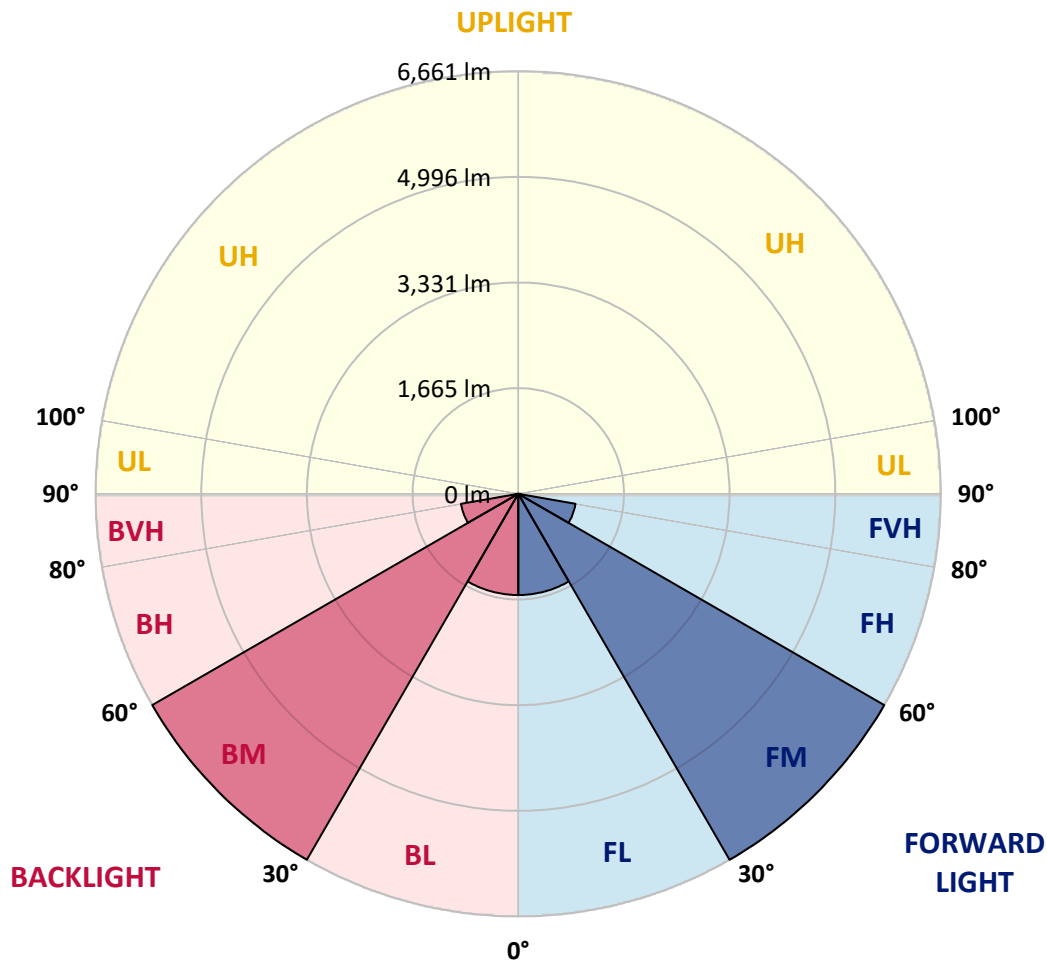
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1595.3	8.7			
FM (30°-60°)	6661.5	36.1			
FH (60°-80°)	915.7	5.0			G1/1800
FVH (80°-90°)	42.0	0.2			G1/100
BL (0°-30°)	1595.3	8.7	B3/2500		
BM (30°-60°)	6661.5	36.1	B4/8500		
BH (60°-80°)	915.7	5.0	B2/1000		G1/1800
BVH (80°-90°)	42.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7	3080.7
2.5°	3087.5	3055.5	3066.9	3073.8	3103.5	3101.2	3094.4	3103.5	3112.7	3115.0	3110.4
5°	3085.2	3062.4	3071.5	3078.4	3108.1	3124.1	3119.5	3158.4	3185.9	3179.0	3213.3
7.5°	3066.9	3080.7	3069.2	3103.5	3128.7	3167.6	3208.7	3245.3	3279.6	3318.5	3325.4
10°	3108.1	3108.1	3128.7	3156.1	3222.4	3252.2	3311.6	3364.2	3430.6	3476.3	3458.0
12.5°	3151.5	3158.4	3158.4	3229.3	3284.2	3350.5	3405.4	3476.3	3570.1	3625.0	3652.4
15°	3195.0	3199.6	3222.4	3318.5	3400.8	3506.0	3556.4	3620.4	3673.0	3775.9	3778.2
17.5°	3233.9	3259.0	3327.7	3435.1	3538.1	3638.7	3718.7	3785.1	3830.8	3872.0	3862.8
20°	3380.3	3398.5	3469.4	3576.9	3730.2	3828.5	3856.0	3867.4	3897.1	3979.5	3954.3
22.5°	3522.0	3528.9	3595.2	3759.9	3867.4	3997.8	4027.5	4020.6	4032.1	4052.6	4089.2
25°	3668.4	3679.9	3771.3	3910.8	4061.8	4217.3	4242.5	4189.9	4173.9	4196.7	4199.0
27.5°	3856.0	3858.2	3974.9	4096.1	4267.6	4414.0	4452.9	4411.7	4336.2	4354.5	4384.3
30°	4093.8	4077.8	4194.4	4368.3	4548.9	4631.3	4697.6	4677.0	4594.7	4578.7	4553.5
32.5°	4368.3	4372.8	4478.0	4667.9	4786.8	4924.0	4994.9	4960.6	4908.0	4880.6	4896.6
35°	4754.8	4775.4	4846.2	5004.1	5196.2	5264.8	5376.8	5303.7	5166.4	5200.7	5230.5
37.5°	5072.7	5132.1	5264.8	5452.3	5566.7	5692.5	5733.6	5635.3	5534.6	5493.5	5591.8
40°	5559.8	5541.5	5687.9	5875.4	6044.7	6170.4	6117.8	6019.5	5770.2	5772.5	5799.9
42.5°	5978.3	5987.5	6099.6	6323.7	6554.7	6632.4	6465.5	6225.3	5948.6	5918.9	5978.3
45°	6330.5	6367.1	6431.2	6730.8	6957.2	7041.8	6733.1	6449.5	6079.0	5955.5	6053.8
47.5°	6456.3	6515.8	6655.3	6929.7	7153.9	7222.5	6975.5	6568.4	6200.2	5998.9	6051.5
50°	6474.6	6454.0	6682.7	6934.3	7131.0	7279.7	7062.4	6655.3	6170.4	6065.2	6049.2
52.5°	5973.8	6074.4	6319.1	6664.5	7062.4	7300.2	7140.2	6703.3	6211.6	6092.7	6053.8
55°	4834.8	4715.9	5161.9	5742.8	6474.6	7135.6	7112.7	6728.5	6236.8	6138.4	6085.8
57.5°	2698.7	2733.0	2984.6	3615.8	4560.4	5658.2	6323.7	6463.2	6225.3	6168.2	6195.6
60°	1248.7	1260.2	1367.7	1662.7	2248.2	3208.7	4084.7	4974.3	5383.7	5466.0	5466.0
62.5°	930.8	926.3	953.7	1006.3	1129.8	1475.1	1969.1	2675.8	3238.5	3631.8	3734.7
65°	841.6	839.3	853.1	871.4	880.5	928.5	1038.3	1255.6	1438.6	1543.8	1525.5
67.5°	736.4	734.1	738.7	750.2	766.2	791.3	818.8	864.5	928.5	924.0	912.5
70°	594.6	594.6	601.5	610.6	628.9	658.7	690.7	722.7	777.6	789.0	786.7
72.5°	439.1	432.3	446.0	464.3	482.6	519.2	553.5	583.2	622.1	633.5	628.9
75°	279.0	283.6	292.7	313.3	345.3	370.5	407.1	432.3	457.4	466.6	468.8
77.5°	155.5	160.1	176.1	201.3	233.3	260.7	292.7	313.3	329.3	331.6	333.9
80°	93.8	96.1	112.1	134.9	162.4	192.1	217.3	237.9	251.6	244.7	242.4
82.5°	57.2	59.5	73.2	93.8	116.6	139.5	167.0	185.3	199.0	189.8	180.7
85°	29.7	32.0	43.5	57.2	75.5	86.9	86.9	77.8	75.5	70.9	68.6
87.5°	9.1	9.1	11.4	13.7	11.4	13.7	16.0	18.3	18.3	20.6	18.3
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)