

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: P528645

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528645
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13592 lumens
Efficiency: N/A
Efficacy: 73.9 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G0

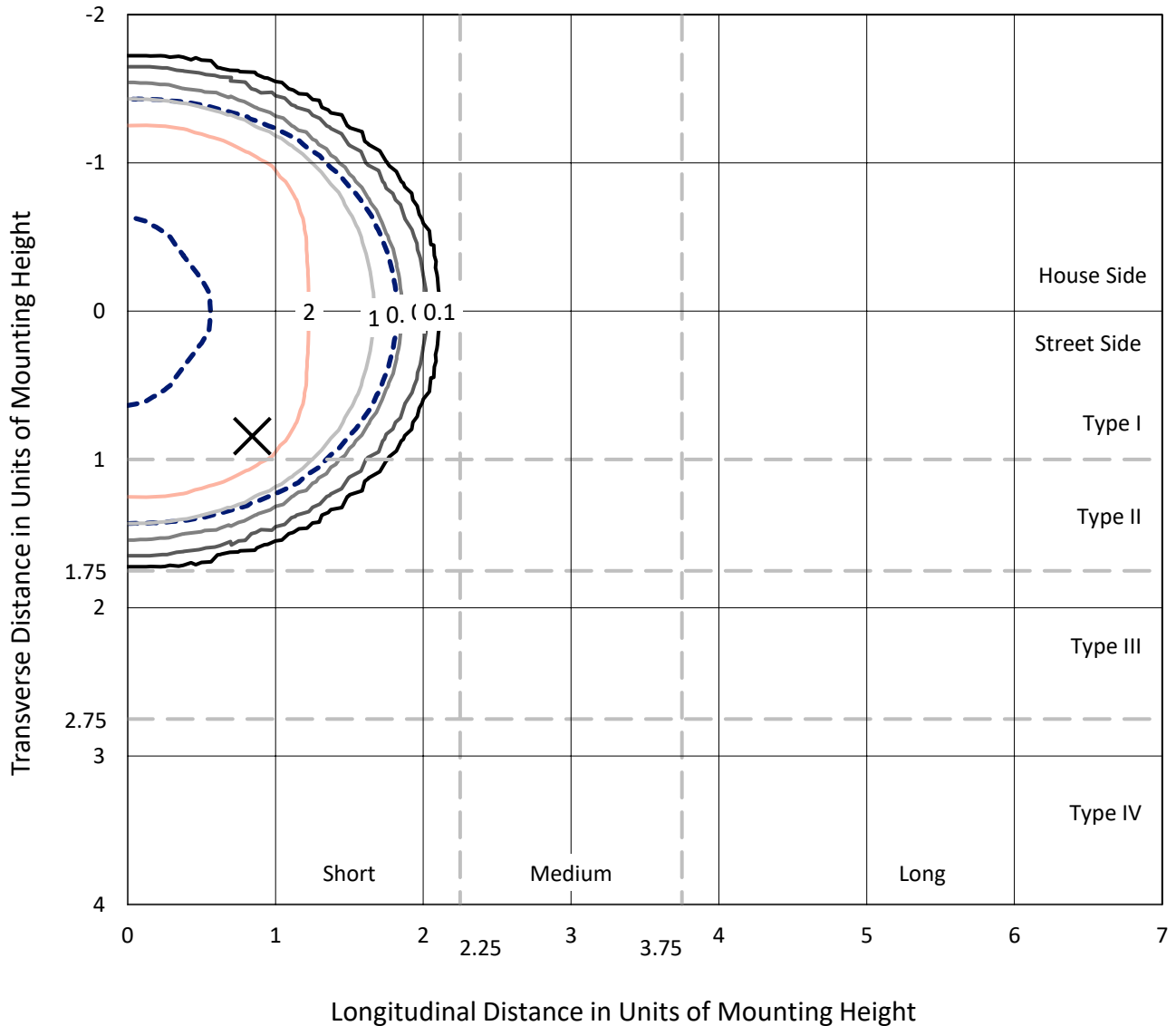
Input Watts (W): 184
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

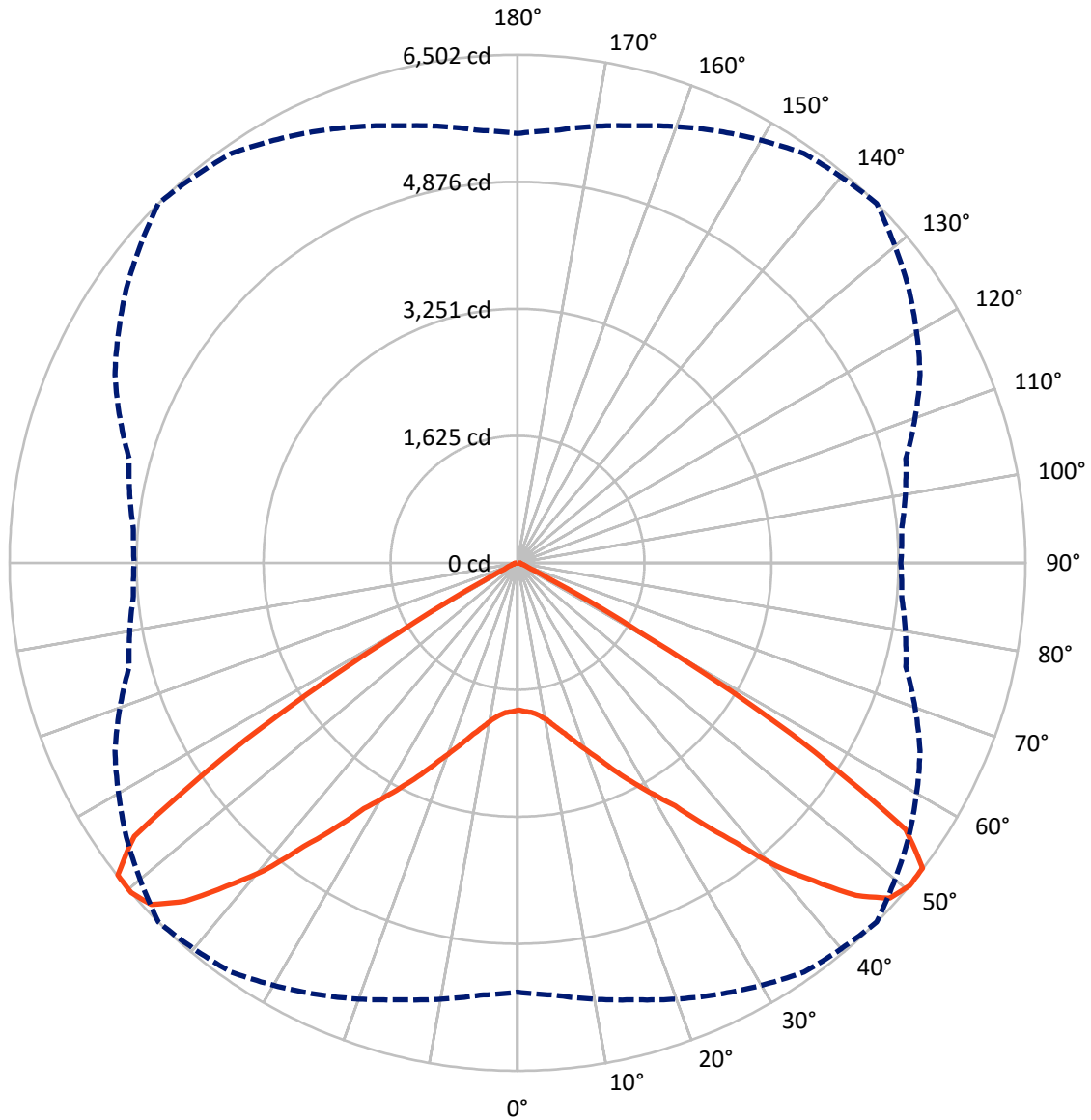
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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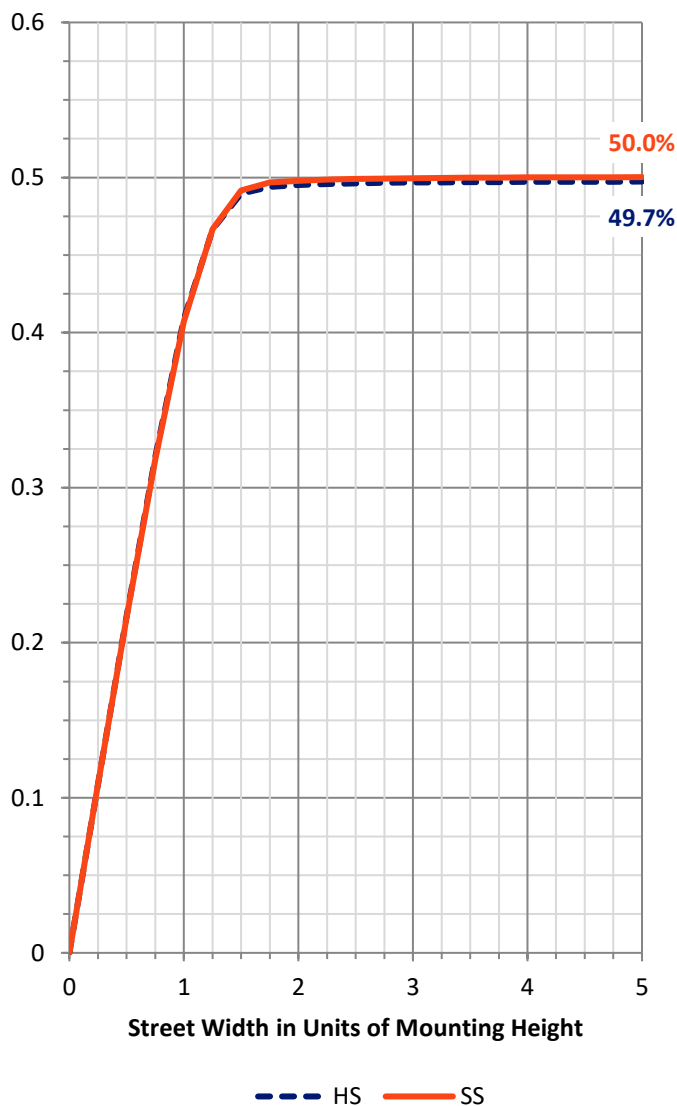
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6796.0	0.0	6796.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6796.0	0.0	6796.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	13592.0	0.0	13592.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	187.5	1.4
10°-20°	646.1	4.8
20°-30°	1319.6	9.7
30°-40°	2516.5	18.5
40°-50°	4240.7	31.2
50°-60°	4044.3	29.8
60°-70°	564.6	4.2
70°-80°	54.0	0.4
80°-90°	18.7	0.1
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°	13592.0	100.0
0°-180°	13592.0	100.0

Coefficient of Utilization

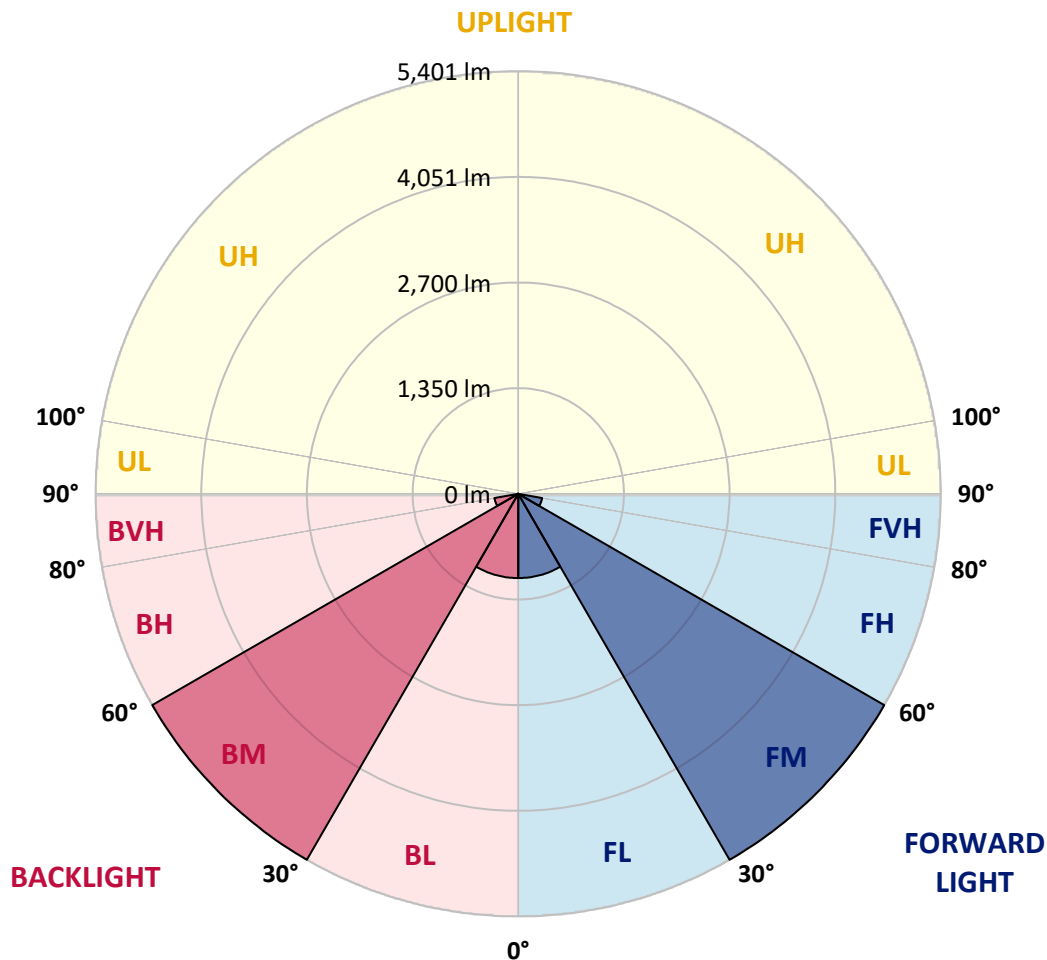


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1076.6	7.9			
FM (30°-60°)	5400.8	39.7			
FH (60°-80°)	309.3	2.3			G0/660
FVH (80°-90°)	9.3	0.1			G0/10
BL (0°-30°)	1076.6	7.9	B3/2500		
BM (30°-60°)	5400.8	39.7	B4/8500		
BH (60°-80°)	309.3	2.3	B1/500		G0/660
BVH (80°-90°)	9.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4	1884.4
2.5°	1877.5	1877.5	1875.2	1893.5	1884.4	1905.0	1902.7	1909.5	1916.4	1914.1	1932.4
5°	1861.5	1859.2	1859.2	1879.8	1900.4	1923.3	1943.8	1957.6	1980.4	1980.4	2003.3
7.5°	1877.5	1866.1	1882.1	1891.2	1930.1	1969.0	2003.3	2030.7	2083.3	2101.6	2094.8
10°	1882.1	1895.8	1907.2	1934.7	1982.7	2042.2	2071.9	2140.5	2200.0	2241.1	2250.3
12.5°	1911.8	1932.4	1964.4	2030.7	2074.2	2151.9	2193.1	2259.4	2341.8	2387.5	2419.5
15°	1969.0	1975.9	2017.0	2101.6	2195.4	2266.3	2330.3	2378.3	2458.4	2511.0	2513.3
17.5°	2042.2	2071.9	2129.1	2209.1	2307.5	2412.6	2463.0	2515.6	2545.3	2616.2	2632.2
20°	2188.5	2193.1	2248.0	2353.2	2476.7	2572.7	2609.3	2636.8	2625.3	2698.5	2712.2
22.5°	2325.7	2330.3	2398.9	2540.7	2673.4	2755.7	2771.7	2755.7	2721.4	2774.0	2778.5
25°	2465.2	2506.4	2556.7	2698.5	2863.2	2972.9	2975.2	2931.8	2860.9	2870.0	2892.9
27.5°	2682.5	2712.2	2764.8	2895.2	3075.8	3199.3	3178.7	3126.2	3034.7	3041.5	3034.7
30°	2936.3	2963.8	3007.2	3174.2	3306.8	3441.7	3471.5	3421.2	3283.9	3254.2	3288.5
32.5°	3242.8	3281.7	3361.7	3514.9	3627.0	3709.3	3729.9	3711.6	3583.5	3572.1	3595.0
35°	3615.5	3668.1	3741.3	3876.2	3967.7	4116.4	4116.4	4054.6	3938.0	3951.7	3949.4
37.5°	4008.9	4086.6	4201.0	4338.2	4461.7	4541.7	4516.6	4464.0	4347.3	4317.6	4347.3
40°	4502.8	4541.7	4685.8	4864.2	5015.1	5106.6	4999.1	4884.8	4605.8	4649.2	4729.2
42.5°	4953.4	5015.1	5124.9	5321.5	5493.1	5568.5	5440.5	5214.1	4877.9	4843.6	4903.1
45°	5337.6	5403.9	5547.9	5829.2	6009.9	6076.2	5792.6	5426.7	5042.5	4955.6	4980.8
47.5°	5593.7	5628.0	5829.2	6096.8	6261.5	6412.4	6005.3	5573.1	5120.3	4955.6	4946.5
50°	5495.3	5554.8	5790.4	6094.5	6394.1	6501.6	6112.8	5685.2	5145.5	4935.1	4907.6
52.5°	4880.2	4983.1	5246.1	5655.4	6108.2	6492.4	6261.5	5648.6	5136.3	4955.6	4996.8
55°	3396.0	3398.3	3718.5	4322.2	5122.6	6028.2	6044.2	5689.7	5195.8	5083.7	5086.0
57.5°	1365.3	1433.9	1678.6	2284.6	3023.2	4139.2	4921.3	5278.1	5202.6	5175.2	5246.1
60°	345.3	347.6	423.1	644.9	1063.4	1774.6	2577.3	3487.5	4015.7	4196.4	4221.6
62.5°	176.1	178.4	196.7	228.7	290.4	475.7	846.1	1342.4	1909.5	2197.7	2273.1
65°	144.1	144.1	155.5	171.5	173.8	182.9	219.5	313.3	455.1	516.8	523.7
67.5°	109.8	109.8	118.9	128.1	132.6	130.4	125.8	130.4	157.8	150.9	146.4
70°	68.6	70.9	75.5	84.6	89.2	91.5	93.8	98.3	112.1	116.6	112.1
72.5°	41.2	41.2	43.5	50.3	57.2	61.7	68.6	73.2	80.0	91.5	89.2
75°	18.3	18.3	22.9	29.7	36.6	43.5	50.3	57.2	61.7	68.6	70.9
77.5°	4.6	6.9	11.4	20.6	27.4	36.6	45.7	52.6	57.2	57.2	54.9
80°	2.3	2.3	9.1	16.0	29.7	38.9	50.3	54.9	61.7	57.2	50.3
82.5°	2.3	2.3	9.1	16.0	27.4	38.9	52.6	59.5	64.0	57.2	48.0
85°	0.0	2.3	6.9	13.7	22.9	27.4	22.9	16.0	9.1	9.1	6.9
87.5°	0.0	0.0	2.3	2.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)