

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: P530514

Luminaire Tested: **GALN-SA5D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530514
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-2)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5D-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 29932 lumens
Efficiency: N/A
Efficacy: 96.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

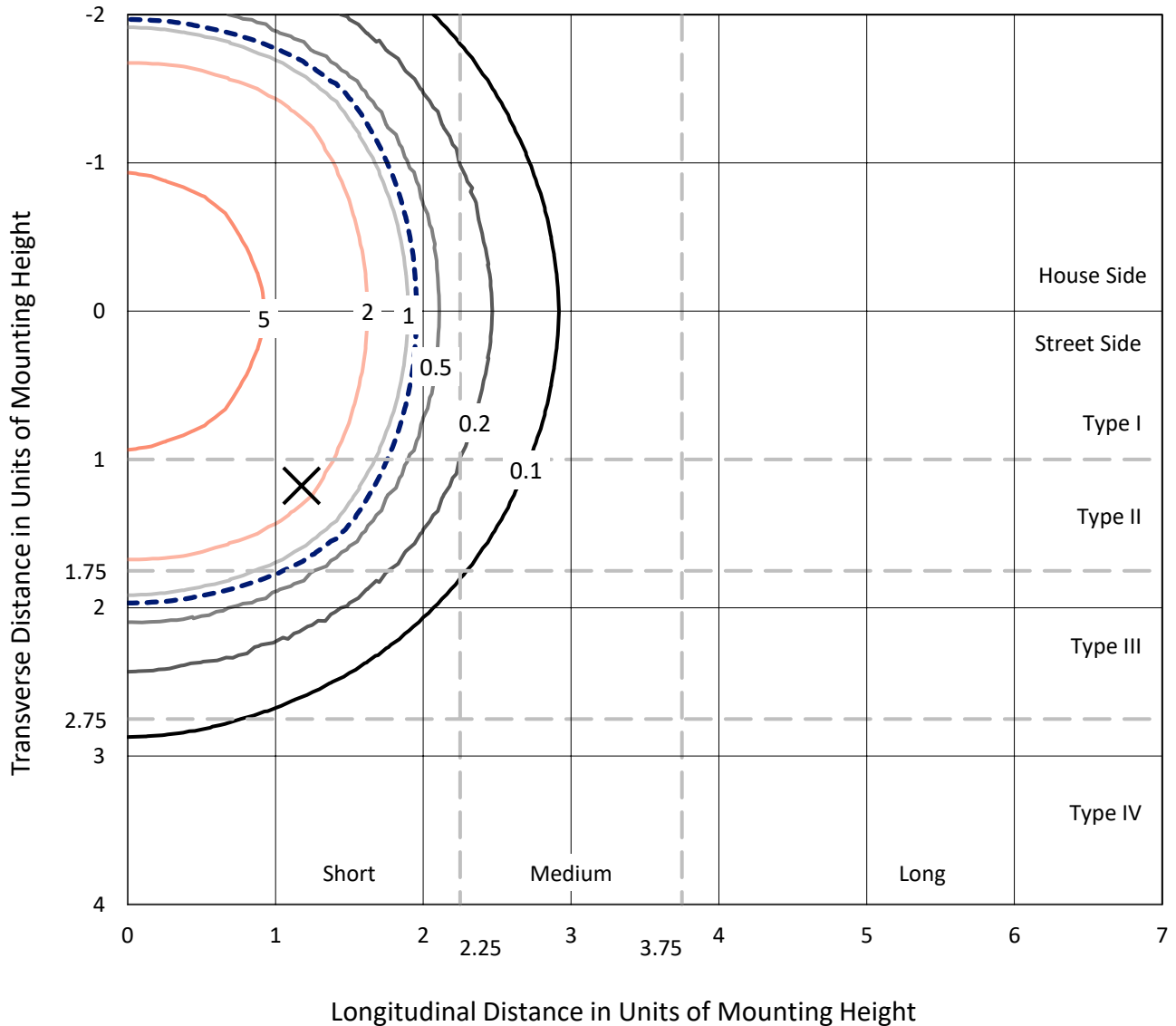
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

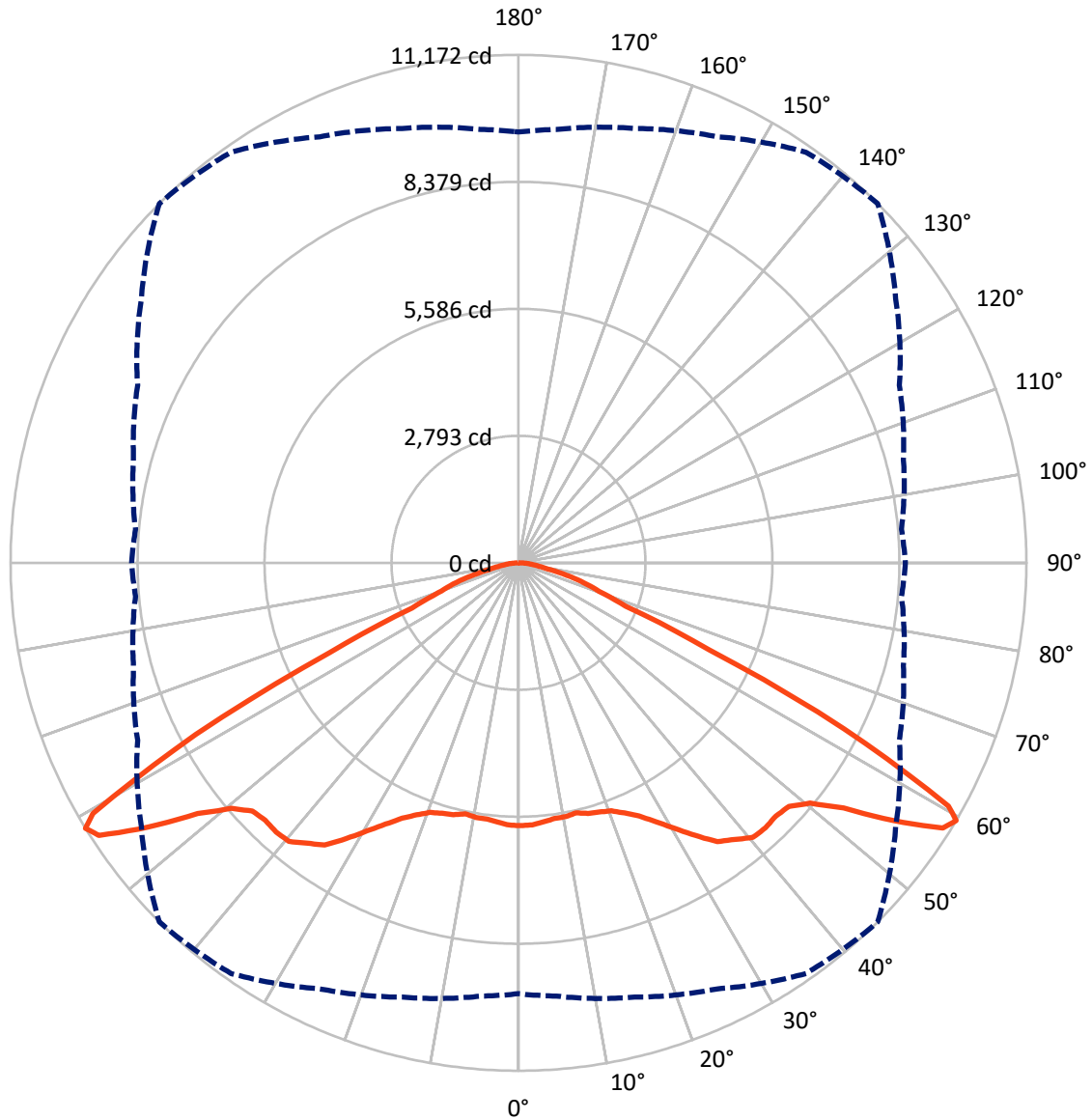
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 59-Deg Vertical

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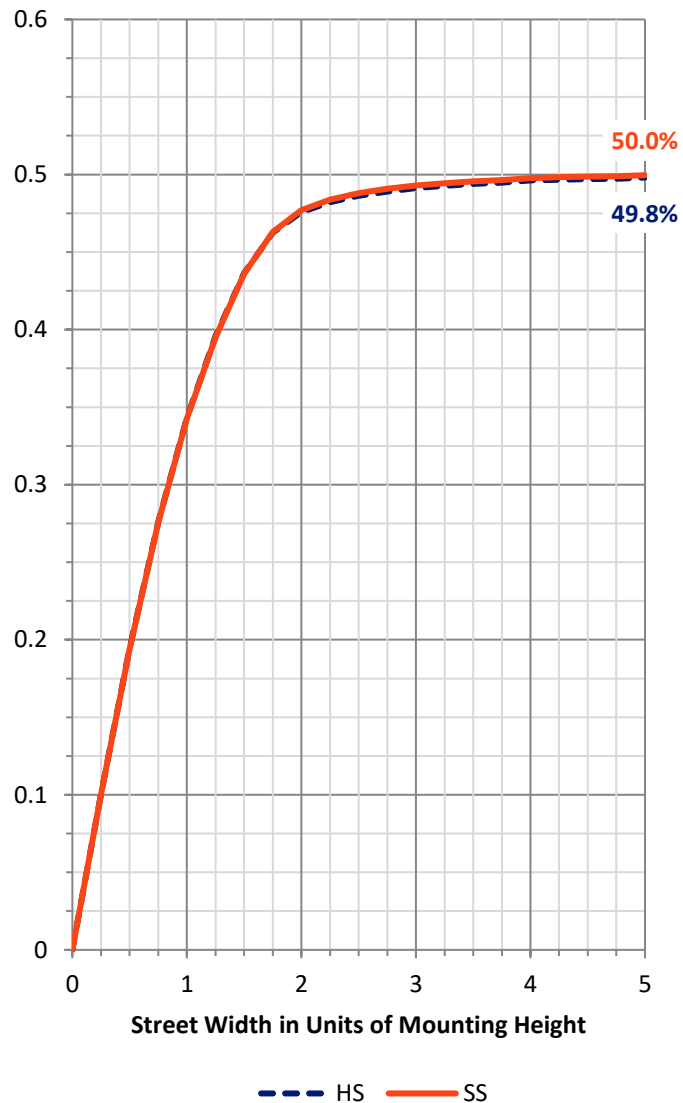
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14966.0	0.0	14966.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14966.0	0.0	14966.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	29932.0	0.0	29932.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	545.0	1.8
10°-20°	1620.7	5.4
20°-30°	2830.0	9.5
30°-40°	4519.9	15.1
40°-50°	6157.0	20.6
50°-60°	8326.0	27.8
60°-70°	4566.0	15.3
70°-80°	1168.1	3.9
80°-90°	199.2	0.7
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°	29932.0	100.0
0°-180°	29932.0	100.0

Coefficient of Utilization



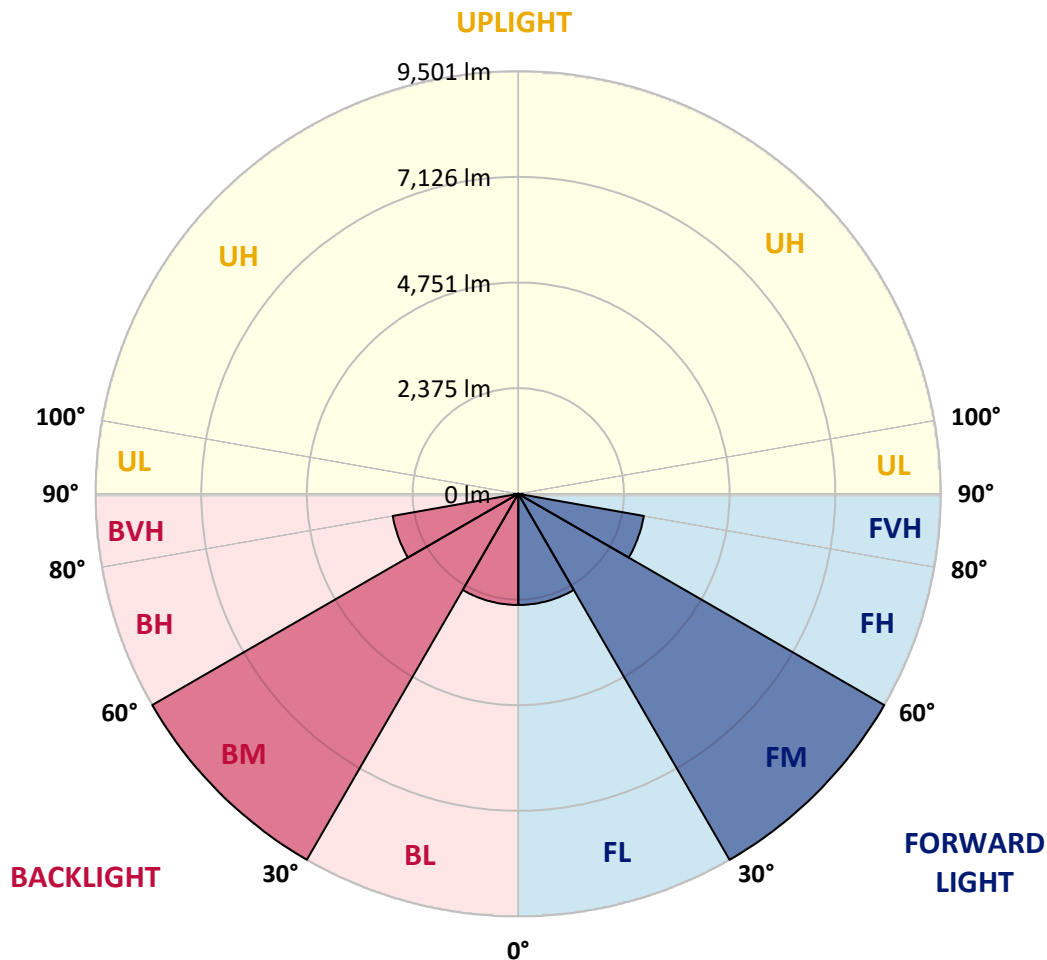
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 CATALOG NUMBER: GALN-SA5D-730-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2497.9	8.3			
FM (30°-60°)	9501.5	31.7			
FH (60°-80°)	2867.0	9.6			G2/5000
FVH (80°-90°)	99.6	0.3			G1/100
BL (0°-30°)	2497.9	8.3	B3/2500		
BM (30°-60°)	9501.5	31.7	B5		
BH (60°-80°)	2867.0	9.6	B4/5000		G2/5000
BVH (80°-90°)	99.6	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4	5781.4
2.5°	5746.9	5789.1	5758.4	5785.3	5781.4	5769.9	5750.7	5739.2	5723.9	5746.9	5708.5
5°	5723.9	5758.4	5792.9	5746.9	5746.9	5723.9	5712.4	5689.4	5689.4	5685.5	5681.7
7.5°	5762.2	5727.7	5712.4	5720.0	5727.7	5677.8	5712.4	5666.3	5628.0	5654.8	5685.5
10°	5727.7	5743.1	5685.5	5712.4	5670.2	5677.8	5654.8	5685.5	5643.3	5643.3	5643.3
12.5°	5762.2	5720.0	5739.2	5720.0	5708.5	5643.3	5674.0	5639.5	5635.6	5674.0	5639.5
15°	5831.3	5762.2	5746.9	5708.5	5720.0	5720.0	5689.4	5693.2	5651.0	5674.0	5681.7
17.5°	5808.3	5769.9	5758.4	5712.4	5750.7	5762.2	5704.7	5666.3	5693.2	5689.4	5685.5
20°	5827.5	5842.8	5831.3	5839.0	5854.3	5823.6	5769.9	5716.2	5681.7	5731.6	5727.7
22.5°	5950.2	5934.9	5927.2	5919.5	5946.4	5977.1	5904.2	5819.8	5819.8	5854.3	5869.7
25°	6050.0	6046.1	6042.3	6076.8	6168.9	6168.9	6076.8	5969.4	5942.6	5965.6	5946.4
27.5°	6195.8	6238.0	6222.6	6284.0	6418.3	6449.0	6326.2	6199.6	6126.7	6099.9	6134.4
30°	6529.5	6479.7	6491.2	6556.4	6675.3	6775.1	6587.1	6452.8	6353.1	6349.2	6364.6
32.5°	6752.0	6790.4	6824.9	6886.3	7074.3	7151.0	6924.7	6706.0	6644.6	6610.1	6621.6
35°	7197.1	7162.5	7154.9	7216.2	7404.2	7530.8	7246.9	7055.1	6974.5	7051.3	7051.3
37.5°	7619.1	7523.1	7450.3	7530.8	7703.5	7718.8	7477.1	7373.5	7331.3	7419.6	7415.7
40°	7818.6	7810.9	7642.1	7688.1	7918.3	7941.3	7715.0	7592.2	7584.5	7699.6	7814.7
42.5°	8025.7	7952.8	7784.0	7814.7	7956.7	7964.3	7749.5	7715.0	7799.4	7910.6	7918.3
45°	8060.2	7998.9	7891.4	7814.7	7918.3	7941.3	7814.7	7837.7	7845.4	7979.7	7979.7
47.5°	8129.3	8121.6	8060.2	8002.7	8021.9	8002.7	7922.1	7956.7	8071.8	8137.0	8106.3
50°	8321.1	8240.6	8301.9	8252.1	8255.9	8309.6	8236.7	8271.2	8248.2	8190.7	8152.3
52.5°	8743.1	8704.8	8758.5	8793.0	8831.4	8954.1	8869.7	8685.6	8512.9	8359.5	8355.6
55°	9360.8	9387.6	9491.2	9667.7	9817.3	10013.0	9606.3	9165.1	8888.9	8647.2	8662.6
57.5°	9943.9	9924.7	10066.7	10469.5	10906.8	11006.6	10208.6	9579.5	9130.6	8977.1	8911.9
59°	9475.9	9567.9	9890.2	10339.1	11025.8	11171.6	10128.1	9241.8	8766.1	8455.4	8509.1
60°	8739.3	8773.8	9061.5	9686.9	10615.3	10864.6	9587.1	8720.1	8087.1	7906.8	7987.4
62.5°	6176.6	6149.7	6356.9	6867.1	7699.6	8037.2	7128.0	6518.0	6119.0	5919.5	5965.6
65°	3283.9	3406.7	3491.1	3809.5	4250.7	4607.5	4231.5	3966.8	3744.3	3579.3	3575.5
67.5°	2217.4	2202.1	2221.3	2294.2	2443.8	2543.5	2535.8	2401.6	2382.4	2351.7	2386.2
70°	1868.3	1860.6	1826.1	1826.1	1856.8	1879.8	1906.7	1922.0	1952.7	1991.1	1987.2
72.5°	1515.4	1496.2	1473.2	1461.7	1500.0	1511.5	1546.1	1561.4	1588.3	1584.4	1619.0
75°	1001.3	1001.3	1028.2	1058.8	1070.4	1093.4	1097.2	1143.2	1143.2	1150.9	1120.2
77.5°	560.1	544.8	563.9	594.6	621.5	663.7	705.9	740.4	759.6	751.9	751.9
80°	326.1	326.1	345.3	379.8	414.3	452.7	483.4	510.2	529.4	521.7	506.4
82.5°	203.3	203.3	222.5	257.0	283.9	306.9	349.1	383.6	406.7	399.0	379.8
85°	103.6	103.6	126.6	149.6	184.1	199.5	195.7	180.3	176.5	157.3	157.3
87.5°	26.9	26.9	38.4	42.2	34.5	38.4	38.4	38.4	38.4	38.4	42.2
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)