

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: P529811

Luminaire Tested: **GALN-SA5A-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529811
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA5A-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10879 lumens
Efficiency: N/A
Efficacy: 70.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

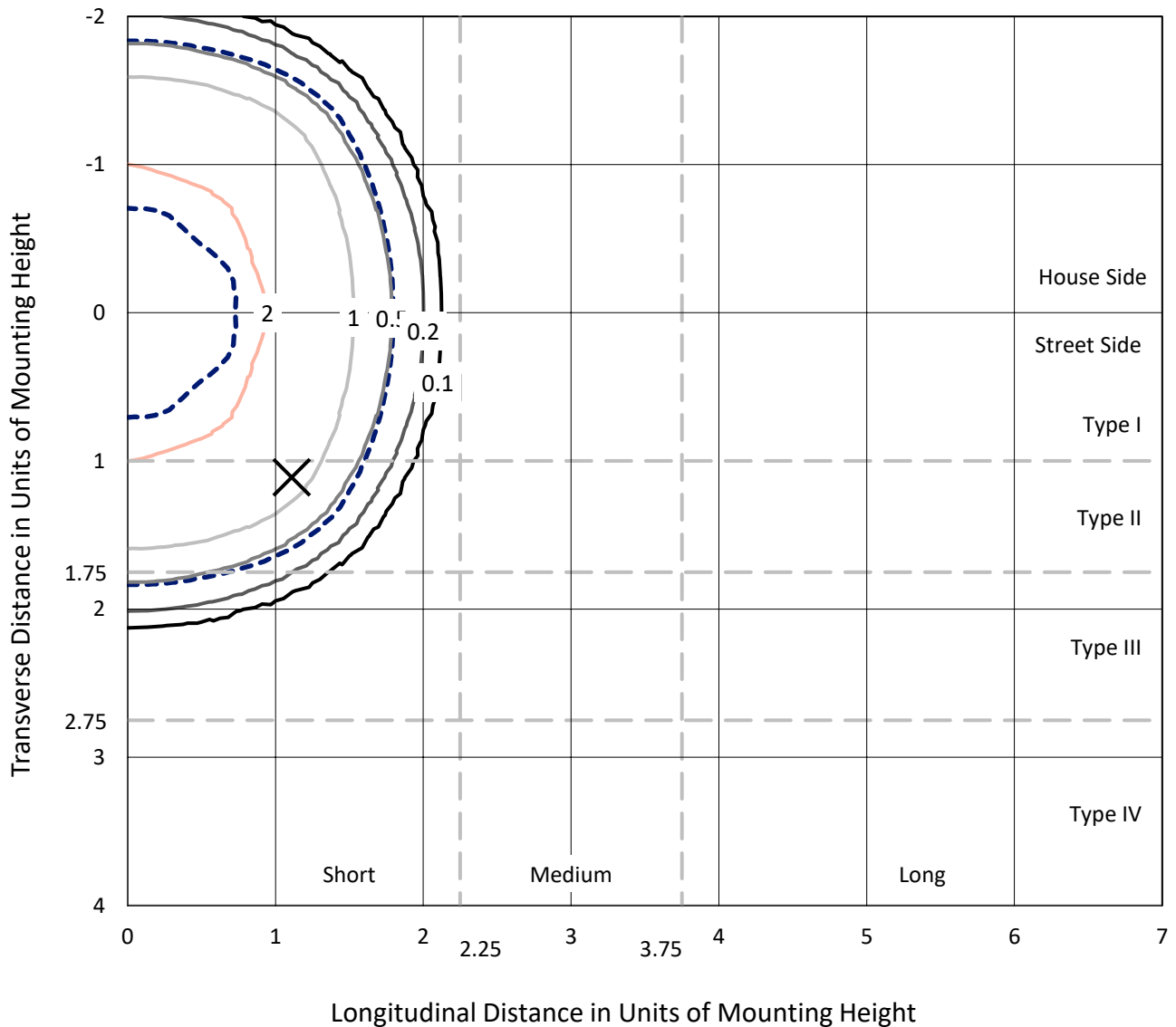
Input Watts (W): 154
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

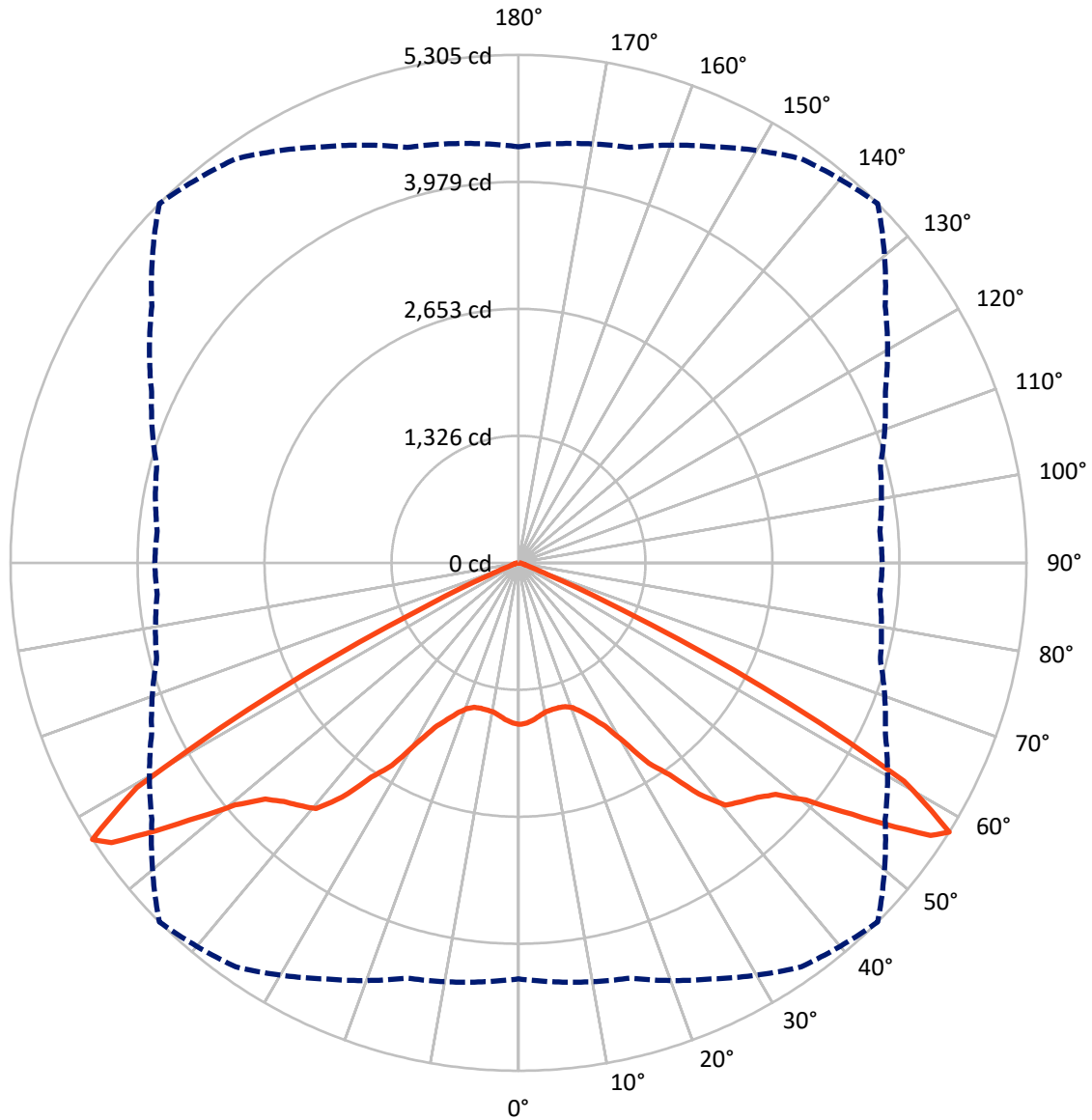
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2.7 fc
 Type V - Short - N/A

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CATALOG NUMBER: GALN-SA5A-730-U-5WQ-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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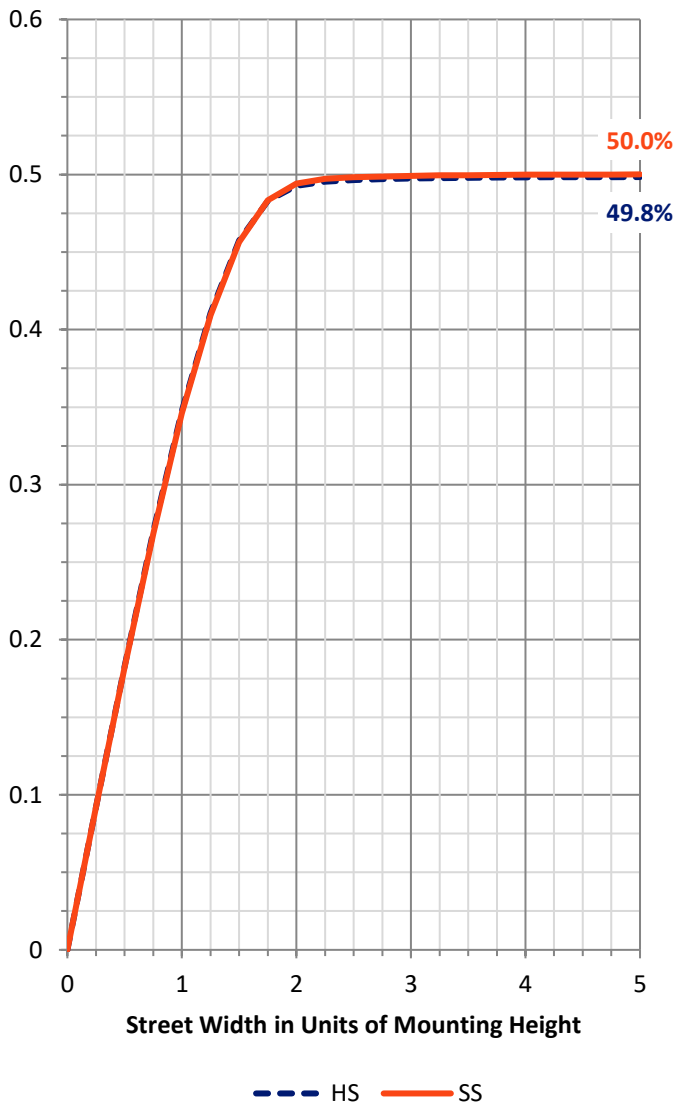
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5439.5	0.0	5439.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5439.5	0.0	5439.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	10879.0	0.0	10879.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.1	1.4
10°-20°	448.2	4.1
20°-30°	827.3	7.6
30°-40°	1627.1	15.0
40°-50°	2650.1	24.4
50°-60°	3779.3	34.7
60°-70°	1308.5	12.0
70°-80°	70.2	0.6
80°-90°	13.2	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°	10879.0	100.0
0°-180°	10879.0	100.0



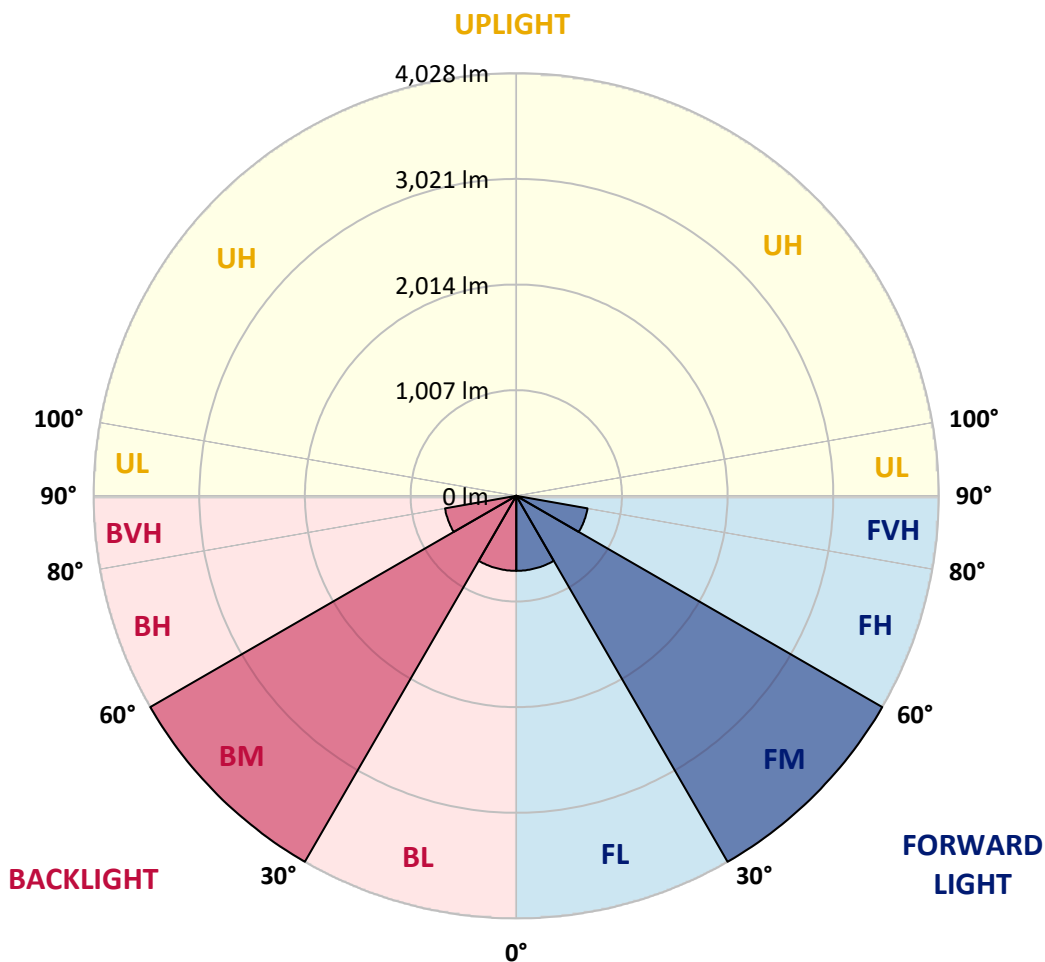
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 CATALOG NUMBER: GALN-SA5A-730-U-5WQ-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	715.3	6.6			
FM (30°-60°)	4028.3	37.0			
FH (60°-80°)	689.3	6.3			G1/1800
FVH (80°-90°)	6.6	0.1			G0/10
BL (0°-30°)	715.3	6.6	B2/1000		
BM (30°-60°)	4028.3	37.0	B3/5000		
BH (60°-80°)	689.3	6.3	B2/1000		G1/1800
BVH (80°-90°)	6.6	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4	1687.4
2.5°	1682.9	1692.0	1680.6	1676.1	1673.8	1673.8	1667.0	1667.0	1664.8	1667.0	1658.0
5°	1655.7	1664.8	1664.8	1662.5	1648.9	1646.6	1639.8	1635.3	1637.5	1628.5	1635.3
7.5°	1628.5	1635.3	1626.2	1623.9	1619.4	1610.3	1608.1	1587.7	1589.9	1589.9	1594.5
10°	1623.9	1621.7	1608.1	1596.7	1583.1	1580.8	1574.0	1569.5	1569.5	1567.2	1574.0
12.5°	1623.9	1612.6	1610.3	1585.4	1562.7	1571.8	1553.6	1542.3	1558.2	1562.7	1571.8
15°	1621.7	1633.0	1594.5	1583.1	1567.2	1569.5	1553.6	1542.3	1551.4	1555.9	1562.7
17.5°	1635.3	1628.5	1617.1	1594.5	1587.7	1578.6	1558.2	1549.1	1549.1	1560.4	1562.7
20°	1671.6	1653.4	1630.7	1619.4	1626.2	1614.9	1589.9	1555.9	1565.0	1574.0	1580.8
22.5°	1705.6	1692.0	1676.1	1669.3	1707.9	1689.7	1646.6	1608.1	1594.5	1610.3	1621.7
25°	1771.4	1771.4	1741.9	1751.0	1794.0	1796.3	1746.4	1678.4	1669.3	1676.1	1680.6
27.5°	1905.2	1912.0	1887.0	1896.1	1914.3	1930.1	1887.0	1830.3	1809.9	1807.7	1814.5
30°	2050.3	2063.9	2061.7	2100.2	2152.4	2161.5	2098.0	2005.0	1943.7	1932.4	1941.5
32.5°	2240.9	2247.7	2243.1	2288.5	2429.1	2494.9	2329.3	2197.8	2116.1	2136.5	2116.1
35°	2599.2	2592.4	2542.5	2551.6	2667.3	2714.9	2556.1	2472.2	2433.6	2474.5	2465.4
37.5°	2907.7	2882.7	2841.9	2900.9	3021.1	3064.2	2898.6	2751.2	2680.9	2748.9	2778.4
40°	3168.5	3105.0	3048.3	3107.3	3268.3	3327.3	3084.6	2964.4	2937.2	2987.1	3050.6
42.5°	3388.5	3347.7	3272.8	3277.4	3384.0	3411.2	3216.1	3145.8	3118.6	3198.0	3229.7
45°	3545.0	3506.4	3436.1	3431.6	3513.2	3495.1	3320.5	3272.8	3288.7	3340.9	3356.7
47.5°	3624.4	3644.8	3604.0	3615.3	3658.4	3615.3	3477.0	3477.0	3440.7	3472.4	3456.5
50°	3853.5	3790.0	3842.1	3842.1	3887.5	3892.0	3753.7	3703.8	3606.2	3551.8	3551.8
52.5°	4121.1	4125.6	4146.0	4220.9	4298.0	4363.8	4166.5	3953.3	3790.0	3719.6	3710.6
55°	4341.1	4386.5	4468.1	4608.7	4831.0	4921.7	4581.5	4200.5	4000.9	3892.0	3869.3
56°	4461.3	4418.2	4558.8	4751.6	5041.9	5159.9	4649.6	4250.4	4030.4	3907.9	3905.6
57.5°	4345.6	4393.3	4490.8	4794.7	5150.8	5305.0	4674.5	4227.7	3912.4	3787.7	3799.0
60°	3431.6	3477.0	3608.5	3948.7	4506.7	4626.9	3955.5	3486.0	3204.8	3025.6	3027.9
62.5°	1941.5	1975.5	2077.6	2392.8	2739.8	2855.5	2465.4	2152.4	1957.3	1857.6	1825.8
65°	714.4	700.8	716.7	877.7	1090.9	1188.5	1025.2	866.4	764.3	728.1	714.4
67.5°	267.6	247.2	231.3	247.2	310.7	328.9	301.7	251.8	235.9	242.7	247.2
70°	165.6	156.5	124.7	117.9	115.7	113.4	120.2	127.0	145.2	170.1	174.6
72.5°	115.7	108.9	88.5	83.9	79.4	77.1	88.5	97.5	113.4	131.5	133.8
75°	45.4	47.6	45.4	49.9	52.2	54.4	63.5	70.3	77.1	77.1	74.8
77.5°	9.1	9.1	13.6	18.1	22.7	29.5	43.1	49.9	52.2	49.9	43.1
80°	0.0	0.0	4.5	9.1	18.1	24.9	38.6	43.1	47.6	43.1	34.0
82.5°	0.0	0.0	4.5	11.3	18.1	22.7	36.3	45.4	52.2	47.6	36.3
85°	0.0	0.0	4.5	9.1	13.6	15.9	15.9	11.3	11.3	6.8	4.5
87.5°	0.0	0.0	0.0	0.0	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)