

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: P530284

Luminaire Tested: **GALN-SA5C-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530284
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-SA5C-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 70 CRI, 3000K, 1050mA 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: 28096 lumens
Efficiency: N/A
Efficacy: 104.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

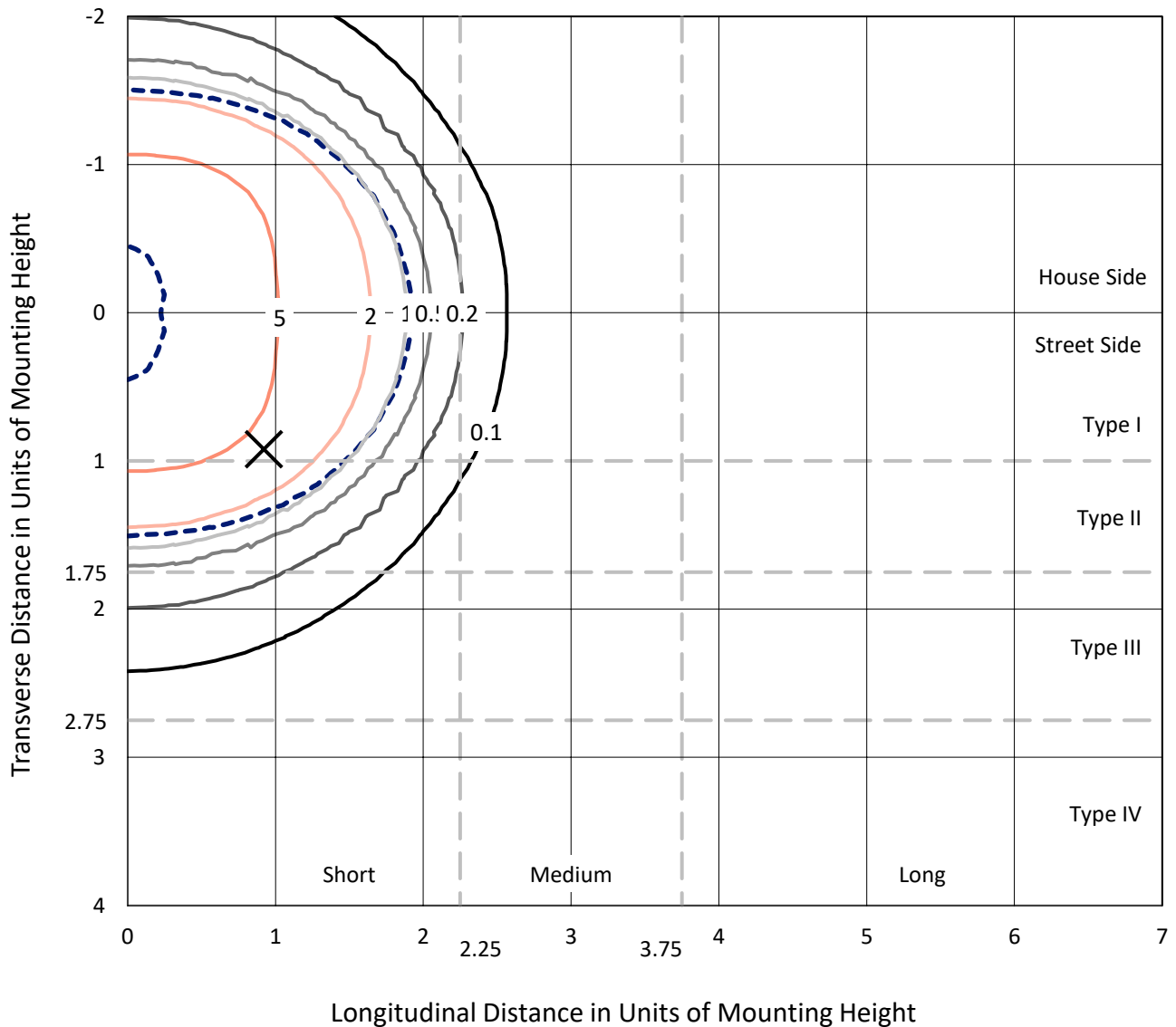
Input Watts (W): 269
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

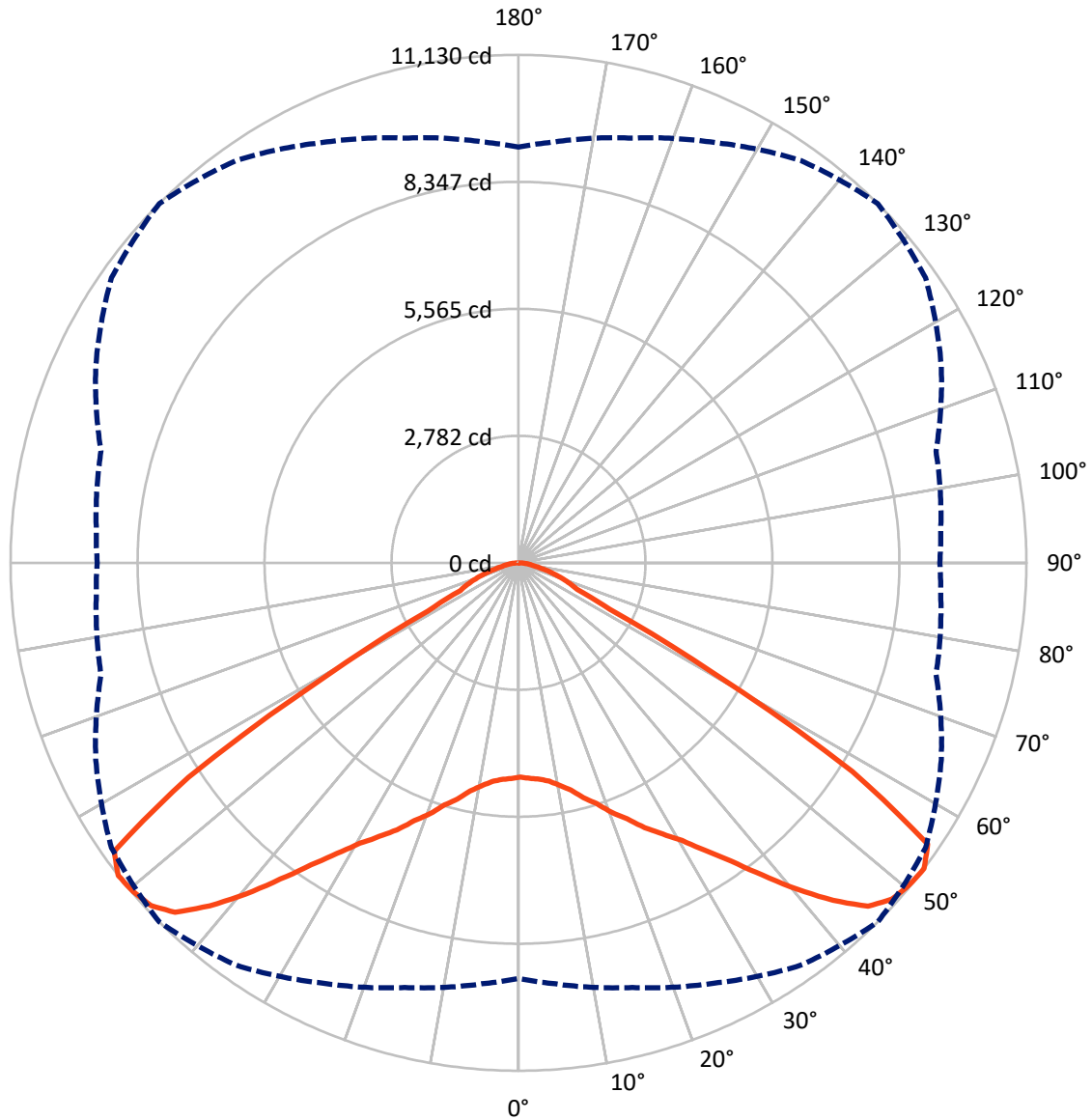
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8.3 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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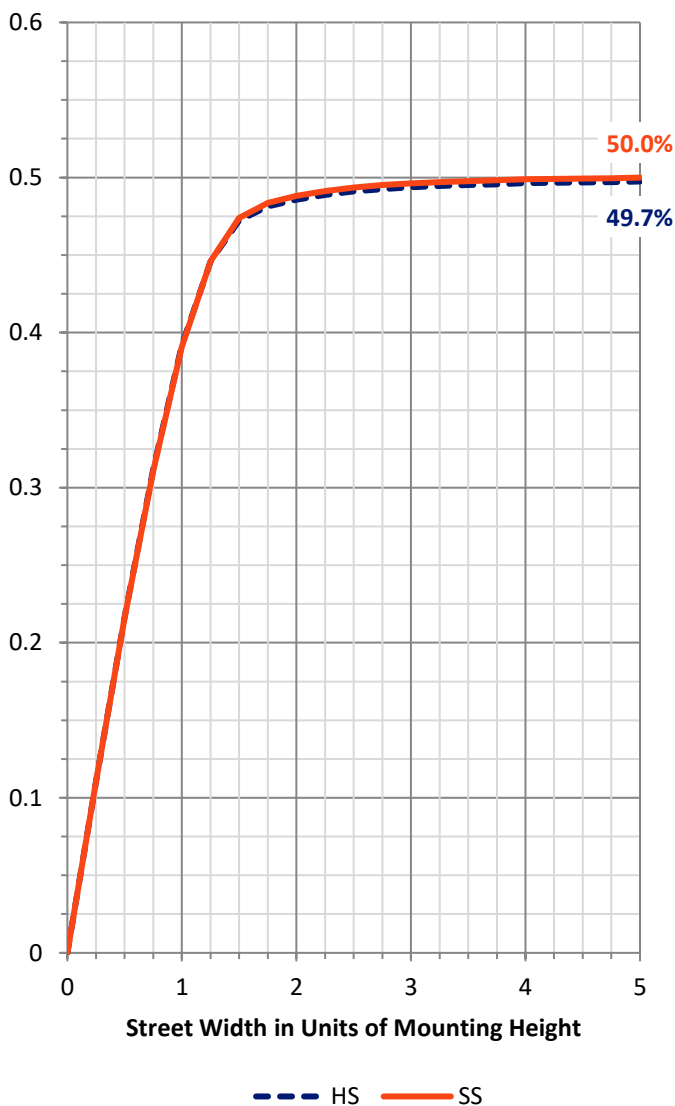
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14048.0	0.0	14048.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14048.0	0.0	14048.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	28096.0	0.0	28096.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	461.4	1.6
10°-20°	1516.2	5.4
20°-30°	2886.7	10.3
30°-40°	4956.6	17.6
40°-50°	7618.5	27.1
50°-60°	7736.4	27.5
60°-70°	2156.0	7.7
70°-80°	636.0	2.3
80°-90°	128.1	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°	28096.0	100.0
0°-180°	28096.0	100.0

Coefficient of Utilization



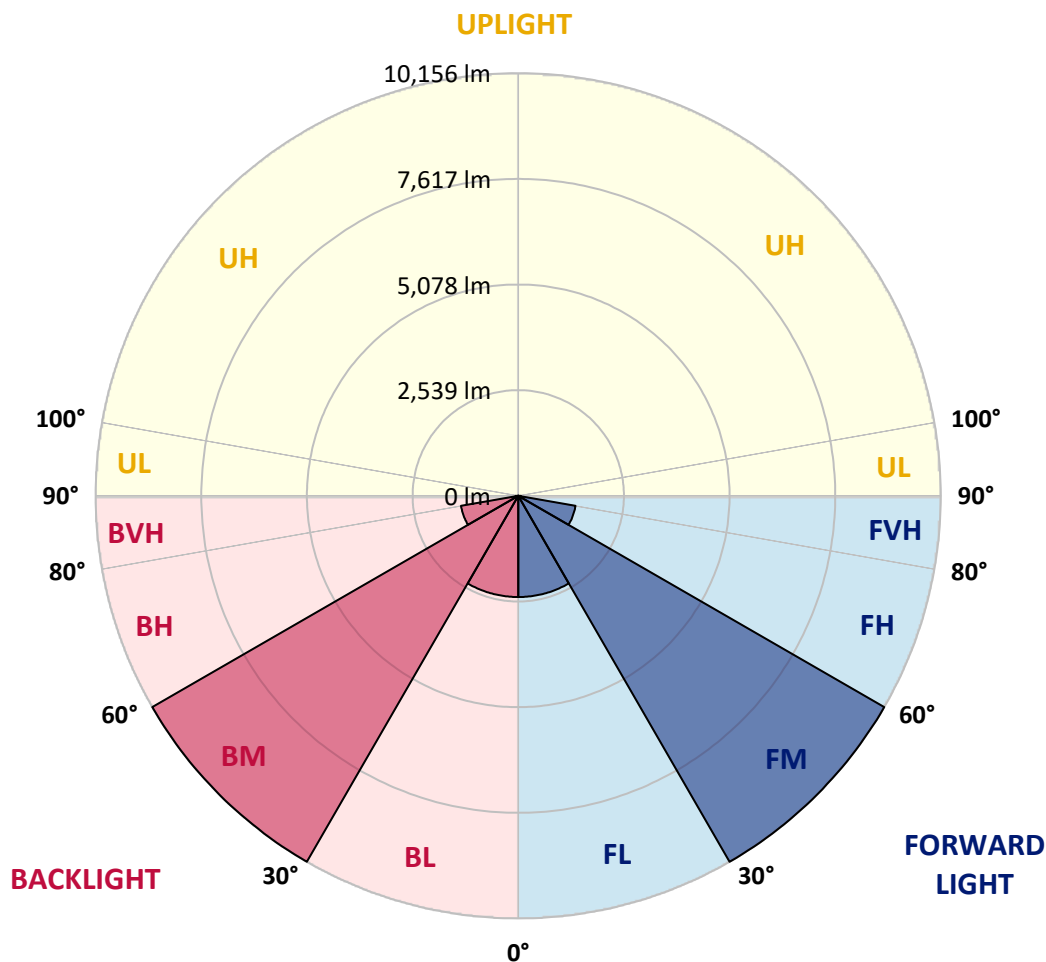
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2432.2	8.7			
FM (30°-60°)	10155.8	36.1			
FH (60°-80°)	1396.0	5.0			G1/1800
FVH (80°-90°)	64.1	0.2			G1/100
BL (0°-30°)	2432.2	8.7	B3/2500		
BM (30°-60°)	10155.8	36.1	B5		
BH (60°-80°)	1396.0	5.0	B3/2500		G1/1800
BVH (80°-90°)	64.1	0.2			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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6	4696.6
2.5°	4707.1	4658.3	4675.7	4686.2	4731.5	4728.0	4717.5	4731.5	4745.4	4748.9	4741.9
5°	4703.6	4668.7	4682.7	4693.1	4738.5	4762.9	4755.9	4815.2	4857.0	4846.5	4898.8
7.5°	4675.7	4696.6	4679.2	4731.5	4769.8	4829.1	4891.9	4947.7	5000.0	5059.2	5069.7
10°	4738.5	4738.5	4769.8	4811.7	4912.8	4958.1	5048.8	5129.0	5230.1	5299.8	5271.9
12.5°	4804.7	4815.2	4815.2	4923.3	5006.9	5108.1	5191.7	5299.8	5442.8	5526.5	5568.3
15°	4871.0	4877.9	4912.8	5059.2	5184.8	5345.1	5421.9	5519.5	5599.7	5756.6	5760.1
17.5°	4930.2	4968.6	5073.2	5237.1	5394.0	5547.4	5669.4	5770.5	5840.3	5903.0	5889.1
20°	5153.4	5181.3	5289.4	5453.2	5686.8	5836.8	5878.6	5896.0	5941.4	6066.9	6028.5
22.5°	5369.6	5380.0	5481.1	5732.2	5896.0	6094.8	6140.1	6129.7	6147.1	6178.5	6234.3
25°	5592.7	5610.1	5749.6	5962.3	6192.4	6429.5	6467.9	6387.7	6363.3	6398.1	6401.6
27.5°	5878.6	5882.1	6059.9	6244.7	6506.2	6729.4	6788.7	6725.9	6610.8	6638.7	6684.0
30°	6241.2	6216.8	6394.7	6659.6	6935.1	7060.6	7161.7	7130.3	7004.8	6980.4	6942.1
32.5°	6659.6	6666.6	6827.0	7116.4	7297.7	7506.9	7615.0	7562.7	7482.5	7440.7	7465.1
35°	7248.9	7280.3	7388.4	7629.0	7921.8	8026.4	8197.3	8085.7	7876.5	7928.8	7974.1
37.5°	7733.6	7824.2	8026.4	8312.3	8486.7	8678.5	8741.2	8591.3	8437.9	8375.1	8525.0
40°	8476.2	8448.3	8671.5	8957.4	9215.4	9407.2	9327.0	9177.1	8797.0	8800.5	8842.3
42.5°	9114.3	9128.2	9299.1	9640.8	9992.9	10111.5	9857.0	9490.9	9069.0	9023.6	9114.3
45°	9651.3	9707.0	9804.7	10261.4	10606.6	10735.6	10264.9	9832.6	9267.7	9079.4	9229.4
47.5°	9843.0	9933.7	10146.4	10564.8	10906.5	11011.1	10634.5	10013.9	9452.5	9145.7	9225.9
50°	9870.9	9839.5	10188.2	10571.7	10871.6	11098.2	10767.0	10146.4	9407.2	9246.8	9222.4
52.5°	9107.3	9260.7	9633.8	10160.3	10767.0	11129.6	10885.6	10219.6	9469.9	9288.6	9229.4
55°	7370.9	7189.6	7869.5	8755.2	9870.9	10878.6	10843.7	10257.9	9508.3	9358.4	9278.2
57.5°	4114.3	4166.6	4550.2	5512.5	6952.5	8626.2	9640.8	9853.5	9490.9	9403.7	9445.5
60°	1903.8	1921.2	2085.1	2534.8	3427.4	4891.9	6227.3	7583.6	8207.7	8333.3	8333.3
62.5°	1419.1	1412.1	1454.0	1534.2	1722.4	2248.9	3002.1	4079.5	4937.2	5536.9	5693.8
65°	1283.1	1279.6	1300.5	1328.4	1342.4	1415.6	1583.0	1914.2	2193.1	2353.5	2325.6
67.5°	1122.7	1119.2	1126.2	1143.6	1168.1	1206.4	1248.2	1318.0	1415.6	1408.6	1391.2
70°	906.5	906.5	917.0	931.0	958.8	1004.2	1053.0	1101.8	1185.5	1202.9	1199.4
72.5°	669.5	659.0	679.9	707.8	735.7	791.5	843.8	889.1	948.4	965.8	958.8
75°	425.4	432.4	446.3	477.7	526.5	564.8	620.6	659.0	697.3	711.3	714.8
77.5°	237.1	244.1	268.5	306.8	355.6	397.5	446.3	477.7	502.1	505.6	509.1
80°	143.0	146.4	170.8	205.7	247.6	292.9	331.2	362.6	383.5	373.1	369.6
82.5°	87.2	90.7	111.6	143.0	177.8	212.7	254.5	282.4	303.3	289.4	275.5
85°	45.3	48.8	66.2	87.2	115.1	132.5	132.5	118.5	115.1	108.1	104.6
87.5°	13.9	13.9	17.4	20.9	17.4	20.9	24.4	27.9	27.9	31.4	27.9
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)