

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: P530518

Luminaire Tested: **GALN-SA5D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P530518
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-SA5D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(5) 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: 30915 lumens
Efficiency: N/A
Efficacy: 100.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

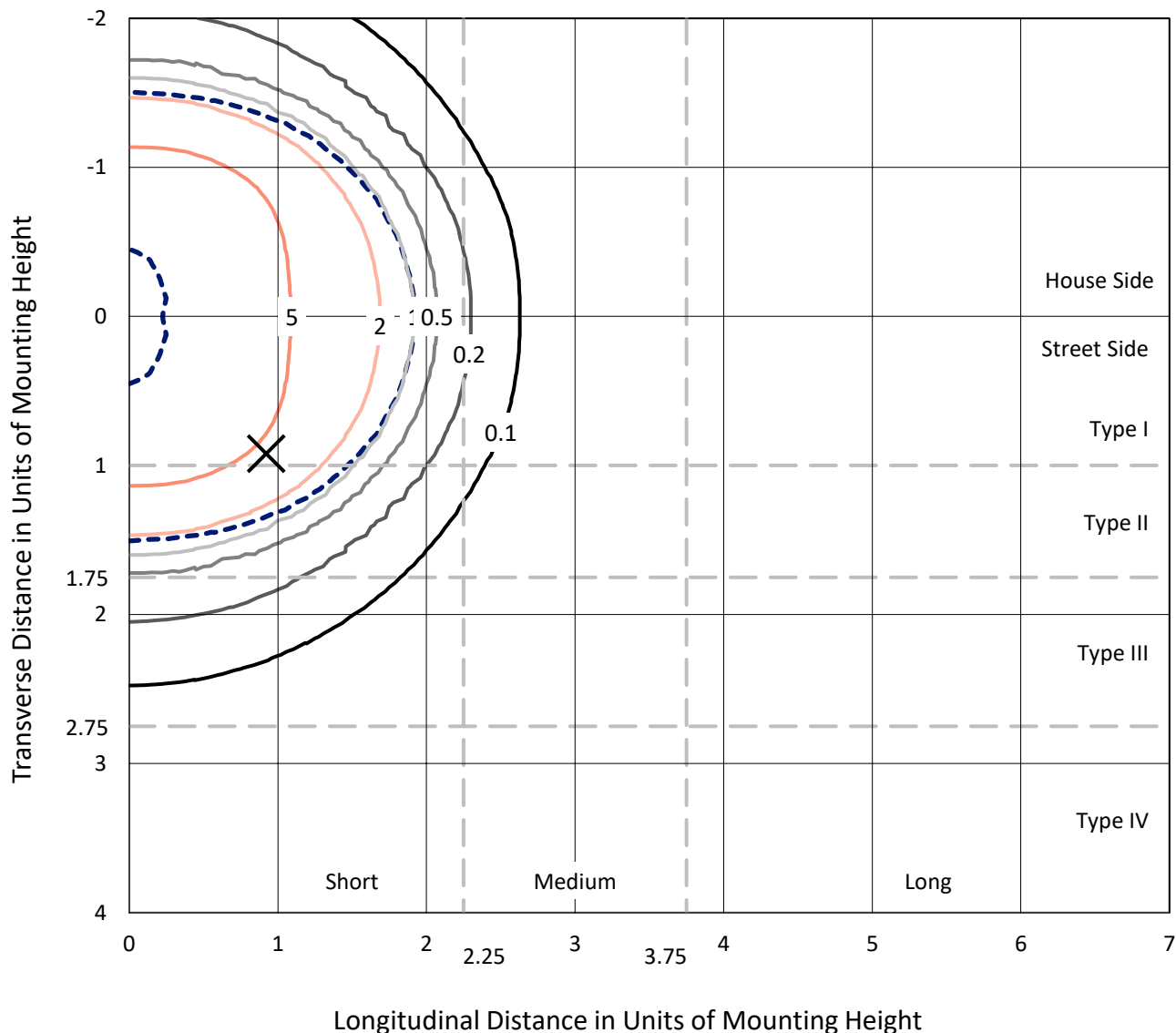
Input Watts (W): 309
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

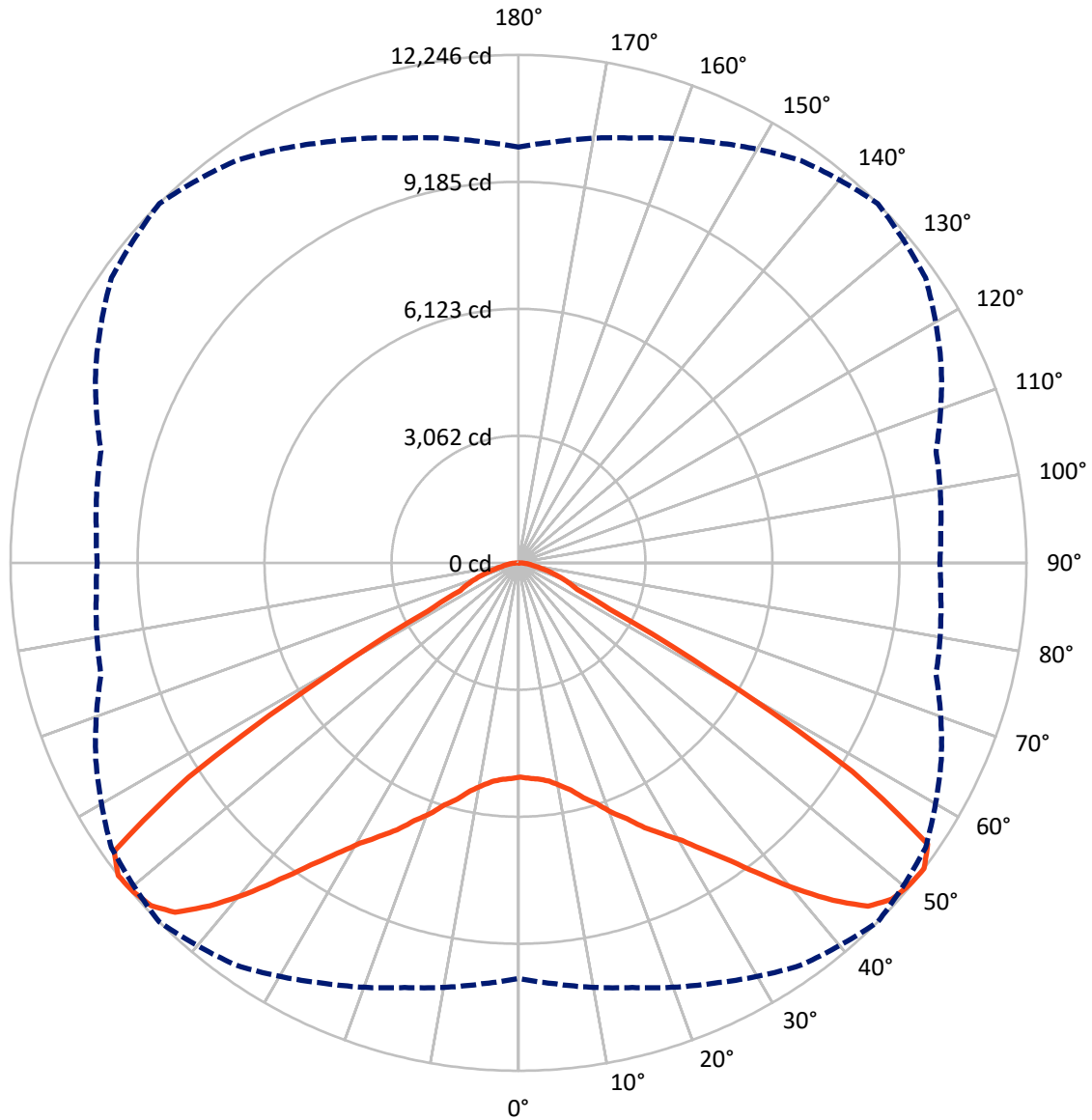
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.1 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	15457.5	0.0	15457.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	15457.5	0.0	15457.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	30915.0	0.0	30915.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	507.7	1.6
10°-20°	1668.4	5.4
20°-30°	3176.3	10.3
30°-40°	5453.9	17.6
40°-50°	8382.9	27.1
50°-60°	8512.6	27.5
60°-70°	2372.4	7.7
70°-80°	699.8	2.3
80°-90°	141.0	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°	30915.0	100.0
0°-180°	30915.0	100.0

Coefficient of Utilization



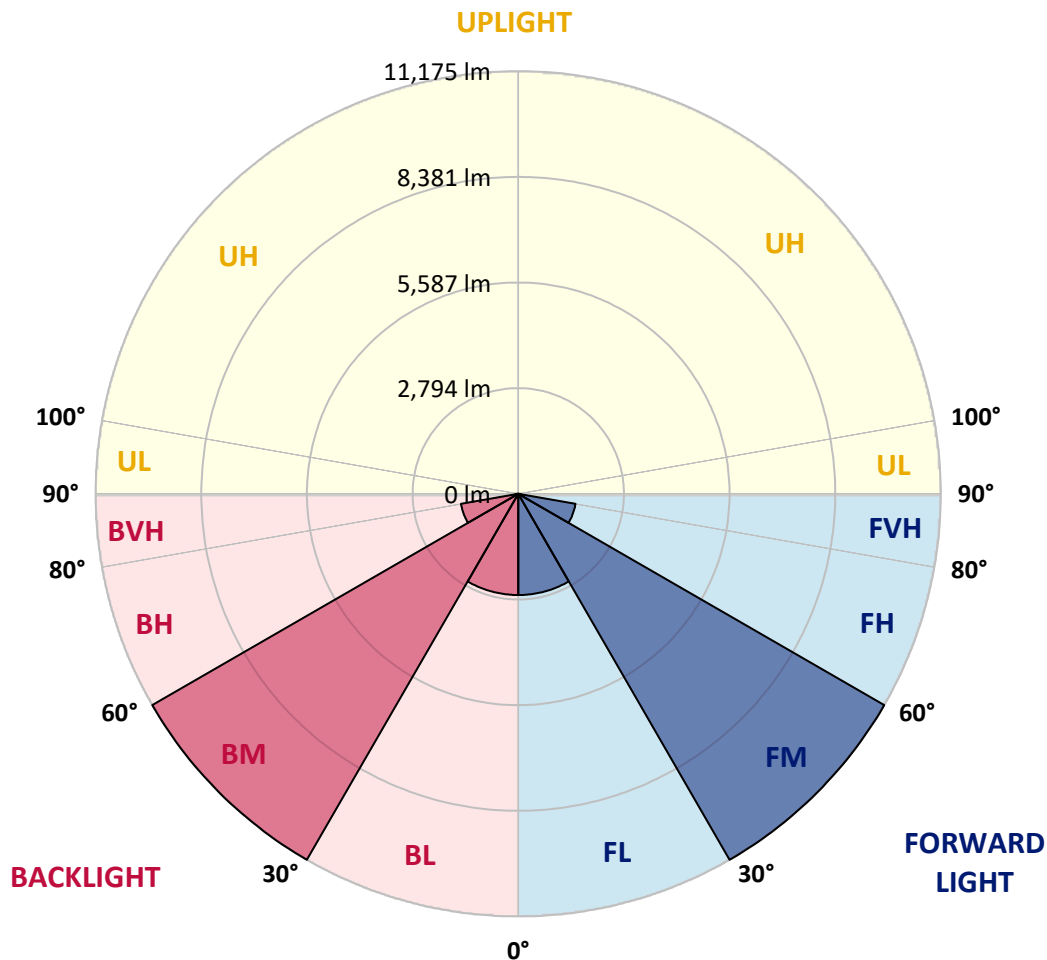
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2676.2	8.7			
FM (30°-60°)	11174.7	36.1			
FH (60°-80°)	1536.1	5.0			G1/1800
FVH (80°-90°)	70.5	0.2			G1/100
BL (0°-30°)	2676.2	8.7	B4/5000		
BM (30°-60°)	11174.7	36.1	B5		
BH (60°-80°)	1536.1	5.0	B3/2500		G1/1800
BVH (80°-90°)	70.5	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°	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8	5167.8
2.5°	5179.4	5125.6	5144.8	5156.3	5206.2	5202.4	5190.9	5206.2	5221.6	5225.4	5217.7
5°	5175.5	5137.2	5152.5	5164.0	5213.9	5240.7	5233.1	5298.3	5344.3	5332.8	5390.4
7.5°	5144.8	5167.8	5148.7	5206.2	5248.4	5313.6	5382.7	5444.1	5501.6	5566.9	5578.4
10°	5213.9	5213.9	5248.4	5294.5	5405.7	5455.6	5555.3	5643.6	5754.8	5831.6	5800.9
12.5°	5286.8	5298.3	5298.3	5417.2	5509.3	5620.6	5712.6	5831.6	5988.9	6081.0	6127.0
15°	5359.7	5367.4	5405.7	5566.9	5705.0	5881.5	5965.9	6073.3	6161.5	6334.2	6338.0
17.5°	5424.9	5467.1	5582.2	5762.5	5935.2	6104.0	6238.3	6349.5	6426.2	6495.3	6480.0
20°	5670.4	5701.1	5820.1	6000.4	6257.4	6422.4	6468.4	6487.6	6537.5	6675.6	6633.4
22.5°	5908.3	5919.8	6031.1	6307.3	6487.6	6706.3	6756.2	6744.7	6763.9	6798.4	6859.8
25°	6153.8	6173.0	6326.5	6560.5	6813.7	7074.6	7116.8	7028.6	7001.7	7040.1	7043.9
27.5°	6468.4	6472.3	6667.9	6871.3	7159.0	7404.6	7469.8	7400.7	7274.1	7304.8	7354.7
30°	6867.4	6840.6	7036.3	7327.8	7630.9	7769.0	7880.3	7845.8	7707.7	7680.8	7638.6
32.5°	7327.8	7335.5	7512.0	7830.4	8029.9	8260.1	8379.1	8321.5	8233.3	8187.2	8214.1
35°	7976.2	8010.7	8129.7	8394.4	8716.7	8831.8	9019.8	8897.0	8666.8	8724.3	8774.2
37.5°	8509.5	8609.2	8831.8	9146.4	9338.2	9549.2	9618.3	9453.3	9284.5	9215.4	9380.4
40°	9326.7	9296.0	9541.5	9856.1	10140.0	10351.0	10262.8	10097.8	9679.6	9683.5	9729.5
42.5°	10028.8	10044.1	10232.1	10608.1	10995.6	11126.0	10846.0	10443.1	9978.9	9929.0	10028.8
45°	10619.6	10681.0	10788.4	11291.0	11670.8	11812.8	11294.8	10819.1	10197.6	9990.4	10155.4
47.5°	10830.6	10930.4	11164.4	11624.8	12000.8	12115.9	11701.5	11018.6	10400.9	10063.3	10151.5
50°	10861.3	10826.8	11210.4	11632.5	11962.4	12211.8	11847.3	11164.4	10351.0	10174.6	10147.7
52.5°	10021.1	10189.9	10600.4	11179.7	11847.3	12246.3	11977.7	11245.0	10420.1	10220.6	10155.4
55°	8110.5	7911.0	8659.1	9633.6	10861.3	11970.1	11931.7	11287.2	10462.3	10297.3	10209.1
57.5°	4527.1	4584.7	5006.7	6065.6	7650.1	9491.7	10608.1	10842.1	10443.1	10347.2	10393.2
60°	2094.8	2113.9	2294.3	2789.2	3771.3	5382.7	6852.1	8344.5	9031.3	9169.4	9169.4
62.5°	1561.5	1553.8	1599.8	1688.1	1895.3	2474.6	3303.3	4488.8	5432.6	6092.5	6265.1
65°	1411.9	1408.0	1431.0	1461.7	1477.1	1557.6	1741.8	2106.3	2413.2	2589.7	2559.0
67.5°	1235.4	1231.5	1239.2	1258.4	1285.2	1327.5	1373.5	1450.2	1557.6	1550.0	1530.8
70°	997.5	997.5	1009.0	1024.4	1055.1	1104.9	1158.6	1212.4	1304.4	1323.6	1319.8
72.5°	736.6	725.1	748.1	778.8	809.5	870.9	928.4	978.3	1043.5	1062.7	1055.1
75°	468.1	475.7	491.1	525.6	579.3	621.5	682.9	725.1	767.3	782.7	786.5
77.5°	260.9	268.6	295.4	337.6	391.3	437.4	491.1	525.6	552.5	556.3	560.1
80°	157.3	161.1	188.0	226.4	272.4	322.3	364.5	399.0	422.0	410.5	406.7
82.5°	95.9	99.8	122.8	157.3	195.7	234.0	280.1	310.8	333.8	318.4	303.1
85°	49.9	53.7	72.9	95.9	126.6	145.8	145.8	130.4	126.6	118.9	115.1
87.5°	15.3	15.3	19.2	23.0	19.2	23.0	26.9	30.7	30.7	34.5	30.7
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)