

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: P534258

Luminaire Tested: **GALN-SA9D-730-U-5WQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534258
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-SA9D-730-U-5WQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 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: 54185 lumens
Efficiency: N/A
Efficacy: 98.2 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G3

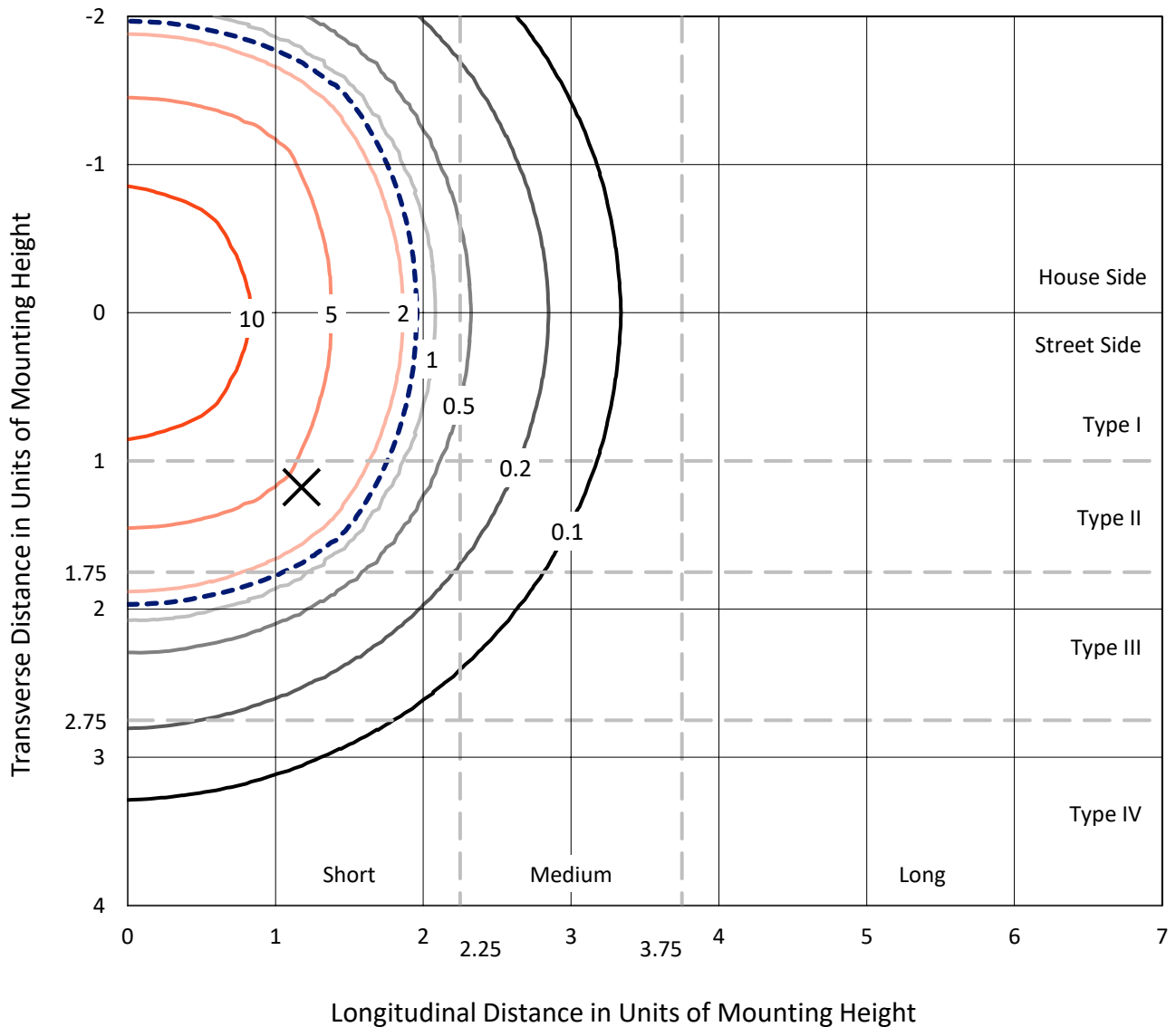
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534258
 CATALOG NUMBER: GALN-SA9D-730-U-5WQ-GRSWH

Iso-Footcandle Lines of Horizontal Illumination

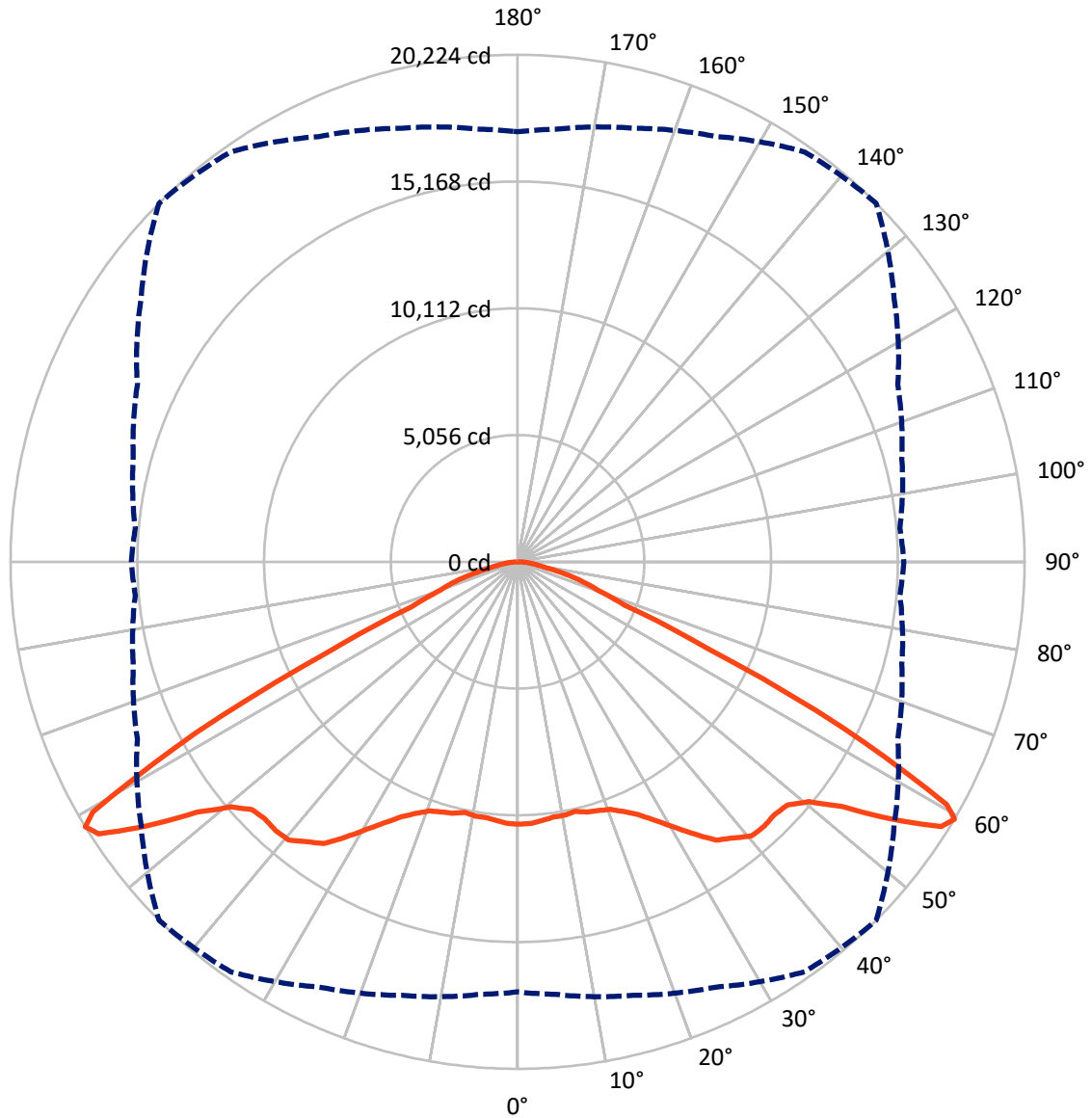
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.7 fc
 Type V - Short - N/A

REPORT NUMBER: P534258
CATALOG NUMBER: GALN-SA9D-730-U-5WQ-GRSWH

Luminous Intensity Polar Plot



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

REPORT NUMBER: P534258
 CATALOG NUMBER: GALN-SA9D-730-U-5WQ-GRSWH

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	27092.5	0.0	27092.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	27092.5	0.0	27092.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	54185.0	0.0	54185.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	986.6	1.8
10°-20°	2934.0	5.4
20°-30°	5123.1	9.5
30°-40°	8182.3	15.1
40°-50°	11145.9	20.6
50°-60°	15072.2	27.8
60°-70°	8265.7	15.3
70°-80°	2114.6	3.9
80°-90°	360.6	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°	54185.0	100.0
0°-180°	54185.0	100.0

Coefficient of Utilization



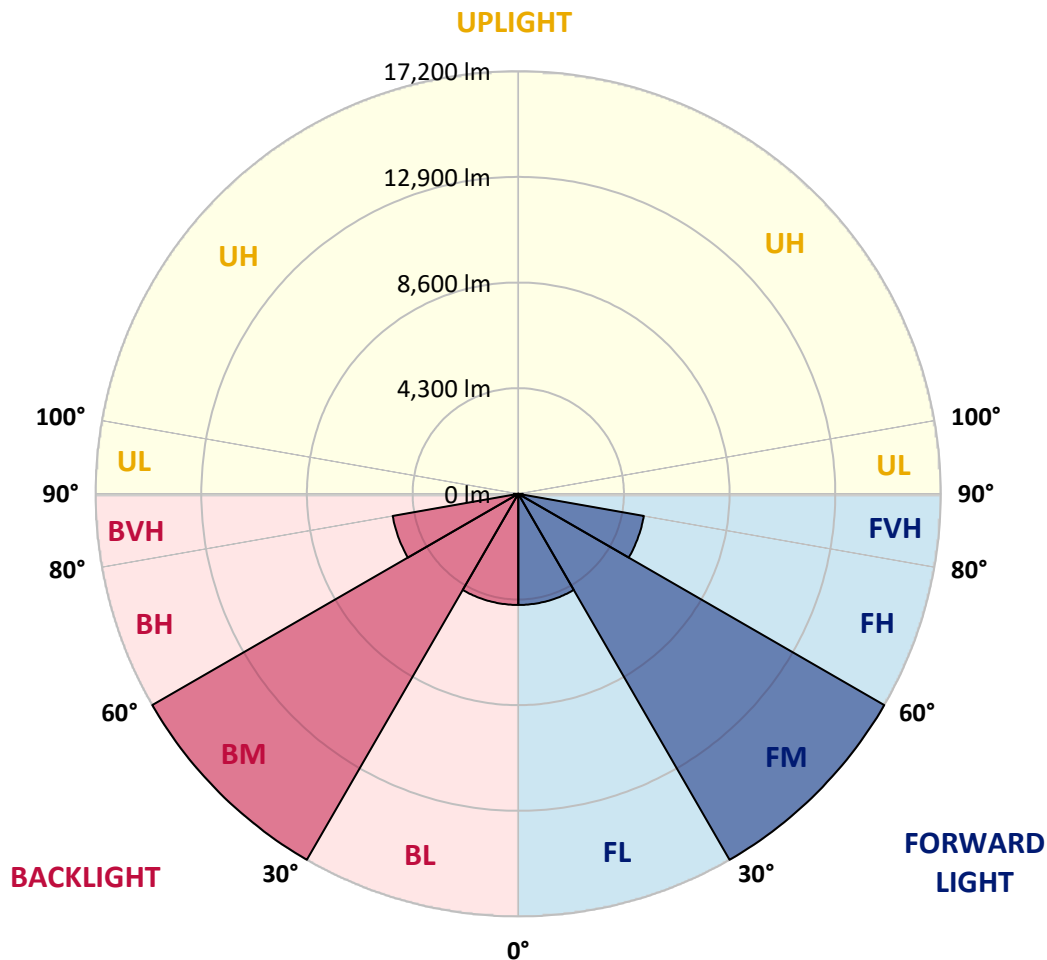
REPORT NUMBER: P534258
 CATALOG NUMBER: GALN-SA9D-730-U-5WQ-GRSWH

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4521.8	8.3			
FM (30°-60°)	17200.2	31.7			
FH (60°-80°)	5190.1	9.6			G3/7500
FVH (80°-90°)	180.3	0.3			G2/225
BL (0°-30°)	4521.8	8.3	B4/5000		
BM (30°-60°)	17200.2	31.7	B5		
BH (60°-80°)	5190.1	9.6	B5		G3/7500
BVH (80°-90°)	180.3	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G3

Type V Short





REPORT NUMBER: P534258

CATALOG NUMBER: GALN-SA9D-730-U-5WQ-GRSWH

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0	10466.0
2.5°	10403.4	10479.8	10424.3	10472.9	10466.0	10445.1	10410.4	10389.6	10361.8	10403.4	10334.0
5°	10361.8	10424.3	10486.8	10403.4	10403.4	10361.8	10340.9	10299.3	10299.3	10292.3	10285.4
7.5°	10431.2	10368.7	10340.9	10354.8	10368.7	10278.4	10340.9	10257.6	10188.2	10236.8	10292.3
10°	10368.7	10396.5	10292.3	10340.9	10264.5	10278.4	10236.8	10292.3	10215.9	10215.9	10215.9
12.5°	10431.2	10354.8	10389.6	10354.8	10334.0	10215.9	10271.5	10209.0	10202.0	10271.5	10209.0
15°	10556.2	10431.2	10403.4	10334.0	10354.8	10354.8	10299.3	10306.2	10229.8	10271.5	10285.4
17.5°	10514.6	10445.1	10424.3	10340.9	10410.4	10431.2	10327.1	10257.6	10306.2	10299.3	10292.3
20°	10549.3	10577.1	10556.2	10570.1	10597.9	10542.3	10445.1	10347.9	10285.4	10375.7	10368.7
22.5°	10771.5	10743.7	10729.9	10716.0	10764.6	10820.1	10688.2	10535.4	10535.4	10597.9	10625.7
25°	10952.1	10945.1	10938.2	11000.7	11167.4	11167.4	11000.7	10806.3	10757.6	10799.3	10764.6
27.5°	11216.0	11292.4	11264.6	11375.7	11618.8	11674.4	11452.1	11222.9	11091.0	11042.4	11104.9
30°	11820.2	11729.9	11750.8	11868.8	12084.1	12264.7	11924.4	11681.3	11500.7	11493.8	11521.6
32.5°	12223.0	12292.5	12355.0	12466.1	12806.4	12945.3	12535.5	12139.7	12028.6	11966.0	11986.9
35°	13028.6	12966.1	12952.2	13063.3	13403.6	13632.8	13118.9	12771.7	12625.8	12764.7	12764.7
37.5°	13792.6	13618.9	13487.0	13632.8	13945.3	13973.1	13535.6	13348.1	13271.7	13431.4	13424.5
40°	14153.7	14139.8	13834.2	13917.6	14334.3	14375.9	13966.2	13743.9	13730.0	13938.4	14146.7
42.5°	14528.7	14396.8	14091.2	14146.7	14403.7	14417.6	14028.7	13966.2	14119.0	14320.4	14334.3
45°	14591.2	14480.1	14285.6	14146.7	14334.3	14375.9	14146.7	14188.4	14202.3	14445.4	14445.4
47.5°	14716.2	14702.3	14591.2	14487.0	14521.8	14487.0	14341.2	14403.7	14612.1	14730.1	14674.6
50°	15063.5	14917.6	15028.7	14938.5	14945.4	15042.6	14910.7	14973.2	14931.5	14827.3	14757.9
52.5°	15827.4	15758.0	15855.2	15917.7	15987.1	16209.4	16056.6	15723.2	15410.7	15132.9	15126.0
55°	16945.5	16994.1	17181.7	17501.1	17772.0	18126.2	17390.0	16591.3	16091.3	15653.8	15681.6
57.5°	18001.2	17966.4	18223.4	18952.6	19744.3	19924.9	18480.4	17341.4	16528.8	16251.0	16133.0
59°	17153.9	17320.6	17903.9	18716.5	19959.6	20223.5	18334.5	16730.2	15869.1	15306.5	15403.8
60°	15820.5	15883.0	16403.8	17535.8	19216.5	19667.9	17355.3	15785.7	14639.8	14313.4	14459.3
62.5°	11181.3	11132.7	11507.7	12431.4	13938.4	14549.5	12903.6	11799.4	11077.1	10716.0	10799.3
65°	5944.8	6167.1	6319.9	6896.3	7694.9	8340.8	7660.2	7181.0	6778.2	6479.6	6472.6
67.5°	4014.1	3986.4	4021.1	4153.0	4423.9	4604.5	4590.6	4347.5	4312.8	4257.2	4319.7
70°	3382.2	3368.3	3305.8	3305.8	3361.3	3403.0	3451.6	3479.4	3534.9	3604.4	3597.5
72.5°	2743.2	2708.5	2666.8	2646.0	2715.5	2736.3	2798.8	2826.6	2875.2	2868.2	2930.7
75°	1812.6	1812.6	1861.2	1916.8	1937.6	1979.3	1986.2	2069.6	2069.6	2083.5	2027.9
77.5°	1014.0	986.2	1020.9	1076.5	1125.1	1201.5	1277.9	1340.4	1375.1	1361.2	1361.2
80°	590.3	590.3	625.0	687.5	750.0	819.5	875.1	923.7	958.4	944.5	916.7
82.5°	368.1	368.1	402.8	465.3	513.9	555.6	632.0	694.5	736.2	722.3	687.5
85°	187.5	187.5	229.2	270.9	333.4	361.1	354.2	326.4	319.5	284.7	284.7
87.5°	48.6	48.6	69.4	76.4	62.5	69.4	69.4	69.4	69.4	69.4	76.4
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)