

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: P534261

Luminaire Tested: **GALN-SA9D-730-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534261
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-7)
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-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41275 lumens
Efficiency: N/A
Efficacy: 74.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

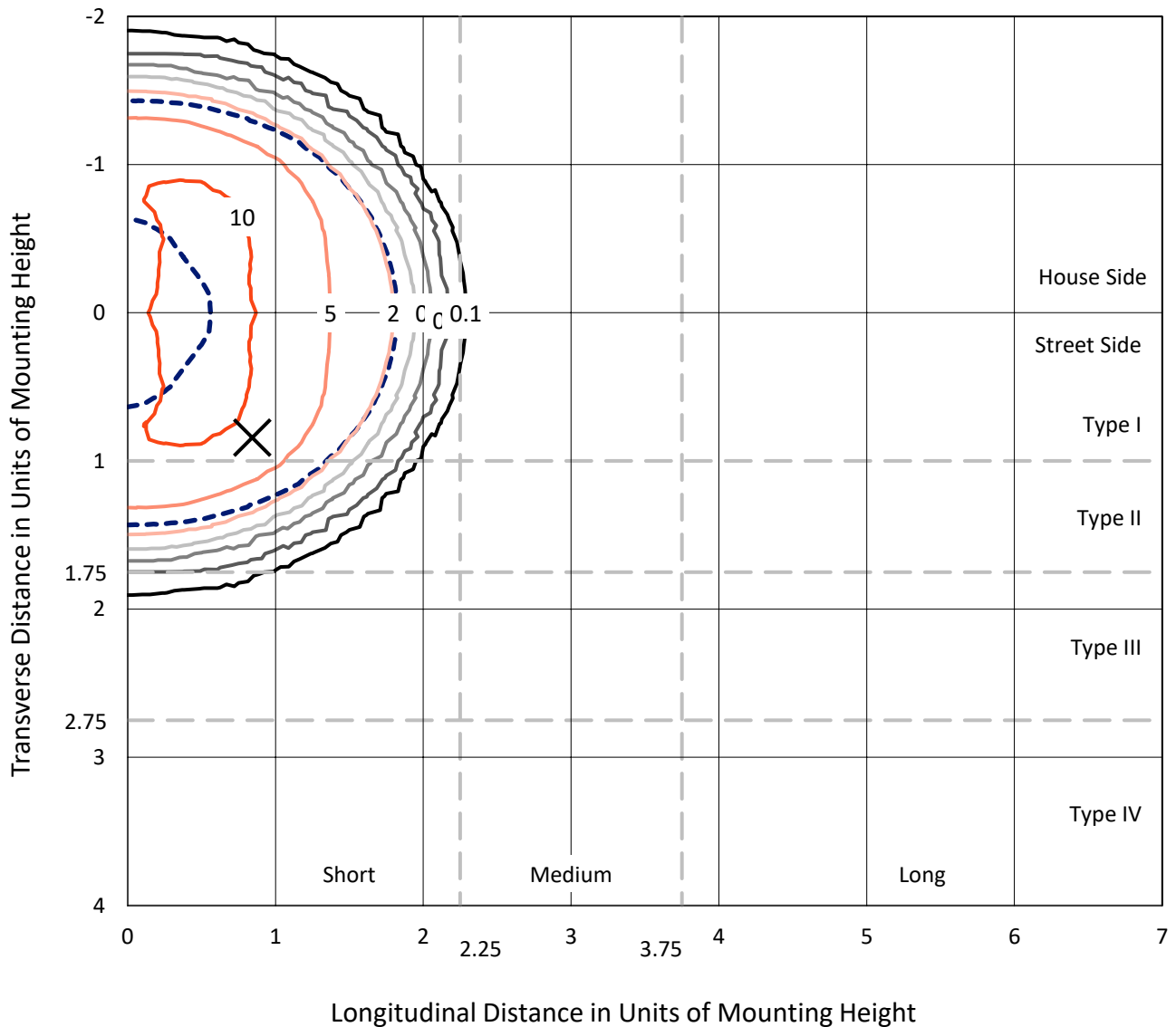
Input Watts (W): 552
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P534261
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Iso-Footcandle Lines of Horizontal Illumination

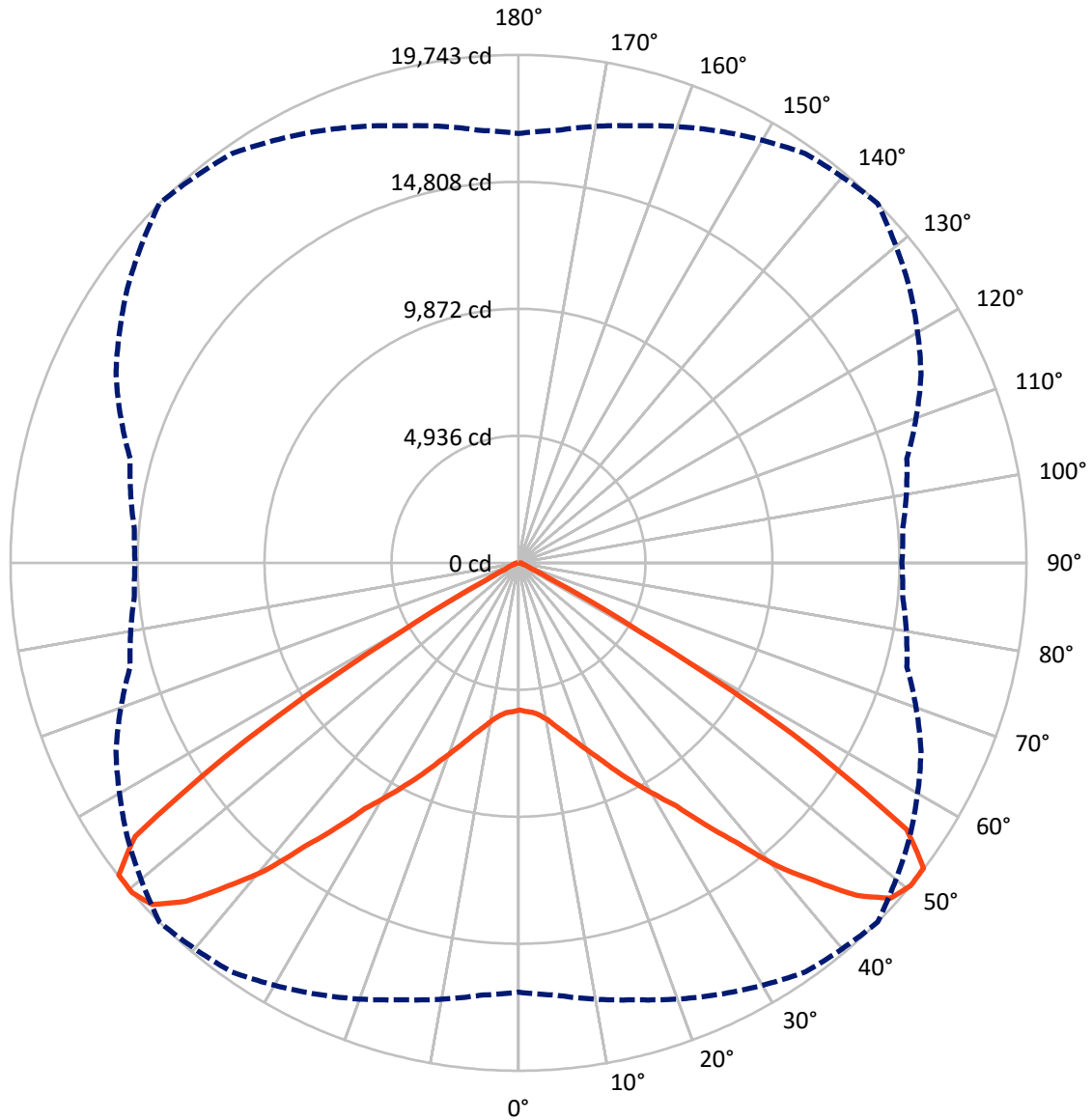
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11 fc
 Type V - Short - N/A

REPORT NUMBER: P534261
CATALOG NUMBER: GALN-SA9D-730-U-RW-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 50-Deg Vertical

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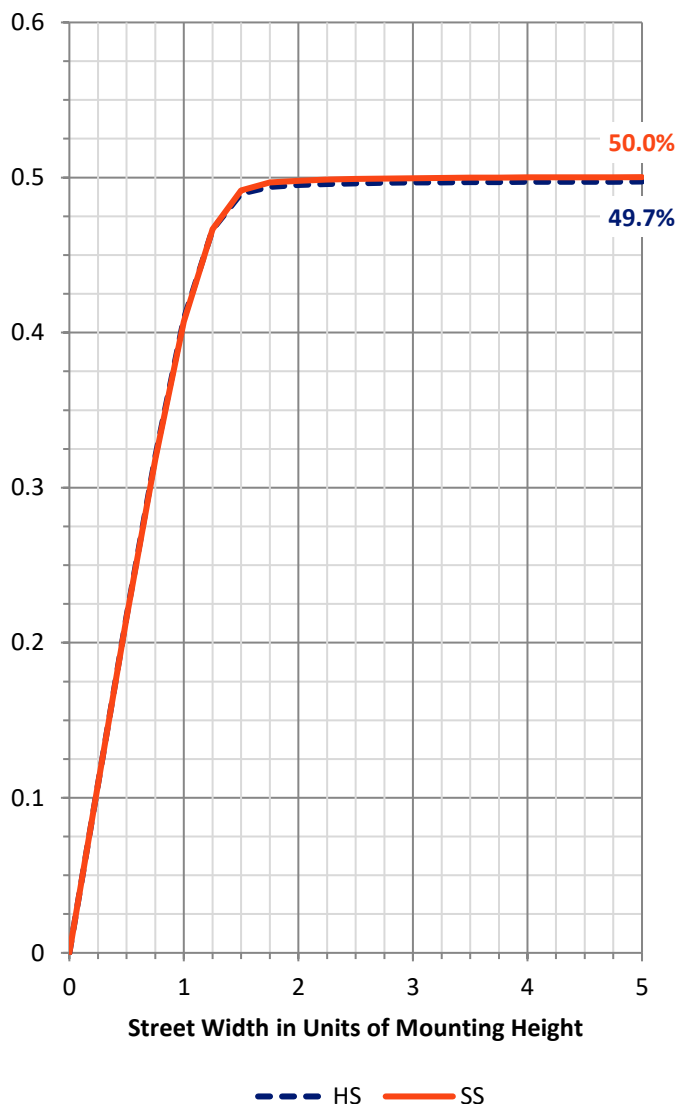
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	20637.5	0.0	20637.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	20637.5	0.0	20637.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	41275.0	0.0	41275.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	569.3	1.4
10°-20°	1962.1	4.8
20°-30°	4007.4	9.7
30°-40°	7642.0	18.5
40°-50°	12877.9	31.2
50°-60°	12281.4	29.8
60°-70°	1714.4	4.2
70°-80°	164.0	0.4
80°-90°	56.6	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°	41275.0	100.0
0°-180°	41275.0	100.0

Coefficient of Utilization



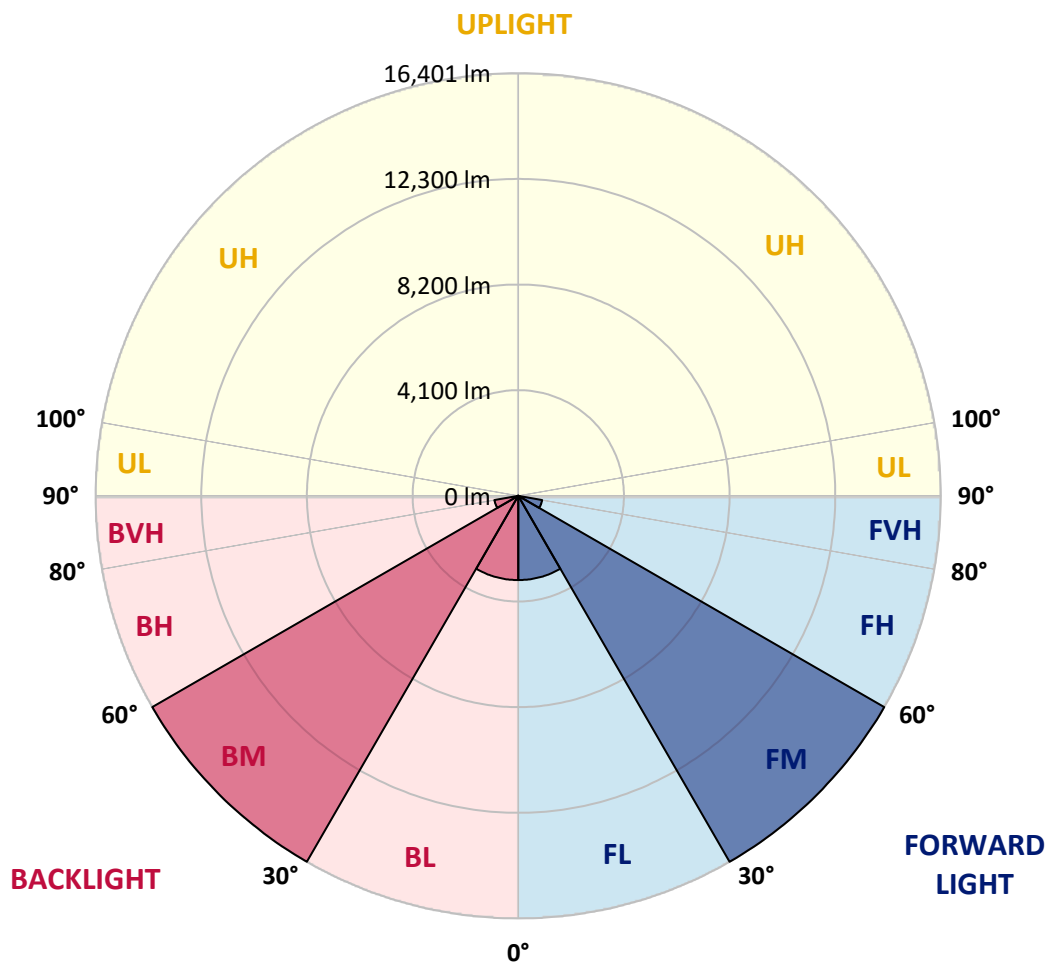
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 CATALOG NUMBER: GALN-SA9D-730-U-RW-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3269.4	7.9			
FM (30°-60°)	16400.6	39.7			
FH (60°-80°)	939.2	2.3			G1/1800
FVH (80°-90°)	28.3	0.1			G1/100
BL (0°-30°)	3269.4	7.9	B4/5000		
BM (30°-60°)	16400.6	39.7	B5		
BH (60°-80°)	939.2	2.3	B2/1000		G1/1800
BVH (80°-90°)	28.3	0.1			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°	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3	5722.3
2.5°	5701.5	5701.5	5694.5	5750.1	5722.3	5784.8	5777.9	5798.7	5819.5	5812.6	5868.2
5°	5652.9	5645.9	5645.9	5708.4	5770.9	5840.4	5902.9	5944.6	6014.0	6014.0	6083.4
7.5°	5701.5	5666.8	5715.4	5743.2	5861.2	5979.3	6083.4	6166.8	6326.5	6382.1	6361.2
10°	5715.4	5757.0	5791.8	5875.1	6020.9	6201.5	6291.8	6500.1	6680.7	6805.7	6833.5
12.5°	5805.7	5868.2	5965.4	6166.8	6298.7	6534.8	6659.8	6861.2	7111.2	7250.1	7347.4
15°	5979.3	6000.1	6125.1	6382.1	6666.8	6882.1	7076.5	7222.4	7465.4	7625.1	7632.1
17.5°	6201.5	6291.8	6465.4	6708.5	7007.1	7326.5	7479.3	7639.0	7729.3	7944.6	7993.2
20°	6646.0	6659.8	6826.5	7146.0	7521.0	7812.6	7923.8	8007.1	7972.4	8194.6	8236.3
22.5°	7062.6	7076.5	7284.9	7715.4	8118.2	8368.2	8416.8	8368.2	8264.0	8423.8	8437.7
25°	7486.2	7611.2	7764.0	8194.6	8694.6	9027.9	9034.9	8902.9	8687.7	8715.4	8784.9
27.5°	8146.0	8236.3	8396.0	8791.8	9340.4	9715.5	9653.0	9493.2	9215.4	9236.3	9215.4
30°	8916.8	9000.2	9132.1	9639.1	10041.8	10451.6	10541.9	10389.1	9972.4	9882.1	9986.3
32.5°	9847.4	9965.5	10208.5	10673.8	11014.1	11264.1	11326.6	11271.0	10882.1	10847.4	10916.9
35°	10979.4	11139.1	11361.3	11771.0	12048.8	12500.2	12500.2	12312.7	11958.5	12000.2	11993.3
37.5°	12173.8	12409.9	12757.2	13173.8	13548.9	13791.9	13715.5	13555.8	13201.6	13111.3	13201.6
40°	13673.9	13791.9	14229.4	14771.1	15229.4	15507.2	15180.8	14833.6	13986.4	14118.3	14361.4
42.5°	15041.9	15229.4	15562.8	16160.0	16680.9	16910.0	16521.1	15833.6	14812.8	14708.6	14889.2
45°	16208.6	16410.0	16847.5	17701.7	18250.3	18451.7	17590.6	16479.5	15312.8	15048.9	15125.3
47.5°	16986.4	17090.6	17701.7	18514.2	19014.2	19472.6	18236.4	16923.9	15548.9	15048.9	15021.1
50°	16687.8	16868.4	17583.6	18507.3	19417.0	19743.4	18562.8	17264.2	15625.3	14986.4	14903.0
52.5°	14819.7	15132.2	15930.8	17173.9	18548.9	19715.6	19014.2	17153.1	15597.5	15048.9	15173.9
55°	10312.7	10319.6	11291.9	13125.2	15555.8	18305.9	18354.5	17278.1	15778.1	15437.8	15444.7
57.5°	4145.9	4354.2	5097.3	6937.6	9180.7	12569.7	14944.7	16028.1	15798.9	15715.6	15930.8
60°	1048.6	1055.6	1284.7	1958.4	3229.2	5389.0	7826.5	10590.5	12194.7	12743.3	12819.7
62.5°	534.7	541.7	597.2	694.5	882.0	1444.5	2569.5	4076.5	5798.7	6673.7	6902.9
65°	437.5	437.5	472.2	520.8	527.8	555.6	666.7	951.4	1382.0	1569.5	1590.3
67.5°	333.3	333.3	361.1	388.9	402.8	395.8	382.0	395.8	479.2	458.3	444.5
70°	208.3	215.3	229.2	256.9	270.8	277.8	284.7	298.6	340.3	354.2	340.3
72.5°	125.0	125.0	131.9	152.8	173.6	187.5	208.3	222.2	243.1	277.8	270.8
75°	55.6	55.6	69.4	90.3	111.1	131.9	152.8	173.6	187.5	208.3	215.3
77.5°	13.9	20.8	34.7	62.5	83.3	111.1	138.9	159.7	173.6	173.6	166.7
80°	6.9	6.9	27.8	48.6	90.3	118.1	152.8	166.7	187.5	173.6	152.8
82.5°	6.9	6.9	27.8	48.6	83.3	118.1	159.7	180.6	194.4	173.6	145.8
85°	0.0	6.9	20.8	41.7	69.4	83.3	69.4	48.6	27.8	27.8	20.8
87.5°	0.0	0.0	6.9	6.9	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)