

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: P531531

Luminaire Tested: **GALN-SA6D-750-U-RW-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531531
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-SA6D-750-U-RW-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5000K, 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: 29645 lumens
Efficiency: N/A
Efficacy: 80.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G1

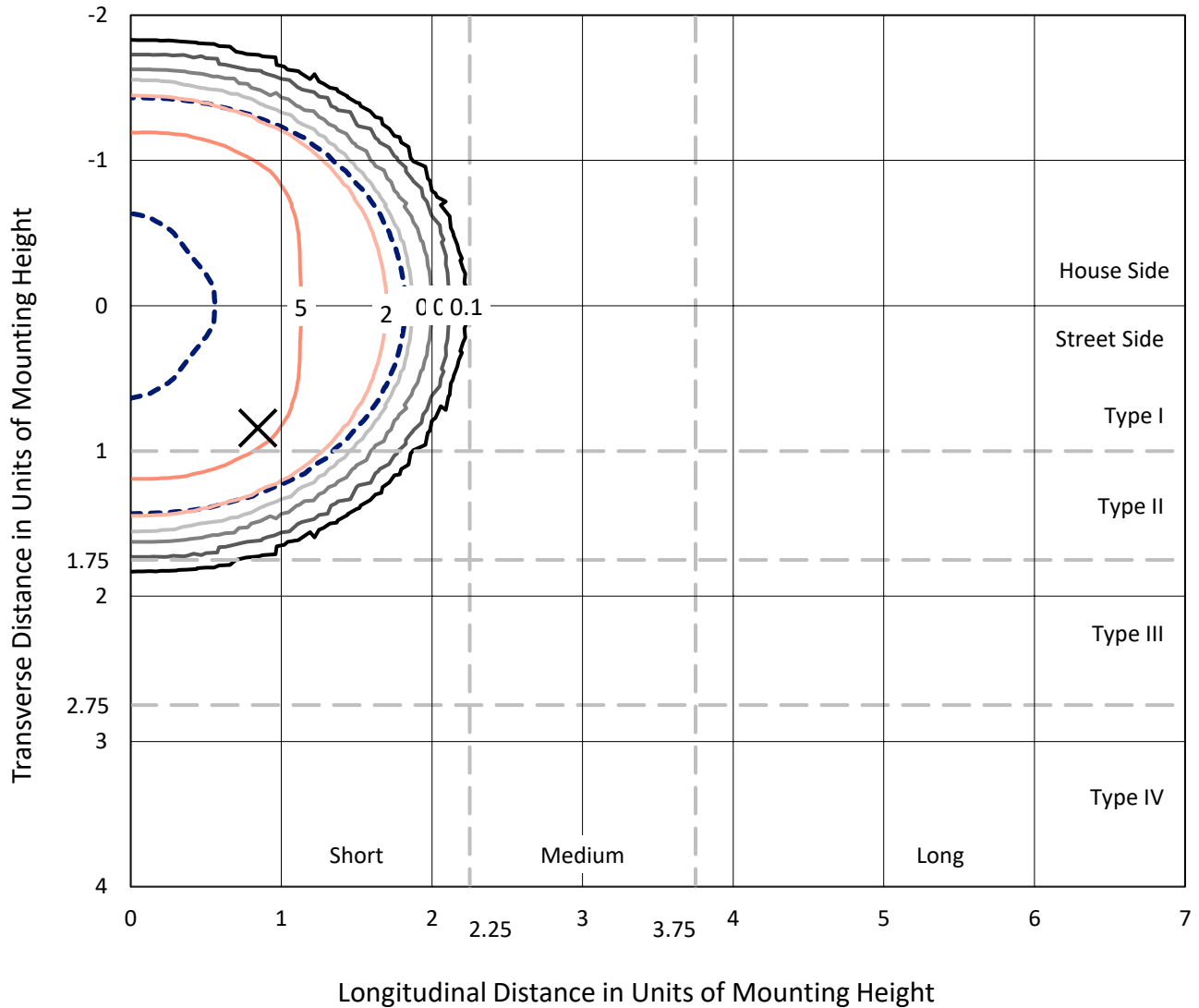
Input Watts (W): 368
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

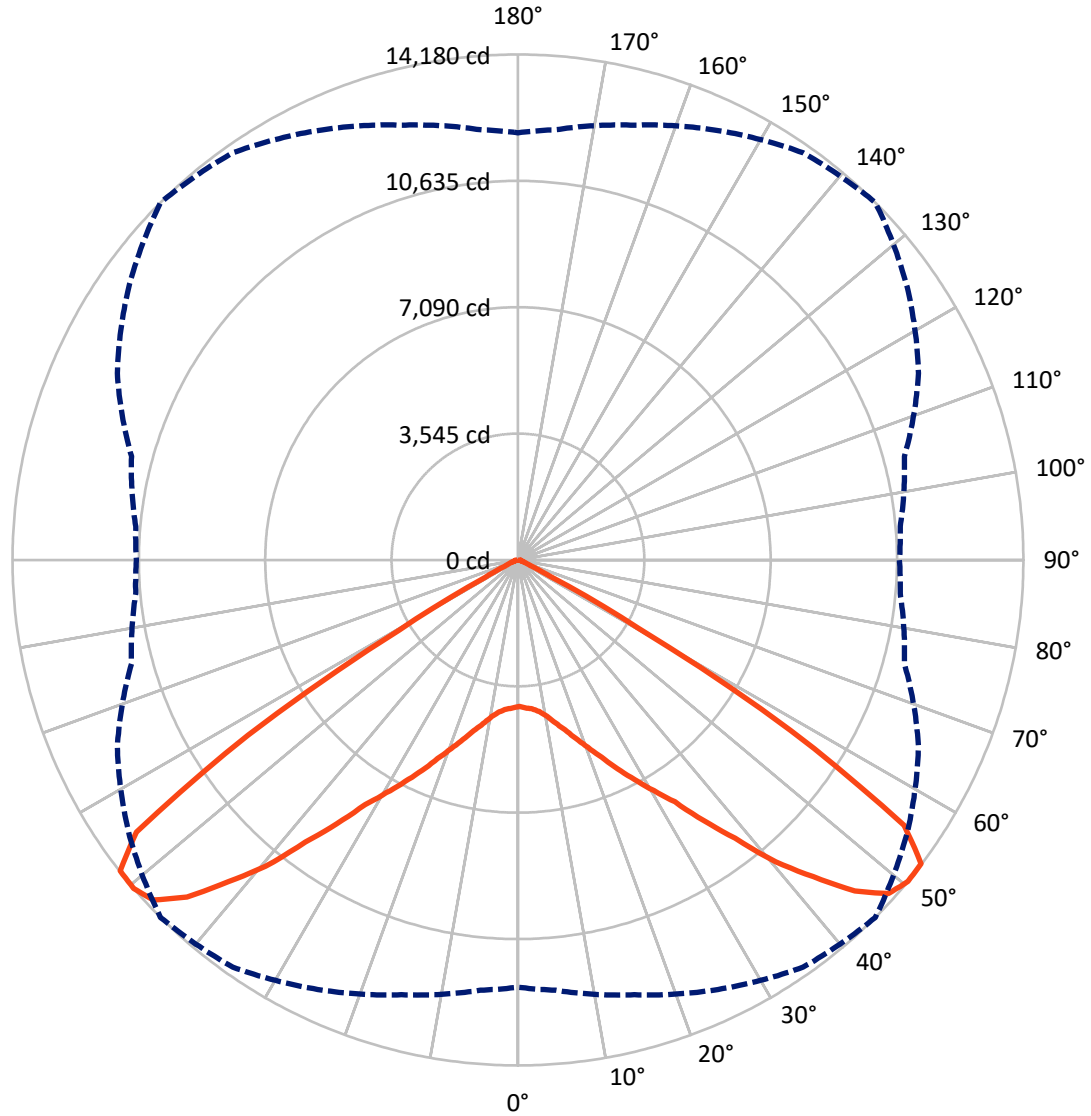
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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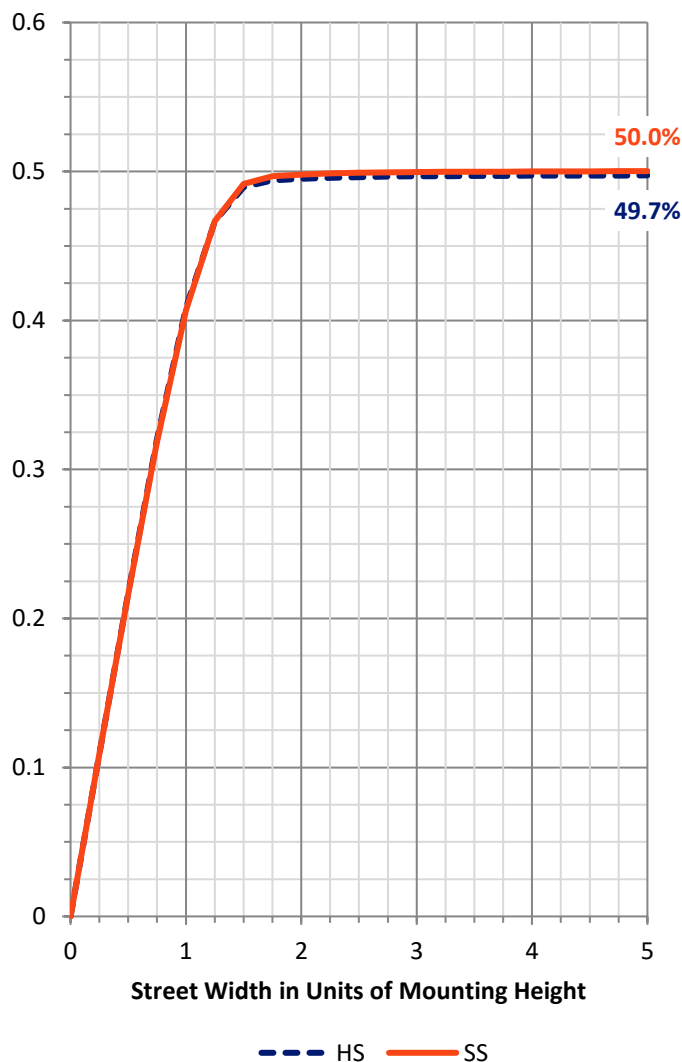
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	14822.5	0.0	14822.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	14822.5	0.0	14822.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	29645.0	0.0	29645.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	408.9	1.4
10°-20°	1409.2	4.8
20°-30°	2878.2	9.7
30°-40°	5488.7	18.5
40°-50°	9249.3	31.2
50°-60°	8820.9	29.8
60°-70°	1231.3	4.2
70°-80°	117.8	0.4
80°-90°	40.7	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°	29645.0	100.0
0°-180°	29645.0	100.0

Coefficient of Utilization



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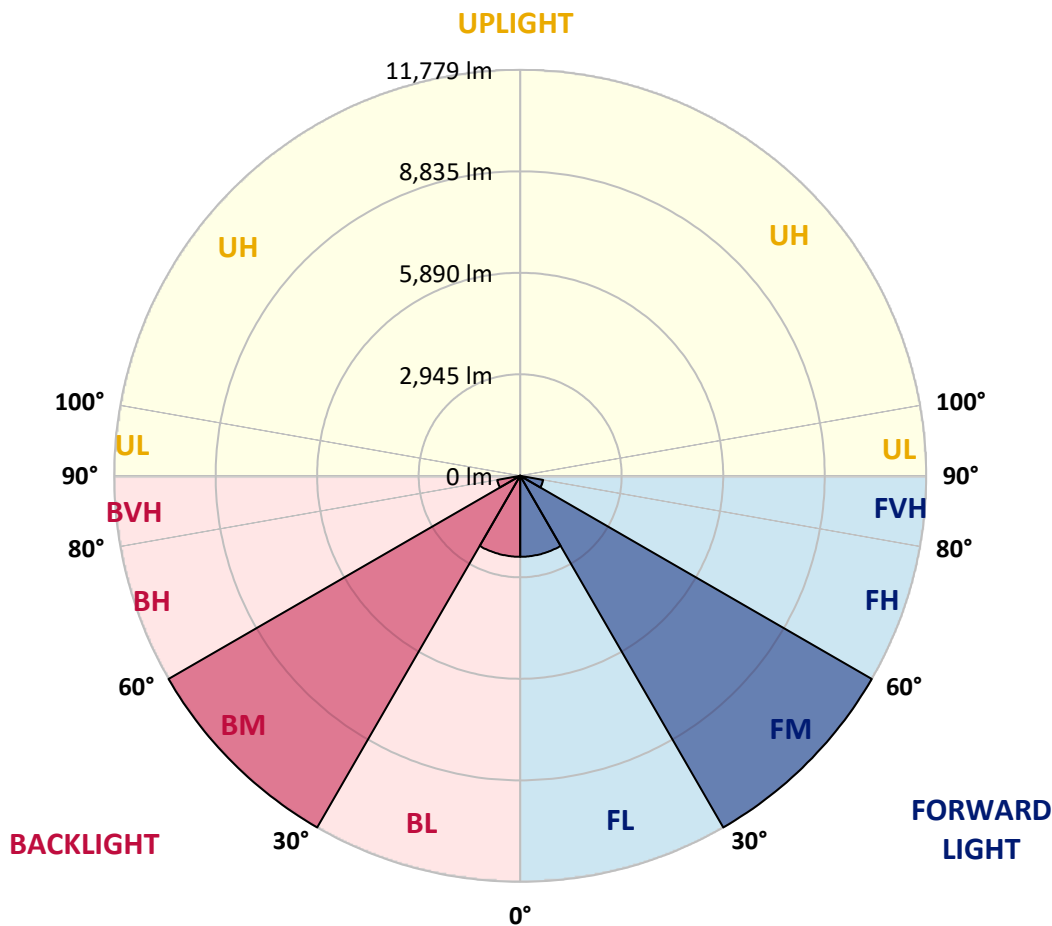
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2348.2	7.9			
FM (30°-60°)	11779.4	39.7			
FH (60°-80°)	674.6	2.3			G1/1800
FVH (80°-90°)	20.4	0.1			G1/100
BL (0°-30°)	2348.2	7.9	B3/2500		
BM (30°-60°)	11779.4	39.7	B5		
BH (60°-80°)	674.6	2.3	B2/1000		G1/1800
BVH (80°-90°)	20.4	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°	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0	4110.0
2.5°	4095.0	4095.0	4090.0	4129.9	4110.0	4154.8	4149.9	4164.8	4179.8	4174.8	4214.7
5°	4060.1	4055.1	4055.1	4100.0	4144.9	4194.7	4239.6	4269.6	4319.4	4319.4	4369.3
7.5°	4095.0	4070.1	4105.0	4124.9	4209.7	4294.5	4369.3	4429.2	4543.9	4583.8	4568.8
10°	4105.0	4134.9	4159.8	4219.7	4324.4	4454.1	4519.0	4668.6	4798.3	4888.1	4908.0
12.5°	4169.8	4214.7	4284.5	4429.2	4523.9	4693.5	4783.3	4928.0	5107.5	5207.3	5277.1
15°	4294.5	4309.5	4399.2	4583.8	4788.3	4942.9	5082.6	5187.3	5361.9	5476.6	5481.6
17.5°	4454.1	4519.0	4643.6	4818.2	5032.7	5262.1	5371.9	5486.6	5551.4	5706.1	5741.0
20°	4773.3	4783.3	4903.0	5132.5	5401.8	5611.3	5691.1	5750.9	5726.0	5885.6	5915.5
22.5°	5072.6	5082.6	5232.2	5541.5	5830.7	6010.3	6045.2	6010.3	5935.5	6050.2	6060.2
25°	5376.9	5466.6	5576.4	5885.6	6244.7	6484.1	6489.1	6394.4	6239.7	6259.7	6309.6
27.5°	5850.7	5915.5	6030.3	6314.6	6708.6	6977.9	6933.1	6818.3	6618.8	6633.8	6618.8
30°	6404.3	6464.2	6559.0	6923.1	7212.4	7506.6	7571.5	7461.8	7162.5	7097.6	7172.5
32.5°	7072.7	7157.5	7332.1	7666.3	7910.7	8090.2	8135.1	8095.2	7815.9	7791.0	7840.8
35°	7885.7	8000.4	8160.1	8454.3	8653.8	8978.1	8978.1	8843.4	8589.0	8618.9	8613.9
37.5°	8743.6	8913.2	9162.6	9461.9	9731.2	9905.8	9850.9	9736.2	9481.8	9417.0	9481.8
40°	9821.0	9905.8	10220.0	10609.1	10938.3	11137.8	10903.3	10654.0	10045.4	10140.2	10314.8
42.5°	10803.6	10938.3	11177.7	11606.6	11980.7	12145.3	11866.0	11372.2	10639.0	10564.2	10693.9
45°	11641.5	11786.2	12100.4	12713.9	13108.0	13252.6	12634.1	11836.1	10998.1	10808.6	10863.4
47.5°	12200.2	12275.0	12713.9	13297.5	13656.6	13985.8	13098.0	12155.3	11167.7	10808.6	10788.6
50°	11985.7	12115.4	12629.1	13292.5	13945.9	14180.3	13332.4	12399.7	11222.6	10763.7	10703.8
52.5°	10644.0	10868.4	11442.0	12334.8	13322.4	14160.4	13656.6	12319.9	11202.6	10808.6	10898.4
55°	7406.9	7411.9	8110.2	9427.0	11172.7	13147.9	13182.8	12409.7	11332.3	11087.9	11092.9
57.5°	2977.7	3127.4	3661.1	4982.8	6593.9	9027.9	10733.8	11511.9	11347.3	11287.4	11442.0
60°	753.2	758.1	922.7	1406.6	2319.3	3870.5	5621.3	7606.4	8758.6	9152.6	9207.5
62.5°	384.1	389.0	429.0	498.8	633.5	1037.5	1845.5	2927.8	4164.8	4793.3	4957.9
65°	314.2	314.2	339.2	374.1	379.1	399.0	478.8	683.3	992.6	1127.2	1142.2
67.5°	239.4	239.4	259.4	279.3	289.3	284.3	274.3	284.3	344.2	329.2	319.2
70°	149.6	154.6	164.6	184.5	194.5	199.5	204.5	214.5	244.4	254.4	244.4
72.5°	89.8	89.8	94.8	109.7	124.7	134.7	149.6	159.6	174.6	199.5	194.5
75°	39.9	39.9	49.9	64.8	79.8	94.8	109.7	124.7	134.7	149.6	154.6
77.5°	10.0	15.0	24.9	44.9	59.9	79.8	99.8	114.7	124.7	124.7	119.7
80°	5.0	5.0	20.0	34.9	64.8	84.8	109.7	119.7	134.7	124.7	109.7
82.5°	5.0	5.0	20.0	34.9	59.9	84.8	114.7	129.7	139.7	124.7	104.7
85°	0.0	5.0	15.0	29.9	49.9	59.9	49.9	34.9	20.0	20.0	15.0
87.5°	0.0	0.0	5.0	5.0	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)