

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: P533352

Luminaire Tested: **GALN-SA8D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P533352
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-SA8D-735-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(8) 70 CRI, 3500K, 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: 50990 lumens
Efficiency: N/A
Efficacy: 103.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

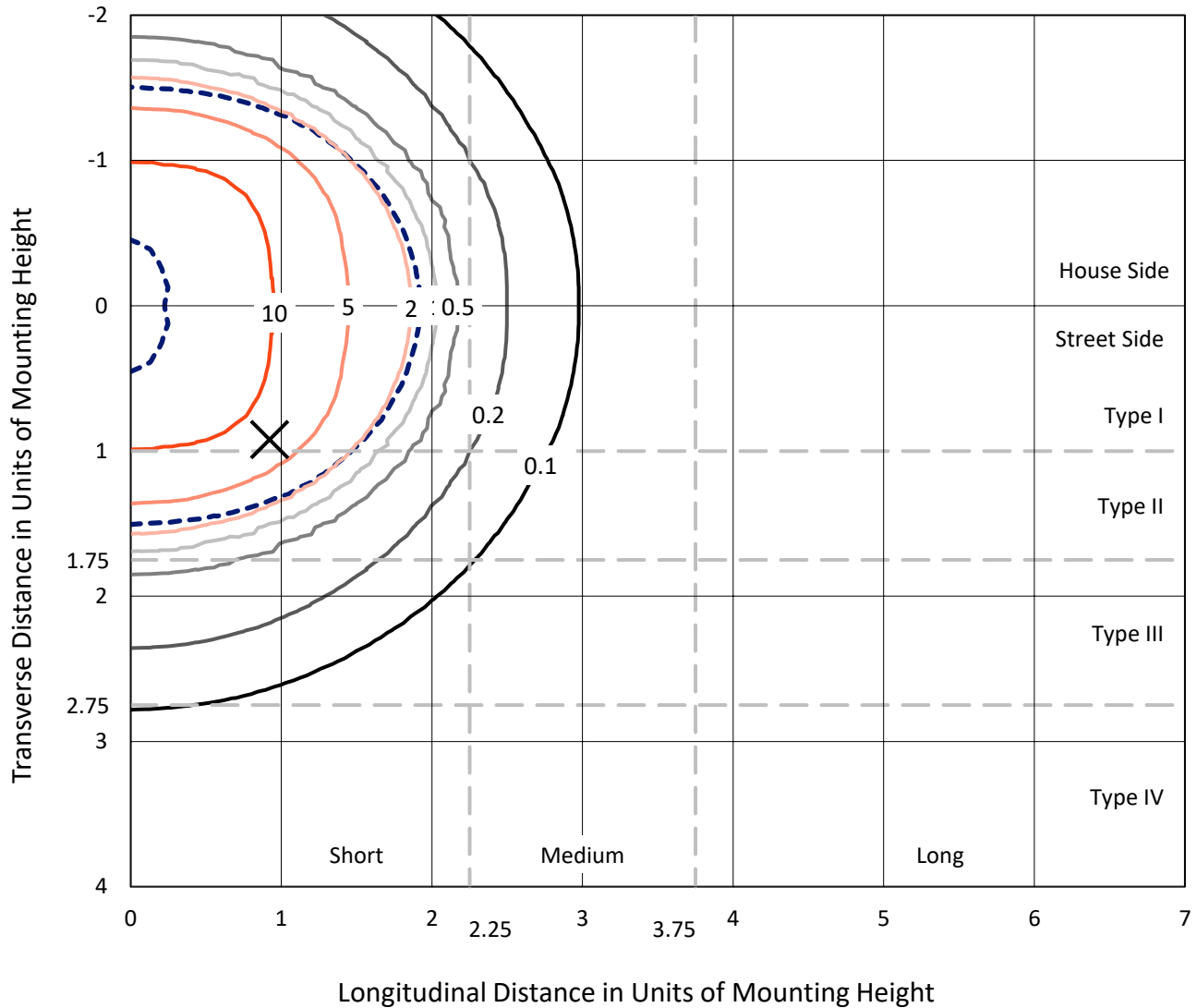
Input Watts (W): 493
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

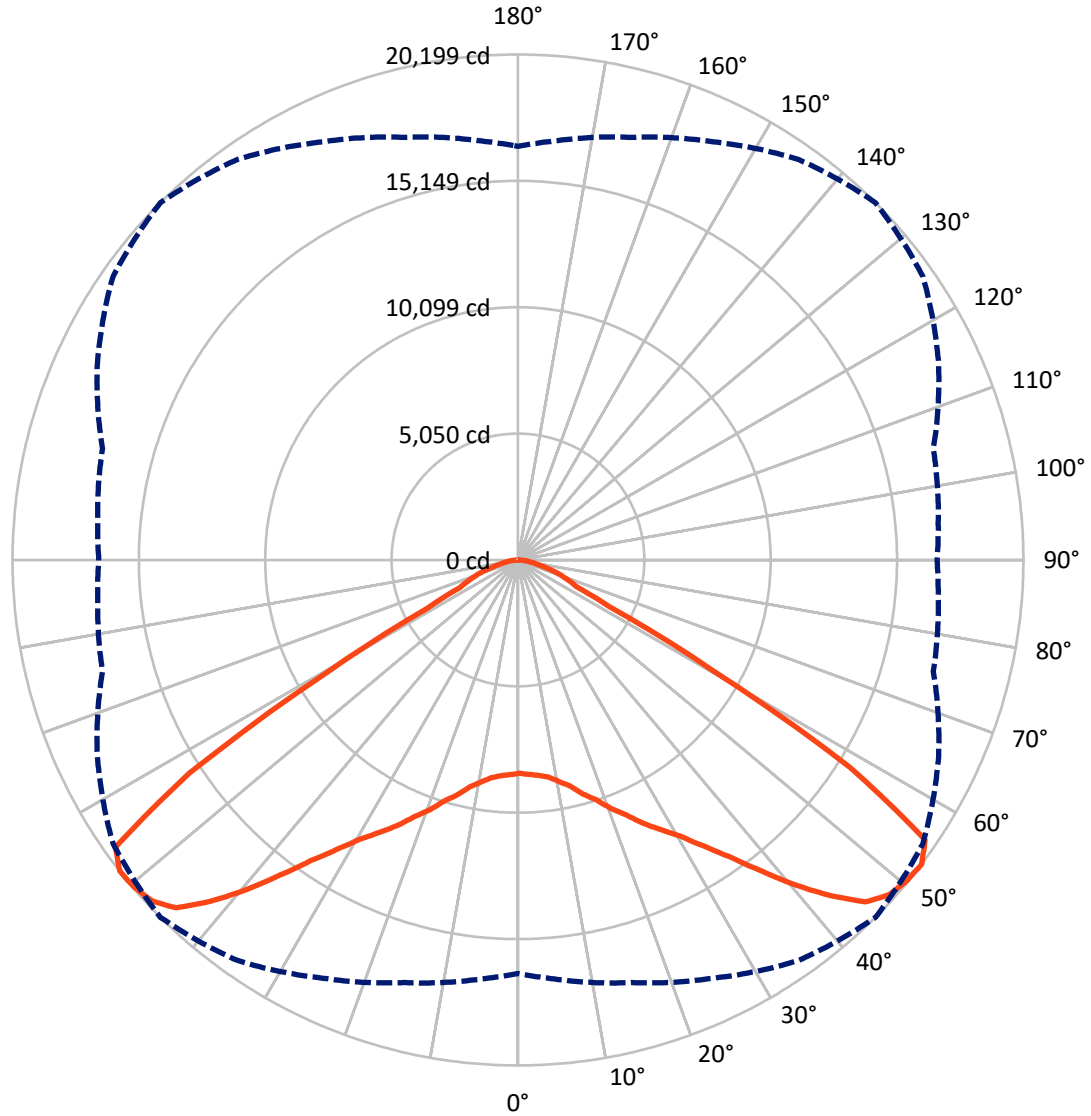
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.1 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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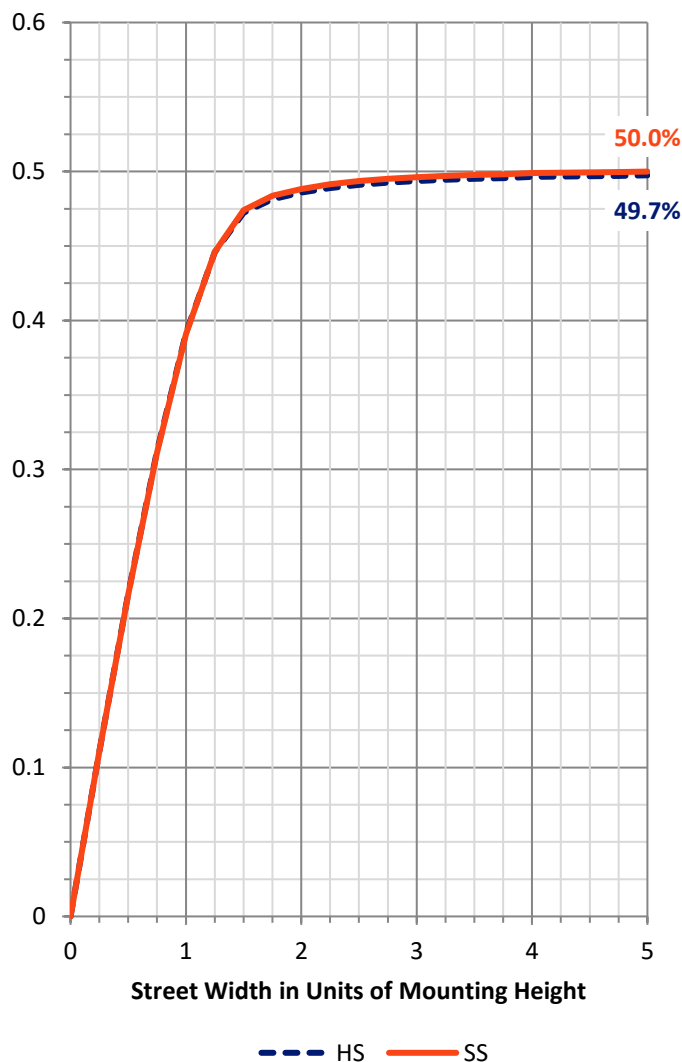
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	25495.0	0.0	25495.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	25495.0	0.0	25495.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	50990.0	0.0	50990.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	837.4	1.6
10°-20°	2751.7	5.4
20°-30°	5238.9	10.3
30°-40°	8995.5	17.6
40°-50°	13826.4	27.1
50°-60°	14040.4	27.5
60°-70°	3912.9	7.7
70°-80°	1154.3	2.3
80°-90°	232.5	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°	50990.0	100.0
0°-180°	50990.0	100.0

Coefficient of Utilization

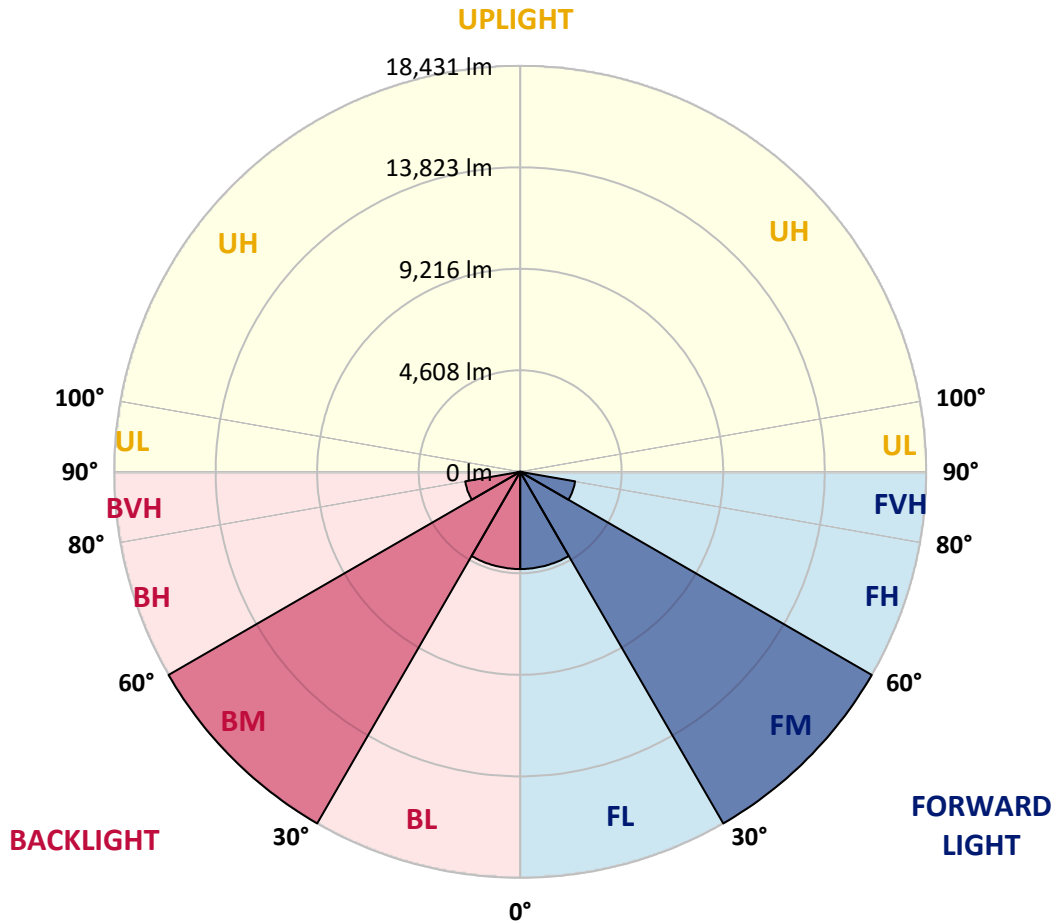


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	4414.0	8.7			
FM (30°-60°)	18431.2	36.1			
FH (60°-80°)	2533.6	5.0			G2/5000
FVH (80°-90°)	116.2	0.2			G2/225
BL (0°-30°)	4414.0	8.7	B4/5000		
BM (30°-60°)	18431.2	36.1	B5		
BH (60°-80°)	2533.6	5.0	B4/5000		G2/5000
BVH (80°-90°)	116.2	0.2			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7	8523.7
2.5°	8542.6	8454.0	8485.7	8504.7	8586.9	8580.6	8561.6	8586.9	8612.2	8618.6	8605.9
5°	8536.3	8473.0	8498.3	8517.3	8599.6	8643.9	8631.2	8738.8	8814.7	8795.7	8890.7
7.5°	8485.7	8523.7	8492.0	8586.9	8656.5	8764.1	8878.0	8979.3	9074.2	9181.7	9200.7
10°	8599.6	8599.6	8656.5	8732.5	8916.0	8998.2	9162.8	9308.3	9491.8	9618.4	9567.8
12.5°	8719.8	8738.8	8738.8	8935.0	9086.8	9270.3	9422.2	9618.4	9877.8	10029.7	10105.6
15°	8840.0	8852.7	8916.0	9181.7	9409.6	9700.6	9839.8	10017.0	10162.6	10447.3	10453.7
17.5°	8947.6	9017.2	9207.1	9504.5	9789.2	10067.7	10289.1	10472.6	10599.2	10713.1	10687.8
20°	9352.6	9403.2	9599.4	9896.8	10320.8	10592.9	10668.8	10700.4	10782.7	11010.5	10940.9
22.5°	9744.9	9763.9	9947.4	10403.0	10700.4	11061.1	11143.4	11124.4	11156.0	11213.0	11314.2
25°	10149.9	10181.6	10434.7	10820.7	11238.3	11668.6	11738.2	11592.7	11548.4	11611.7	11618.0
27.5°	10668.8	10675.1	10997.9	11333.2	11807.8	12212.8	12320.4	12206.5	11997.7	12048.3	12130.5
30°	11326.9	11282.6	11605.3	12086.2	12586.1	12814.0	12997.5	12940.5	12712.7	12668.4	12598.8
32.5°	12086.2	12098.9	12390.0	12915.2	13244.2	13623.9	13820.1	13725.2	13579.6	13503.7	13548.0
35°	13155.7	13212.6	13408.8	13845.4	14376.9	14566.8	14876.8	14674.3	14294.7	14389.6	14471.9
37.5°	14035.2	14199.8	14566.8	15085.7	15402.1	15750.1	15864.0	15591.9	15313.5	15199.6	15471.7
40°	15383.1	15332.4	15737.4	16256.3	16724.6	17072.6	16927.1	16655.0	15965.2	15971.6	16047.5
42.5°	16541.1	16566.4	16876.4	17496.6	18135.7	18350.8	17888.9	17224.5	16458.8	16376.5	16541.1
45°	17515.6	17616.8	17794.0	18622.9	19249.4	19483.5	18629.3	17844.6	16819.5	16477.8	16749.9
47.5°	17863.6	18028.1	18414.1	19173.5	19793.6	19983.4	19300.0	18173.7	17154.9	16598.0	16743.6
50°	17914.2	17857.3	18490.1	19186.1	19730.3	20141.6	19540.5	18414.1	17072.6	16781.5	16737.2
52.5°	16528.4	16806.8	17483.9	18439.4	19540.5	20198.6	19755.6	18547.0	17186.5	16857.5	16749.9
55°	13377.1	13048.1	14282.0	15889.3	17914.2	19743.0	19679.7	18616.6	17256.1	16984.0	16838.5
57.5°	7466.9	7561.8	8257.9	10004.4	12617.8	15655.2	17496.6	17882.6	17224.5	17066.3	17142.2
60°	3455.0	3486.7	3784.1	4600.4	6220.3	8878.0	11301.6	13763.1	14895.8	15123.6	15123.6
62.5°	2575.4	2562.8	2638.7	2784.3	3126.0	4081.5	5448.3	7403.6	8960.3	10048.7	10333.4
65°	2328.7	2322.3	2360.3	2410.9	2436.2	2569.1	2872.9	3474.0	3980.2	4271.3	4220.7
67.5°	2037.6	2031.2	2043.9	2075.5	2119.8	2189.4	2265.4	2391.9	2569.1	2556.5	2524.8
70°	1645.2	1645.2	1664.2	1689.5	1740.2	1822.4	1911.0	1999.6	2151.5	2183.1	2176.8
72.5°	1215.0	1196.0	1233.9	1284.6	1335.2	1436.4	1531.3	1613.6	1721.2	1752.8	1740.2
75°	772.0	784.7	810.0	866.9	955.5	1025.1	1126.4	1196.0	1265.6	1290.9	1297.2
77.5°	430.3	443.0	487.2	556.9	645.4	721.4	810.0	866.9	911.2	917.5	923.9
80°	259.4	265.8	310.1	373.3	449.3	531.5	601.1	658.1	696.1	677.1	670.8
82.5°	158.2	164.5	202.5	259.4	322.7	386.0	461.9	512.6	550.5	525.2	499.9
85°	82.3	88.6	120.2	158.2	208.8	240.5	240.5	215.1	208.8	196.2	189.8
87.5°	25.3	25.3	31.6	38.0	31.6	38.0	44.3	50.6	50.6	57.0	50.6
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)