

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: P532390

Luminaire Tested: **GALN-SA7D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532390
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-SA7D-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 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: 42998 lumens
Efficiency: N/A
Efficacy: 99.3 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

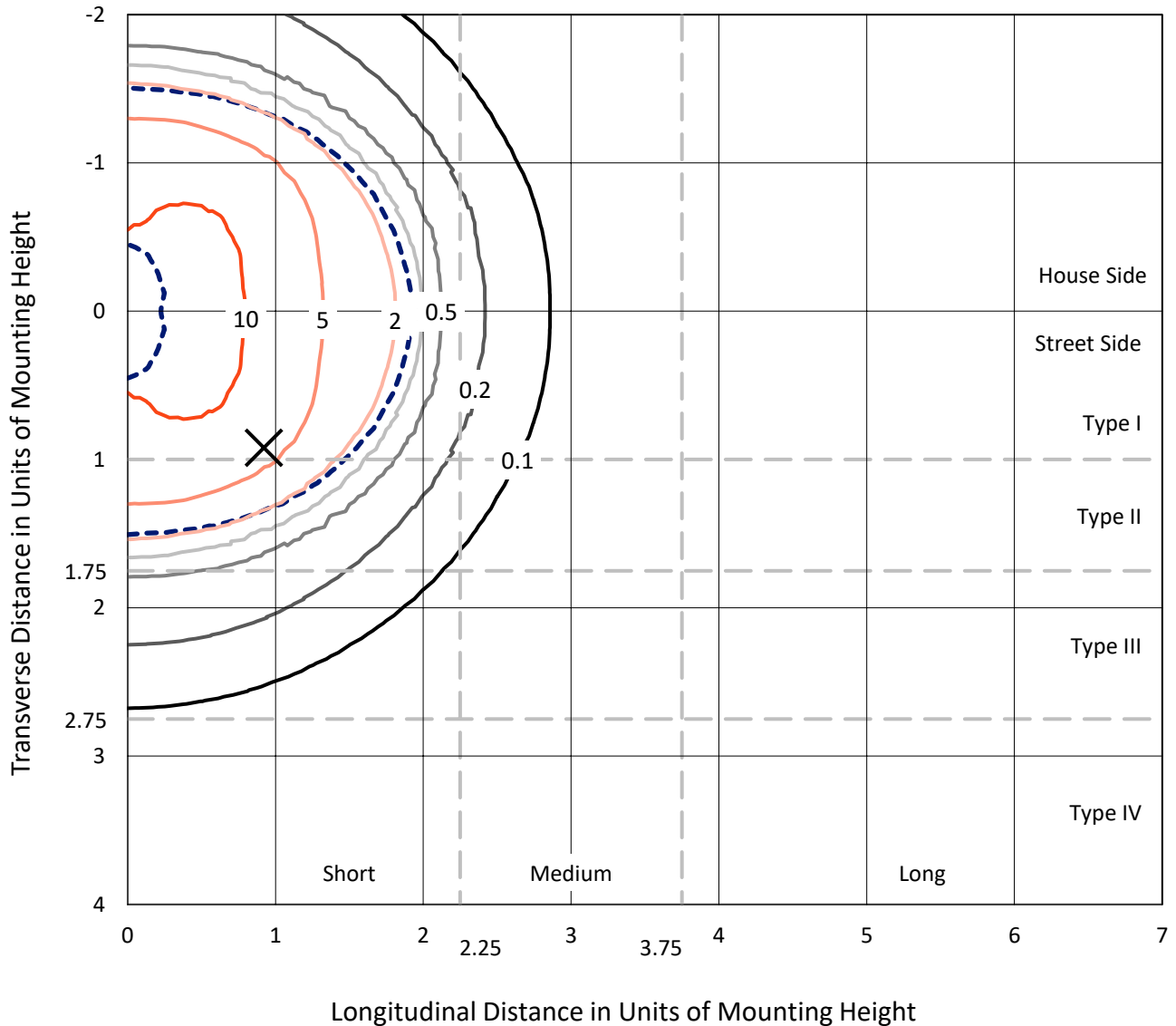
Input Watts (W): 433
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

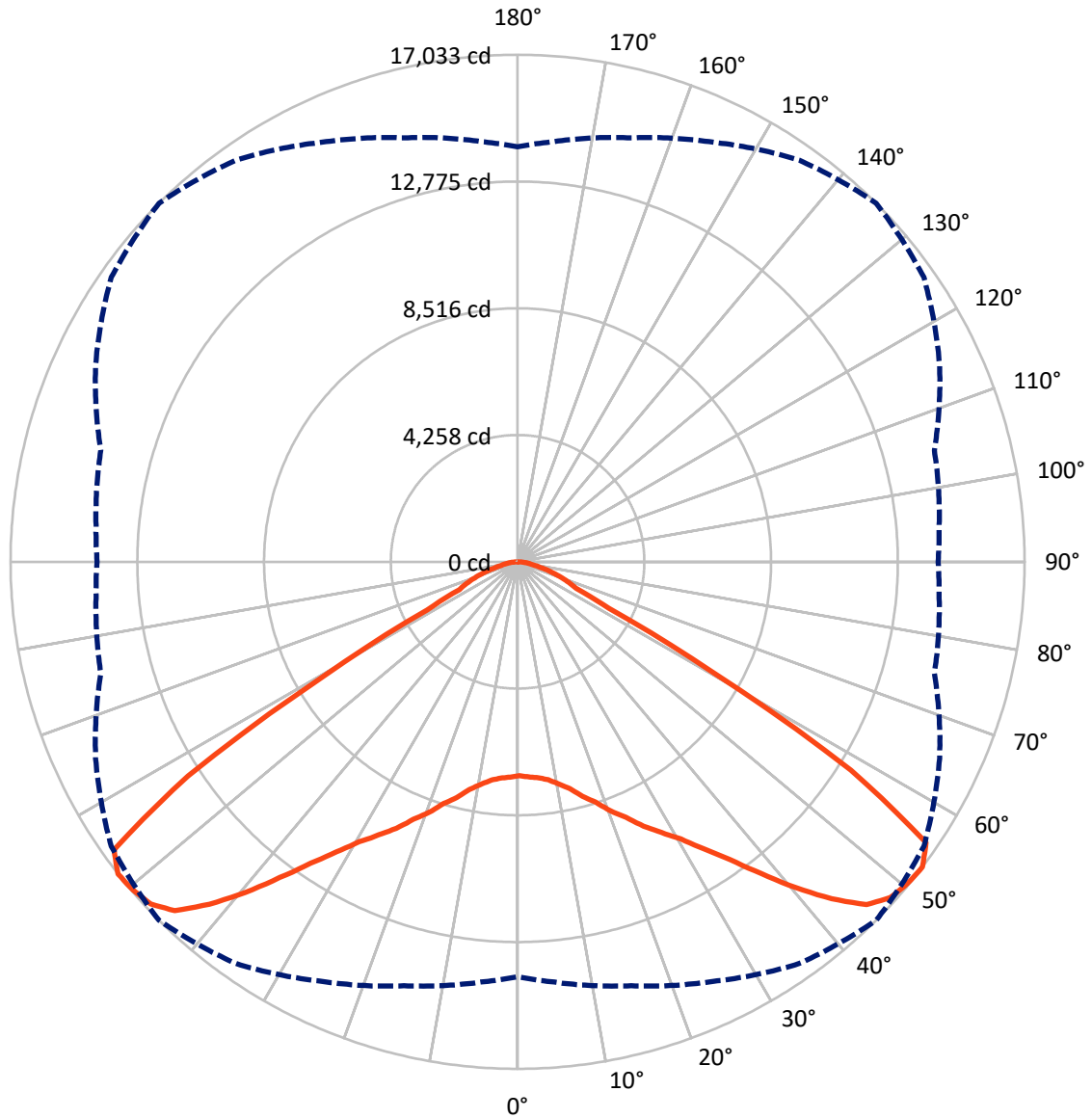
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.7 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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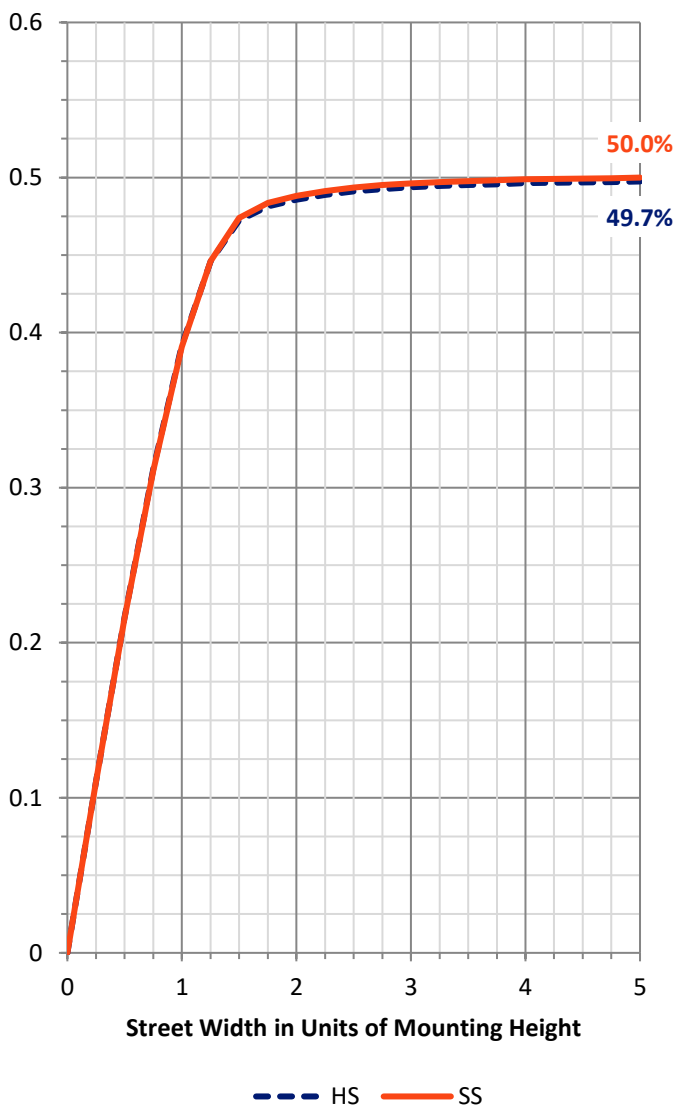
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	21499.0	0.0	21499.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	21499.0	0.0	21499.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	42998.0	0.0	42998.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	706.2	1.6
10°-20°	2320.4	5.4
20°-30°	4417.8	10.3
30°-40°	7585.6	17.6
40°-50°	11659.3	27.1
50°-60°	11839.8	27.5
60°-70°	3299.6	7.7
70°-80°	973.3	2.3
80°-90°	196.1	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°	42998.0	100.0
0°-180°	42998.0	100.0

Coefficient of Utilization



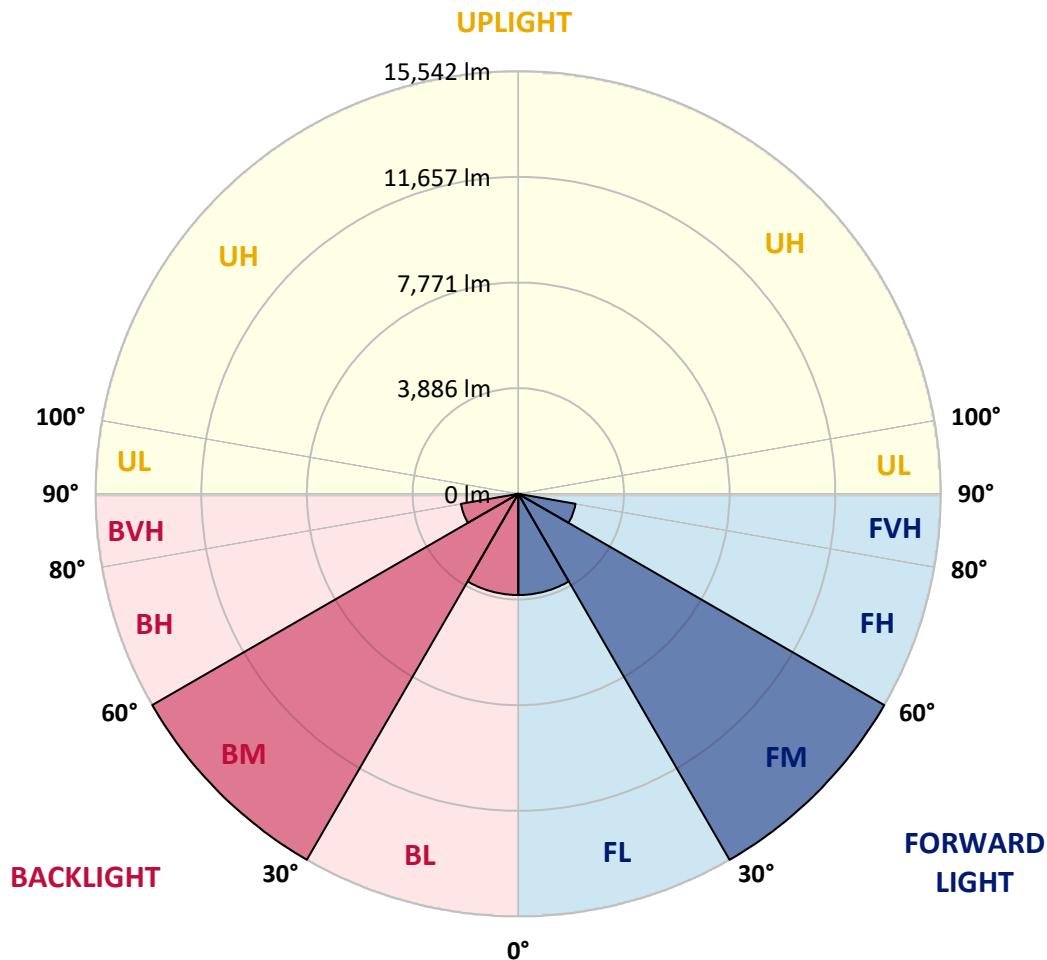
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3722.2	8.7			
FM (30°-60°)	15542.3	36.1			
FH (60°-80°)	2136.5	5.0			G2/5000
FVH (80°-90°)	98.0	0.2			G1/100
BL (0°-30°)	3722.2	8.7	B4/5000		
BM (30°-60°)	15542.3	36.1	B5		
BH (60°-80°)	2136.5	5.0	B3/2500		G2/5000
BVH (80°-90°)	98.0	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-G2

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7	7187.7
2.5°	7203.7	7129.0	7155.7	7171.7	7241.0	7235.7	7219.7	7241.0	7262.4	7267.7	7257.1
5°	7198.4	7145.0	7166.3	7182.3	7251.7	7289.1	7278.4	7369.1	7433.1	7417.1	7497.2
7.5°	7155.7	7187.7	7161.0	7241.0	7299.7	7390.5	7486.5	7571.9	7651.9	7742.6	7758.6
10°	7251.7	7251.7	7299.7	7363.8	7518.5	7587.9	7726.6	7849.4	8004.1	8110.8	8068.1
12.5°	7353.1	7369.1	7369.1	7534.5	7662.6	7817.3	7945.4	8110.8	8329.6	8457.7	8521.7
15°	7454.5	7465.2	7518.5	7742.6	7934.7	8180.2	8297.6	8447.0	8569.7	8809.8	8815.2
17.5°	7545.2	7603.9	7764.0	8014.8	8254.9	8489.7	8676.4	8831.2	8937.9	9034.0	9012.6
20°	7886.7	7929.4	8094.8	8345.6	8703.1	8932.6	8996.6	9023.3	9092.7	9284.8	9226.1
22.5°	8217.5	8233.6	8388.3	8772.5	9023.3	9327.4	9396.8	9380.8	9407.5	9455.5	9540.9
25°	8559.1	8585.7	8799.2	9124.7	9476.9	9839.7	9898.4	9775.7	9738.3	9791.7	9797.0
27.5°	8996.6	9001.9	9274.1	9556.9	9957.1	10298.6	10389.3	10293.3	10117.2	10159.9	10229.2
30°	9551.6	9514.2	9786.3	10191.9	10613.4	10805.5	10960.3	10912.3	10720.2	10682.8	10624.1
32.5°	10191.9	10202.6	10448.0	10890.9	11168.4	11488.6	11654.0	11573.9	11451.2	11387.2	11424.5
35°	11093.7	11141.7	11307.1	11675.3	12123.5	12283.6	12545.1	12374.3	12054.2	12134.2	12203.6
37.5°	11835.4	11974.1	12283.6	12721.2	12988.0	13281.5	13377.5	13148.1	12913.3	12817.2	13046.7
40°	12972.0	12929.3	13270.8	13708.4	14103.2	14396.7	14274.0	14044.5	13462.9	13468.2	13532.3
42.5°	13948.5	13969.8	14231.3	14754.2	15293.2	15474.6	15085.1	14524.8	13879.1	13809.7	13948.5
45°	14770.2	14855.6	15005.0	15704.0	16232.3	16429.8	15709.4	15047.7	14183.3	13895.1	14124.6
47.5°	15063.7	15202.5	15528.0	16168.3	16691.2	16851.3	16275.0	15325.2	14466.1	13996.5	14119.2
50°	15106.4	15058.4	15592.0	16179.0	16637.9	16984.7	16477.8	15528.0	14396.7	14151.2	14113.9
52.5°	13937.8	14172.6	14743.6	15549.3	16477.8	17032.7	16659.2	15640.0	14492.8	14215.3	14124.6
55°	11280.4	11003.0	12043.5	13398.9	15106.4	16648.5	16595.2	15698.7	14551.5	14322.0	14199.3
57.5°	6296.6	6376.6	6963.6	8436.3	10640.1	13201.4	14754.2	15079.7	14524.8	14391.4	14455.4
60°	2913.5	2940.2	3191.0	3879.3	5245.4	7486.5	9530.2	11605.9	12561.1	12753.2	12753.2
62.5°	2171.8	2161.1	2225.1	2347.9	2636.0	3441.8	4594.4	6243.2	7555.9	8473.7	8713.8
65°	1963.7	1958.3	1990.4	2033.0	2054.4	2166.4	2422.6	2929.5	3356.4	3601.8	3559.2
67.5°	1718.2	1712.9	1723.5	1750.2	1787.6	1846.3	1910.3	2017.0	2166.4	2155.8	2129.1
70°	1387.4	1387.4	1403.4	1424.7	1467.4	1536.8	1611.5	1686.2	1814.3	1840.9	1835.6
72.5°	1024.5	1008.5	1040.5	1083.2	1125.9	1211.3	1291.3	1360.7	1451.4	1478.1	1467.4
75°	651.0	661.7	683.0	731.0	805.7	864.4	949.8	1008.5	1067.2	1088.6	1093.9
77.5°	362.9	373.5	410.9	469.6	544.3	608.3	683.0	731.0	768.4	773.7	779.1
80°	218.8	224.1	261.5	314.8	378.9	448.2	506.9	555.0	587.0	571.0	565.6
82.5°	133.4	138.7	170.8	218.8	272.1	325.5	389.5	432.2	464.2	442.9	421.5
85°	69.4	74.7	101.4	133.4	176.1	202.8	202.8	181.4	176.1	165.4	160.1
87.5°	21.3	21.3	26.7	32.0	26.7	32.0	37.4	42.7	42.7	48.0	42.7
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)