

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: P532124

Luminaire Tested: **GALN-SA7C-727-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P532124
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA7C-727-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 70 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V
NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36887 lumens
Efficiency: N/A
Efficacy: 97.8 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

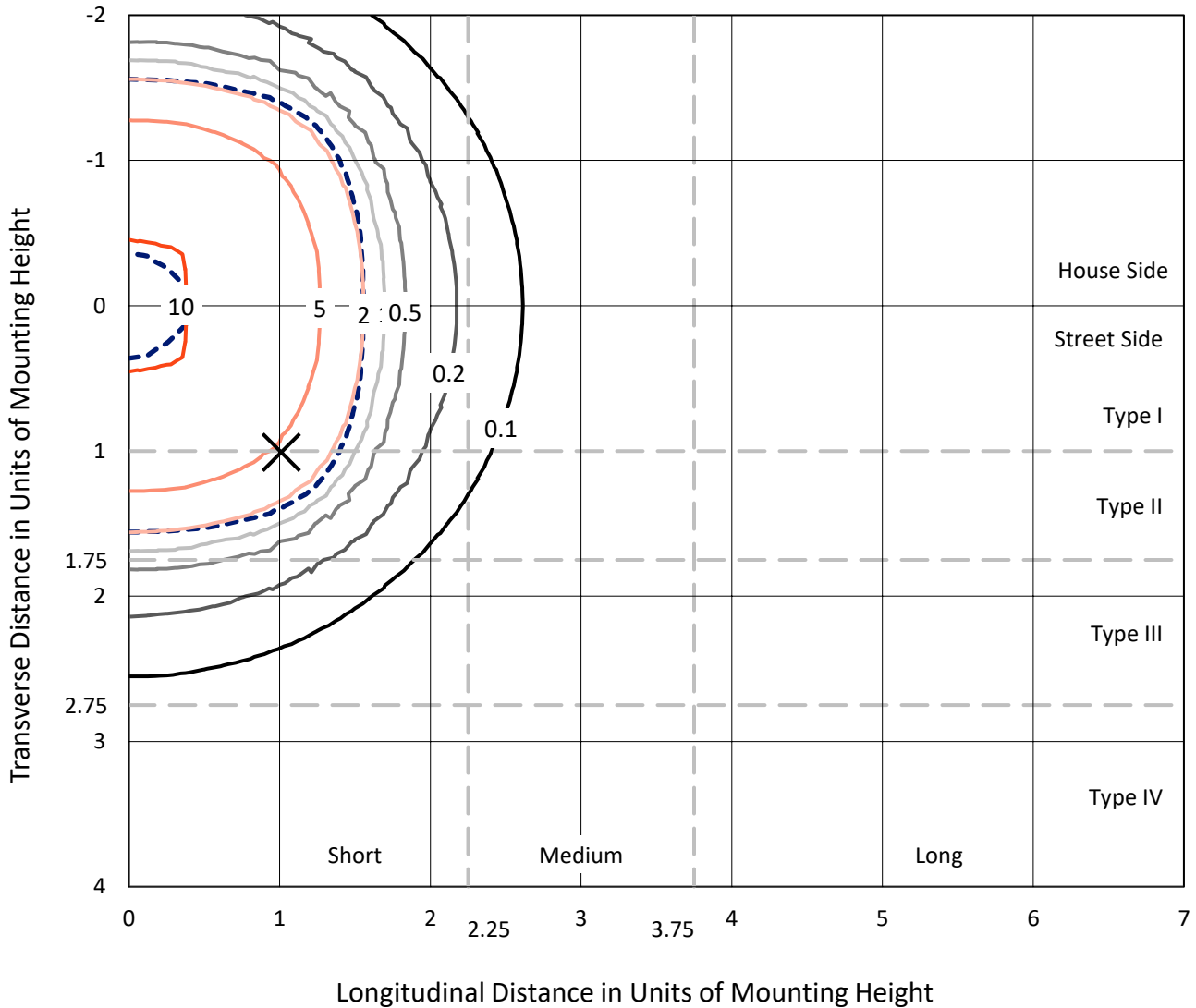
Input Watts (W): 377
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

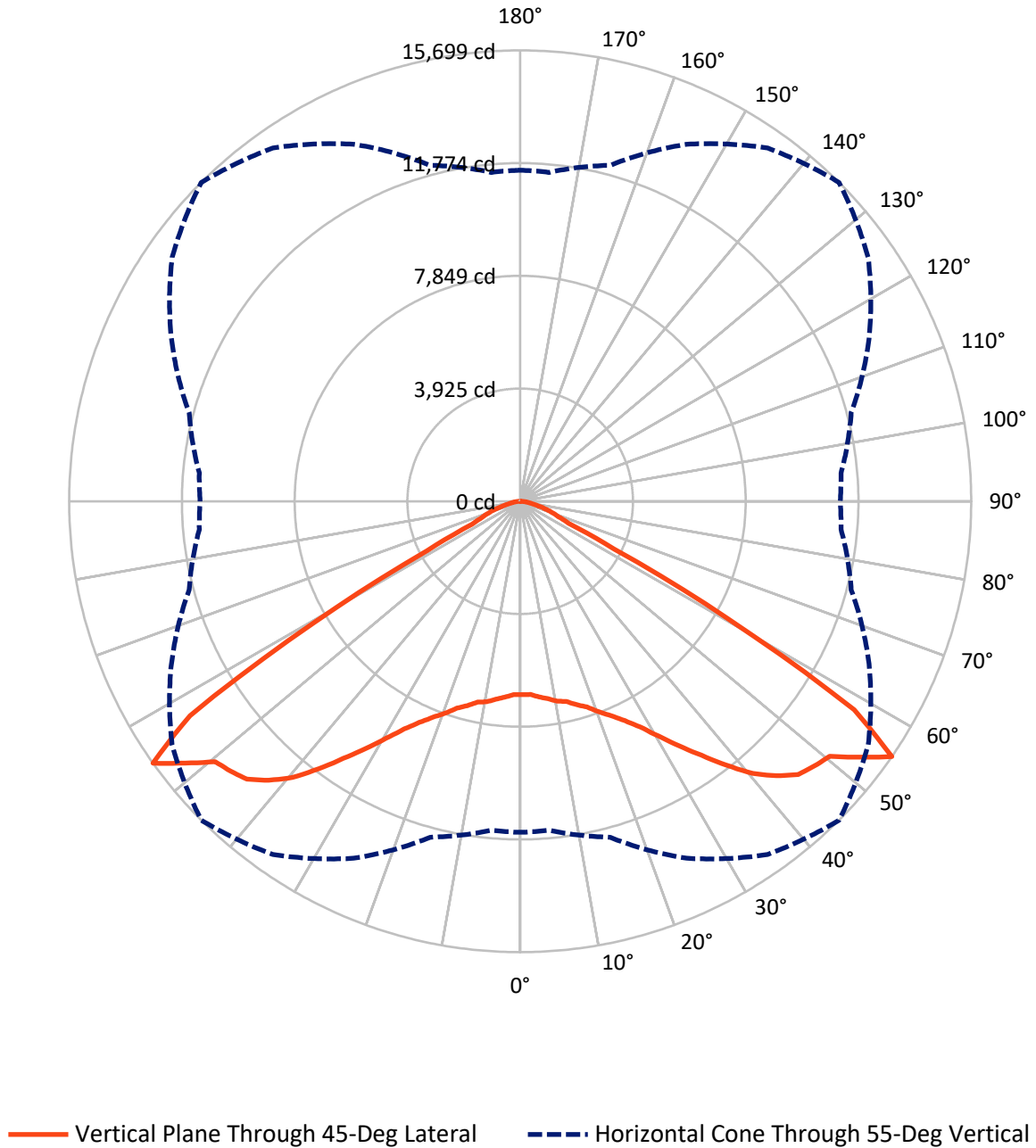
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	18443.5	0.0	18443.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	18443.5	0.0	18443.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	36887.0	0.0	36887.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	657.9	1.8
10°-20°	2084.7	5.7
20°-30°	3887.3	10.5
30°-40°	6508.6	17.6
40°-50°	10128.0	27.5
50°-60°	10516.0	28.5
60°-70°	2230.1	6.0
70°-80°	734.4	2.0
80°-90°	139.9	0.4
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°	36887.0	100.0
0°-180°	36887.0	100.0

Coefficient of Utilization

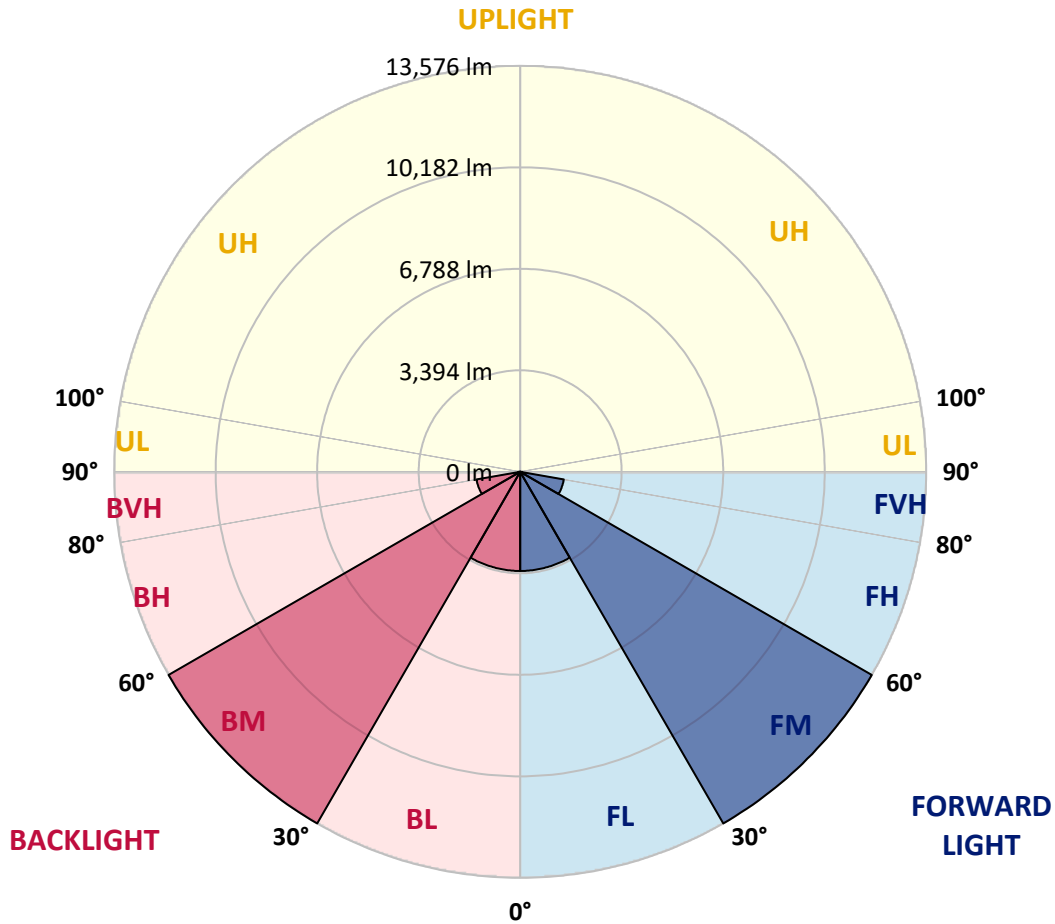


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3315.0	9.0			
FM (30°-60°)	13576.3	36.8			
FH (60°-80°)	1482.3	4.0			G1/1800
FVH (80°-90°)	69.9	0.2			G1/100
BL (0°-30°)	3315.0	9.0	B4/5000		
BM (30°-60°)	13576.3	36.8	B5		
BH (60°-80°)	1482.3	4.0	B3/2500		G1/1800
BVH (80°-90°)	69.9	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-G1
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0	6735.0
2.5°	6815.2	6784.0	6730.6	6770.7	6801.9	6735.0	6761.8	6775.1	6766.2	6730.6	6743.9
5°	6913.3	6895.5	6850.9	6882.1	6842.0	6842.0	6815.2	6779.6	6833.1	6824.2	6846.4
7.5°	6913.3	6891.0	6980.2	6922.2	6940.1	6940.1	6895.5	6859.8	6886.6	6846.4	6824.2
10°	7051.5	7082.7	7042.6	7055.9	7047.0	7078.2	7011.4	6989.1	6966.8	6953.4	6926.7
12.5°	7216.4	7194.1	7207.5	7198.6	7229.8	7149.5	7109.4	7060.4	7100.5	7042.6	7082.7
15°	7350.1	7336.8	7350.1	7385.8	7354.6	7350.1	7278.8	7229.8	7167.4	7180.7	7118.3
17.5°	7532.9	7519.5	7524.0	7555.2	7550.7	7528.4	7474.9	7381.3	7359.0	7323.4	7283.3
20°	7804.8	7782.5	7773.6	7786.9	7809.2	7827.1	7720.1	7684.4	7608.7	7550.7	7483.8
22.5°	8036.6	8027.6	8063.3	8005.4	8054.4	8107.9	8005.4	7987.5	7800.3	7769.1	7697.8
25°	8357.5	8344.1	8321.8	8406.5	8464.5	8460.0	8361.9	8263.9	8121.2	8085.6	8085.6
27.5°	8696.2	8620.5	8736.4	8758.6	8861.2	8892.4	8807.7	8665.0	8531.3	8455.5	8473.4
30°	9119.7	9048.4	9075.1	9235.6	9369.3	9485.2	9271.2	9061.7	8874.5	8740.8	8718.5
32.5°	9543.1	9471.8	9552.0	9708.1	9975.5	10149.3	9939.8	9574.3	9355.9	9159.8	9199.9
35°	9886.3	9939.8	10069.1	10305.3	10581.7	10862.5	10528.2	10247.4	9935.4	9717.0	9748.2
37.5°	10439.1	10604.0	10706.5	10978.4	11370.6	11660.4	11312.7	10947.2	10612.9	10327.6	10229.6
40°	11161.1	11272.6	11388.5	11709.4	12173.0	12462.7	12132.8	11655.9	11326.1	11031.9	11018.5
42.5°	11954.5	12061.5	12181.9	12574.1	12850.5	13068.9	12765.8	12511.7	12146.2	11914.4	11901.1
45°	12877.2	12801.4	12935.2	13193.7	13425.5	13568.1	13372.0	13247.2	12984.2	12770.2	12747.9
47.5°	13492.3	13425.5	13666.2	13897.9	13933.6	13777.6	13817.7	13933.6	13657.2	13305.1	13416.5
50°	13848.9	13848.9	14009.4	14223.3	14156.5	13955.9	14272.4	14281.3	14004.9	13692.9	13692.9
52.5°	13229.3	13367.5	13822.2	14522.0	14744.8	14802.8	14731.5	14428.4	13706.3	13068.9	13037.7
55°	11526.6	11495.4	12110.5	13715.2	15012.3	15698.7	14789.4	13394.3	11927.8	11210.2	11138.9
57.5°	7497.2	7532.9	8451.1	10086.9	12427.0	13706.3	12173.0	10211.7	8451.1	7461.6	7555.2
60°	3374.2	3494.5	4051.7	5273.0	7283.3	8326.3	7301.1	5540.5	4252.3	3690.7	3739.7
62.5°	1938.9	1961.2	1983.5	2353.5	3102.3	3668.4	3222.6	2487.2	2193.0	2094.9	2094.9
65°	1635.8	1622.5	1626.9	1658.1	1738.4	1854.2	1805.2	1738.4	1747.3	1738.4	1725.0
67.5°	1390.7	1408.5	1395.1	1417.4	1421.9	1439.7	1470.9	1497.7	1502.1	1511.0	1502.1
70°	1141.1	1145.5	1154.4	1172.3	1176.7	1190.1	1234.7	1257.0	1270.3	1270.3	1288.2
72.5°	873.6	869.2	878.1	895.9	918.2	922.7	962.8	994.0	1011.8	989.5	994.0
75°	575.0	579.5	592.8	606.2	637.4	668.6	682.0	713.2	717.6	726.5	704.3
77.5°	343.2	352.1	365.5	392.2	419.0	445.7	476.9	499.2	508.1	499.2	472.5
80°	222.9	222.9	240.7	263.0	294.2	316.5	334.3	352.1	365.5	352.1	343.2
82.5°	138.2	138.2	160.5	187.2	209.5	222.9	249.6	271.9	285.3	276.4	263.0
85°	71.3	75.8	93.6	115.9	133.7	142.6	138.2	124.8	111.4	107.0	98.1
87.5°	22.3	22.3	26.7	26.7	22.3	22.3	26.7	22.3	26.7	26.7	26.7
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)