

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: P526196

Luminaire Tested: **GALN-SA1A-827-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526196
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-SA1A-827-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3064 lumens
Efficiency: N/A
Efficacy: 92.8 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

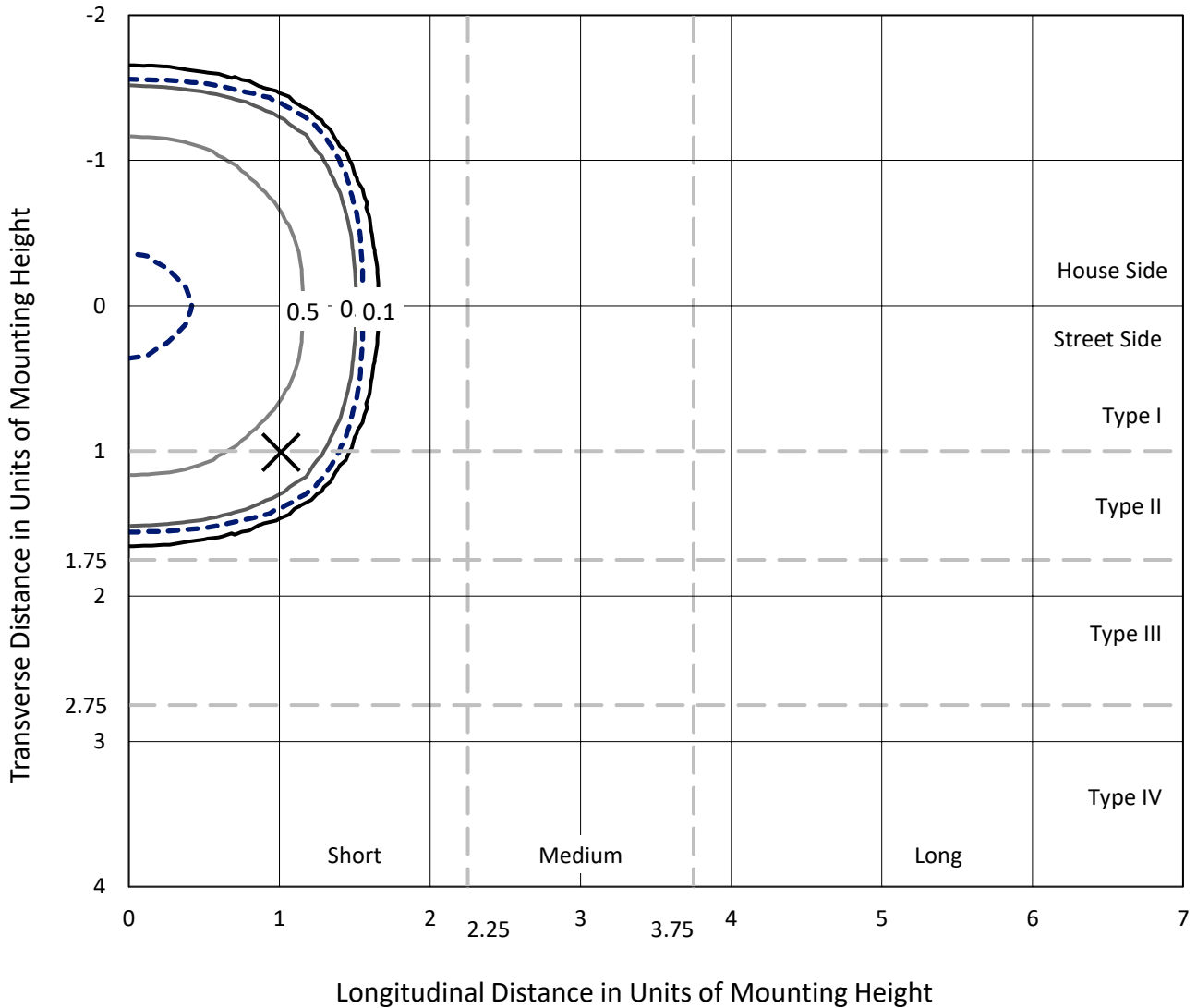
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

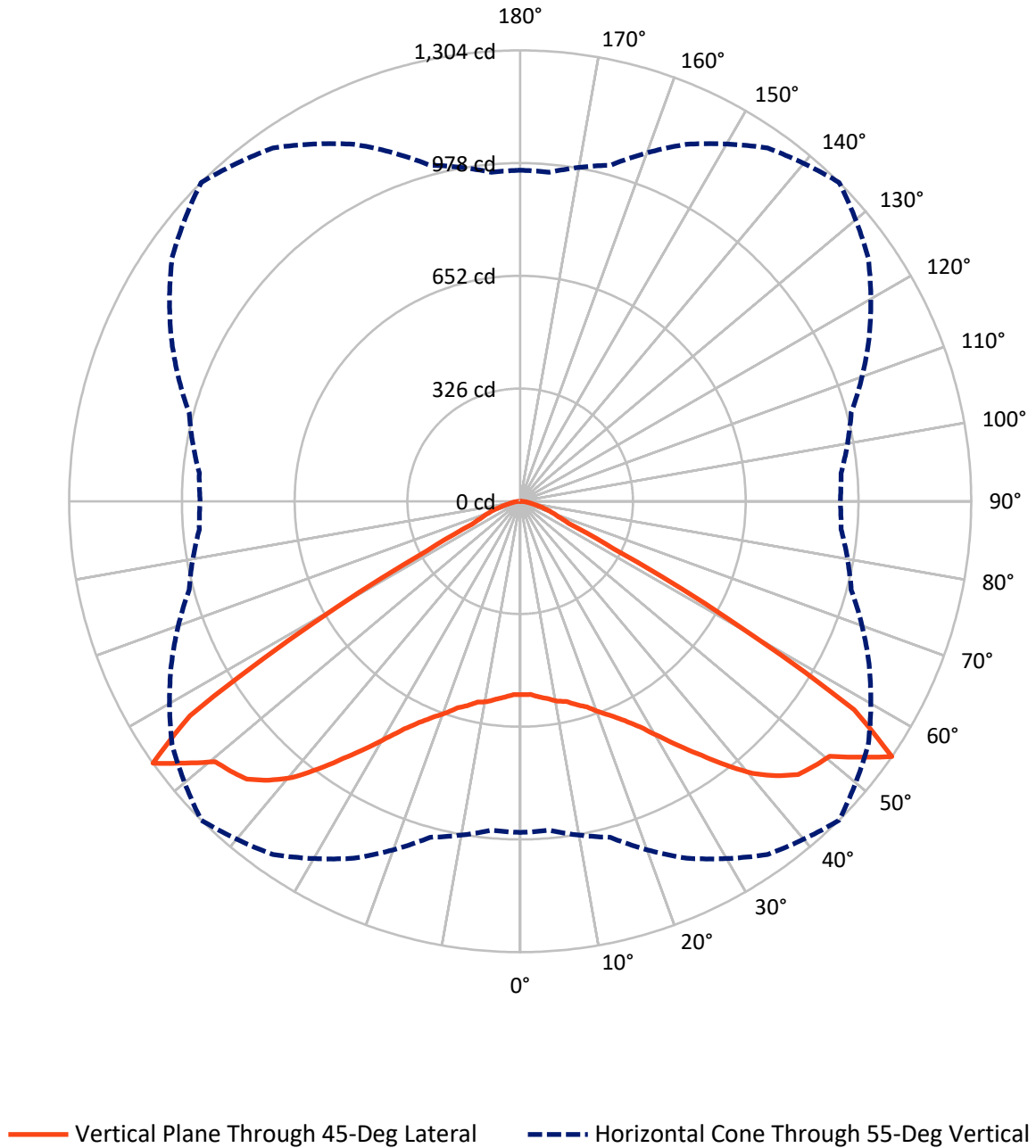
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 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	1532.0	0.0	1532.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1532.0	0.0	1532.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3064.0	0.0	3064.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	54.7	1.8
10°-20°	173.2	5.7
20°-30°	322.9	10.5
30°-40°	540.6	17.6
40°-50°	841.3	27.5
50°-60°	873.5	28.5
60°-70°	185.2	6.0
70°-80°	61.0	2.0
80°-90°	11.6	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°	3064.0	100.0
0°-180°	3064.0	100.0

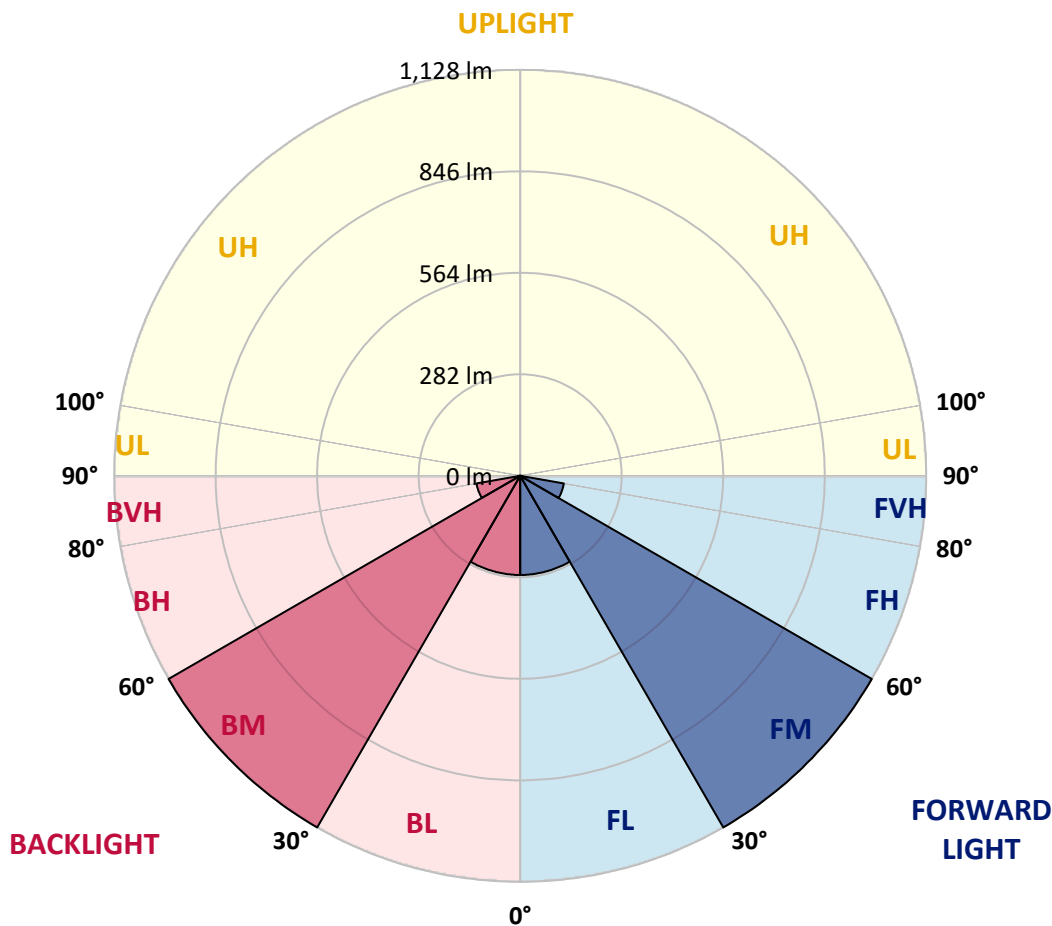


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	275.4	9.0			
FM (30°-60°)	1127.7	36.8			
FH (60°-80°)	123.1	4.0			G0/660
FVH (80°-90°)	5.8	0.2			G0/10
BL (0°-30°)	275.4	9.0	B1/500		
BM (30°-60°)	1127.7	36.8	B2/2500		
BH (60°-80°)	123.1	4.0	B1/500		G0/660
BVH (80°-90°)	5.8	0.2			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4	559.4
2.5°	566.1	563.5	559.1	562.4	565.0	559.4	561.7	562.8	562.0	559.1	560.2
5°	574.3	572.8	569.1	571.7	568.3	568.3	566.1	563.1	567.6	566.8	568.7
7.5°	574.3	572.4	579.8	575.0	576.5	576.5	572.8	569.8	572.0	568.7	566.8
10°	585.7	588.3	585.0	586.1	585.4	587.9	582.4	580.5	578.7	577.6	575.4
12.5°	599.4	597.6	598.7	597.9	600.5	593.9	590.5	586.5	589.8	585.0	588.3
15°	610.5	609.4	610.5	613.5	610.9	610.5	604.6	600.5	595.4	596.5	591.3
17.5°	625.7	624.6	625.0	627.6	627.2	625.3	620.9	613.1	611.3	608.3	605.0
20°	648.3	646.4	645.7	646.8	648.7	650.2	641.3	638.3	632.0	627.2	621.6
22.5°	667.6	666.8	669.8	665.0	669.0	673.5	665.0	663.5	647.9	645.3	639.4
25°	694.2	693.1	691.2	698.3	703.1	702.7	694.6	686.4	674.6	671.6	671.6
27.5°	722.3	716.1	725.7	727.5	736.0	738.6	731.6	719.8	708.6	702.4	703.8
30°	757.5	751.6	753.8	767.1	778.3	787.9	770.1	752.7	737.2	726.1	724.2
32.5°	792.7	786.8	793.4	806.4	828.6	843.0	825.6	795.3	777.1	760.9	764.2
35°	821.2	825.6	836.4	856.0	879.0	902.3	874.5	851.2	825.3	807.1	809.7
37.5°	867.1	880.8	889.3	911.9	944.5	968.6	939.7	909.3	881.6	857.9	849.7
40°	927.1	936.4	946.0	972.6	1011.1	1035.2	1007.8	968.2	940.8	916.4	915.2
42.5°	993.0	1001.9	1011.9	1044.5	1067.4	1085.6	1060.4	1039.3	1008.9	989.7	988.6
45°	1069.6	1063.3	1074.5	1095.9	1115.2	1127.0	1110.7	1100.4	1078.5	1060.8	1058.9
47.5°	1120.7	1115.2	1135.2	1154.4	1157.4	1144.4	1147.8	1157.4	1134.4	1105.2	1114.4
50°	1150.4	1150.4	1163.7	1181.5	1175.9	1159.2	1185.5	1186.3	1163.3	1137.4	1137.4
52.5°	1098.9	1110.4	1148.1	1206.3	1224.8	1229.6	1223.7	1198.5	1138.5	1085.6	1083.0
55°	957.5	954.9	1006.0	1139.2	1247.0	1304.0	1228.5	1112.6	990.8	931.2	925.2
57.5°	622.8	625.7	702.0	837.9	1032.2	1138.5	1011.1	848.2	702.0	619.8	627.6
60°	280.3	290.3	336.6	438.0	605.0	691.6	606.5	460.2	353.2	306.6	310.6
62.5°	161.1	162.9	164.8	195.5	257.7	304.7	267.7	206.6	182.2	174.0	174.0
65°	135.9	134.8	135.1	137.7	144.4	154.0	149.9	144.4	145.1	144.4	143.3
67.5°	115.5	117.0	115.9	117.7	118.1	119.6	122.2	124.4	124.8	125.5	124.8
70°	94.8	95.2	95.9	97.4	97.7	98.9	102.6	104.4	105.5	105.5	107.0
72.5°	72.6	72.2	72.9	74.4	76.3	76.6	80.0	82.6	84.0	82.2	82.6
75°	47.8	48.1	49.2	50.4	52.9	55.5	56.6	59.2	59.6	60.3	58.5
77.5°	28.5	29.2	30.4	32.6	34.8	37.0	39.6	41.5	42.2	41.5	39.2
80°	18.5	18.5	20.0	21.8	24.4	26.3	27.8	29.2	30.4	29.2	28.5
82.5°	11.5	11.5	13.3	15.6	17.4	18.5	20.7	22.6	23.7	23.0	21.8
85°	5.9	6.3	7.8	9.6	11.1	11.8	11.5	10.4	9.3	8.9	8.1
87.5°	1.9	1.9	2.2	2.2	1.9	1.9	2.2	1.9	2.2	2.2	2.2
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)