

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: P526743

Luminaire Tested: **GALN-SA1D-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526743
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1D-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS
WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3414 lumens
Efficiency: N/A
Efficacy: 52.5 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

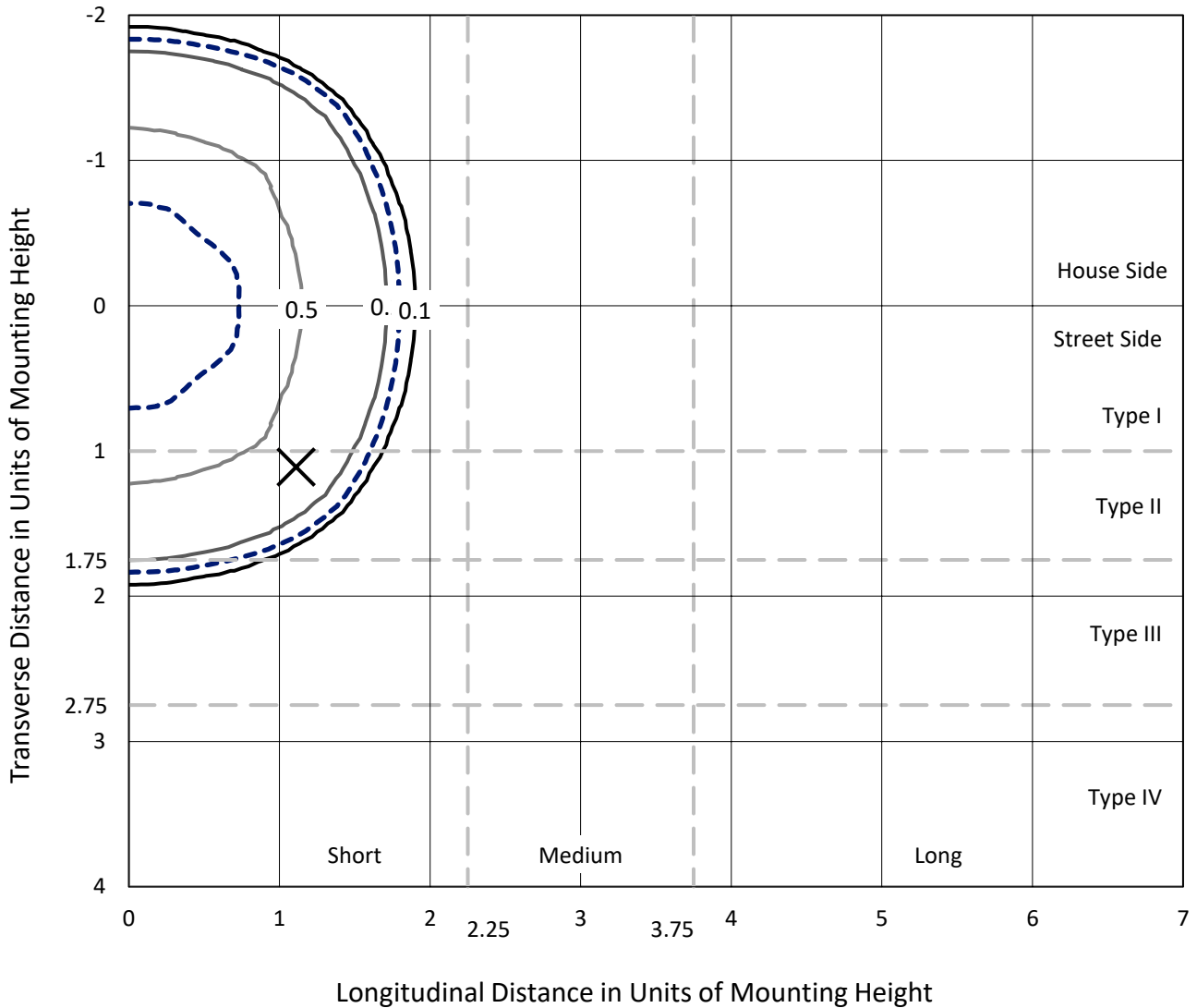
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

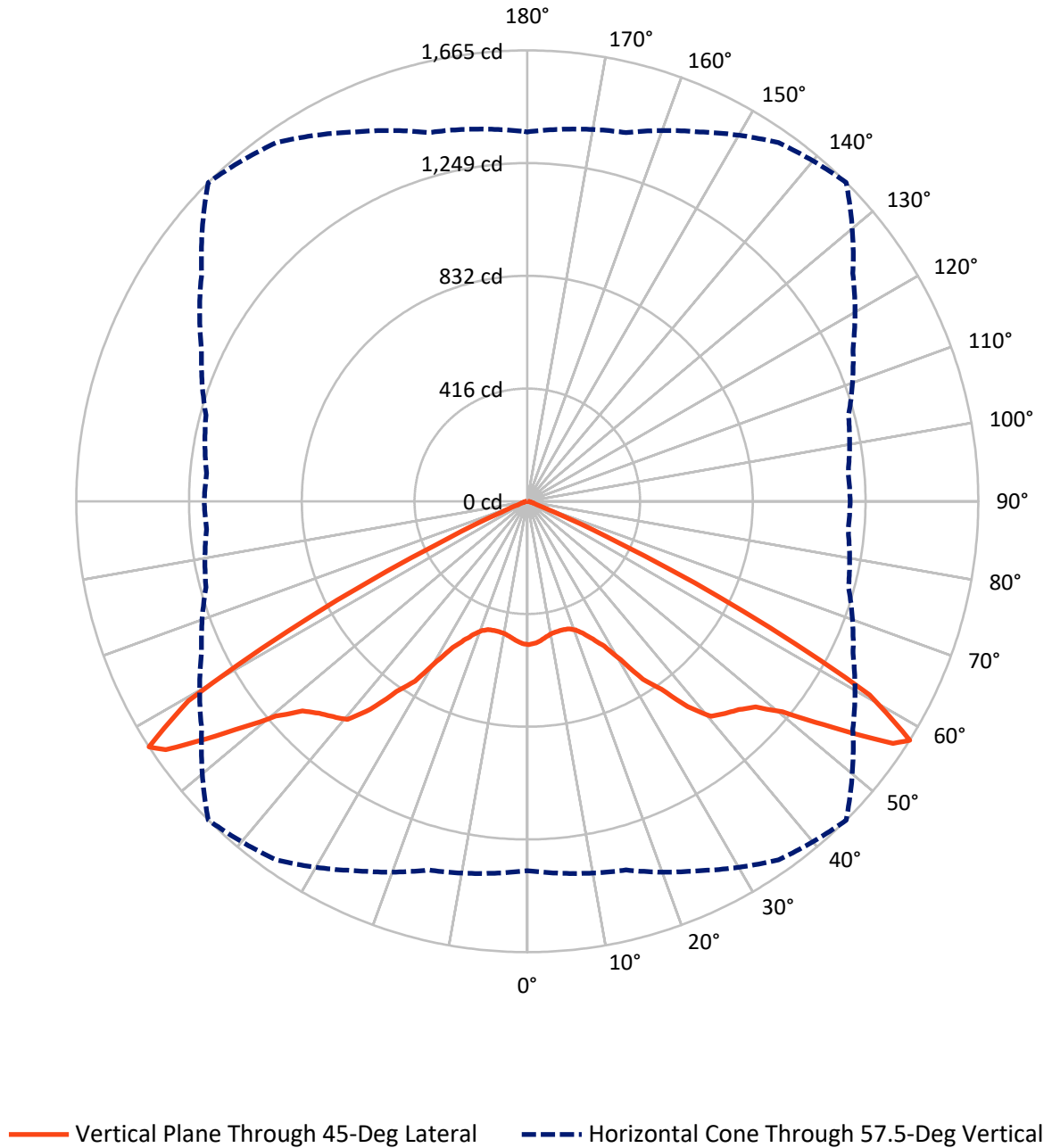
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.8 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	1707.0	0.0	1707.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1707.0	0.0	1707.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	3414.0	0.0	3414.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	48.7	1.4
10°-20°	140.7	4.1
20°-30°	259.6	7.6
30°-40°	510.6	15.0
40°-50°	831.6	24.4
50°-60°	1186.0	34.7
60°-70°	410.6	12.0
70°-80°	22.0	0.6
80°-90°	4.1	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°	3414.0	100.0
0°-180°	3414.0	100.0

Coefficient of Utilization

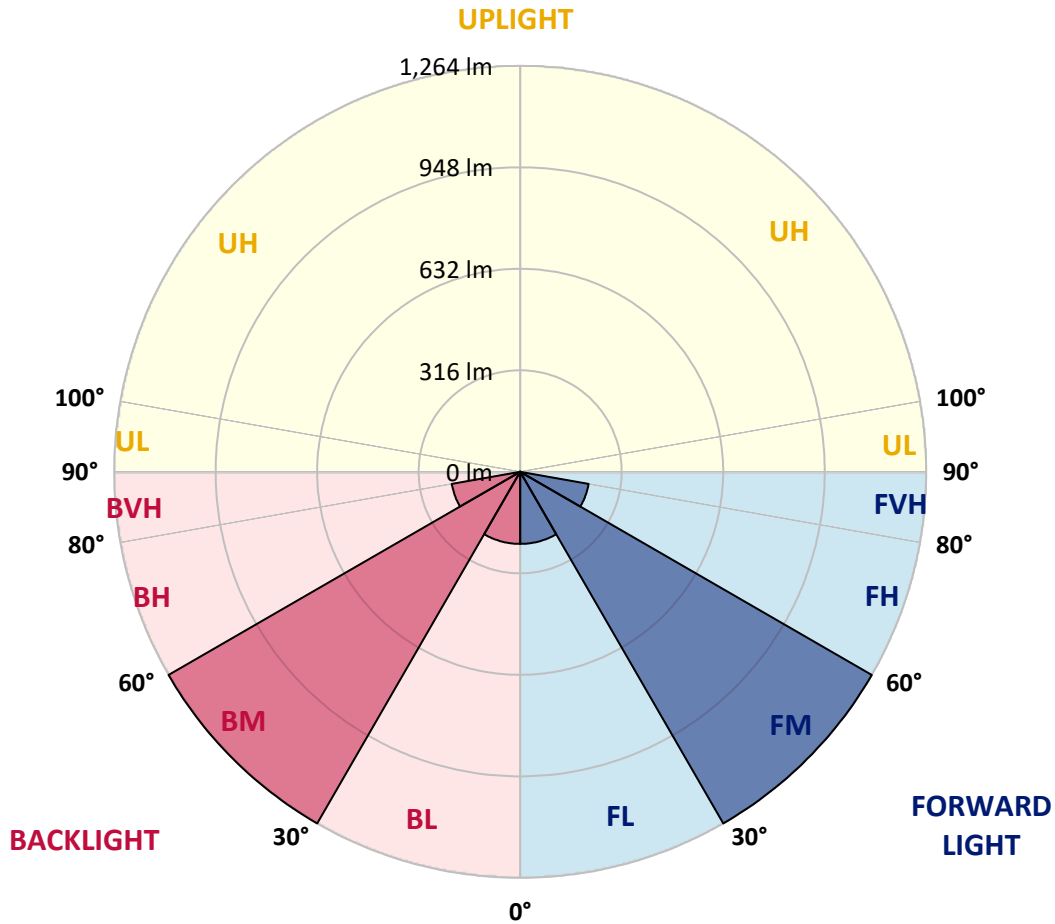


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	224.5	6.6			
FM (30°-60°)	1264.1	37.0			
FH (60°-80°)	216.3	6.3			G0/660
FVH (80°-90°)	2.1	0.1			G0/10
BL (0°-30°)	224.5	6.6	B1/500		
BM (30°-60°)	1264.1	37.0	B2/2500		
BH (60°-80°)	216.3	6.3	B1/500		G0/660
BVH (80°-90°)	2.1	0.1			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°	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5	529.5
2.5°	528.1	531.0	527.4	526.0	525.3	525.3	523.1	523.1	522.4	523.1	520.3
5°	519.6	522.4	522.4	521.7	517.4	516.7	514.6	513.2	513.9	511.0	513.2
7.5°	511.0	513.2	510.3	509.6	508.2	505.3	504.6	498.2	498.9	498.9	500.4
10°	509.6	508.9	504.6	501.1	496.8	496.1	494.0	492.5	492.5	491.8	494.0
12.5°	509.6	506.1	505.3	497.5	490.4	493.2	487.6	484.0	489.0	490.4	493.2
15°	508.9	512.5	500.4	496.8	491.8	492.5	487.6	484.0	486.8	488.3	490.4
17.5°	513.2	511.0	507.5	500.4	498.2	495.4	489.0	486.1	486.1	489.7	490.4
20°	524.6	518.9	511.8	508.2	510.3	506.8	498.9	488.3	491.1	494.0	496.1
22.5°	535.2	531.0	526.0	523.9	536.0	530.3	516.7	504.6	500.4	505.3	508.9
25°	555.9	555.9	546.6	549.5	563.0	563.7	548.1	526.7	523.9	526.0	527.4
27.5°	597.9	600.0	592.2	595.0	600.7	605.7	592.2	574.4	568.0	567.3	569.4
30°	643.4	647.7	647.0	659.1	675.5	678.3	658.4	629.2	610.0	606.4	609.3
32.5°	703.2	705.4	703.9	718.2	762.3	782.9	731.0	689.7	664.1	670.5	664.1
35°	815.7	813.5	797.9	800.7	837.0	852.0	802.2	775.8	763.7	776.5	773.7
37.5°	912.5	904.6	891.8	910.3	948.1	961.6	909.6	863.4	841.3	862.6	871.9
40°	994.3	974.4	956.6	975.1	1025.6	1044.1	968.0	930.3	921.7	937.4	957.3
42.5°	1063.4	1050.6	1027.1	1028.5	1061.9	1070.5	1009.3	987.2	978.7	1003.6	1013.5
45°	1112.5	1100.4	1078.3	1076.9	1102.5	1096.8	1042.0	1027.1	1032.0	1048.4	1053.4
47.5°	1137.4	1143.8	1131.0	1134.5	1148.1	1134.5	1091.1	1091.1	1079.7	1089.7	1084.7
50°	1209.3	1189.3	1205.7	1205.7	1220.0	1221.4	1178.0	1162.3	1131.7	1114.6	1114.6
52.5°	1293.3	1294.7	1301.1	1324.6	1348.8	1369.4	1307.5	1240.6	1189.3	1167.3	1164.4
55°	1362.3	1376.5	1402.2	1446.3	1516.0	1544.5	1437.7	1318.2	1255.5	1221.4	1214.3
56°	1400.0	1386.5	1430.6	1491.1	1582.2	1619.2	1459.1	1333.8	1264.8	1226.4	1225.6
57.5°	1363.7	1378.7	1409.3	1504.7	1616.4	1664.8	1466.9	1326.7	1227.8	1188.6	1192.2
60°	1076.9	1091.1	1132.4	1239.2	1414.3	1452.0	1241.3	1094.0	1005.7	949.5	950.2
62.5°	609.3	619.9	652.0	750.9	859.8	896.1	773.7	675.5	614.2	582.9	573.0
65°	224.2	219.9	224.9	275.4	342.4	373.0	321.7	271.9	239.9	228.5	224.2
67.5°	84.0	77.6	72.6	77.6	97.5	103.2	94.7	79.0	74.0	76.2	77.6
70°	52.0	49.1	39.1	37.0	36.3	35.6	37.7	39.9	45.6	53.4	54.8
72.5°	36.3	34.2	27.8	26.3	24.9	24.2	27.8	30.6	35.6	41.3	42.0
75°	14.2	14.9	14.2	15.7	16.4	17.1	19.9	22.1	24.2	24.2	23.5
77.5°	2.8	2.8	4.3	5.7	7.1	9.3	13.5	15.7	16.4	15.7	13.5
80°	0.0	0.0	1.4	2.8	5.7	7.8	12.1	13.5	14.9	13.5	10.7
82.5°	0.0	0.0	1.4	3.6	5.7	7.1	11.4	14.2	16.4	14.9	11.4
85°	0.0	0.0	1.4	2.8	4.3	5.0	5.0	3.6	3.6	2.1	1.4
87.5°	0.0	0.0	0.0	0.0	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)