

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: P526741

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526741
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4497 lumens
Efficiency: N/A
Efficacy: 69.2 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

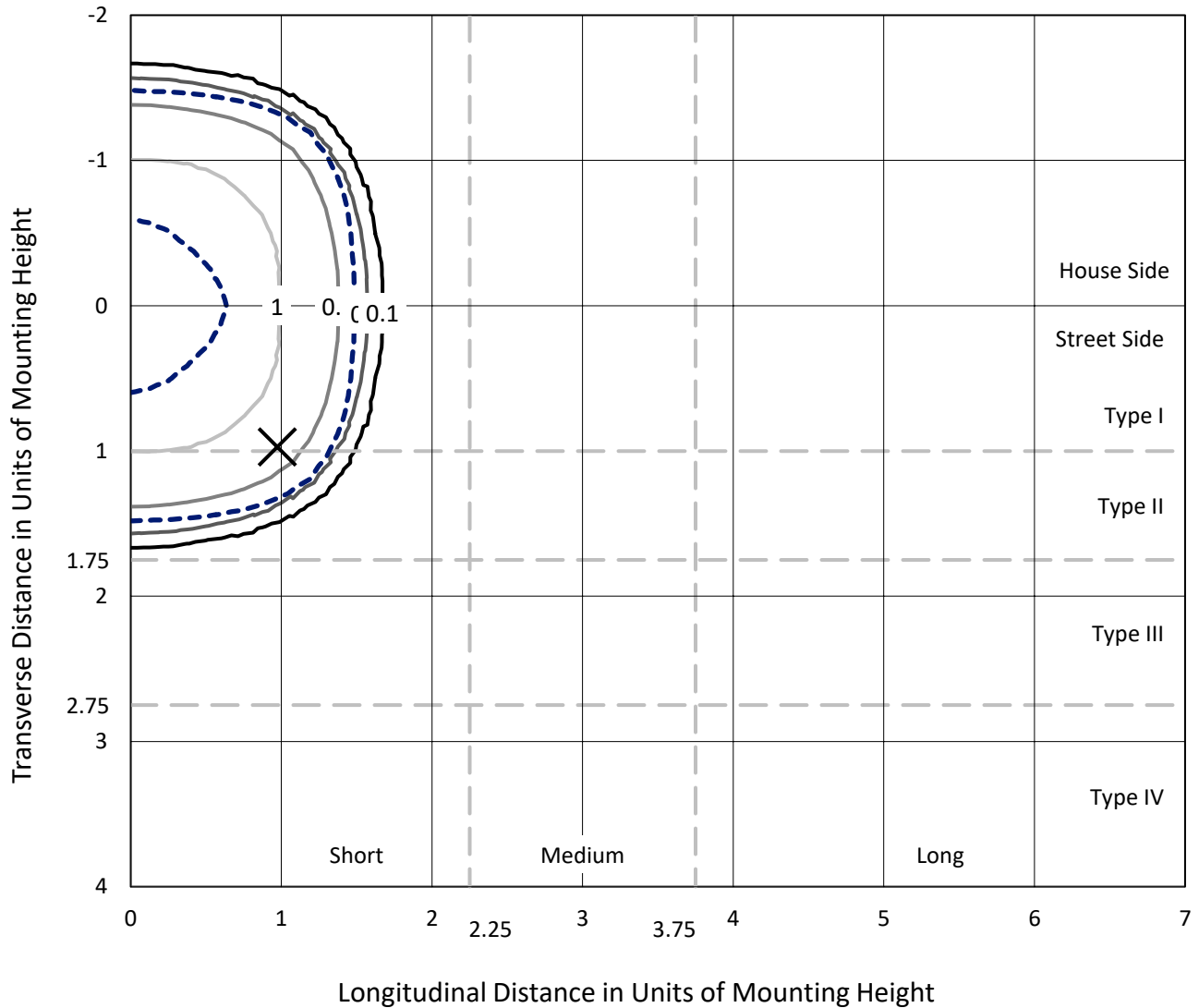
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

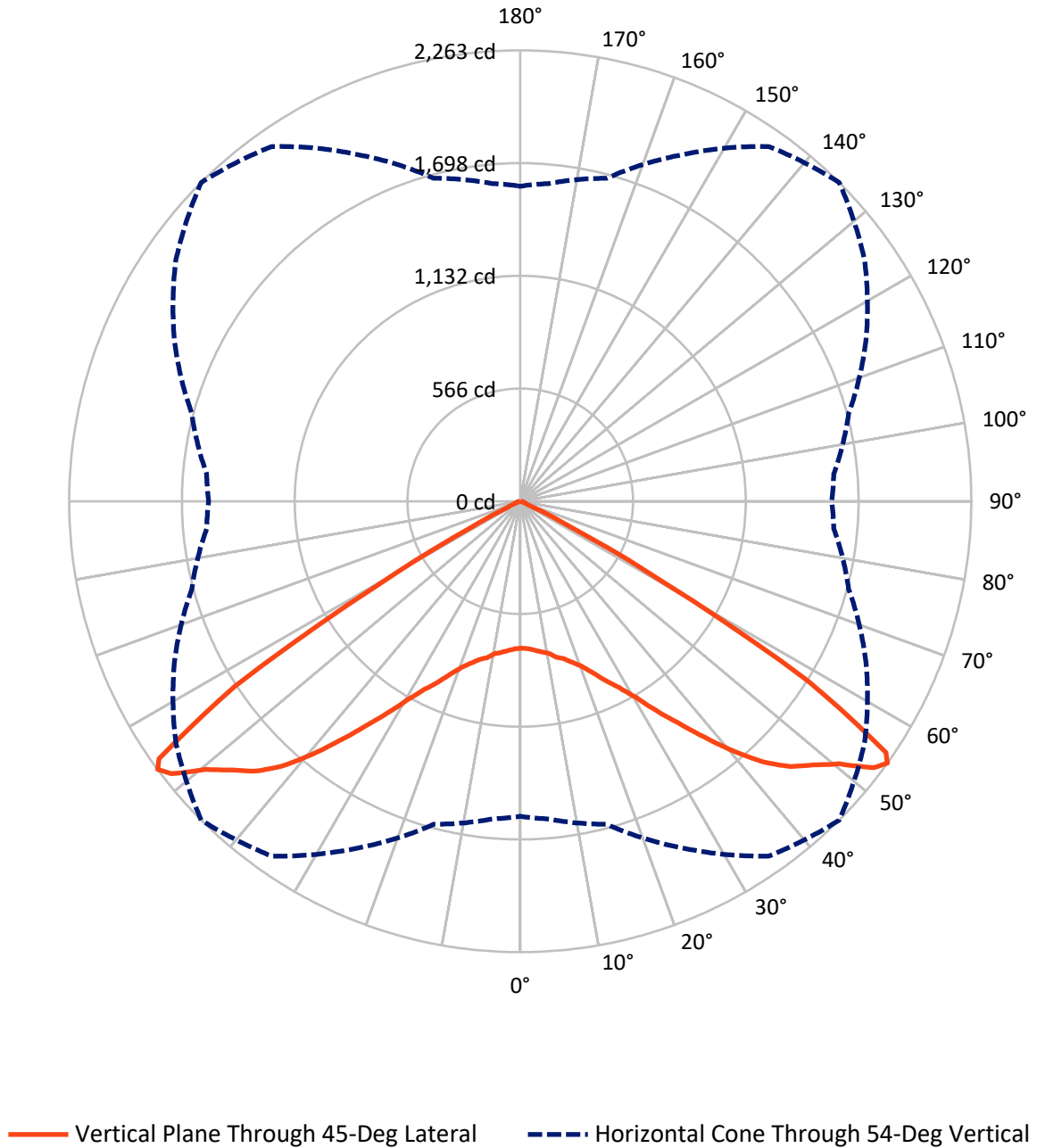
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 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	2248.5	0.0	2248.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2248.5	0.0	2248.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4497.0	0.0	4497.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.2	1.6
10°-20°	233.7	5.2
20°-30°	458.1	10.2
30°-40°	823.7	18.3
40°-50°	1410.0	31.4
50°-60°	1364.3	30.3
60°-70°	116.8	2.6
70°-80°	13.8	0.3
80°-90°	4.3	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°	4497.0	100.0
0°-180°	4497.0	100.0

Coefficient of Utilization

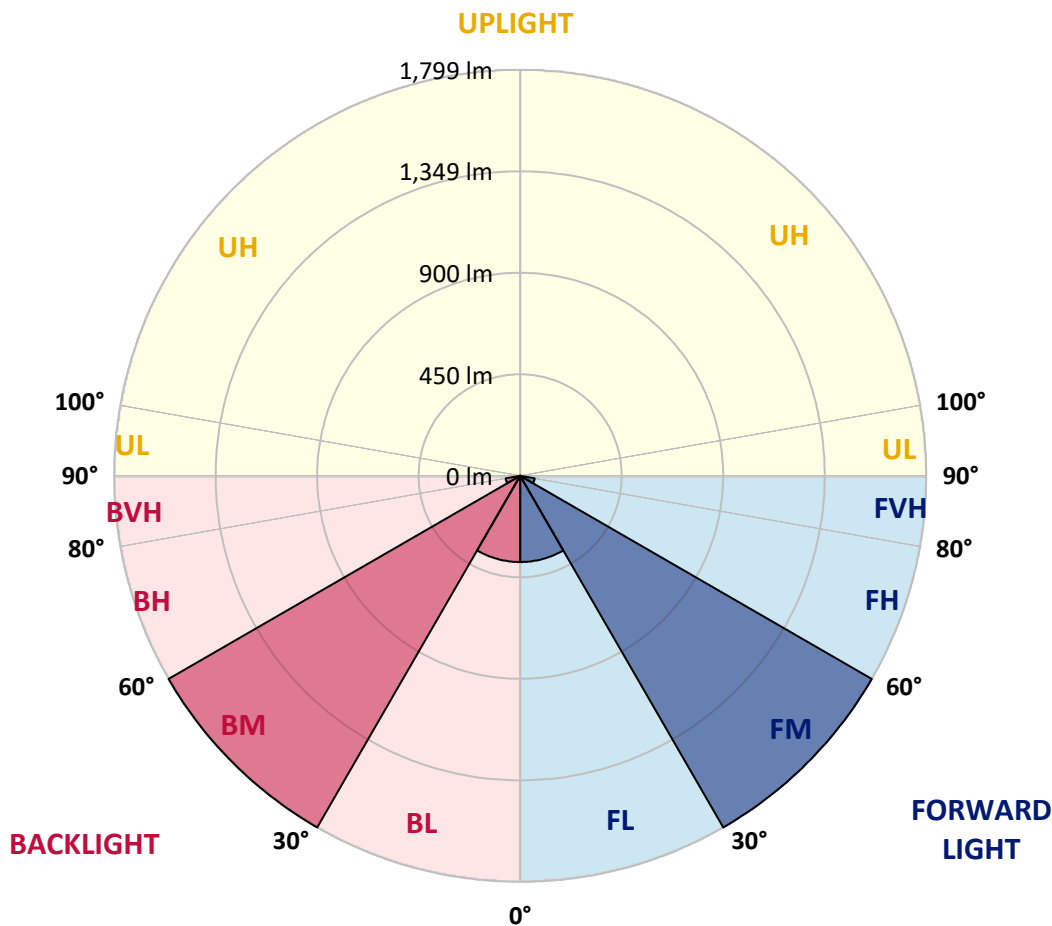


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	382.0	8.5			
FM (30°-60°)	1799.0	40.0			
FH (60°-80°)	65.3	1.5			G0/660
FVH (80°-90°)	2.2	0.0			G0/10
BL (0°-30°)	382.0	8.5	B1/500		
BM (30°-60°)	1799.0	40.0	B2/2500		
BH (60°-80°)	65.3	1.5	B0/110		G0/660
BVH (80°-90°)	2.2	0.0			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°	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4	737.4
2.5°	740.9	745.2	742.4	744.5	744.5	740.9	743.1	734.5	740.2	735.9	736.7
5°	752.3	751.6	751.6	752.3	749.5	750.9	748.1	745.2	743.1	740.2	748.8
7.5°	766.6	766.6	761.6	763.0	761.6	763.7	758.0	752.3	750.2	748.1	746.6
10°	780.1	778.7	776.6	783.0	778.0	775.1	772.3	768.7	760.9	758.0	755.2
12.5°	800.1	799.3	796.5	802.9	800.1	802.9	792.2	783.0	781.5	772.3	777.3
15°	823.6	830.0	825.0	825.0	823.6	820.0	815.7	811.5	798.6	795.1	795.8
17.5°	854.2	852.1	852.8	852.8	859.9	850.6	842.1	831.4	825.0	822.9	815.7
20°	883.4	886.3	885.6	890.5	894.8	884.8	875.6	874.2	856.3	859.2	849.2
22.5°	934.7	932.6	936.1	939.7	936.8	935.4	926.9	916.2	900.5	893.4	892.0
25°	988.9	985.3	978.9	987.4	991.7	998.1	981.7	976.0	951.8	941.1	941.8
27.5°	1035.2	1040.2	1047.3	1050.8	1061.5	1059.4	1048.0	1029.5	1010.9	998.8	991.0
30°	1098.6	1101.4	1113.5	1118.5	1137.0	1142.0	1124.2	1102.8	1070.1	1054.4	1045.1
32.5°	1157.0	1176.9	1176.2	1201.2	1231.1	1251.7	1219.7	1186.9	1154.1	1135.6	1119.2
35°	1251.7	1248.2	1268.8	1295.2	1343.6	1367.2	1332.2	1294.5	1244.6	1214.7	1201.9
37.5°	1340.1	1341.5	1369.3	1411.3	1466.9	1503.2	1472.6	1410.6	1359.3	1320.9	1303.0
40°	1468.3	1471.2	1499.7	1547.4	1610.1	1649.3	1613.7	1551.0	1482.6	1452.7	1452.7
42.5°	1618.6	1630.8	1649.3	1690.6	1746.9	1790.3	1758.3	1709.1	1640.0	1601.5	1607.2
45°	1773.2	1778.9	1791.1	1852.3	1878.7	1900.1	1870.1	1847.3	1801.0	1754.0	1746.2
47.5°	1917.9	1920.0	1955.6	1974.9	1995.5	1977.7	1996.9	1967.0	1915.0	1869.4	1860.2
50°	1982.0	1978.4	2029.0	2087.4	2103.1	2071.8	2055.4	2035.4	1956.3	1901.5	1877.3
52.5°	1795.3	1816.0	1910.0	2072.5	2195.0	2221.4	2125.9	2034.0	1886.5	1779.7	1763.3
54°	1581.6	1600.8	1678.5	1919.3	2174.3	2263.4	2109.5	1914.3	1706.3	1579.5	1563.1
55°	1370.0	1348.6	1489.7	1735.5	2077.5	2226.4	2044.7	1759.7	1521.8	1405.6	1382.8
57.5°	741.6	745.2	864.2	1096.4	1459.8	1707.0	1507.5	1190.5	899.1	768.7	757.3
60°	235.1	240.8	292.8	443.1	697.5	832.8	713.9	478.0	330.6	265.0	254.3
62.5°	73.4	76.2	83.4	124.0	190.9	272.9	213.7	128.2	95.5	87.6	89.1
65°	44.9	44.9	45.6	48.4	57.0	66.3	64.1	56.3	54.1	52.7	52.0
67.5°	29.2	28.5	29.9	32.1	33.5	34.2	36.3	38.5	37.8	36.3	36.3
70°	17.8	17.1	18.5	21.4	22.1	23.5	25.6	28.5	27.8	26.4	27.1
72.5°	10.0	10.0	10.7	12.8	15.0	16.4	18.5	20.7	21.4	20.7	20.7
75°	3.6	4.3	5.7	7.8	9.3	11.4	13.5	15.7	17.8	16.4	15.7
77.5°	1.4	1.4	2.8	5.0	7.1	9.3	12.8	15.0	16.4	15.0	13.5
80°	0.7	0.7	2.1	4.3	6.4	8.5	10.7	12.8	13.5	12.1	10.7
82.5°	0.7	0.7	2.1	4.3	6.4	7.8	11.4	12.8	14.2	12.8	10.7
85°	0.0	0.7	2.1	4.3	5.7	6.4	6.4	4.3	3.6	2.1	2.1
87.5°	0.0	0.0	0.7	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)