

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: P526793

Luminaire Tested: **GALN-SA1D-735-U-5NQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526793
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-735-U-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 5009 lumens
Efficiency: N/A
Efficacy: 77.1 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

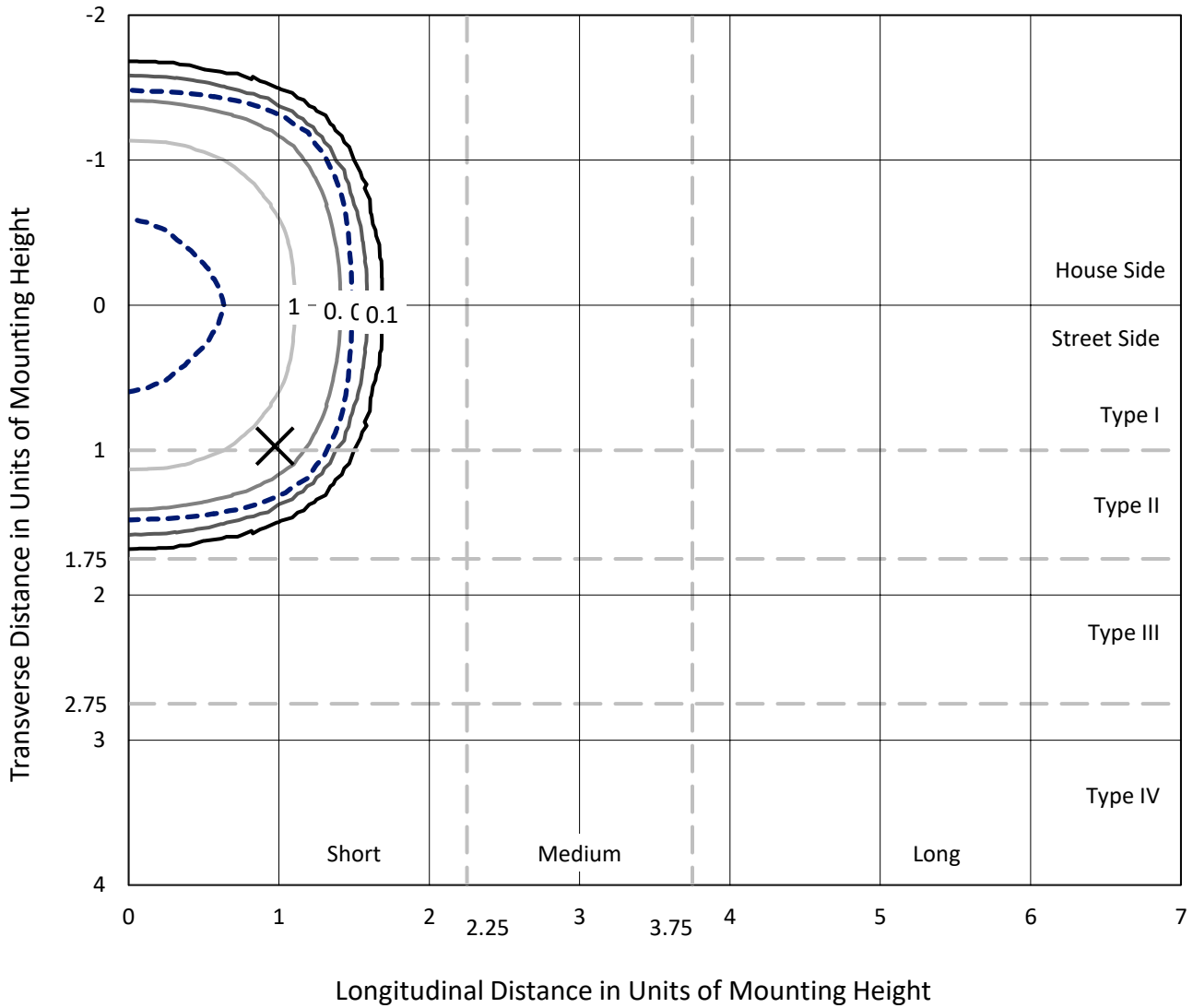
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

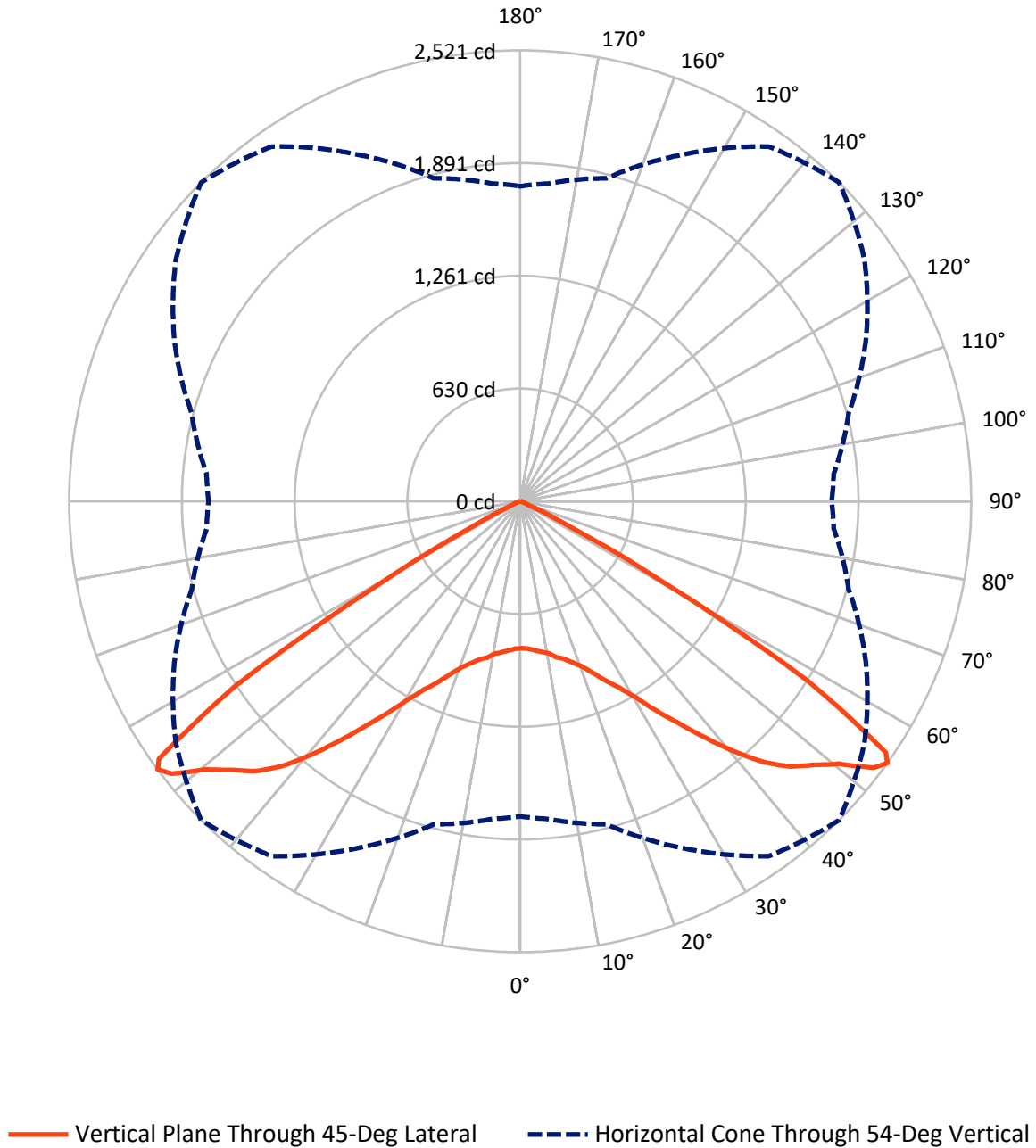
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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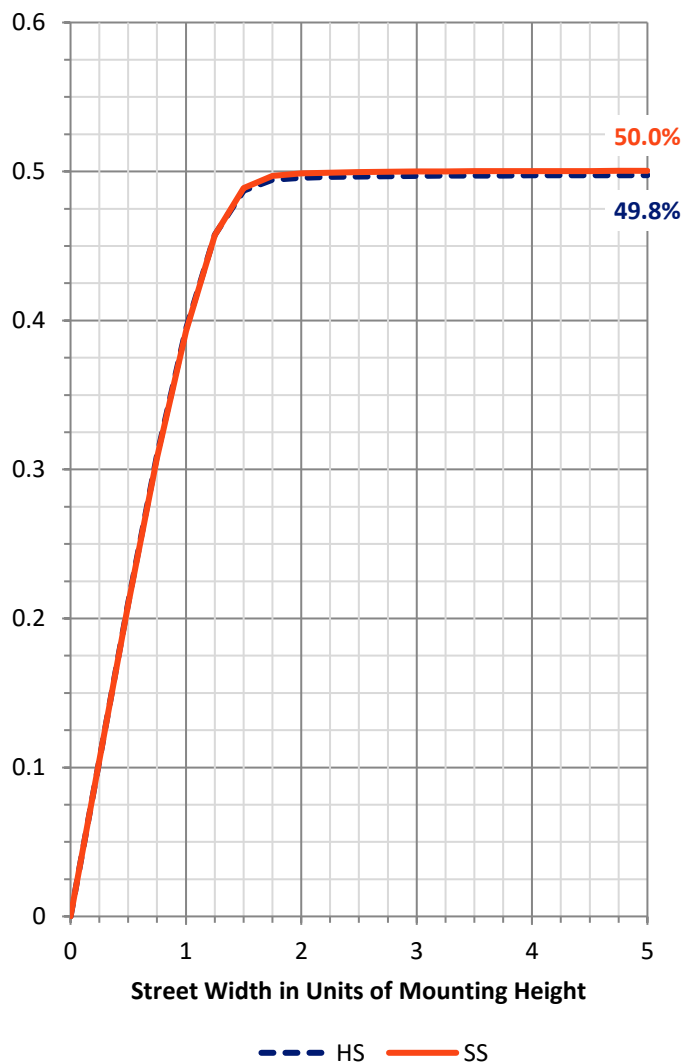
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2504.5	0.0	2504.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2504.5	0.0	2504.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5009.0	0.0	5009.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.4	1.6
10°-20°	260.3	5.2
20°-30°	510.2	10.2
30°-40°	917.5	18.3
40°-50°	1570.6	31.4
50°-60°	1519.7	30.3
60°-70°	130.1	2.6
70°-80°	15.4	0.3
80°-90°	4.8	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°	5009.0	100.0
0°-180°	5009.0	100.0

Coefficient of Utilization

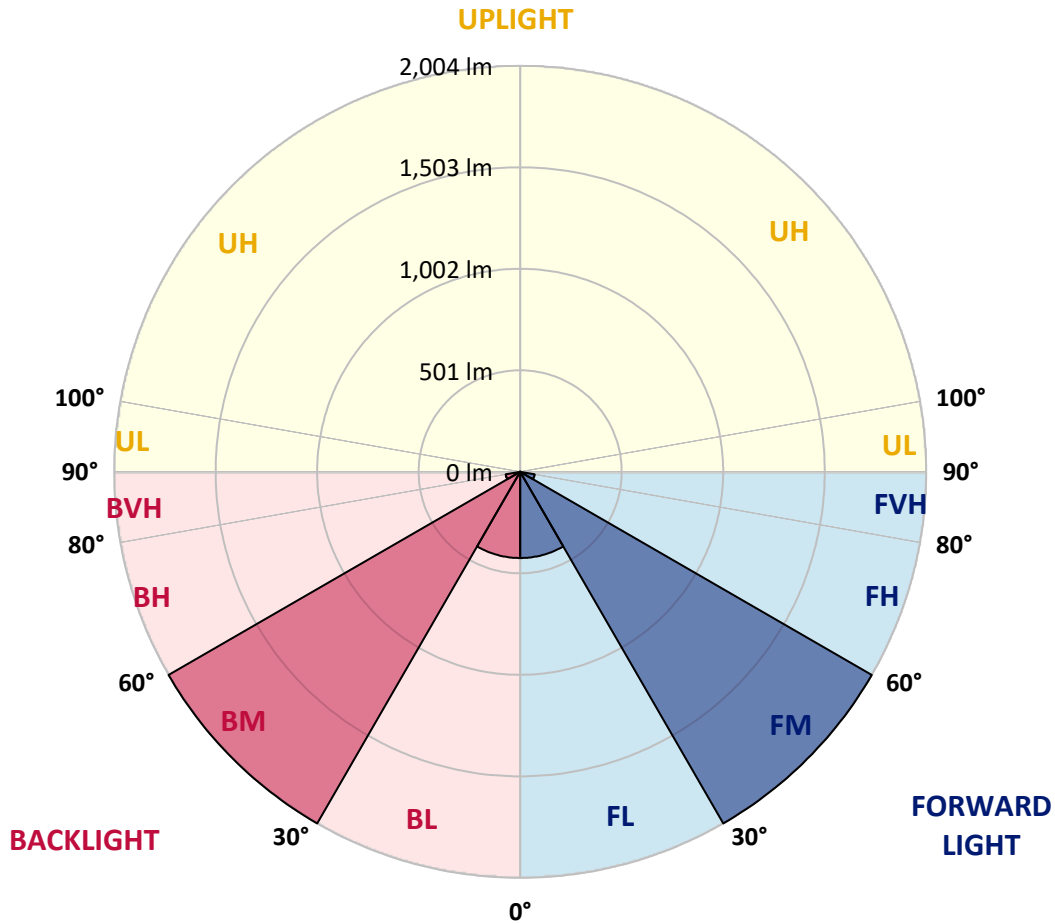


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	425.5	8.5			
FM (30°-60°)	2003.9	40.0			
FH (60°-80°)	72.8	1.5			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	425.5	8.5	B1/500		
BM (30°-60°)	2003.9	40.0	B2/2500		
BH (60°-80°)	72.8	1.5	B0/110		G0/660
BVH (80°-90°)	2.4	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°	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3	821.3
2.5°	825.3	830.0	826.9	829.3	829.3	825.3	827.7	818.1	824.5	819.7	820.5
5°	838.0	837.2	837.2	838.0	834.8	836.4	833.2	830.0	827.7	824.5	834.0
7.5°	853.9	853.9	848.3	849.9	848.3	850.7	844.3	838.0	835.6	833.2	831.6
10°	868.9	867.3	865.0	872.1	866.6	863.4	860.2	856.2	847.5	844.3	841.2
12.5°	891.2	890.4	887.2	894.3	891.2	894.3	882.4	872.1	870.5	860.2	865.8
15°	917.3	924.5	918.9	918.9	917.3	913.4	908.6	903.8	889.6	885.6	886.4
17.5°	951.5	949.1	949.9	949.9	957.8	947.5	938.0	926.1	918.9	916.5	908.6
20°	984.0	987.2	986.4	991.9	996.7	985.6	975.3	973.7	953.8	957.0	945.9
22.5°	1041.1	1038.8	1042.7	1046.7	1043.5	1041.9	1032.4	1020.5	1003.0	995.1	993.5
25°	1101.4	1097.5	1090.3	1099.9	1104.6	1111.8	1093.5	1087.2	1060.2	1048.3	1049.1
27.5°	1153.0	1158.6	1166.5	1170.5	1182.4	1180.0	1167.3	1146.7	1126.0	1112.6	1103.8
30°	1223.6	1226.8	1240.3	1245.9	1266.5	1272.1	1252.2	1228.4	1191.9	1174.4	1164.1
32.5°	1288.7	1310.9	1310.1	1337.9	1371.2	1394.3	1358.6	1322.0	1285.5	1264.9	1246.7
35°	1394.3	1390.3	1413.3	1442.7	1496.6	1522.8	1483.9	1441.9	1386.3	1353.0	1338.7
37.5°	1492.7	1494.2	1525.2	1572.0	1633.9	1674.4	1640.3	1571.2	1514.1	1471.2	1451.4
40°	1635.5	1638.7	1670.4	1723.6	1793.4	1837.1	1797.4	1727.5	1651.4	1618.0	1618.0
42.5°	1802.9	1816.4	1837.1	1883.1	1945.8	1994.2	1958.5	1903.7	1826.7	1783.9	1790.2
45°	1975.1	1981.5	1995.0	2063.2	2092.6	2116.4	2083.1	2057.7	2006.1	1953.7	1945.0
47.5°	2136.2	2138.6	2178.3	2199.7	2222.7	2202.9	2224.3	2191.0	2133.1	2082.3	2071.9
50°	2207.6	2203.7	2260.0	2325.1	2342.5	2307.6	2289.4	2267.2	2179.1	2118.0	2091.0
52.5°	1999.7	2022.7	2127.5	2308.4	2444.9	2474.3	2367.9	2265.6	2101.3	1982.3	1964.0
54°	1761.7	1783.1	1869.6	2137.8	2421.9	2521.1	2349.7	2132.3	1900.5	1759.3	1741.0
55°	1526.0	1502.2	1659.3	1933.1	2314.0	2479.8	2277.5	1960.1	1695.0	1565.7	1540.3
57.5°	826.1	830.0	962.6	1221.3	1626.0	1901.3	1679.1	1326.0	1001.5	856.2	843.5
60°	261.9	268.2	326.1	493.6	776.9	927.7	795.1	532.5	368.2	295.2	283.3
62.5°	81.7	84.9	92.8	138.1	212.7	303.9	238.1	142.8	106.3	97.6	99.2
65°	50.0	50.0	50.8	54.0	63.5	73.8	71.4	62.7	60.3	58.7	57.9
67.5°	32.5	31.7	33.3	35.7	37.3	38.1	40.5	42.9	42.1	40.5	40.5
70°	19.8	19.0	20.6	23.8	24.6	26.2	28.6	31.7	30.9	29.4	30.2
72.5°	11.1	11.1	11.9	14.3	16.7	18.3	20.6	23.0	23.8	23.0	23.0
75°	4.0	4.8	6.3	8.7	10.3	12.7	15.1	17.5	19.8	18.3	17.5
77.5°	1.6	1.6	3.2	5.6	7.9	10.3	14.3	16.7	18.3	16.7	15.1
80°	0.8	0.8	2.4	4.8	7.1	9.5	11.9	14.3	15.1	13.5	11.9
82.5°	0.8	0.8	2.4	4.8	7.1	8.7	12.7	14.3	15.9	14.3	11.9
85°	0.0	0.8	2.4	4.8	6.3	7.1	7.1	4.8	4.0	2.4	2.4
87.5°	0.0	0.0	0.8	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)