

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: P526800

Luminaire Tested: **GALN-SA1D-735-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526800
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
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-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6389 lumens
Efficiency: N/A
Efficacy: 98.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

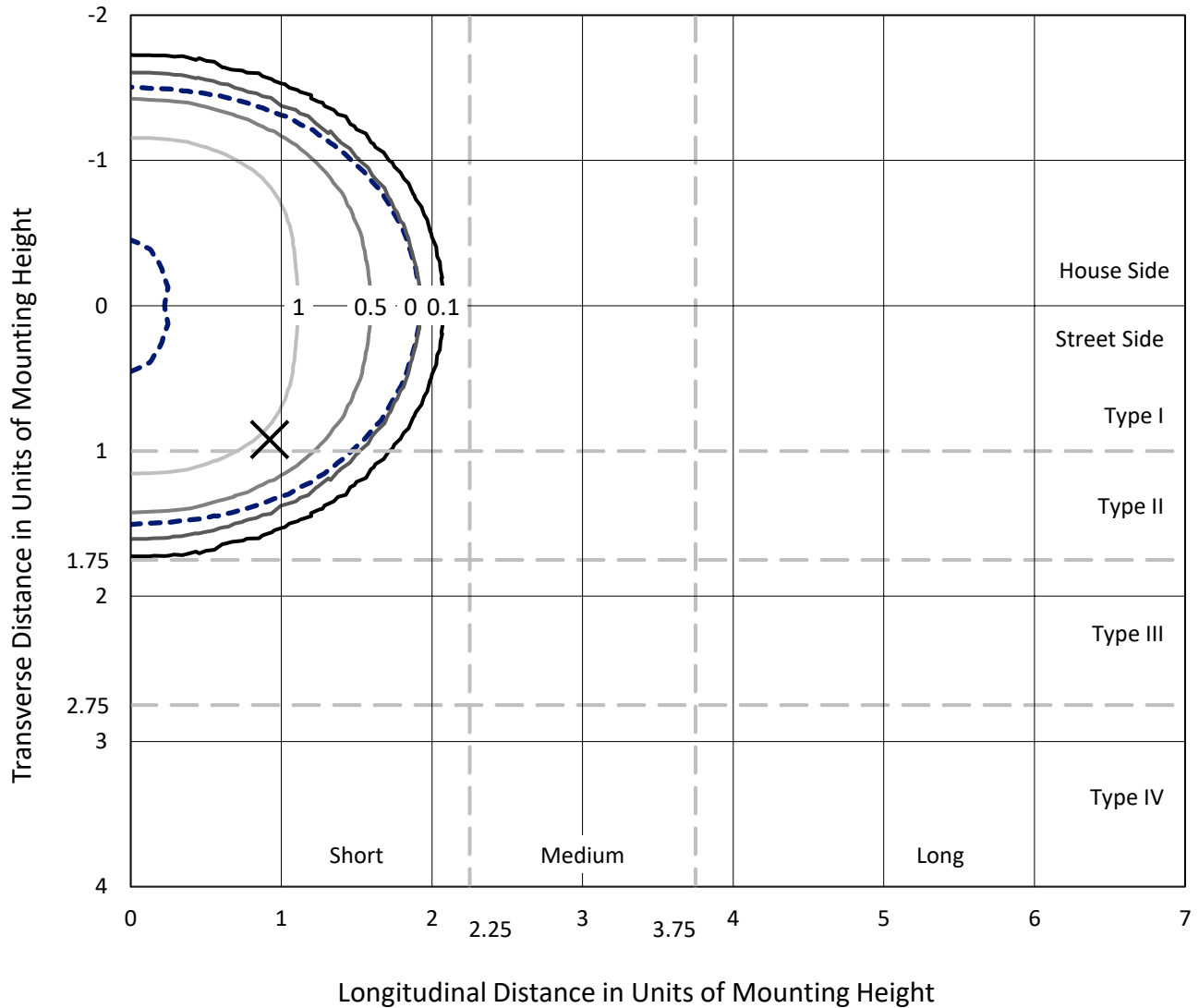
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

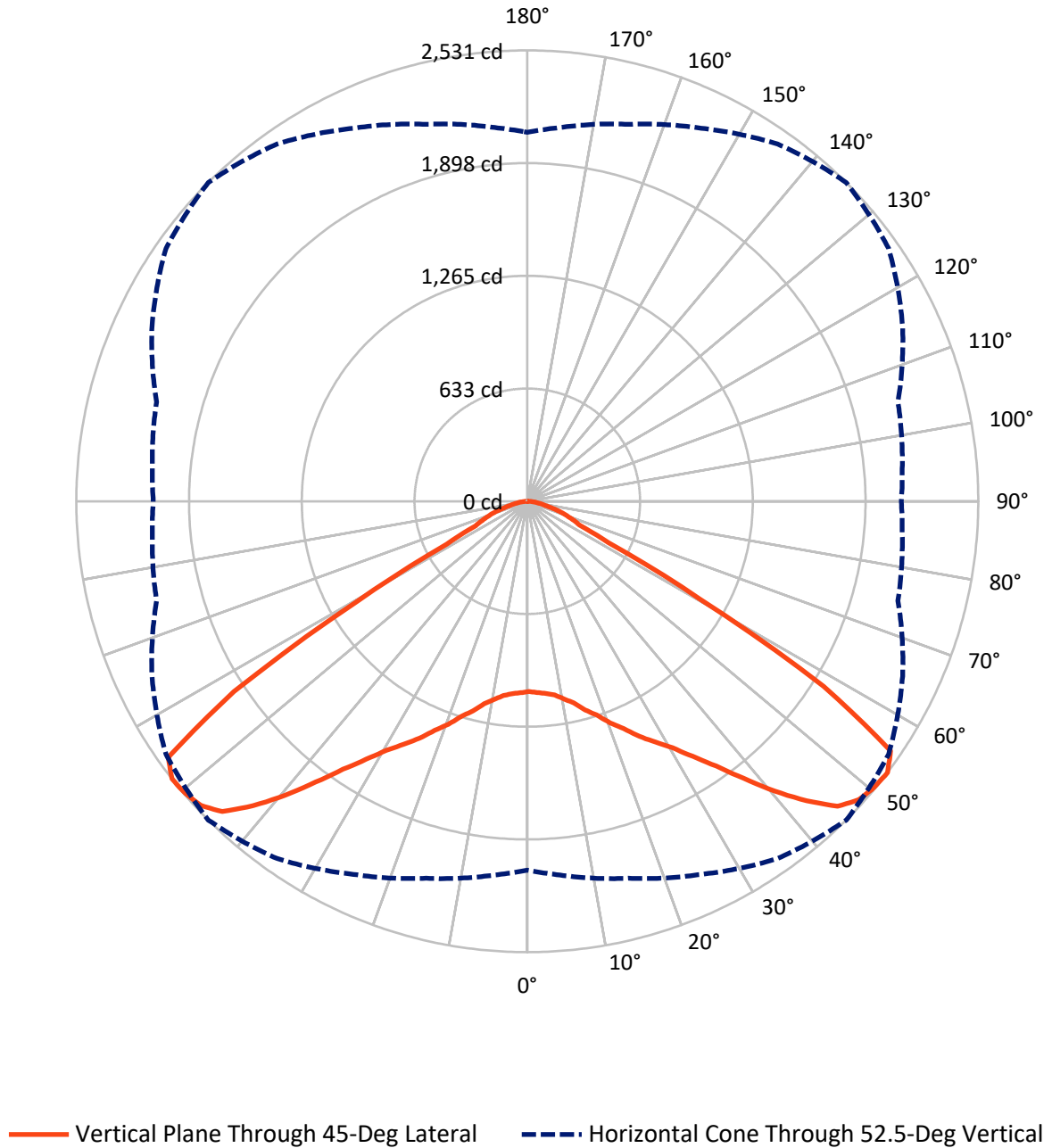
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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	3194.5	0.0	3194.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3194.5	0.0	3194.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6389.0	0.0	6389.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	104.9	1.6
10°-20°	344.8	5.4
20°-30°	656.4	10.3
30°-40°	1127.1	17.6
40°-50°	1732.4	27.1
50°-60°	1759.3	27.5
60°-70°	490.3	7.7
70°-80°	144.6	2.3
80°-90°	29.1	0.5
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°	6389.0	100.0
0°-180°	6389.0	100.0

Coefficient of Utilization



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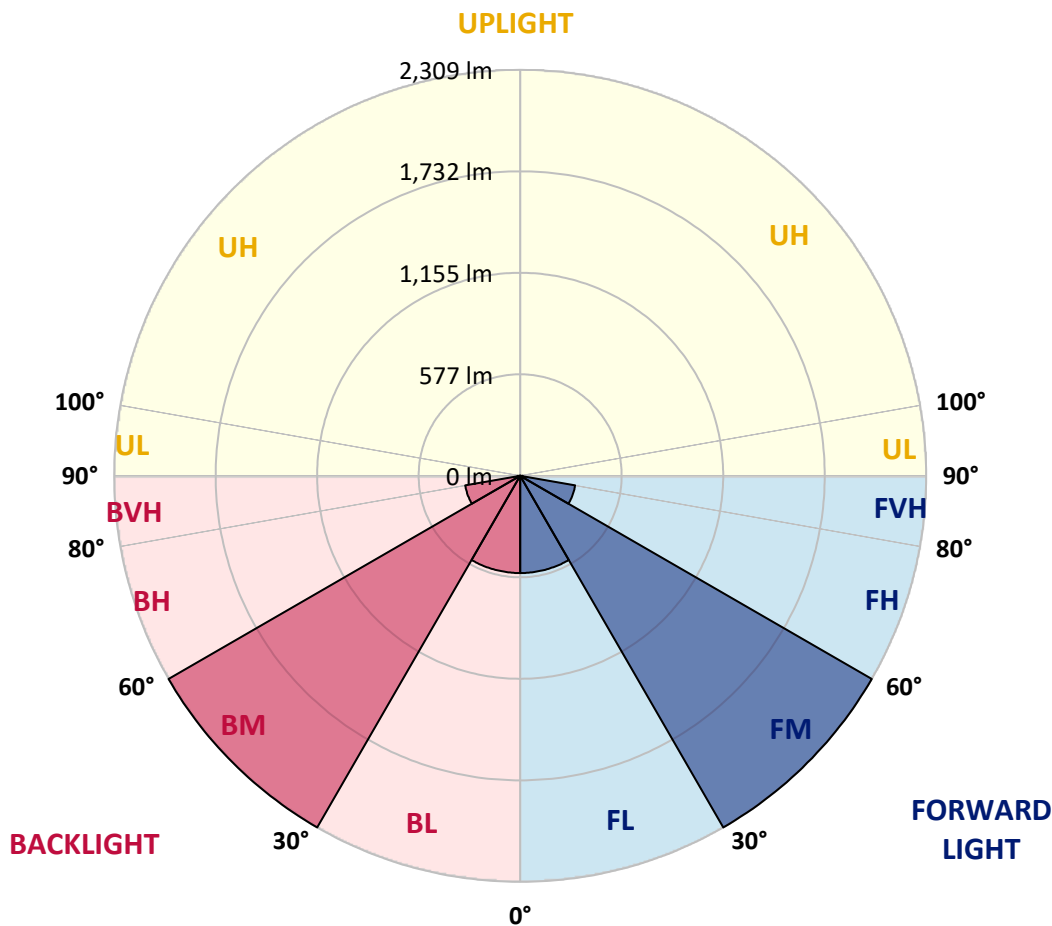
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	553.1	8.7			
FM (30°-60°)	2309.4	36.1			
FH (60°-80°)	317.5	5.0			G0/660
FVH (80°-90°)	14.6	0.2			G1/100
BL (0°-30°)	553.1	8.7	B2/1000		
BM (30°-60°)	2309.4	36.1	B2/2500		
BH (60°-80°)	317.5	5.0	B1/500		G0/660
BVH (80°-90°)	14.6	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0	1068.0
2.5°	1070.4	1059.3	1063.2	1065.6	1075.9	1075.1	1072.8	1075.9	1079.1	1079.9	1078.3
5°	1069.6	1061.7	1064.8	1067.2	1077.5	1083.1	1081.5	1095.0	1104.5	1102.1	1114.0
7.5°	1063.2	1068.0	1064.0	1075.9	1084.7	1098.1	1112.4	1125.1	1137.0	1150.5	1152.8
10°	1077.5	1077.5	1084.7	1094.2	1117.2	1127.5	1148.1	1166.3	1189.3	1205.2	1198.8
12.5°	1092.6	1095.0	1095.0	1119.5	1138.6	1161.6	1180.6	1205.2	1237.7	1256.7	1266.2
15°	1107.6	1109.2	1117.2	1150.5	1179.0	1215.5	1232.9	1255.1	1273.4	1309.0	1309.8
17.5°	1121.1	1129.8	1153.6	1190.9	1226.6	1261.5	1289.2	1312.2	1328.1	1342.3	1339.2
20°	1171.9	1178.2	1202.8	1240.1	1293.2	1327.3	1336.8	1340.8	1351.1	1379.6	1370.9
22.5°	1221.0	1223.4	1246.4	1303.5	1340.8	1385.9	1396.3	1393.9	1397.8	1405.0	1417.7
25°	1271.8	1275.7	1307.5	1355.8	1408.1	1462.1	1470.8	1452.6	1447.0	1454.9	1455.7
27.5°	1336.8	1337.6	1378.0	1420.0	1479.5	1530.3	1543.7	1529.5	1503.3	1509.6	1519.9
30°	1419.3	1413.7	1454.1	1514.4	1577.0	1605.6	1628.6	1621.4	1592.9	1587.3	1578.6
32.5°	1514.4	1516.0	1552.5	1618.3	1659.5	1707.1	1731.6	1719.8	1701.5	1692.0	1697.6
35°	1648.4	1655.5	1680.1	1734.8	1801.4	1825.2	1864.1	1838.7	1791.1	1803.0	1813.3
37.5°	1758.6	1779.2	1825.2	1890.2	1929.9	1973.5	1987.7	1953.6	1918.8	1904.5	1938.6
40°	1927.5	1921.1	1971.9	2036.9	2095.6	2139.2	2120.9	2086.9	2000.4	2001.2	2010.7
42.5°	2072.6	2075.8	2114.6	2192.3	2272.4	2299.3	2241.5	2158.2	2062.3	2052.0	2072.6
45°	2194.7	2207.4	2229.6	2333.4	2411.9	2441.3	2334.2	2235.9	2107.5	2064.7	2098.7
47.5°	2238.3	2258.9	2307.3	2402.4	2480.1	2503.9	2418.3	2277.1	2149.5	2079.7	2098.0
50°	2244.6	2237.5	2316.8	2404.0	2472.2	2523.7	2448.4	2307.3	2139.2	2102.7	2097.2
52.5°	2071.0	2105.9	2190.7	2310.4	2448.4	2530.9	2475.4	2323.9	2153.5	2112.2	2098.7
55°	1676.1	1634.9	1789.5	1990.9	2244.6	2473.8	2465.8	2332.6	2162.2	2128.1	2109.8
57.5°	935.6	947.5	1034.7	1253.5	1581.0	1961.6	2192.3	2240.7	2158.2	2138.4	2147.9
60°	432.9	436.9	474.1	576.4	779.4	1112.4	1416.1	1724.5	1866.4	1895.0	1895.0
62.5°	322.7	321.1	330.6	348.9	391.7	511.4	682.7	927.7	1122.7	1259.1	1294.8
65°	291.8	291.0	295.7	302.1	305.3	321.9	360.0	435.3	498.7	535.2	528.8
67.5°	255.3	254.5	256.1	260.1	265.6	274.3	283.9	299.7	321.9	320.3	316.4
70°	206.1	206.1	208.5	211.7	218.0	228.3	239.4	250.5	269.6	273.5	272.7
72.5°	152.2	149.9	154.6	161.0	167.3	180.0	191.9	202.2	215.7	219.6	218.0
75°	96.7	98.3	101.5	108.6	119.7	128.4	141.1	149.9	158.6	161.7	162.5
77.5°	53.9	55.5	61.1	69.8	80.9	90.4	101.5	108.6	114.2	115.0	115.8
80°	32.5	33.3	38.9	46.8	56.3	66.6	75.3	82.5	87.2	84.8	84.0
82.5°	19.8	20.6	25.4	32.5	40.4	48.4	57.9	64.2	69.0	65.8	62.6
85°	10.3	11.1	15.1	19.8	26.2	30.1	30.1	27.0	26.2	24.6	23.8
87.5°	3.2	3.2	4.0	4.8	4.0	4.8	5.6	6.3	6.3	7.1	6.3
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)