

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: P526924

Luminaire Tested: **GALN-SA1D-830-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526924
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-SA1D-830-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 80 CRI, 3000K, 1200mA 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: 5603 lumens
Efficiency: N/A
Efficacy: 86.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - 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



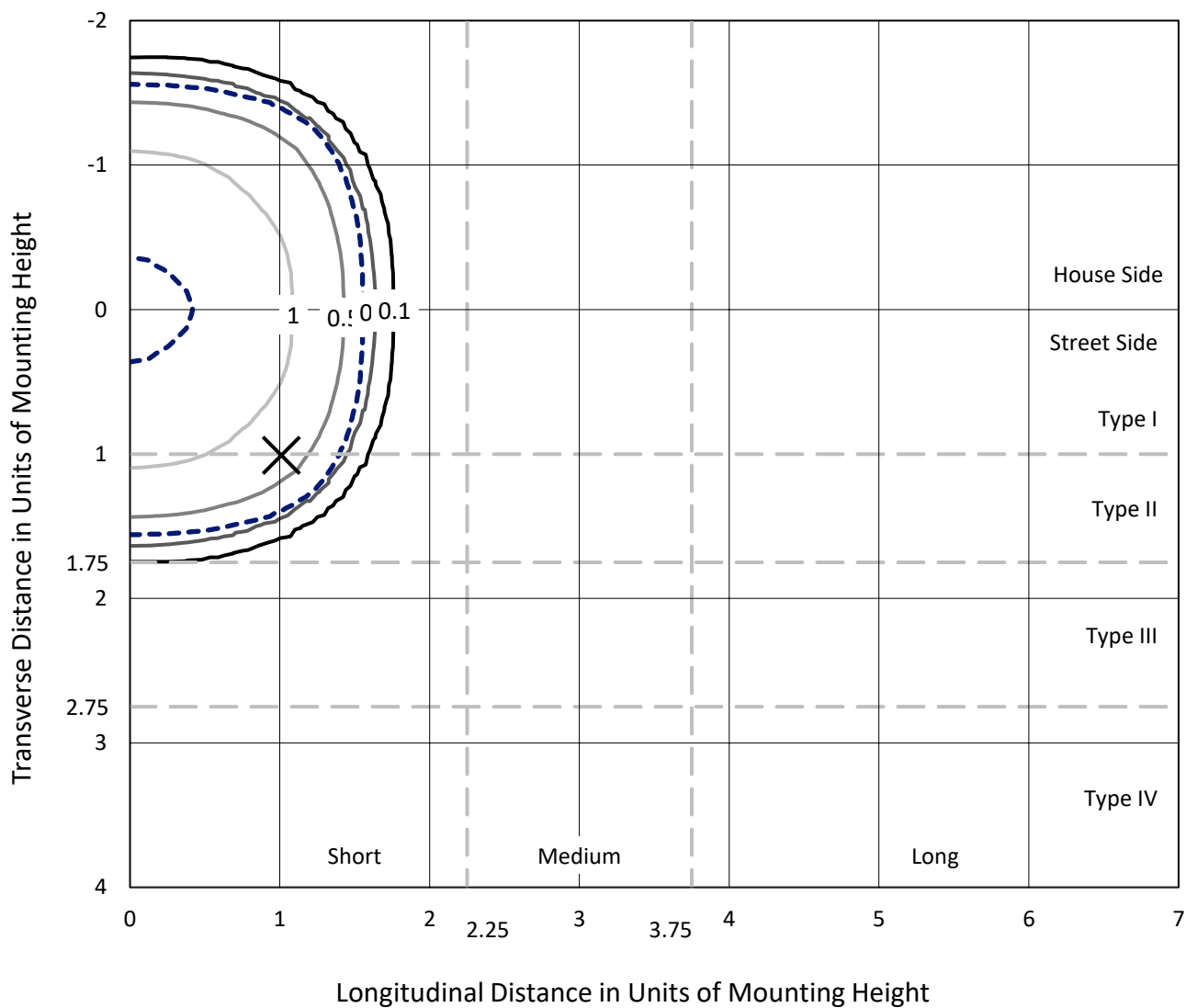
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Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

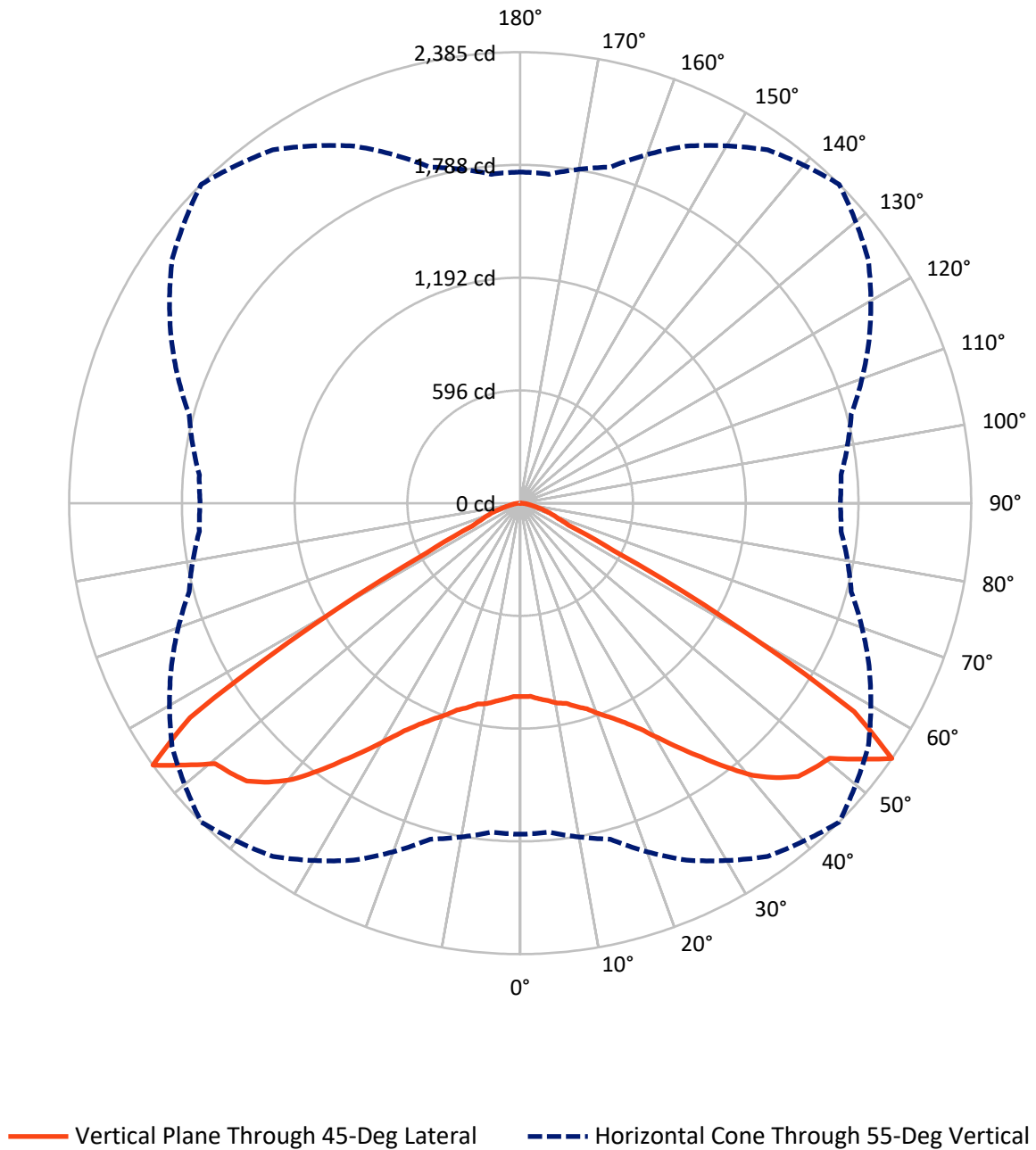
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.6 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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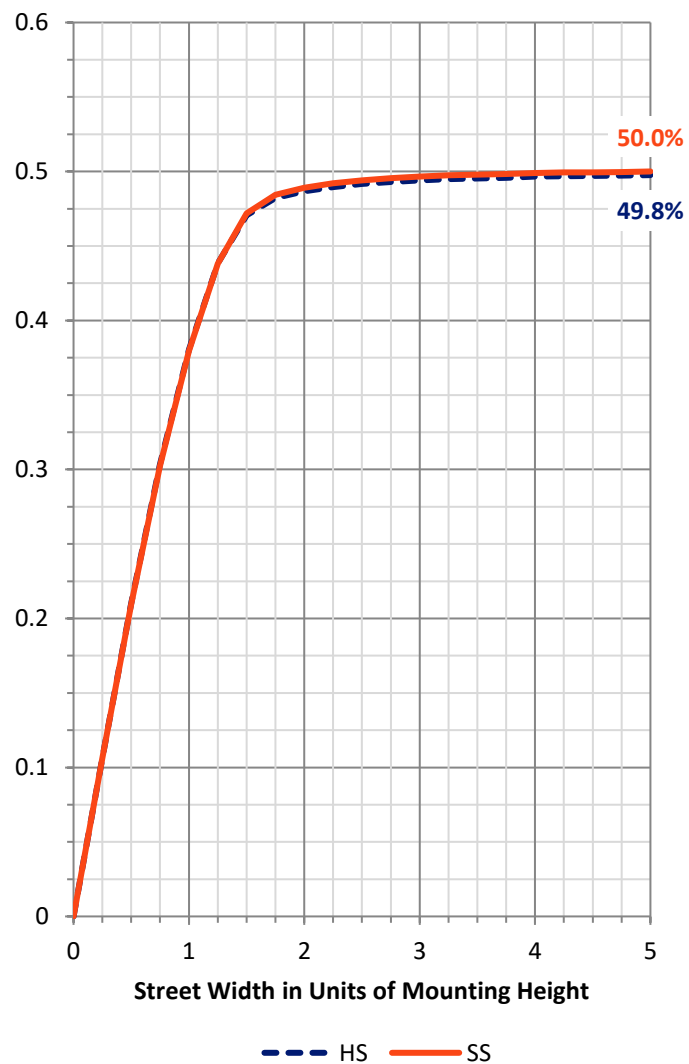
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2801.5	0.0	2801.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2801.5	0.0	2801.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	5603.0	0.0	5603.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	99.9	1.8
10°-20°	316.7	5.7
20°-30°	590.5	10.5
30°-40°	988.6	17.6
40°-50°	1538.4	27.5
50°-60°	1597.3	28.5
60°-70°	338.7	6.0
70°-80°	111.6	2.0
80°-90°	21.3	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°	5603.0	100.0
0°-180°	5603.0	100.0

Coefficient of Utilization



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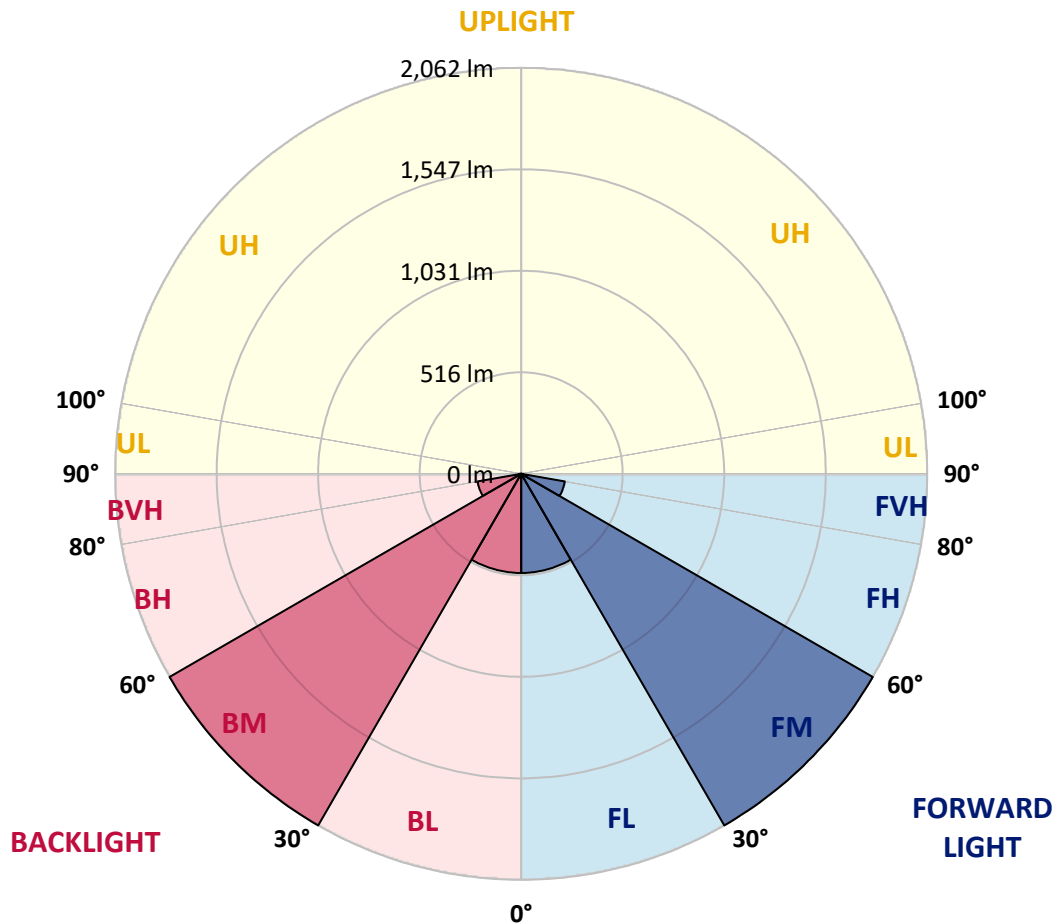
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	503.5	9.0			
FM	(30°-60°)	2062.2	36.8			
FH	(60°-80°)	225.1	4.0			G0/660
FVH	(80°-90°)	10.6	0.2			G1/100
BL	(0°-30°)	503.5	9.0	B2/1000		
BM	(30°-60°)	2062.2	36.8	B2/2500		
BH	(60°-80°)	225.1	4.0	B1/500		G0/660
BVH	(80°-90°)	10.6	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°	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0	1023.0
2.5°	1035.2	1030.5	1022.3	1028.4	1033.2	1023.0	1027.1	1029.1	1027.8	1022.3	1024.4
5°	1050.1	1047.4	1040.6	1045.4	1039.3	1039.3	1035.2	1029.8	1037.9	1036.6	1040.0
7.5°	1050.1	1046.7	1060.3	1051.5	1054.2	1054.2	1047.4	1042.0	1046.0	1040.0	1036.6
10°	1071.1	1075.8	1069.7	1071.8	1070.4	1075.2	1065.0	1061.6	1058.2	1056.2	1052.1
12.5°	1096.1	1092.8	1094.8	1093.4	1098.2	1086.0	1079.9	1072.4	1078.5	1069.7	1075.8
15°	1116.5	1114.4	1116.5	1121.9	1117.1	1116.5	1105.6	1098.2	1088.7	1090.7	1081.3
17.5°	1144.2	1142.2	1142.9	1147.6	1146.9	1143.5	1135.4	1121.2	1117.8	1112.4	1106.3
20°	1185.5	1182.1	1180.8	1182.8	1186.2	1188.9	1172.7	1167.2	1155.7	1146.9	1136.8
22.5°	1220.7	1219.4	1224.8	1216.0	1223.4	1231.6	1216.0	1213.3	1184.8	1180.1	1169.3
25°	1269.5	1267.4	1264.1	1276.9	1285.7	1285.0	1270.1	1255.3	1233.6	1228.2	1228.2
27.5°	1320.9	1309.4	1327.0	1330.4	1346.0	1350.7	1337.9	1316.2	1295.9	1284.4	1287.1
30°	1385.2	1374.4	1378.5	1402.8	1423.2	1440.8	1408.3	1376.4	1348.0	1327.7	1324.3
32.5°	1449.6	1438.7	1450.9	1474.6	1515.2	1541.6	1509.8	1454.3	1421.1	1391.3	1397.4
35°	1501.7	1509.8	1529.5	1565.3	1607.3	1650.0	1599.2	1556.5	1509.1	1476.0	1480.7
37.5°	1585.7	1610.7	1626.3	1667.6	1727.2	1771.2	1718.4	1662.8	1612.1	1568.7	1553.8
40°	1695.3	1712.3	1729.9	1778.6	1849.0	1893.0	1842.9	1770.5	1720.4	1675.7	1673.7
42.5°	1815.9	1832.1	1850.4	1910.0	1951.9	1985.1	1939.1	1900.5	1845.0	1809.8	1807.7
45°	1956.0	1944.5	1964.8	2004.1	2039.3	2060.9	2031.2	2012.2	1972.2	1939.8	1936.4
47.5°	2049.4	2039.3	2075.8	2111.0	2116.5	2092.8	2098.9	2116.5	2074.5	2021.0	2037.9
50°	2103.6	2103.6	2128.0	2160.5	2150.3	2119.8	2167.9	2169.3	2127.3	2079.9	2079.9
52.5°	2009.5	2030.5	2099.5	2205.8	2239.7	2248.5	2237.7	2191.6	2081.9	1985.1	1980.4
55°	1750.9	1746.1	1839.5	2083.3	2280.3	2384.6	2246.5	2034.5	1811.8	1702.8	1692.0
57.5°	1138.8	1144.2	1283.7	1532.2	1887.6	2081.9	1849.0	1551.1	1283.7	1133.4	1147.6
60°	512.5	530.8	615.4	801.0	1106.3	1264.7	1109.0	841.6	645.9	560.6	568.0
62.5°	294.5	297.9	301.3	357.5	471.2	557.2	489.5	377.8	333.1	318.2	318.2
65°	248.5	246.4	247.1	251.9	264.0	281.7	274.2	264.0	265.4	264.0	262.0
67.5°	211.2	213.9	211.9	215.3	216.0	218.7	223.4	227.5	228.2	229.5	228.2
70°	173.3	174.0	175.4	178.1	178.7	180.8	187.5	190.9	193.0	193.0	195.7
72.5°	132.7	132.0	133.4	136.1	139.5	140.1	146.2	151.0	153.7	150.3	151.0
75°	87.3	88.0	90.0	92.1	96.8	101.6	103.6	108.3	109.0	110.4	107.0
77.5°	52.1	53.5	55.5	59.6	63.6	67.7	72.4	75.8	77.2	75.8	71.8
80°	33.9	33.9	36.6	39.9	44.7	48.1	50.8	53.5	55.5	53.5	52.1
82.5°	21.0	21.0	24.4	28.4	31.8	33.9	37.9	41.3	43.3	42.0	39.9
85°	10.8	11.5	14.2	17.6	20.3	21.7	21.0	19.0	16.9	16.2	14.9
87.5°	3.4	3.4	4.1	4.1	3.4	3.4	4.1	3.4	4.1	4.1	4.1
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)