

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: P526774

Luminaire Tested: **GALN-SA1D-730-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526774
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-730-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 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: 6246 lumens
Efficiency: N/A
Efficacy: 96.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

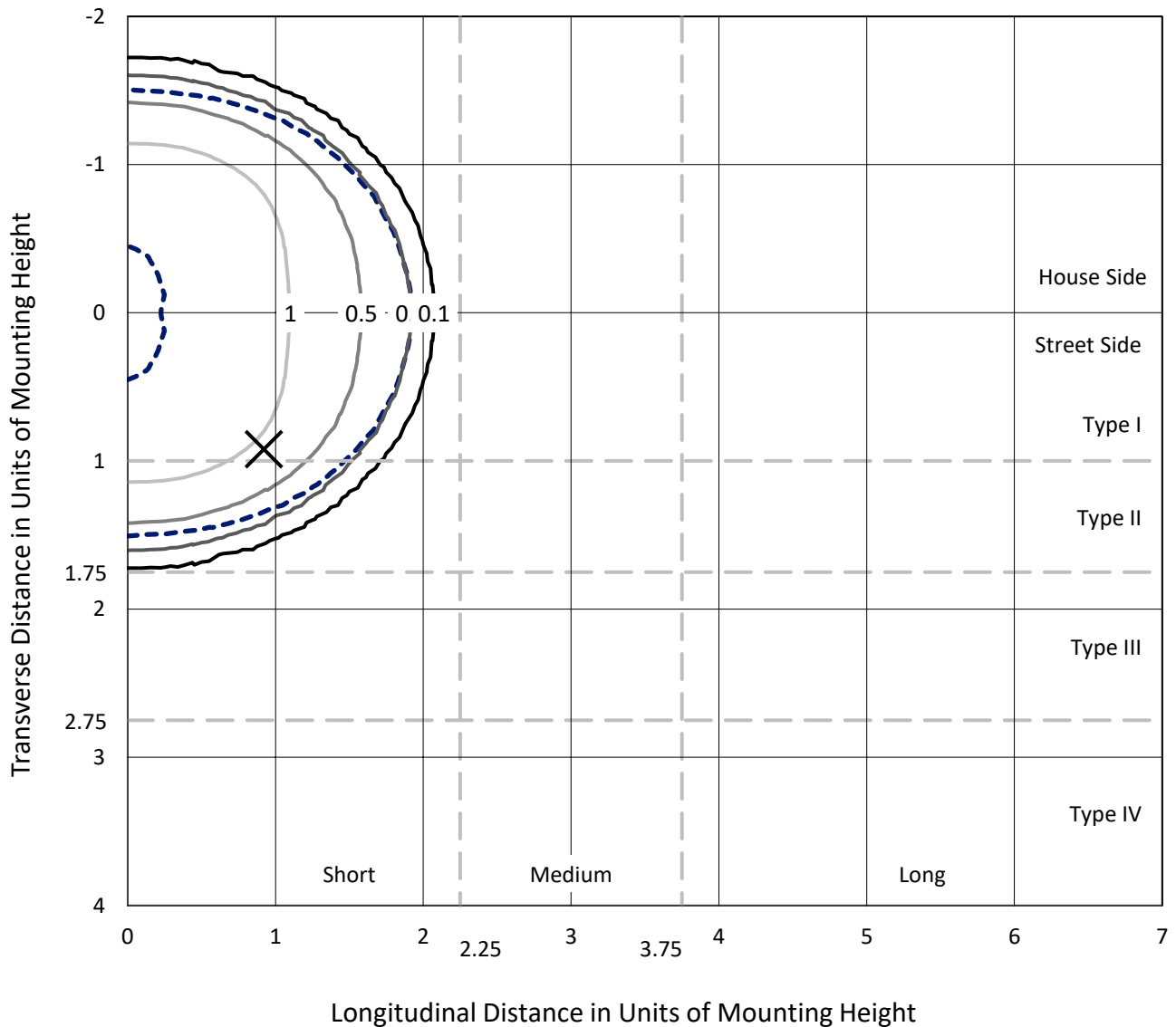
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P526774
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Iso-Footcandle Lines of Horizontal Illumination

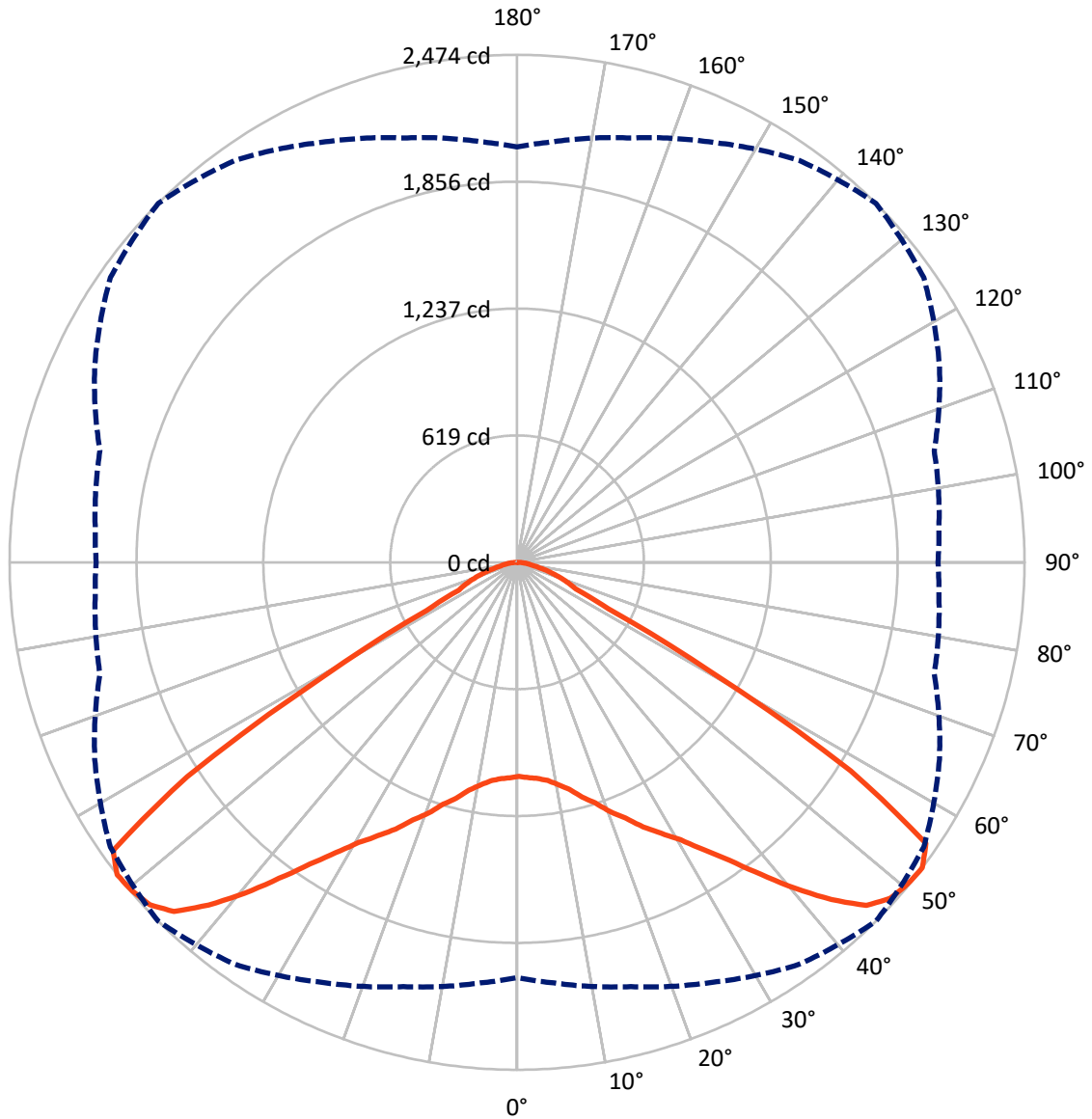
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

REPORT NUMBER: P526774
CATALOG NUMBER: GALN-SA1D-730-U-RW-GRSWH

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 52.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3123.0	0.0	3123.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3123.0	0.0	3123.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6246.0	0.0	6246.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	102.6	1.6
10°-20°	337.1	5.4
20°-30°	641.7	10.3
30°-40°	1101.9	17.6
40°-50°	1693.7	27.1
50°-60°	1719.9	27.5
60°-70°	479.3	7.7
70°-80°	141.4	2.3
80°-90°	28.5	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°	6246.0	100.0
0°-180°	6246.0	100.0

Coefficient of Utilization



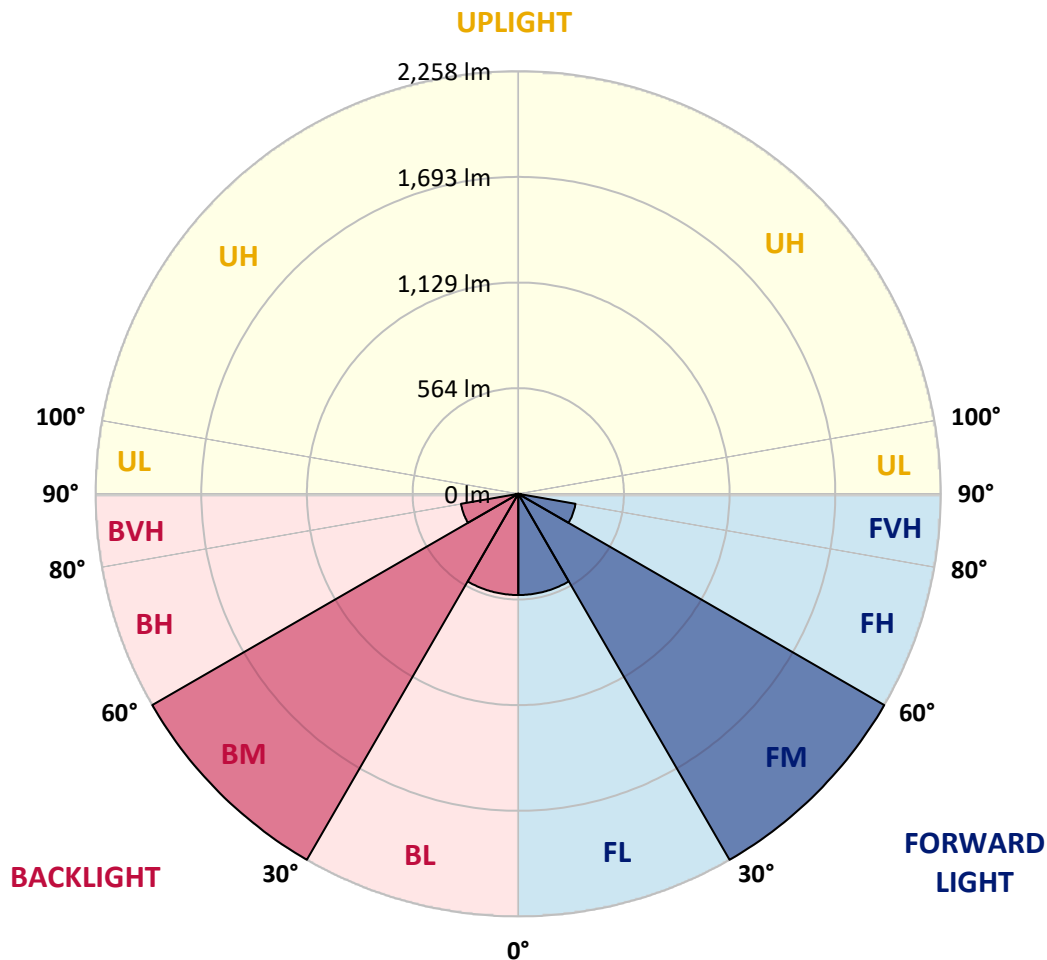
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	540.7	8.7			
FM (30°-60°)	2257.7	36.1			
FH (60°-80°)	310.4	5.0			G0/660
FVH (80°-90°)	14.2	0.2			G1/100
BL (0°-30°)	540.7	8.7	B2/1000		
BM (30°-60°)	2257.7	36.1	B2/2500		
BH (60°-80°)	310.4	5.0	B1/500		G0/660
BVH (80°-90°)	14.2	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°	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1	1044.1
2.5°	1046.4	1035.6	1039.5	1041.8	1051.9	1051.1	1048.8	1051.9	1055.0	1055.7	1054.2
5°	1045.7	1037.9	1041.0	1043.3	1053.4	1058.8	1057.3	1070.5	1079.8	1077.4	1089.1
7.5°	1039.5	1044.1	1040.2	1051.9	1060.4	1073.6	1087.5	1099.9	1111.5	1124.7	1127.0
10°	1053.4	1053.4	1060.4	1069.7	1092.2	1102.2	1122.4	1140.2	1162.7	1178.2	1172.0
12.5°	1068.1	1070.5	1070.5	1094.5	1113.1	1135.6	1154.2	1178.2	1210.0	1228.6	1237.9
15°	1082.9	1084.4	1092.2	1124.7	1152.6	1188.3	1205.3	1227.0	1244.9	1279.7	1280.5
17.5°	1096.0	1104.6	1127.8	1164.2	1199.1	1233.2	1260.4	1282.8	1298.3	1312.3	1309.2
20°	1145.6	1151.8	1175.9	1212.3	1264.2	1297.6	1306.9	1310.7	1320.8	1348.7	1340.2
22.5°	1193.7	1196.0	1218.5	1274.3	1310.7	1354.9	1365.0	1362.7	1366.6	1373.5	1385.9
25°	1243.3	1247.2	1278.2	1325.5	1376.6	1429.3	1437.9	1420.0	1414.6	1422.4	1423.1
27.5°	1306.9	1307.6	1347.2	1388.3	1446.4	1496.0	1509.2	1495.2	1469.6	1475.8	1485.9
30°	1387.5	1382.1	1421.6	1480.5	1541.7	1569.6	1592.1	1585.1	1557.2	1551.8	1543.3
32.5°	1480.5	1482.1	1517.7	1582.0	1622.3	1668.9	1692.9	1681.3	1663.4	1654.1	1659.6
35°	1611.5	1618.5	1642.5	1696.0	1761.1	1784.4	1822.3	1797.5	1751.0	1762.6	1772.7
37.5°	1719.2	1739.4	1784.4	1847.9	1886.7	1929.3	1943.3	1909.9	1875.8	1861.9	1895.2
40°	1884.3	1878.1	1927.8	1991.3	2048.7	2091.3	2073.5	2040.1	1955.7	1956.4	1965.7
42.5°	2026.2	2029.3	2067.3	2143.2	2221.5	2247.9	2191.3	2109.9	2016.1	2006.0	2026.2
45°	2145.6	2158.0	2179.7	2281.2	2357.9	2386.6	2282.0	2185.9	2060.3	2018.4	2051.8
47.5°	2188.2	2208.3	2255.6	2348.6	2424.6	2447.9	2364.1	2226.2	2101.4	2033.2	2051.0
50°	2194.4	2187.4	2264.9	2350.2	2416.9	2467.2	2393.6	2255.6	2091.3	2055.6	2050.2
52.5°	2024.6	2058.7	2141.7	2258.7	2393.6	2474.2	2420.0	2271.9	2105.3	2064.9	2051.8
55°	1638.6	1598.3	1749.5	1946.4	2194.4	2418.4	2410.7	2280.4	2113.8	2080.5	2062.6
57.5°	914.7	926.3	1011.5	1225.5	1545.6	1917.7	2143.2	2190.5	2109.9	2090.5	2099.8
60°	423.2	427.1	463.5	563.5	762.0	1087.5	1384.4	1685.9	1824.7	1852.6	1852.6
62.5°	315.5	313.9	323.2	341.1	382.9	500.0	667.4	906.9	1097.6	1230.9	1265.8
65°	285.2	284.5	289.1	295.3	298.4	314.7	351.9	425.5	487.6	523.2	517.0
67.5°	249.6	248.8	250.4	254.2	259.7	268.2	277.5	293.0	314.7	313.2	309.3
70°	201.5	201.5	203.9	207.0	213.2	223.2	234.1	244.9	263.5	267.4	266.6
72.5°	148.8	146.5	151.2	157.4	163.6	176.0	187.6	197.7	210.8	214.7	213.2
75°	94.6	96.1	99.2	106.2	117.0	125.6	138.0	146.5	155.0	158.1	158.9
77.5°	52.7	54.3	59.7	68.2	79.1	88.4	99.2	106.2	111.6	112.4	113.2
80°	31.8	32.6	38.0	45.7	55.0	65.1	73.6	80.6	85.3	82.9	82.2
82.5°	19.4	20.2	24.8	31.8	39.5	47.3	56.6	62.8	67.4	64.3	61.2
85°	10.1	10.9	14.7	19.4	25.6	29.5	29.5	26.4	25.6	24.0	23.3
87.5°	3.1	3.1	3.9	4.7	3.9	4.7	5.4	6.2	6.2	7.0	6.2
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)