

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: P450916

Luminaire Tested: **GALN-SA1D-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450916
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-3)
Test Lab: INNOVATION CENTER
Issue Date: 1/4/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SA1D-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7440 lumens
Efficiency: N/A
Efficacy: 114.5 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

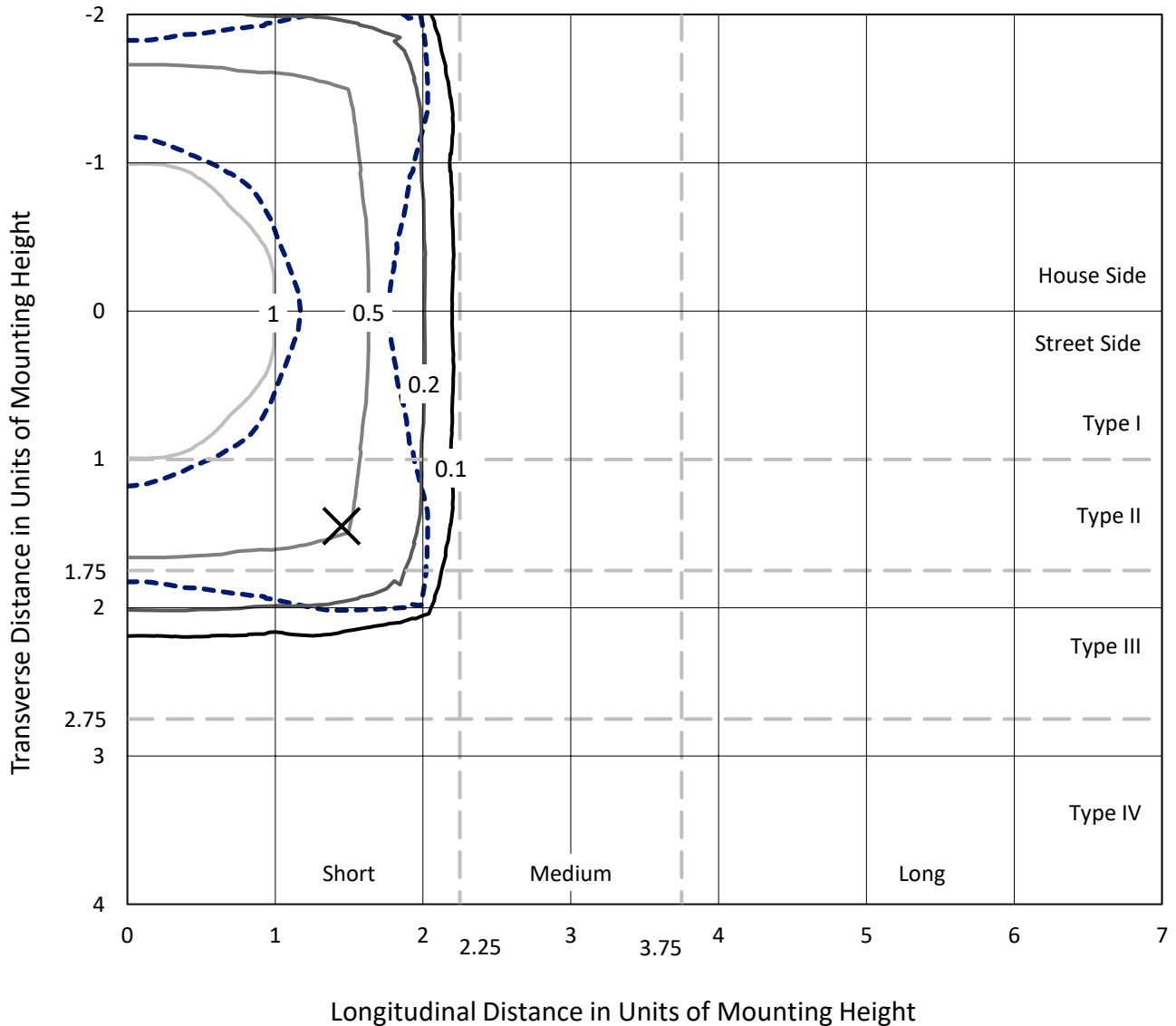
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P450916
 CATALOG NUMBER: GALN-SA1D-730-U-5NQ

Iso-Footcandle Lines of Horizontal Illumination

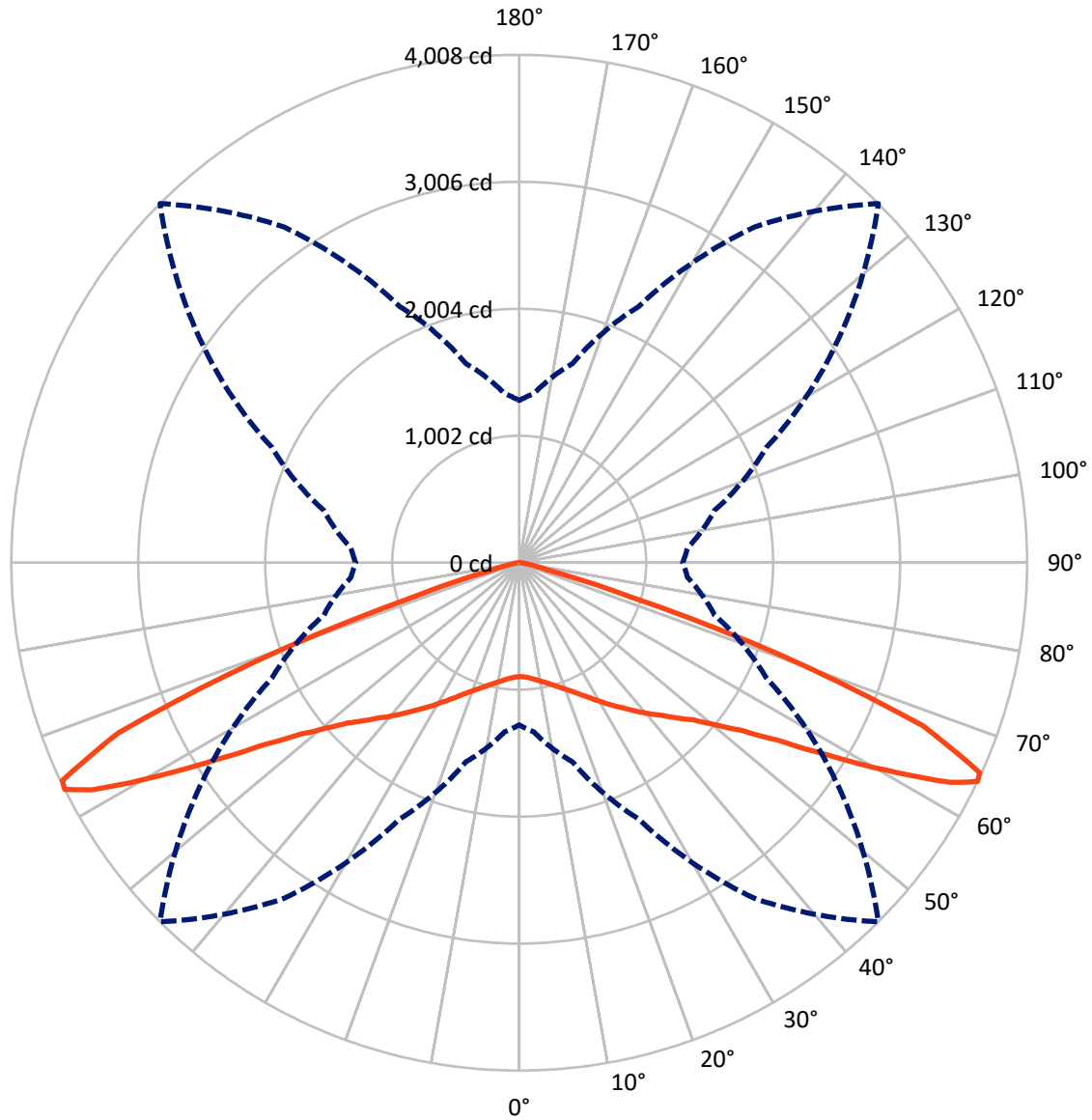
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.5 fc
 Type V - Short - N/A

REPORT NUMBER: P450916
CATALOG NUMBER: GALN-SA1D-730-U-5NQ

Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 64-Deg Vertical

REPORT NUMBER: P450916

CATALOG NUMBER: GALN-SA1D-730-U-5NQ

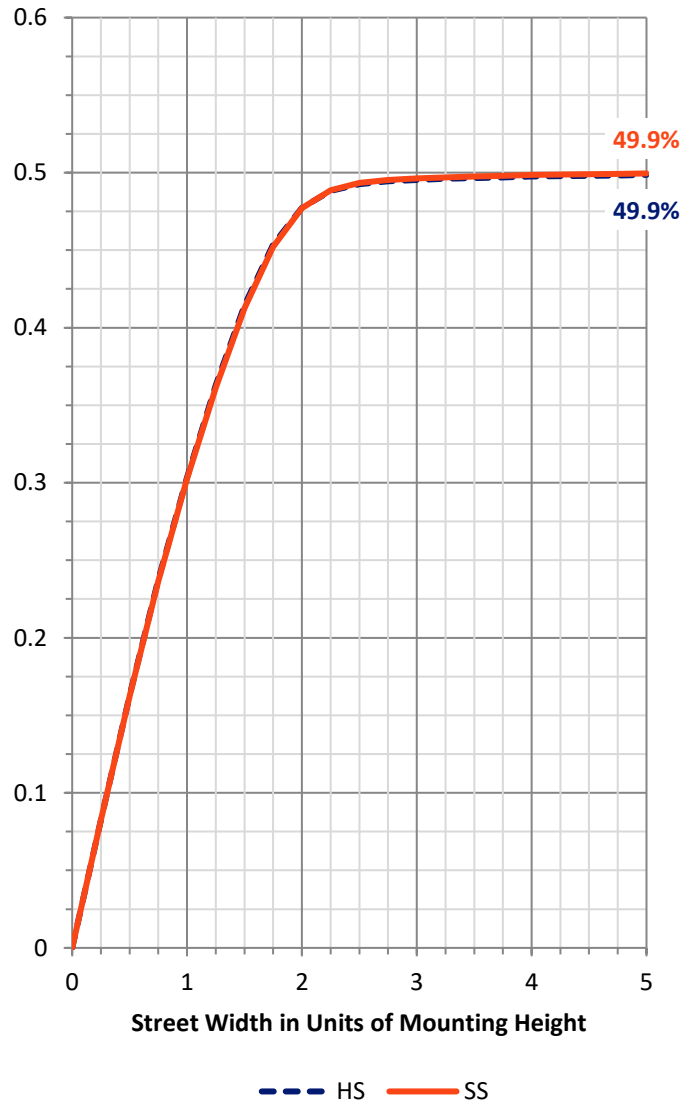
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3720.0	0.0	3720.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3720.0	0.0	3720.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	7440.0	0.0	7440.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.3	1.2
10°-20°	285.0	3.8
20°-30°	538.5	7.2
30°-40°	891.8	12.0
40°-50°	1392.3	18.7
50°-60°	2152.5	28.9
60°-70°	1856.0	24.9
70°-80°	210.3	2.8
80°-90°	25.2	0.3
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°	7440.0	100.0
0°-180°	7440.0	100.0

Coefficient of Utilization



REPORT NUMBER: P450916

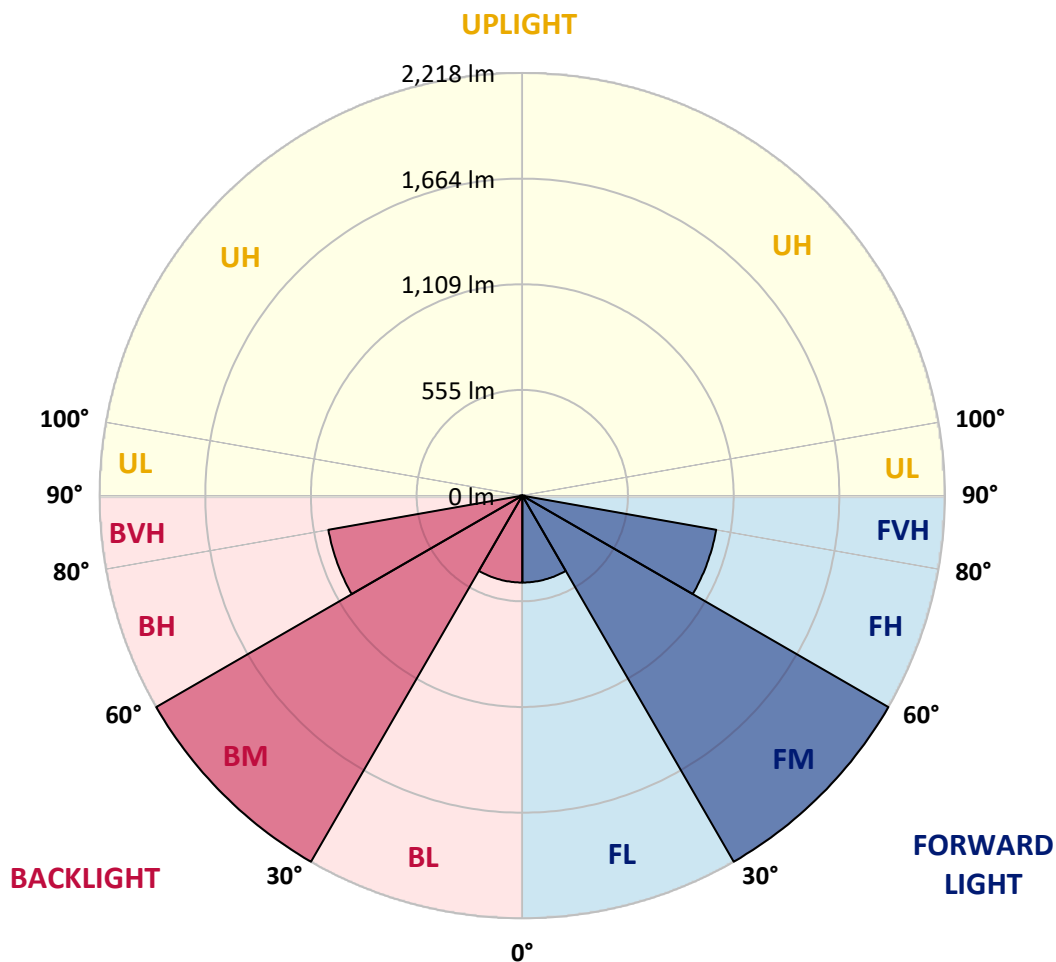
CATALOG NUMBER: GALN-SA1D-730-U-5NQ

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	455.9	6.1			
FM	(30°-60°)	2218.3	29.8			
FH	(60°-80°)	1033.2	13.9			G1/1800
FVH	(80°-90°)	12.6	0.2			G1/100
BL	(0°-30°)	455.9	6.1	B1/500		
BM	(30°-60°)	2218.3	29.8	B2/2500		
BH	(60°-80°)	1033.2	13.9	B3/2500		G1/1800
BVH	(80°-90°)	12.6	0.2			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





REPORT NUMBER: P450916

CATALOG NUMBER: GALN-SA1D-730-U-5NQ

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2	899.2
2.5°	902.8	904.8	903.2	902.8	902.4	902.4	902.4	902.8	904.4	905.6	904.8
5°	914.2	915.8	915.0	914.6	914.2	914.6	913.8	913.4	914.6	914.6	914.2
7.5°	928.4	930.4	929.6	930.4	930.8	931.2	929.2	927.6	927.2	928.4	927.6
10°	947.7	949.3	949.7	950.1	950.9	950.5	948.1	945.4	945.0	944.6	944.2
12.5°	969.4	970.6	971.0	972.5	973.7	974.1	971.4	969.0	965.1	965.8	964.3
15°	993.8	996.2	995.8	998.2	1001.3	1002.1	999.3	995.4	991.9	989.9	988.7
17.5°	1023.8	1025.3	1024.6	1026.9	1030.9	1032.8	1030.5	1025.3	1021.8	1017.5	1015.1
20°	1059.2	1062.0	1062.8	1062.8	1066.3	1068.3	1064.8	1063.2	1057.7	1054.5	1052.5
22.5°	1099.4	1100.6	1103.0	1105.3	1108.9	1108.1	1106.9	1104.6	1099.4	1096.7	1093.5
25°	1144.7	1145.9	1151.8	1157.0	1158.1	1157.4	1155.8	1154.6	1149.9	1143.6	1141.2
27.5°	1197.6	1199.9	1207.8	1212.5	1212.5	1212.9	1209.8	1213.7	1203.5	1196.0	1195.2
30°	1263.8	1265.3	1272.0	1276.8	1274.4	1272.4	1271.6	1275.6	1264.5	1251.1	1248.0
32.5°	1329.2	1334.7	1340.6	1350.8	1342.6	1339.0	1338.2	1341.0	1328.4	1313.4	1309.1
35°	1399.3	1403.3	1414.3	1423.0	1415.5	1407.2	1410.7	1419.4	1404.4	1384.3	1383.6
37.5°	1476.9	1480.5	1494.7	1503.7	1498.2	1484.0	1489.9	1500.2	1485.2	1460.4	1455.3
40°	1557.7	1565.2	1582.9	1592.4	1583.3	1564.4	1575.5	1586.5	1573.1	1544.3	1532.9
42.5°	1648.4	1660.2	1685.8	1690.5	1673.2	1647.6	1666.9	1684.6	1675.2	1642.1	1637.7
45°	1754.4	1761.5	1793.0	1803.2	1779.2	1747.3	1771.3	1803.6	1796.5	1758.3	1750.0
47.5°	1873.0	1879.7	1912.4	1927.8	1897.4	1854.5	1897.8	1940.0	1935.6	1894.6	1890.7
50°	2013.3	2014.8	2060.2	2077.5	2047.2	2010.1	2048.7	2101.1	2083.8	2031.4	2030.6
52.5°	2166.9	2168.9	2226.1	2259.6	2242.6	2200.8	2246.5	2278.5	2234.3	2165.8	2160.6
55°	2300.1	2310.0	2388.0	2477.1	2500.3	2470.0	2483.8	2468.8	2360.0	2263.9	2248.9
57.5°	2354.5	2373.8	2492.4	2658.7	2810.1	2855.0	2748.6	2605.9	2410.1	2274.1	2259.6
60°	2221.7	2242.6	2426.6	2742.3	3128.5	3323.5	3024.4	2629.2	2296.2	2105.1	2082.2
62.5°	1779.2	1785.1	2055.8	2545.6	3314.1	3819.2	3140.7	2431.0	1964.8	1705.1	1696.0
64°	1280.3	1341.0	1627.9	2232.0	3232.9	4008.0	3073.7	2153.2	1596.0	1333.1	1290.6
65°	957.6	974.1	1312.2	1906.1	3089.8	3993.8	2943.6	1887.6	1321.7	1020.2	972.9
67.5°	361.7	363.7	484.3	950.1	2199.7	3436.2	2246.5	1026.9	556.8	402.7	388.2
70°	150.1	152.9	177.7	319.6	945.4	2206.4	1083.3	370.4	203.7	165.1	162.7
72.5°	109.9	111.5	119.0	141.9	290.8	905.9	356.2	157.2	119.4	106.8	105.6
75°	86.3	87.1	92.6	104.4	135.6	251.0	148.2	108.0	91.0	82.0	81.2
77.5°	65.8	67.8	71.7	79.6	91.0	119.0	98.1	80.8	70.1	62.7	61.5
80°	45.3	47.7	55.2	58.3	61.1	77.2	67.0	61.1	54.8	45.7	43.0
82.5°	28.0	29.6	37.0	39.8	38.6	43.3	43.0	43.7	39.0	28.4	26.4
85°	14.6	15.4	20.1	20.9	19.3	17.7	22.1	25.6	24.0	16.2	15.8
87.5°	3.2	3.5	4.3	3.9	4.3	4.3	5.5	8.3	8.7	5.5	5.1
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)