

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: P450920

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

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450920
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-042-4)
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-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7355 lumens
Efficiency: N/A
Efficacy: 113.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B3 - U0 - G3

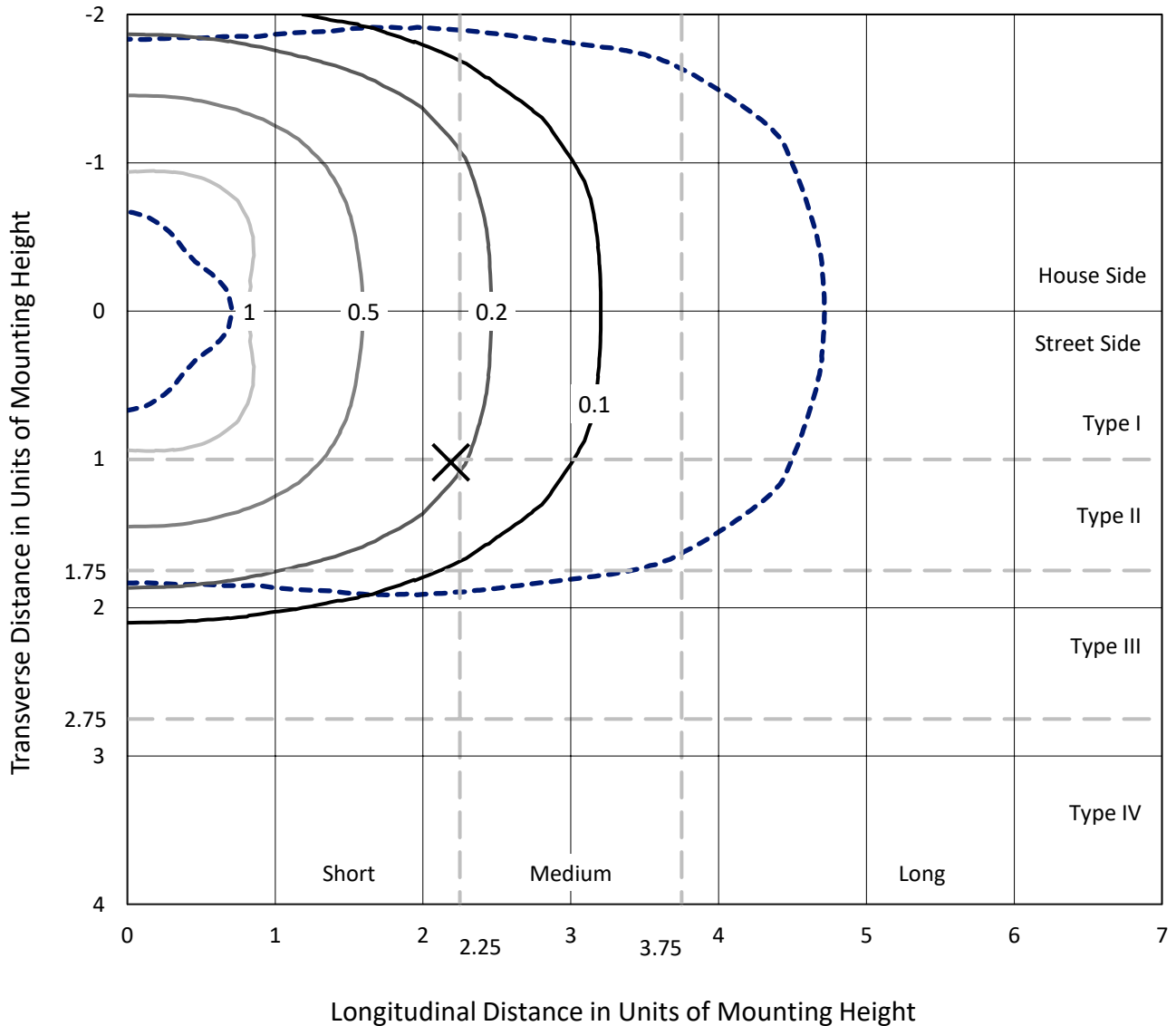
Input Watts (W): 65
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

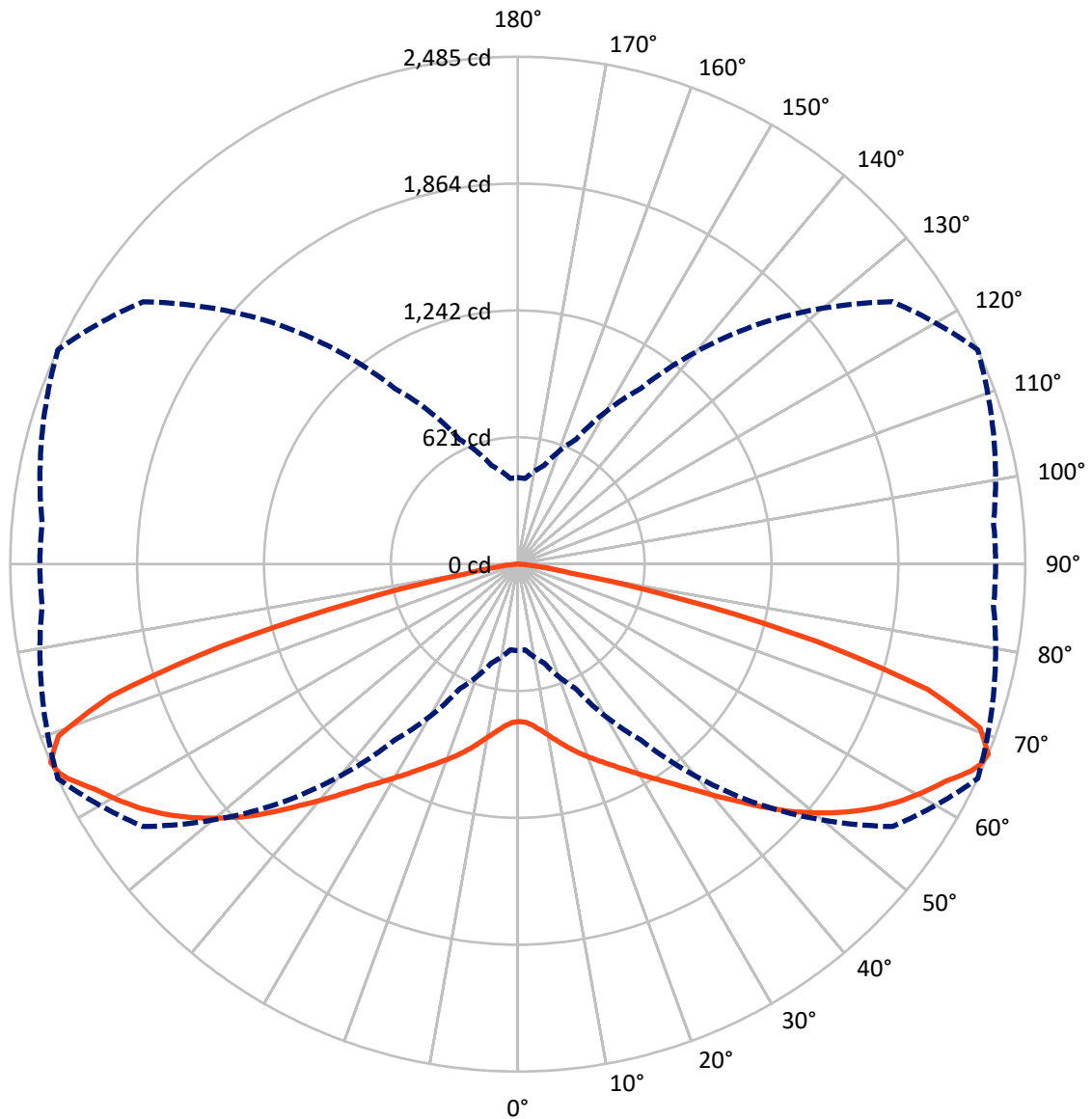
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.4 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral - - - Horizontal Cone Through 67.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3677.5	0.0	3677.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3677.5	0.0	3677.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7355.0	0.0	7355.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	76.0	1.0
10°-20°	254.3	3.5
20°-30°	497.4	6.8
30°-40°	846.0	11.5
40°-50°	1339.0	18.2
50°-60°	1775.5	24.1
60°-70°	1674.9	22.8
70°-80°	828.0	11.3
80°-90°	63.8	0.9
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°	7355.0	100.0
0°-180°	7355.0	100.0

Coefficient of Utilization



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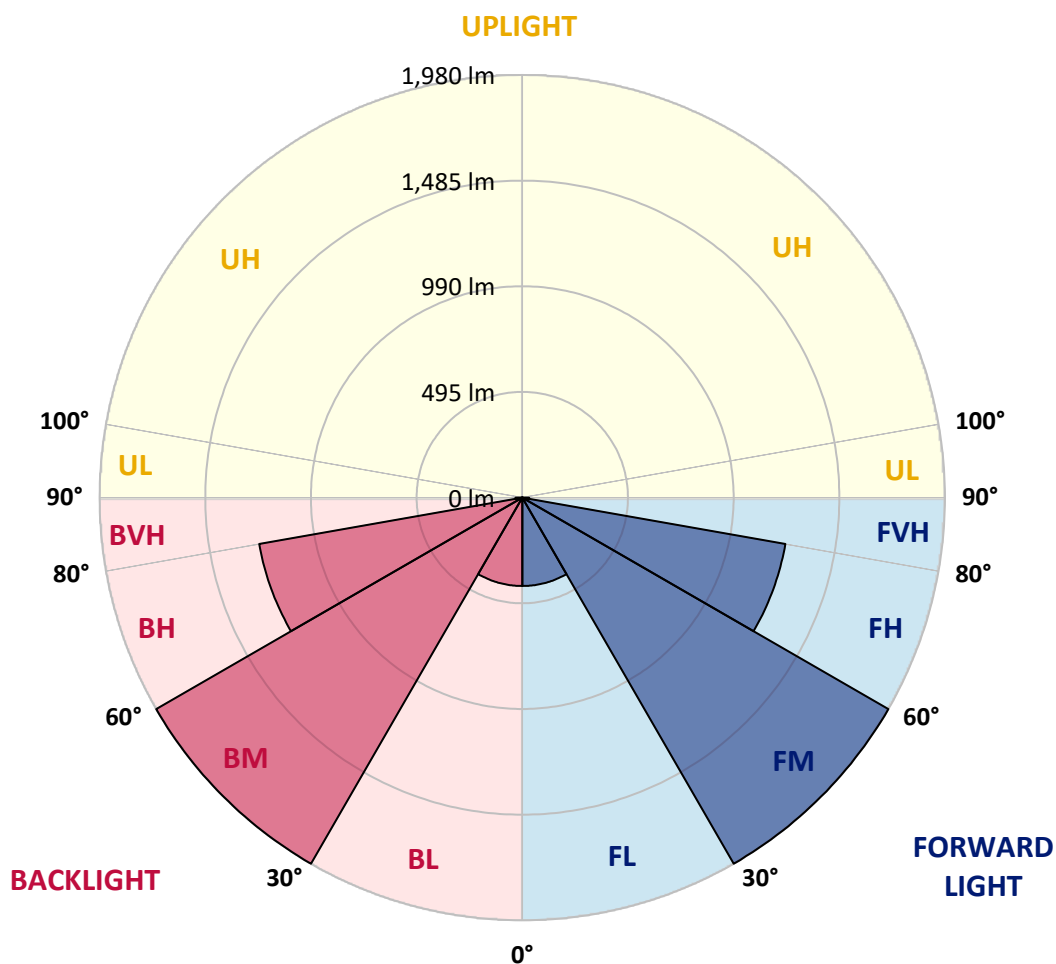
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	413.8	5.6			
FM	(30°-60°)	1980.3	26.9			
FH	(60°-80°)	1251.4	17.0			G1/1800
FVH	(80°-90°)	31.9	0.4			G1/100
BL	(0°-30°)	413.8	5.6	B1/500		
BM	(30°-60°)	1980.3	26.9	B2/2500		
BH	(60°-80°)	1251.4	17.0	B3/2500		G3/2500
BVH	(80°-90°)	31.9	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4	770.4
2.5°	766.4	767.2	768.0	769.2	770.8	773.1	774.7	775.9	779.0	779.4	779.0
5°	763.7	764.5	766.4	770.0	775.1	782.2	787.7	794.4	799.5	803.1	802.3
7.5°	763.3	764.9	768.0	775.5	785.3	797.6	810.2	821.6	831.4	839.3	838.1
10°	769.6	771.6	776.7	787.7	803.1	820.8	838.5	855.5	869.7	879.9	883.5
12.5°	780.2	781.8	791.3	807.8	829.9	851.9	872.0	892.9	912.6	930.0	930.0
15°	798.7	801.5	813.3	837.4	864.5	890.2	910.7	932.7	954.0	973.7	979.6
17.5°	824.4	828.3	846.0	876.8	911.4	935.1	954.4	972.5	991.0	1010.0	1012.7
20°	859.4	863.4	887.0	924.1	965.0	993.4	1006.4	1010.7	1019.8	1037.9	1040.3
22.5°	907.1	911.0	937.4	979.2	1024.9	1055.7	1061.2	1050.9	1048.6	1062.8	1064.3
25°	961.1	964.6	995.0	1039.9	1087.2	1120.7	1119.1	1093.9	1079.7	1088.4	1090.7
27.5°	1021.8	1026.9	1057.6	1104.1	1155.4	1184.9	1180.2	1143.5	1113.2	1111.6	1112.4
30°	1099.4	1104.9	1134.1	1178.6	1229.0	1256.2	1246.4	1197.1	1150.2	1134.5	1134.5
32.5°	1181.4	1195.2	1224.7	1271.2	1310.6	1330.3	1315.3	1256.2	1194.0	1171.9	1170.7
35°	1288.2	1295.6	1324.8	1370.1	1399.7	1415.0	1386.3	1322.8	1251.1	1225.1	1221.6
37.5°	1392.6	1398.9	1432.8	1476.1	1512.0	1511.2	1472.2	1402.0	1322.0	1292.9	1290.5
40°	1499.4	1506.1	1544.7	1584.5	1620.3	1617.2	1569.9	1491.5	1406.4	1373.7	1380.0
42.5°	1592.0	1599.5	1643.2	1699.9	1732.3	1731.5	1676.7	1588.4	1499.8	1470.6	1476.1
45°	1676.3	1683.0	1733.8	1798.8	1846.1	1852.0	1792.1	1698.8	1607.7	1570.3	1571.9
47.5°	1735.8	1748.4	1801.6	1876.1	1940.3	1961.2	1902.5	1811.1	1706.2	1667.2	1669.6
50°	1781.1	1789.0	1846.9	1931.6	2012.8	2056.2	2008.9	1915.1	1804.8	1763.4	1768.9
52.5°	1786.6	1796.1	1859.1	1956.9	2060.9	2126.7	2103.4	2016.8	1905.2	1862.7	1874.5
55°	1741.7	1747.2	1822.5	1941.1	2079.8	2179.1	2185.0	2111.3	2001.0	1968.7	1976.6
57.5°	1613.6	1627.8	1723.2	1867.4	2053.8	2207.1	2246.1	2197.2	2097.9	2066.0	2078.6
60°	1403.6	1417.8	1513.6	1696.4	1955.7	2194.1	2296.5	2273.3	2185.8	2160.2	2166.9
62.5°	1099.8	1098.6	1217.2	1441.4	1760.6	2130.2	2334.0	2346.6	2272.5	2240.2	2250.4
65°	712.8	716.4	831.1	1072.6	1466.3	1967.9	2342.2	2440.0	2357.6	2308.7	2316.2
66°	573.3	584.0	681.3	904.0	1316.1	1861.5	2317.4	2467.6	2383.6	2324.5	2328.1
67.5°	423.2	421.2	501.2	673.0	1050.9	1659.4	2239.8	2484.9	2413.2	2338.7	2340.3
70°	241.6	241.2	269.5	369.6	617.9	1168.4	1887.9	2401.7	2473.1	2389.9	2385.6
72.5°	176.5	175.4	179.3	204.1	301.4	589.9	1302.3	2099.1	2442.3	2381.6	2369.4
75°	148.2	147.4	146.6	149.7	169.0	267.2	691.2	1510.0	2119.2	2235.5	2222.8
77.5°	121.0	121.0	121.4	120.6	121.4	140.7	286.5	809.4	1290.5	1440.7	1475.7
80°	94.6	94.2	100.9	98.1	91.8	90.2	126.9	260.5	428.3	426.0	351.5
82.5°	69.7	65.0	76.8	74.9	67.8	57.5	74.1	111.1	143.0	93.0	69.0
85°	44.1	43.7	54.4	49.7	41.4	27.2	35.5	47.7	59.1	35.9	29.2
87.5°	7.9	7.5	17.3	12.6	12.6	7.9	9.9	13.0	19.3	13.4	9.9
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)