

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: P450684

Luminaire Tested: **GALN-SA1C-730-U-5NQ**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450684
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-SA1C-730-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6761 lumens
Efficiency: N/A
Efficacy: 118.6 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

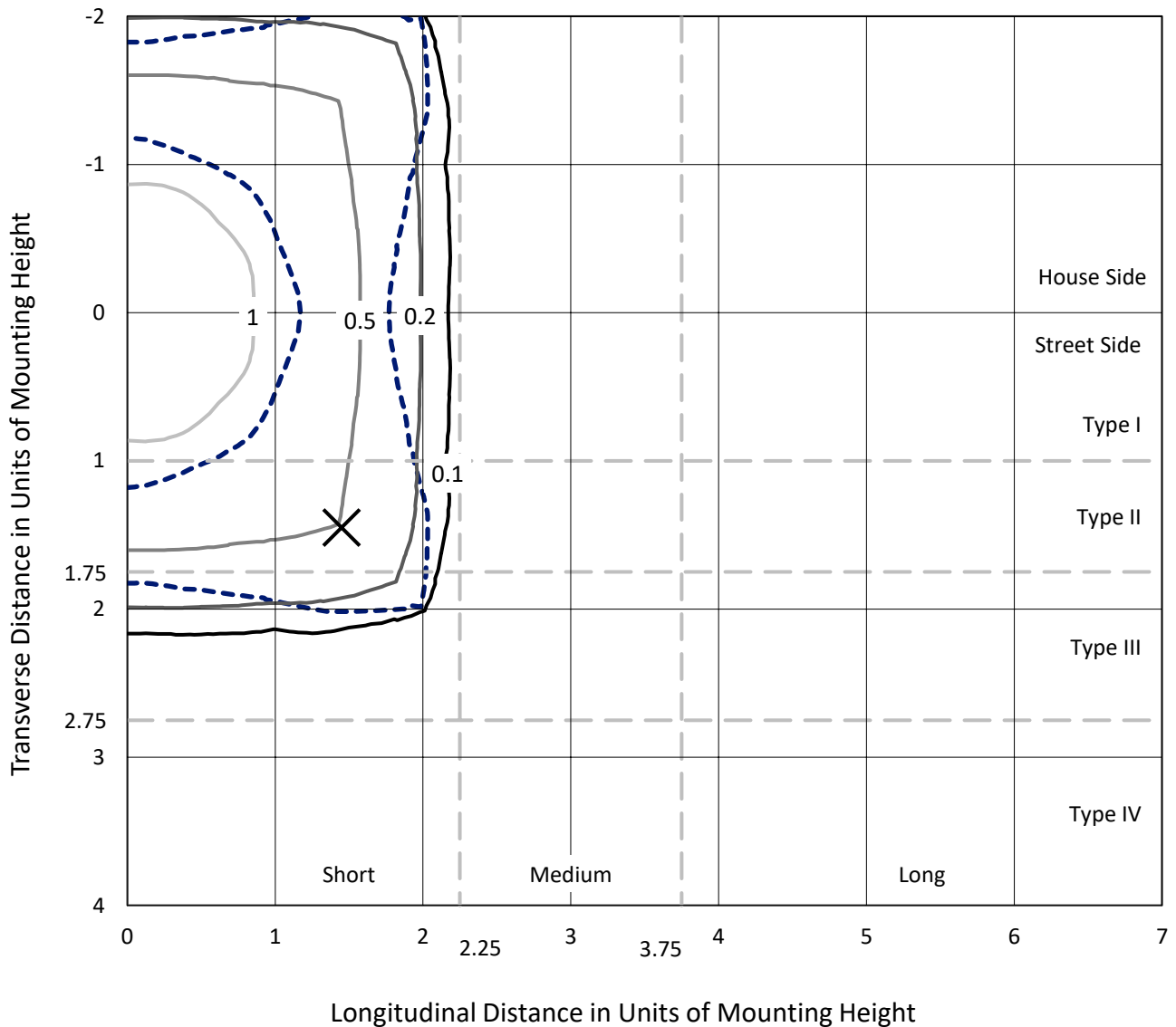
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

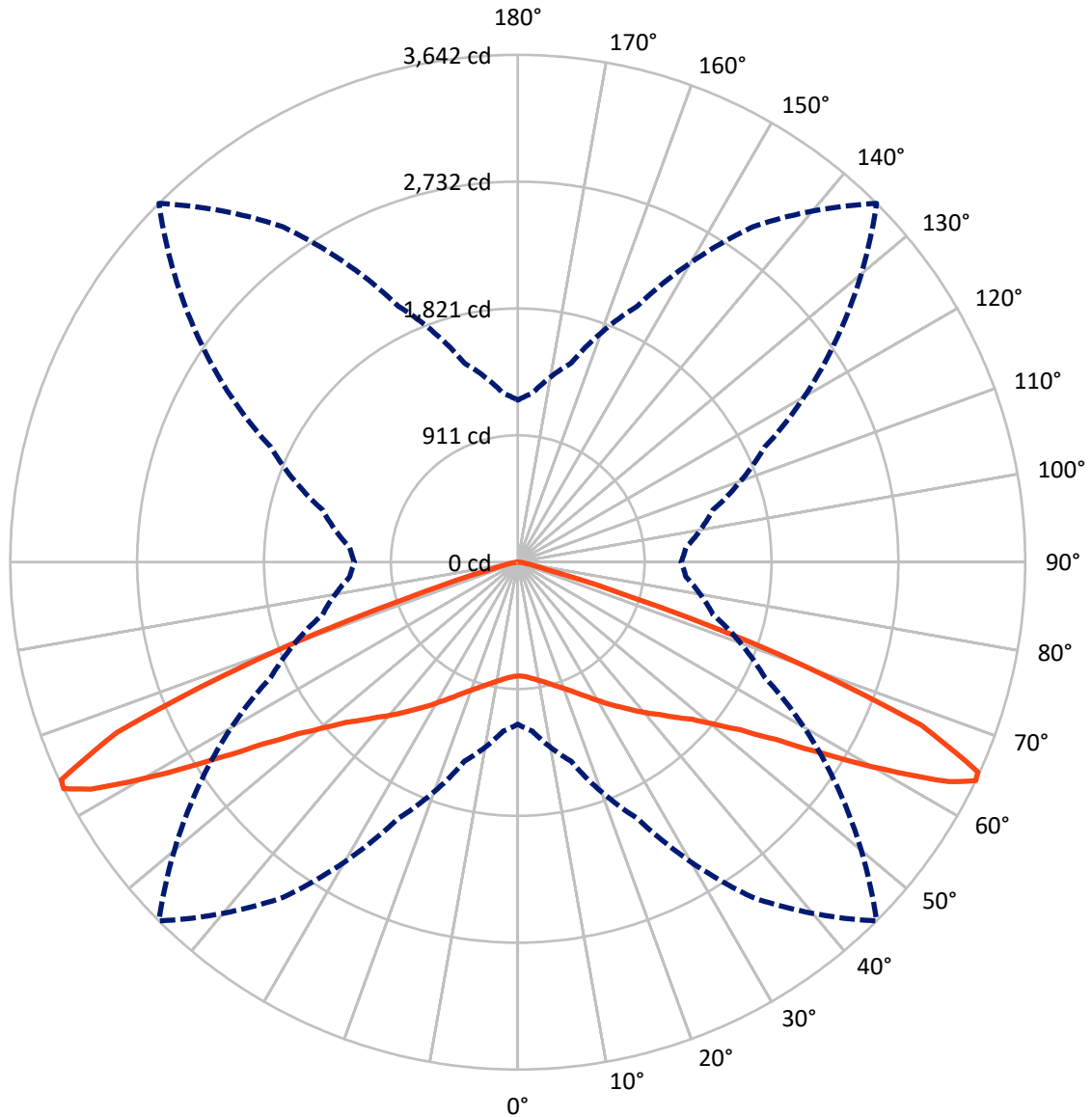
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3380.5	0.0	3380.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3380.5	0.0	3380.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	6761.0	0.0	6761.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	80.3	1.2
10°-20°	259.0	3.8
20°-30°	489.4	7.2
30°-40°	810.4	12.0
40°-50°	1265.2	18.7
50°-60°	1956.0	28.9
60°-70°	1686.6	24.9
70°-80°	191.1	2.8
80°-90°	22.9	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°	6761.0	100.0
0°-180°	6761.0	100.0

Coefficient of Utilization



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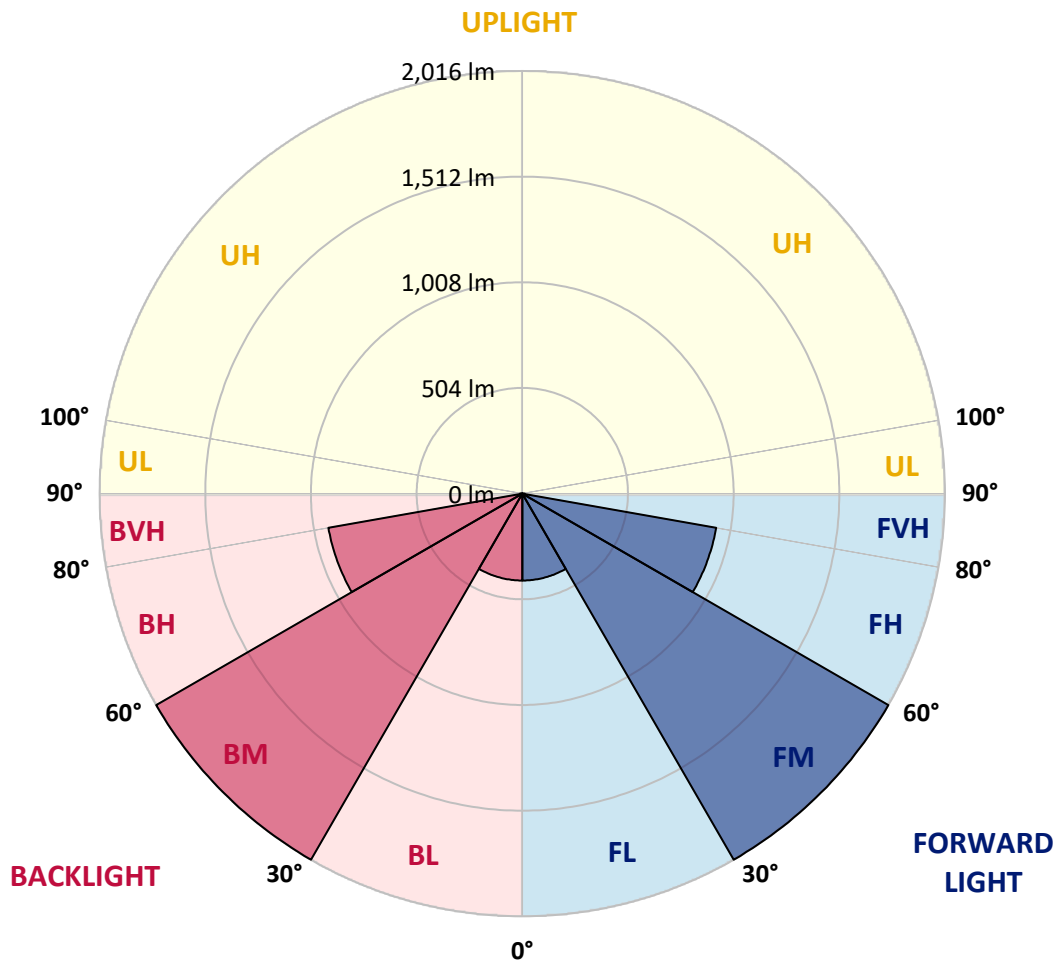
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	414.3	6.1			
FM (30°-60°)	2015.9	29.8			
FH (60°-80°)	938.9	13.9			G1/1800
FVH (80°-90°)	11.4	0.2			G1/100
BL (0°-30°)	414.3	6.1	B1/500		
BM (30°-60°)	2015.9	29.8	B2/2500		
BH (60°-80°)	938.9	13.9	B2/1000		G1/1800
BVH (80°-90°)	11.4	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°	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2	817.2
2.5°	820.4	822.2	820.8	820.4	820.0	820.0	820.0	820.4	821.8	822.9	822.2
5°	830.8	832.2	831.5	831.1	830.8	831.1	830.4	830.1	831.1	831.1	830.8
7.5°	843.7	845.5	844.8	845.5	845.8	846.2	844.4	843.0	842.6	843.7	843.0
10°	861.2	862.7	863.0	863.4	864.1	863.7	861.6	859.1	858.7	858.4	858.0
12.5°	880.9	882.0	882.4	883.8	884.9	885.2	882.7	880.6	877.0	877.7	876.3
15°	903.1	905.3	904.9	907.1	909.9	910.6	908.1	904.6	901.3	899.5	898.5
17.5°	930.3	931.8	931.1	933.2	936.8	938.6	936.4	931.8	928.5	924.6	922.5
20°	962.6	965.1	965.8	965.8	969.0	970.8	967.6	966.1	961.1	958.3	956.5
22.5°	999.1	1000.2	1002.3	1004.5	1007.7	1007.0	1005.9	1003.7	999.1	996.6	993.7
25°	1040.3	1041.4	1046.7	1051.4	1052.5	1051.7	1050.3	1049.2	1044.9	1039.2	1037.1
27.5°	1088.3	1090.4	1097.6	1101.9	1101.9	1102.2	1099.4	1102.9	1093.6	1086.8	1086.1
30°	1148.4	1149.9	1155.9	1160.2	1158.1	1156.3	1155.6	1159.2	1149.1	1137.0	1134.1
32.5°	1207.9	1212.9	1218.3	1227.6	1220.0	1216.8	1216.1	1218.6	1207.1	1193.5	1189.6
35°	1271.6	1275.2	1285.2	1293.1	1286.3	1278.8	1282.0	1289.9	1276.3	1258.0	1257.3
37.5°	1342.2	1345.4	1358.3	1366.5	1361.5	1348.6	1354.0	1363.3	1349.7	1327.1	1322.5
40°	1415.6	1422.4	1438.5	1447.1	1438.8	1421.7	1431.7	1441.7	1429.5	1403.4	1393.0
42.5°	1497.9	1508.7	1531.9	1536.2	1520.5	1497.2	1514.8	1530.9	1522.3	1492.2	1488.3
45°	1594.3	1600.7	1629.3	1638.7	1616.8	1587.8	1609.7	1639.0	1632.6	1597.8	1590.3
47.5°	1702.0	1708.1	1737.9	1751.8	1724.2	1685.2	1724.6	1762.9	1759.0	1721.7	1718.2
50°	1829.5	1831.0	1872.1	1887.9	1860.3	1826.7	1861.8	1909.4	1893.6	1846.0	1845.3
52.5°	1969.2	1971.0	2022.9	2053.3	2037.9	2000.0	2041.5	2070.5	2030.4	1968.1	1963.5
55°	2090.2	2099.2	2170.1	2251.0	2272.1	2244.6	2257.1	2243.5	2144.7	2057.3	2043.7
57.5°	2139.6	2157.2	2265.0	2416.1	2553.6	2594.4	2497.7	2368.1	2190.1	2066.6	2053.3
60°	2019.0	2037.9	2205.2	2492.0	2842.9	3020.2	2748.4	2389.2	2086.6	1913.0	1892.2
62.5°	1616.8	1622.2	1868.2	2313.3	3011.6	3470.7	2854.0	2209.1	1785.5	1549.5	1541.3
64°	1163.5	1218.6	1479.3	2028.3	2937.8	3642.2	2793.2	1956.6	1450.3	1211.4	1172.8
65°	870.2	885.2	1192.5	1732.1	2807.8	3629.3	2675.0	1715.3	1201.1	927.1	884.1
67.5°	328.7	330.5	440.1	863.4	1998.9	3122.6	2041.5	933.2	506.0	366.0	352.7
70°	136.4	138.9	161.5	290.4	859.1	2005.0	984.4	336.6	185.1	150.0	147.9
72.5°	99.9	101.3	108.1	128.9	264.3	823.3	323.7	142.9	108.5	97.0	96.0
75°	78.4	79.1	84.2	94.9	123.2	228.1	134.6	98.1	82.7	74.5	73.8
77.5°	59.8	61.6	65.2	72.3	82.7	108.1	89.2	73.4	63.7	56.9	55.9
80°	41.2	43.3	50.1	53.0	55.5	70.2	60.9	55.5	49.8	41.5	39.0
82.5°	25.4	26.9	33.7	36.2	35.1	39.4	39.0	39.7	35.5	25.8	24.0
85°	13.2	14.0	18.3	19.0	17.5	16.1	20.1	23.3	21.8	14.7	14.3
87.5°	2.9	3.2	3.9	3.6	3.9	3.9	5.0	7.5	7.9	5.0	4.7
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)