

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: P526767

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

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526767
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-5)
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-5NQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4897 lumens
Efficiency: N/A
Efficacy: 75.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

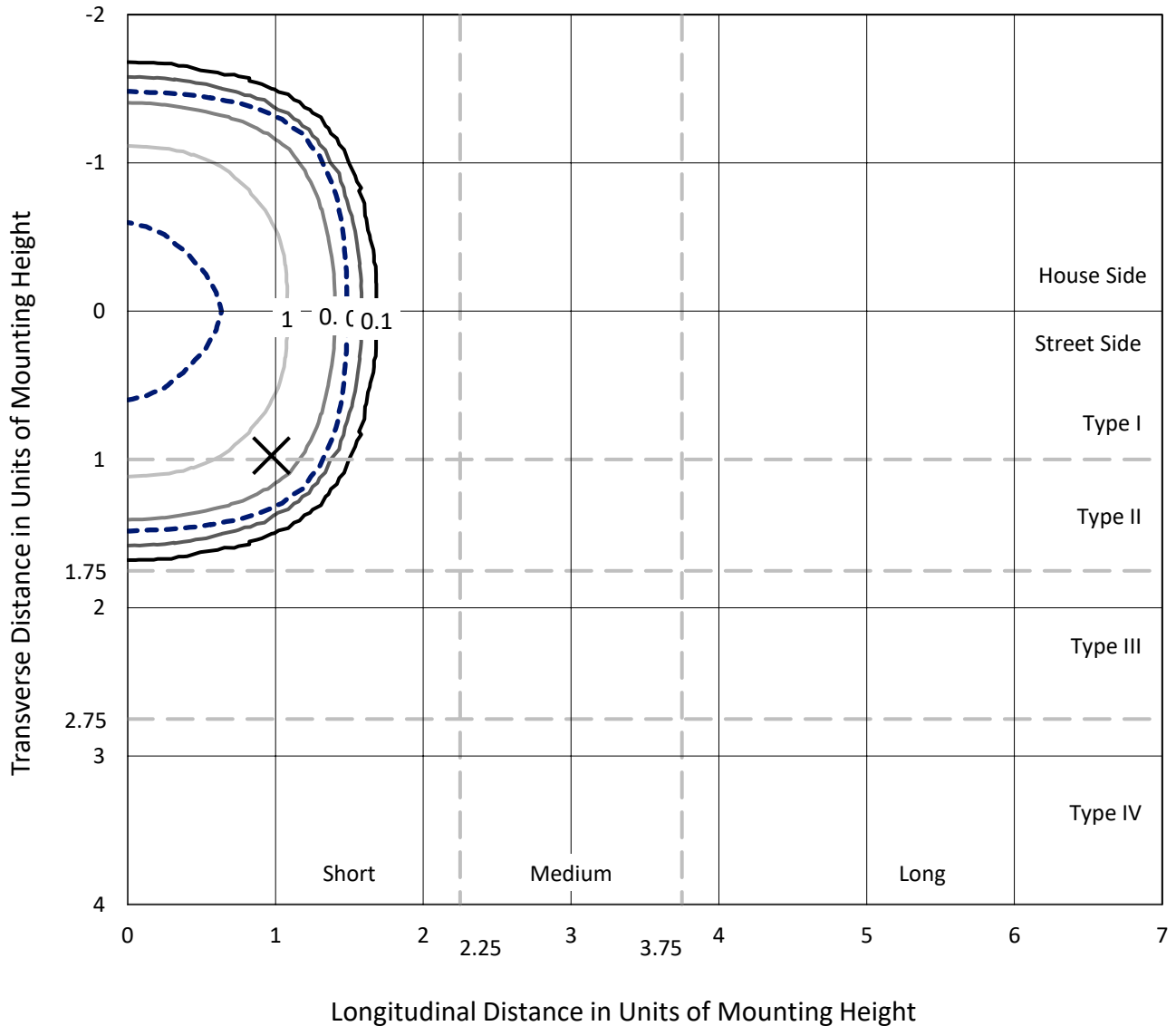
Input Watts (W): 65
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

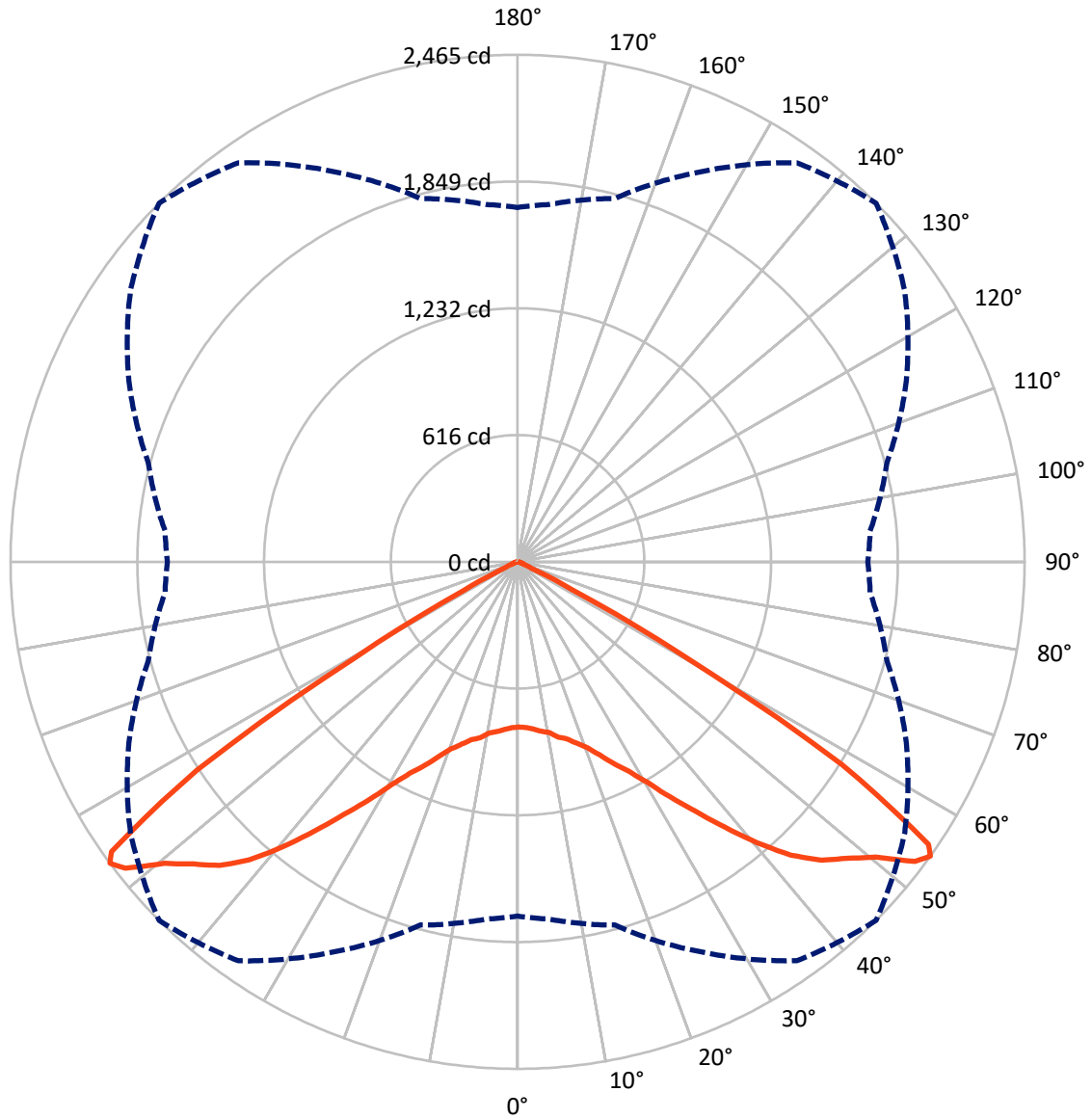
× Max cd
 - - - 1/2 Max cd



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

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2448.5	0.0	2448.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2448.5	0.0	2448.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	4897.0	0.0	4897.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.6	1.6
10°-20°	254.5	5.2
20°-30°	498.8	10.2
30°-40°	897.0	18.3
40°-50°	1535.5	31.4
50°-60°	1485.7	30.3
60°-70°	127.2	2.6
70°-80°	15.1	0.3
80°-90°	4.7	0.1
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°	4897.0	100.0
0°-180°	4897.0	100.0

Coefficient of Utilization

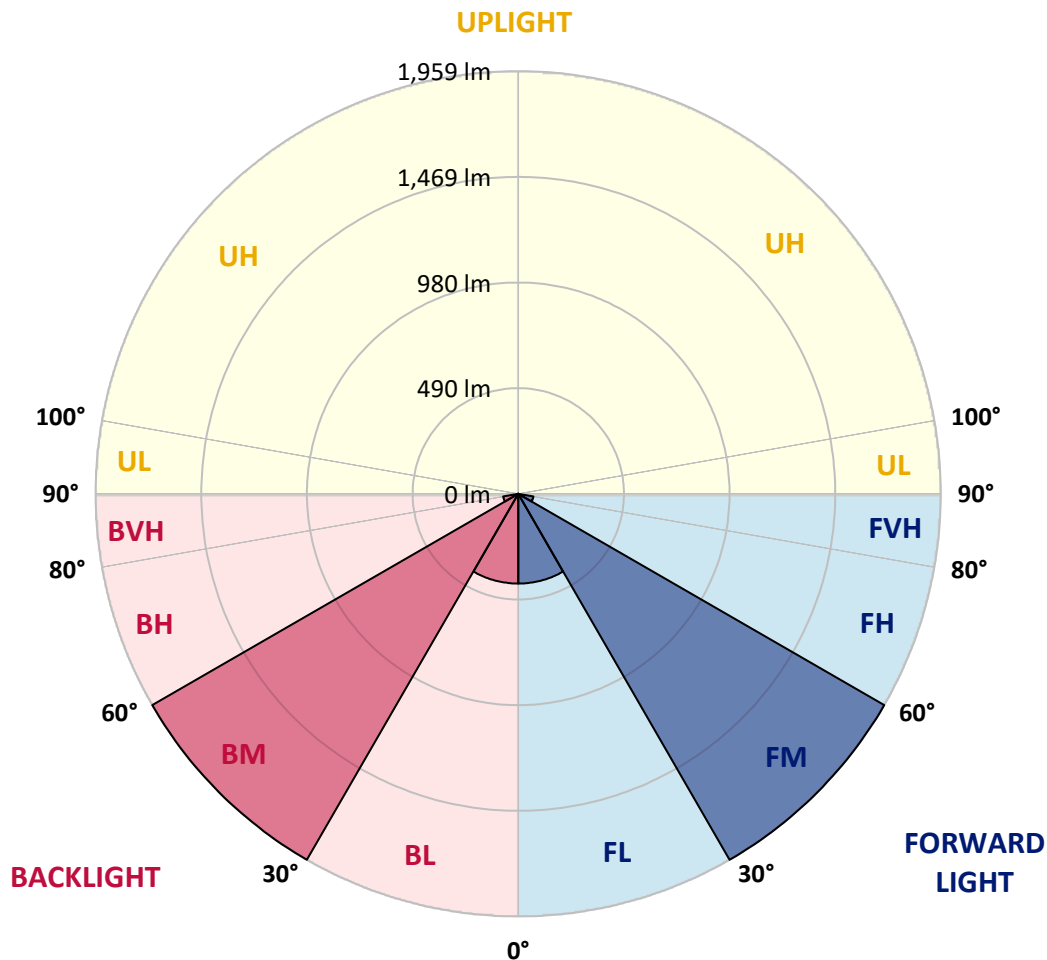


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	416.0	8.5			
FM (30°-60°)	1959.1	40.0			
FH (60°-80°)	71.1	1.5			G0/660
FVH (80°-90°)	2.4	0.0			G0/10
BL (0°-30°)	416.0	8.5	B1/500		
BM (30°-60°)	1959.1	40.0	B2/2500		
BH (60°-80°)	71.1	1.5	B0/110		G0/660
BVH (80°-90°)	2.4	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0	803.0
2.5°	806.8	811.5	808.4	810.7	810.7	806.8	809.2	799.9	806.1	801.4	802.2
5°	819.2	818.5	818.5	819.2	816.1	817.7	814.6	811.5	809.2	806.1	815.4
7.5°	834.8	834.8	829.3	830.9	829.3	831.7	825.5	819.2	816.9	814.6	813.0
10°	849.5	848.0	845.6	852.6	847.2	844.1	841.0	837.1	828.6	825.5	822.4
12.5°	871.2	870.5	867.3	874.3	871.2	874.3	862.7	852.6	851.1	841.0	846.4
15°	896.8	903.8	898.4	898.4	896.8	892.9	888.3	883.6	869.7	865.8	866.6
17.5°	930.2	927.9	928.6	928.6	936.4	926.3	917.0	905.4	898.4	896.1	888.3
20°	962.0	965.1	964.3	969.8	974.4	963.5	953.5	951.9	932.5	935.6	924.8
22.5°	1017.9	1015.5	1019.4	1023.3	1020.2	1018.6	1009.3	997.7	980.6	972.9	971.3
25°	1076.8	1072.9	1066.0	1075.3	1079.9	1086.9	1069.1	1062.8	1036.5	1024.8	1025.6
27.5°	1127.2	1132.7	1140.4	1144.3	1155.9	1153.6	1141.2	1121.0	1100.9	1087.7	1079.1
30°	1196.3	1199.4	1212.6	1218.0	1238.2	1243.6	1224.2	1200.9	1165.3	1148.2	1138.1
32.5°	1259.9	1281.6	1280.8	1308.0	1340.6	1363.1	1328.2	1292.5	1256.8	1236.6	1218.8
35°	1363.1	1359.2	1381.7	1410.4	1463.2	1488.8	1450.8	1409.6	1355.3	1322.7	1308.8
37.5°	1459.3	1460.8	1491.1	1536.9	1597.4	1636.9	1603.6	1536.1	1480.2	1438.3	1418.9
40°	1598.9	1602.0	1633.1	1685.0	1753.3	1796.0	1757.2	1688.9	1614.4	1581.9	1581.9
42.5°	1762.6	1775.8	1796.0	1841.0	1902.3	1949.6	1914.7	1861.1	1785.9	1744.0	1750.2
45°	1931.0	1937.2	1950.4	2017.1	2045.8	2069.1	2036.5	2011.7	1961.2	1910.0	1901.5
47.5°	2088.5	2090.8	2129.6	2150.5	2173.0	2153.6	2174.6	2142.0	2085.4	2035.7	2025.6
50°	2158.3	2154.4	2209.5	2273.1	2290.2	2256.0	2238.2	2216.5	2130.4	2070.6	2044.2
52.5°	1955.0	1977.5	2079.9	2256.8	2390.2	2419.0	2315.0	2214.9	2054.3	1938.0	1920.1
54°	1722.3	1743.2	1827.8	2090.0	2367.7	2464.7	2297.2	2084.6	1858.0	1720.0	1702.1
55°	1491.9	1468.6	1622.2	1889.9	2262.2	2424.4	2226.6	1916.2	1657.1	1530.7	1505.8
57.5°	807.6	811.5	941.0	1194.0	1589.6	1858.8	1641.6	1296.4	979.1	837.1	824.7
60°	256.0	262.2	318.9	482.5	759.5	906.9	777.4	520.6	360.0	288.6	277.0
62.5°	79.9	83.0	90.8	135.0	207.9	297.1	232.7	139.6	104.0	95.4	97.0
65°	48.9	48.9	49.7	52.8	62.1	72.1	69.8	61.3	59.0	57.4	56.6
67.5°	31.8	31.0	32.6	34.9	36.5	37.2	39.6	41.9	41.1	39.6	39.6
70°	19.4	18.6	20.2	23.3	24.0	25.6	27.9	31.0	30.3	28.7	29.5
72.5°	10.9	10.9	11.6	14.0	16.3	17.8	20.2	22.5	23.3	22.5	22.5
75°	3.9	4.7	6.2	8.5	10.1	12.4	14.7	17.1	19.4	17.8	17.1
77.5°	1.6	1.6	3.1	5.4	7.8	10.1	14.0	16.3	17.8	16.3	14.7
80°	0.8	0.8	2.3	4.7	7.0	9.3	11.6	14.0	14.7	13.2	11.6
82.5°	0.8	0.8	2.3	4.7	7.0	8.5	12.4	14.0	15.5	14.0	11.6
85°	0.0	0.8	2.3	4.7	6.2	7.0	7.0	4.7	3.9	2.3	2.3
87.5°	0.0	0.0	0.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)