

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: P450688

Luminaire Tested: **GALN-SA1C-730-U-RW**

Issue Date: 1/4/2021

Test Information

Test Method: LM-79-08
Report Number: P450688
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-SA1C-730-U-RW
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND RECTANGULAR WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6684 lumens
Efficiency: N/A
Efficacy: 117.3 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

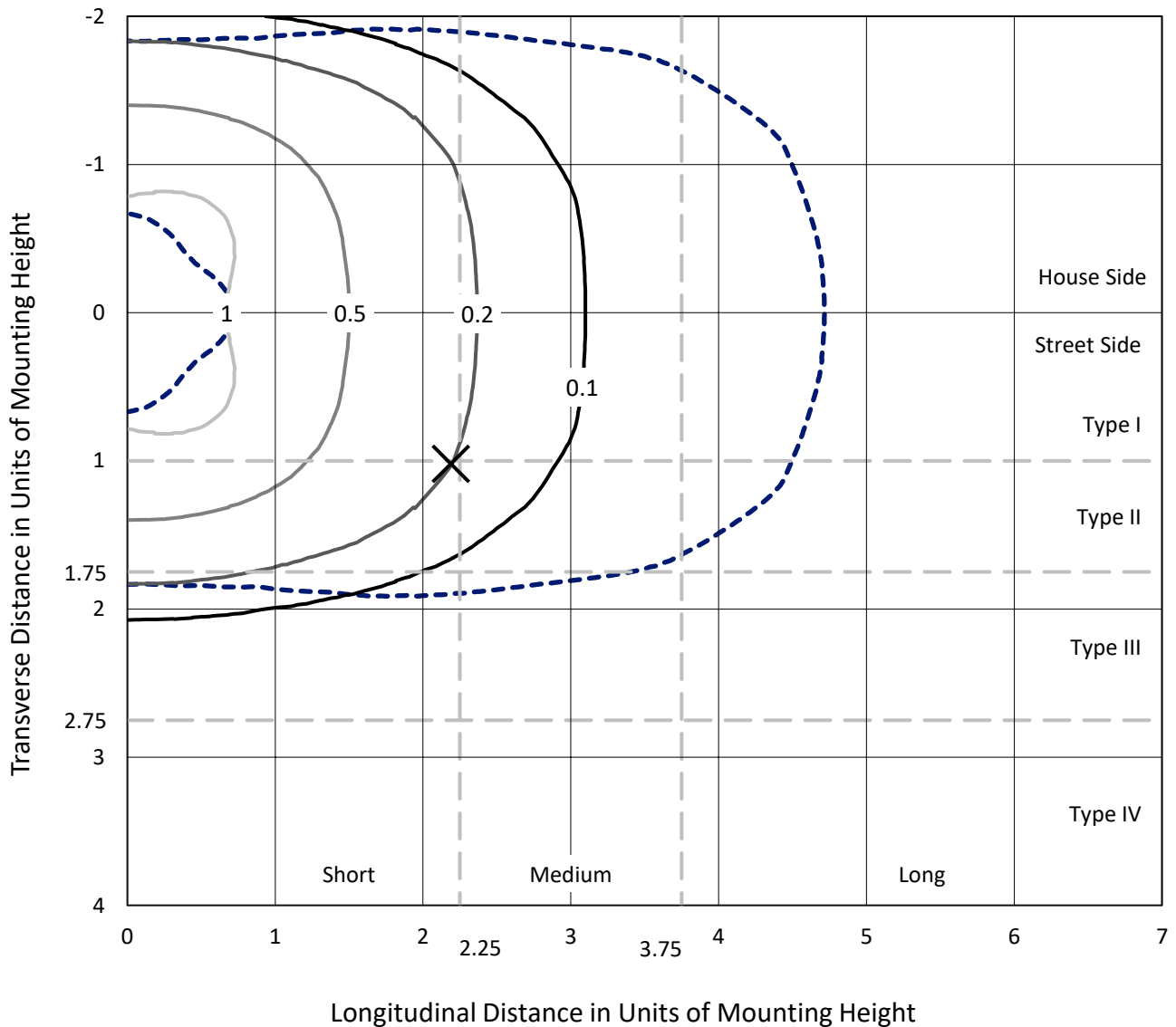
Input Watts (W): 57
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

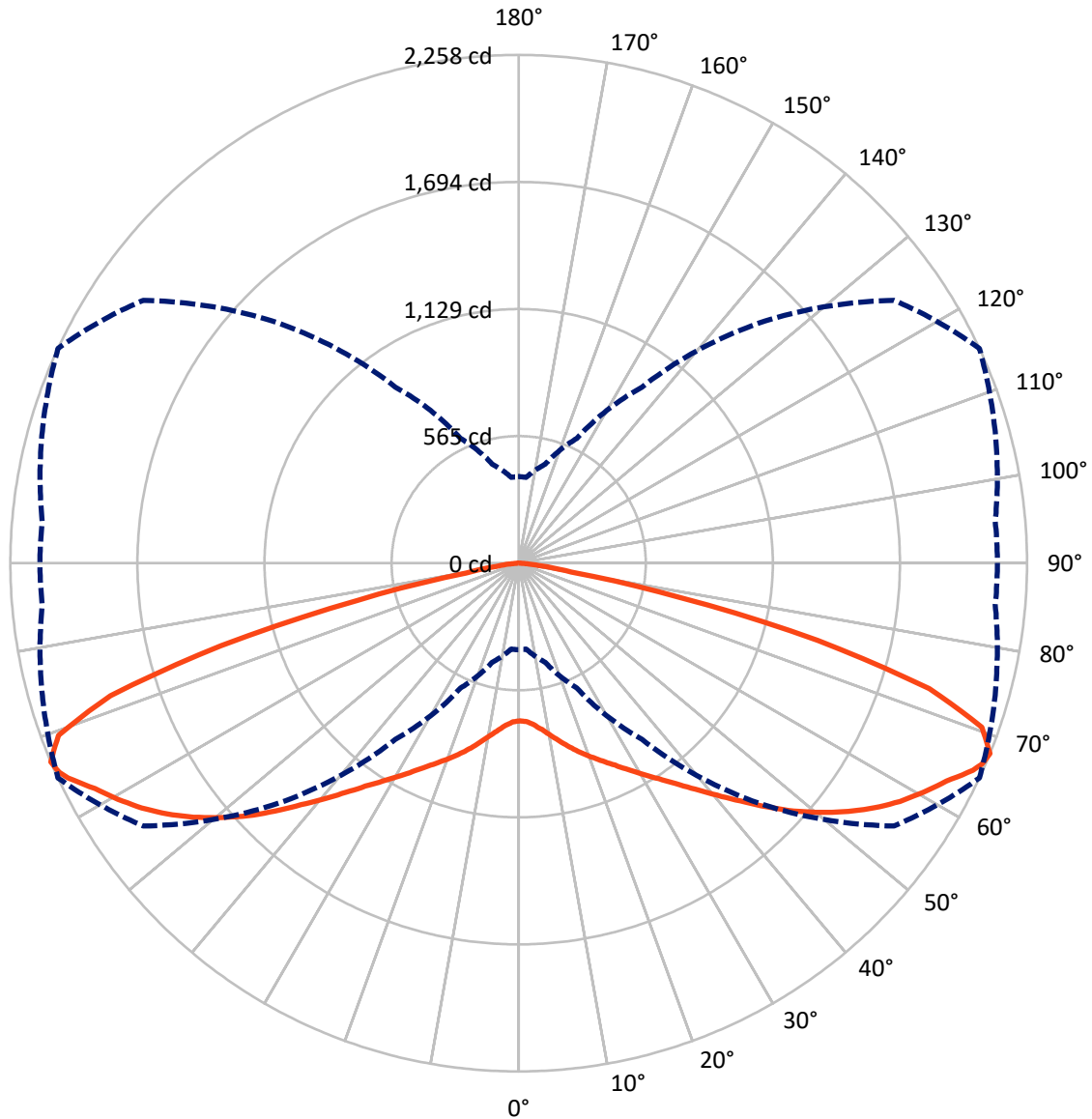
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.3 fc
 Type 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	3342.0	0.0	3342.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3342.0	0.0	3342.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6684.0	0.0	6684.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.0	1.0
10°-20°	231.1	3.5
20°-30°	452.0	6.8
30°-40°	768.9	11.5
40°-50°	1216.9	18.2
50°-60°	1613.6	24.1
60°-70°	1522.1	22.8
70°-80°	752.4	11.3
80°-90°	58.0	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°	6684.0	100.0
0°-180°	6684.0	100.0

Coefficient of Utilization



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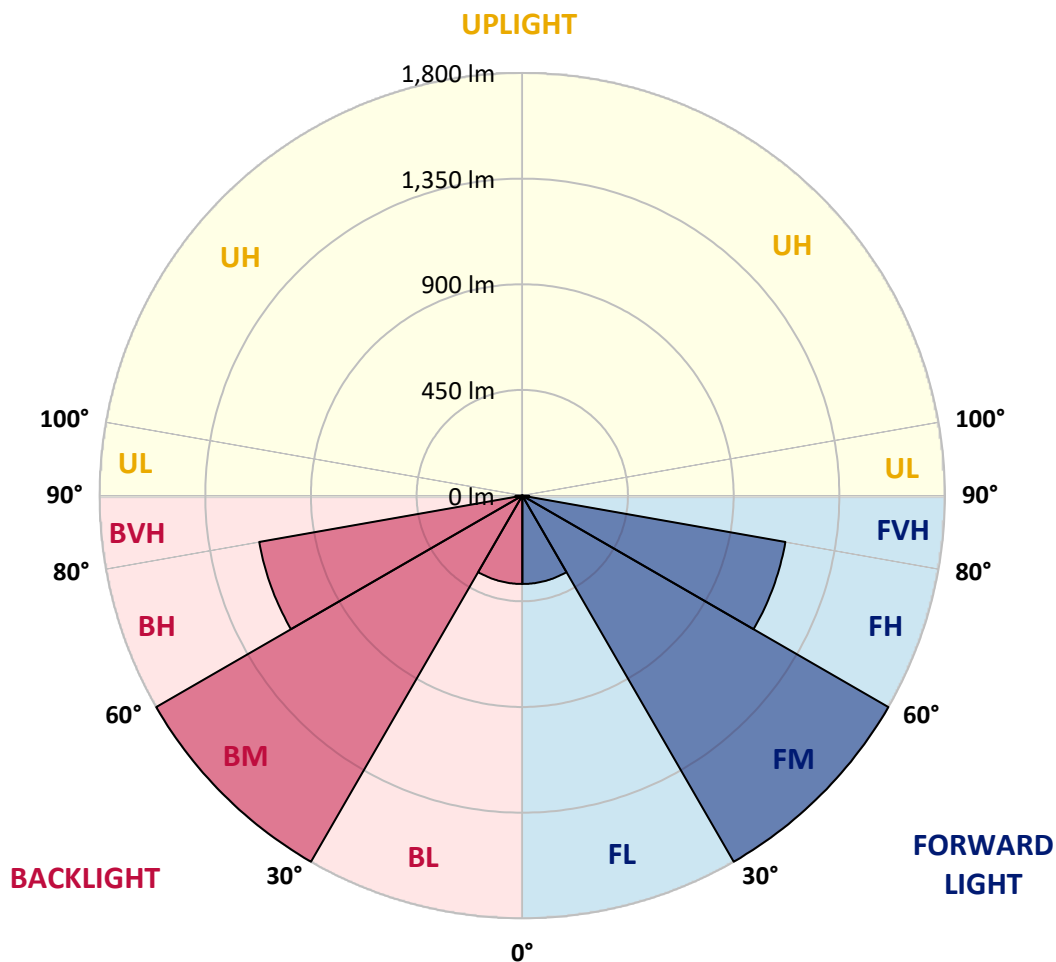
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	376.1	5.6			
FM	(30°-60°)	1799.6	26.9			
FH	(60°-80°)	1137.3	17.0			G1/1800
FVH	(80°-90°)	29.0	0.4			G1/100
BL	(0°-30°)	376.1	5.6	B1/500		
BM	(30°-60°)	1799.6	26.9	B2/2500		
BH	(60°-80°)	1137.3	17.0	B3/2500		G3/2500
BVH	(80°-90°)	29.0	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°	700.1	700.1	700.1	700.1	700.1	700.1	700.1	700.1	700.1	700.1	700.1
2.5°	696.5	697.2	697.9	699.0	700.4	702.6	704.0	705.1	708.0	708.3	708.0
5°	694.0	694.7	696.5	699.7	704.4	710.8	715.8	721.9	726.6	729.8	729.1
7.5°	693.6	695.1	697.9	704.7	713.7	724.8	736.3	746.6	755.6	762.8	761.7
10°	699.4	701.2	705.8	715.8	729.8	745.9	762.0	777.4	790.3	799.6	802.9
12.5°	709.0	710.5	719.1	734.1	754.2	774.2	792.5	811.5	829.4	845.1	845.1
15°	725.9	728.4	739.1	761.0	785.7	809.0	827.6	847.6	867.0	884.9	890.2
17.5°	749.2	752.7	768.8	796.8	828.3	849.8	867.3	883.8	900.6	917.8	920.3
20°	781.0	784.6	806.1	839.7	877.0	902.8	914.6	918.5	926.8	943.2	945.4
22.5°	824.4	827.9	851.9	889.9	931.4	959.4	964.4	955.1	952.9	965.8	967.2
25°	873.4	876.6	904.2	945.0	988.0	1018.4	1017.0	994.1	981.2	989.1	991.2
27.5°	928.6	933.2	961.1	1003.4	1050.0	1076.8	1072.5	1039.2	1011.6	1010.2	1010.9
30°	999.1	1004.1	1030.6	1071.1	1116.9	1141.6	1132.7	1087.9	1045.3	1031.0	1031.0
32.5°	1073.6	1086.1	1113.0	1155.2	1191.0	1209.0	1195.3	1141.6	1085.1	1065.0	1063.9
35°	1170.6	1177.4	1203.9	1245.1	1272.0	1285.9	1259.8	1202.1	1137.0	1113.3	1110.1
37.5°	1265.5	1271.3	1302.1	1341.5	1374.0	1373.3	1337.9	1274.1	1201.4	1174.9	1172.8
40°	1362.6	1368.7	1403.8	1439.9	1472.5	1469.7	1426.7	1355.4	1278.1	1248.3	1254.1
42.5°	1446.7	1453.5	1493.3	1544.9	1574.2	1573.5	1523.7	1443.5	1362.9	1336.4	1341.5
45°	1523.4	1529.5	1575.7	1634.7	1677.7	1683.1	1628.6	1543.8	1461.1	1427.0	1428.5
47.5°	1577.4	1588.9	1637.2	1704.9	1763.3	1782.3	1728.9	1645.8	1550.6	1515.1	1517.3
50°	1618.6	1625.8	1678.4	1755.4	1829.2	1868.6	1825.6	1740.4	1640.1	1602.5	1607.5
52.5°	1623.6	1632.2	1689.5	1778.3	1872.9	1932.7	1911.6	1832.8	1731.4	1692.7	1703.5
55°	1582.8	1587.8	1656.2	1764.0	1890.1	1980.3	1985.7	1918.7	1818.4	1789.1	1796.2
57.5°	1466.4	1479.3	1566.0	1697.0	1866.4	2005.7	2041.2	1996.8	1906.5	1877.5	1889.0
60°	1275.6	1288.5	1375.5	1541.6	1777.3	1993.9	2087.0	2065.9	1986.4	1963.1	1969.2
62.5°	999.5	998.4	1106.2	1309.9	1600.0	1935.9	2121.0	2132.5	2065.2	2035.8	2045.1
65°	647.8	651.0	755.2	974.8	1332.5	1788.4	2128.6	2217.4	2142.5	2098.1	2104.9
66°	521.0	530.7	619.2	821.5	1196.1	1691.7	2106.0	2242.4	2166.2	2112.4	2115.7
67.5°	384.6	382.8	455.5	611.6	955.1	1508.0	2035.5	2258.2	2193.0	2125.3	2126.8
70°	219.5	219.2	244.9	335.9	561.5	1061.8	1715.7	2182.6	2247.5	2171.9	2168.0
72.5°	160.4	159.4	162.9	185.5	273.9	536.1	1183.5	1907.6	2219.5	2164.4	2153.3
75°	134.6	133.9	133.2	136.1	153.6	242.8	628.1	1372.2	1925.9	2031.5	2020.1
77.5°	109.9	109.9	110.3	109.6	110.3	127.8	260.3	735.5	1172.8	1309.2	1341.1
80°	85.9	85.6	91.7	89.2	83.4	82.0	115.3	236.7	389.3	387.1	319.4
82.5°	63.4	59.1	69.8	68.0	61.6	52.3	67.3	101.0	130.0	84.5	62.7
85°	40.1	39.7	49.4	45.1	37.6	24.7	32.2	43.3	53.7	32.6	26.5
87.5°	7.2	6.8	15.8	11.5	11.5	7.2	9.0	11.8	17.5	12.2	9.0
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)