

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: P527471

Luminaire Tested: **GALN-SA2C-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527471
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA2C-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6716 lumens
Efficiency: N/A
Efficacy: 62.2 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

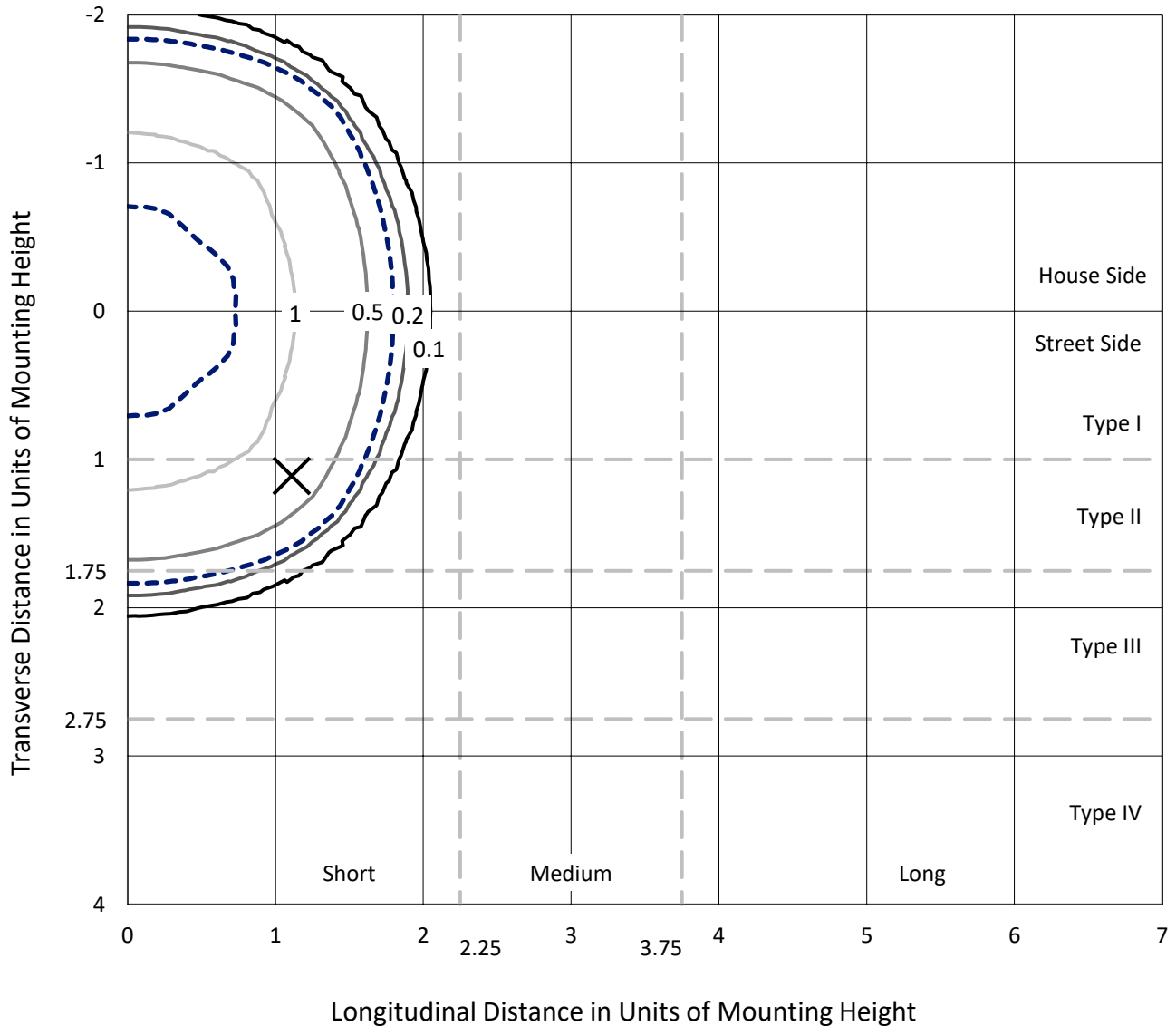
Input Watts (W): 108
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

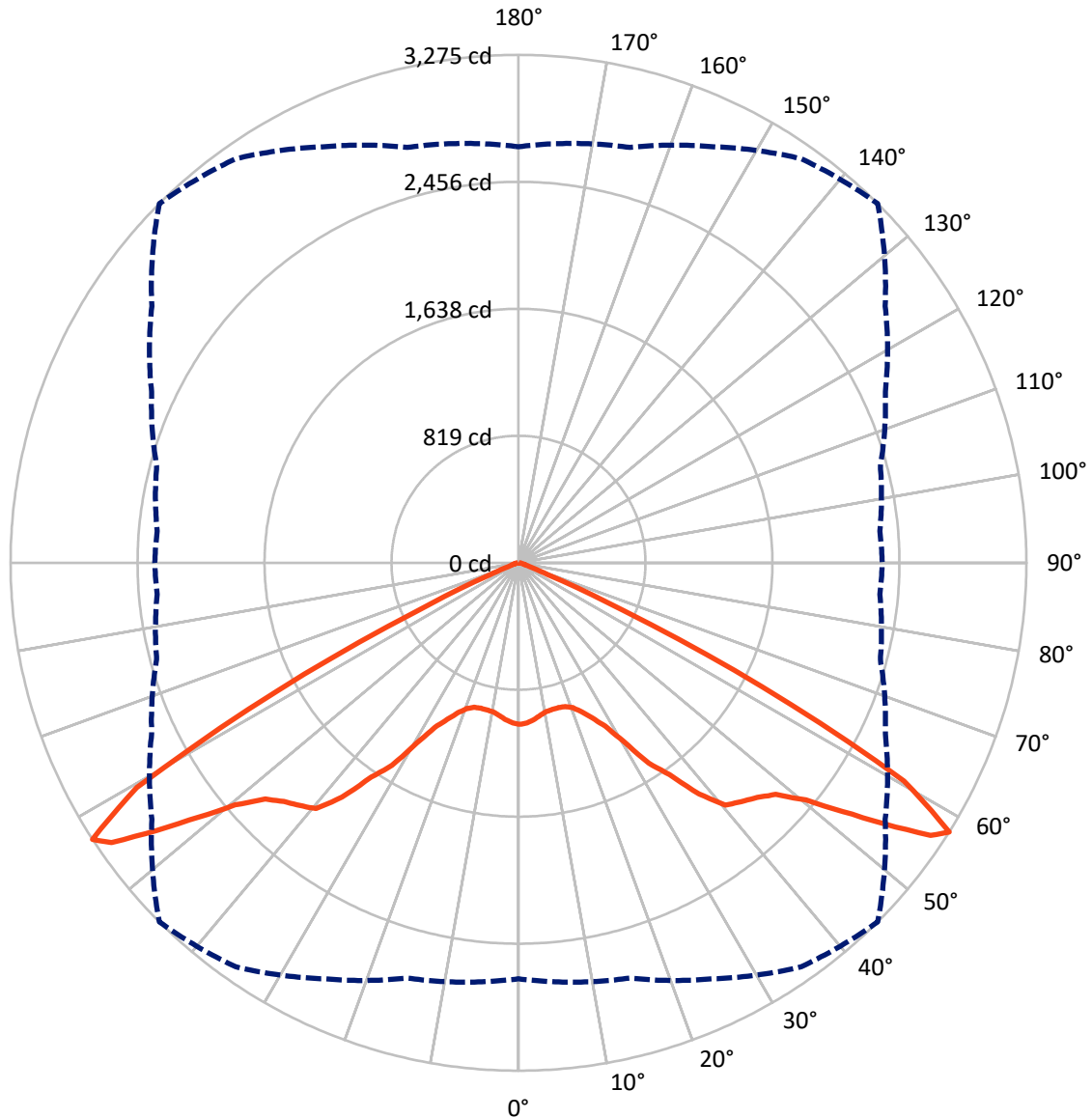
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.7 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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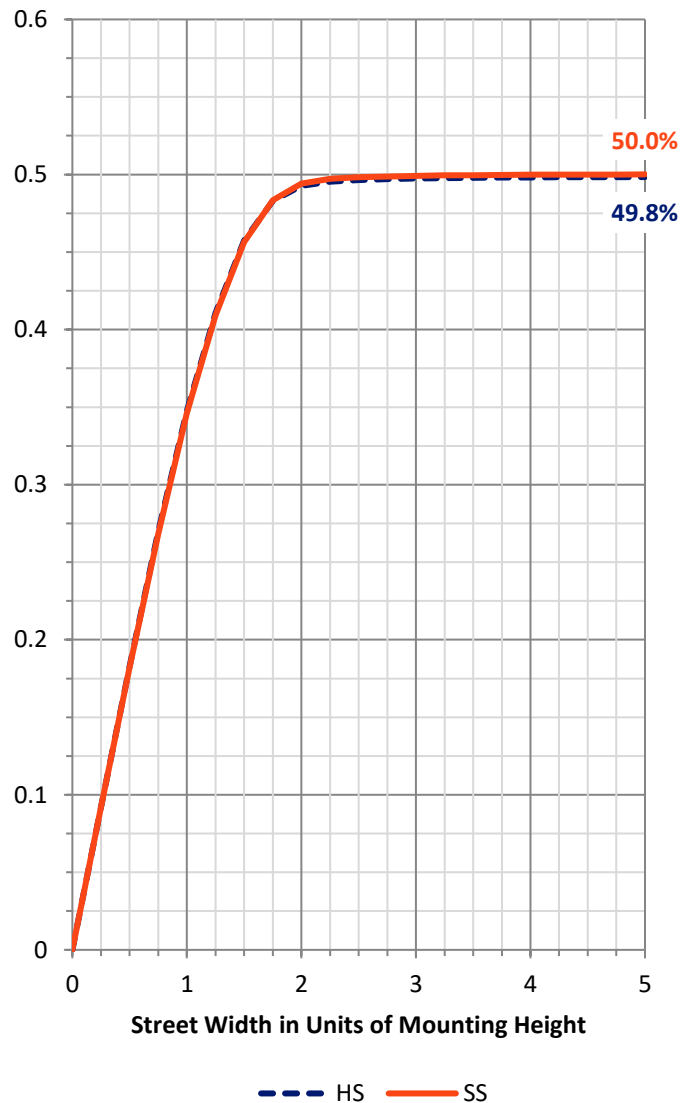
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3358.0	0.0	3358.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3358.0	0.0	3358.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	6716.0	0.0	6716.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	95.7	1.4
10°-20°	276.7	4.1
20°-30°	510.7	7.6
30°-40°	1004.5	15.0
40°-50°	1636.0	24.4
50°-60°	2333.1	34.7
60°-70°	807.8	12.0
70°-80°	43.3	0.6
80°-90°	8.1	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°	6716.0	100.0
0°-180°	6716.0	100.0

Coefficient of Utilization

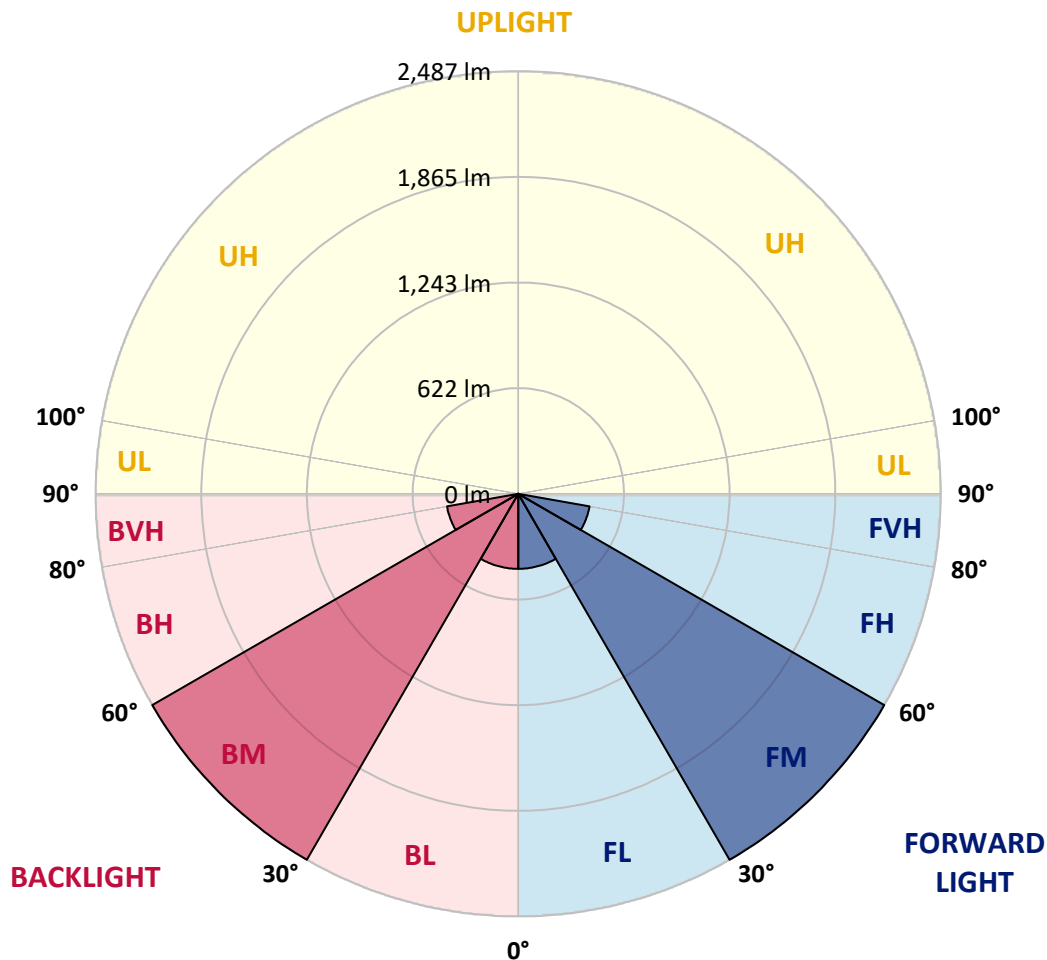


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	441.6	6.6			
FM (30°-60°)	2486.8	37.0			
FH (60°-80°)	425.6	6.3			G0/660
FVH (80°-90°)	4.1	0.1			G0/10
BL (0°-30°)	441.6	6.6	B1/500		
BM (30°-60°)	2486.8	37.0	B2/2500		
BH (60°-80°)	425.6	6.3	B1/500		G0/660
BVH (80°-90°)	4.1	0.1			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°	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7	1041.7
2.5°	1038.9	1044.5	1037.5	1034.7	1033.3	1033.3	1029.1	1029.1	1027.7	1029.1	1023.5
5°	1022.1	1027.7	1027.7	1026.3	1017.9	1016.5	1012.3	1009.5	1010.9	1005.3	1009.5
7.5°	1005.3	1009.5	1003.9	1002.5	999.7	994.1	992.7	980.1	981.5	981.5	984.3
10°	1002.5	1001.1	992.7	985.7	977.3	975.9	971.7	968.9	968.9	967.5	971.7
12.5°	1002.5	995.5	994.1	978.7	964.7	970.3	959.1	952.1	961.9	964.7	970.3
15°	1001.1	1008.1	984.3	977.3	967.5	968.9	959.1	952.1	957.7	960.5	964.7
17.5°	1009.5	1005.3	998.3	984.3	980.1	974.5	961.9	956.3	956.3	963.3	964.7
20°	1031.9	1020.7	1006.7	999.7	1003.9	996.9	981.5	960.5	966.1	971.7	975.9
22.5°	1052.9	1044.5	1034.7	1030.5	1054.3	1043.1	1016.5	992.7	984.3	994.1	1001.1
25°	1093.5	1093.5	1075.3	1080.9	1107.5	1108.9	1078.1	1036.1	1030.5	1034.7	1037.5
27.5°	1176.1	1180.3	1164.9	1170.5	1181.7	1191.5	1164.9	1129.9	1117.3	1115.9	1120.1
30°	1265.7	1274.1	1272.7	1296.6	1328.8	1334.4	1295.2	1237.7	1199.9	1192.9	1198.5
32.5°	1383.4	1387.6	1384.8	1412.8	1499.6	1540.2	1438.0	1356.8	1306.4	1319.0	1306.4
35°	1604.6	1600.4	1569.6	1575.2	1646.6	1676.0	1578.0	1526.2	1502.4	1527.6	1522.0
37.5°	1795.0	1779.6	1754.4	1790.8	1865.0	1891.6	1789.4	1698.4	1655.0	1697.0	1715.2
40°	1956.0	1916.8	1881.8	1918.2	2017.6	2054.0	1904.2	1830.0	1813.2	1844.0	1883.2
42.5°	2091.8	2066.6	2020.4	2023.2	2089.0	2105.8	1985.4	1942.0	1925.2	1974.2	1993.8
45°	2188.5	2164.7	2121.2	2118.4	2168.9	2157.7	2049.8	2020.4	2030.2	2062.4	2072.2
47.5°	2237.5	2250.1	2224.9	2231.9	2258.5	2231.9	2146.5	2146.5	2124.0	2143.7	2133.8
50°	2378.9	2339.7	2371.9	2371.9	2399.9	2402.7	2317.3	2286.5	2226.3	2192.7	2192.7
52.5°	2544.1	2546.9	2559.5	2605.7	2653.3	2693.9	2572.1	2440.5	2339.7	2296.3	2290.7
55°	2679.9	2707.9	2758.3	2845.1	2982.3	3038.4	2828.3	2593.1	2469.9	2402.7	2388.7
56°	2754.1	2727.5	2814.3	2933.3	3112.6	3185.4	2870.3	2623.9	2488.1	2412.5	2411.1
57.5°	2682.7	2712.1	2772.3	2959.9	3179.8	3275.0	2885.7	2609.9	2415.3	2338.3	2345.3
60°	2118.4	2146.5	2227.7	2437.7	2782.1	2856.3	2441.9	2152.1	1978.4	1867.8	1869.2
62.5°	1198.5	1219.5	1282.6	1477.2	1691.4	1762.8	1522.0	1328.8	1208.3	1146.7	1127.1
65°	441.1	432.7	442.5	541.9	673.5	733.7	632.9	534.9	471.9	449.5	441.1
67.5°	165.2	152.6	142.8	152.6	191.8	203.0	186.2	155.4	145.6	149.8	152.6
70°	102.2	96.6	77.0	72.8	71.4	70.0	74.2	78.4	89.6	105.0	107.8
72.5°	71.4	67.2	54.6	51.8	49.0	47.6	54.6	60.2	70.0	81.2	82.6
75°	28.0	29.4	28.0	30.8	32.2	33.6	39.2	43.4	47.6	47.6	46.2
77.5°	5.6	5.6	8.4	11.2	14.0	18.2	26.6	30.8	32.2	30.8	26.6
80°	0.0	0.0	2.8	5.6	11.2	15.4	23.8	26.6	29.4	26.6	21.0
82.5°	0.0	0.0	2.8	7.0	11.2	14.0	22.4	28.0	32.2	29.4	22.4
85°	0.0	0.0	2.8	5.6	8.4	9.8	9.8	7.0	7.0	4.2	2.8
87.5°	0.0	0.0	0.0	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)