

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: P528173

Luminaire Tested: **GALN-SA3B-730-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P528173
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-SA3B-730-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA 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: 8069 lumens
Efficiency: N/A
Efficacy: 66.7 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

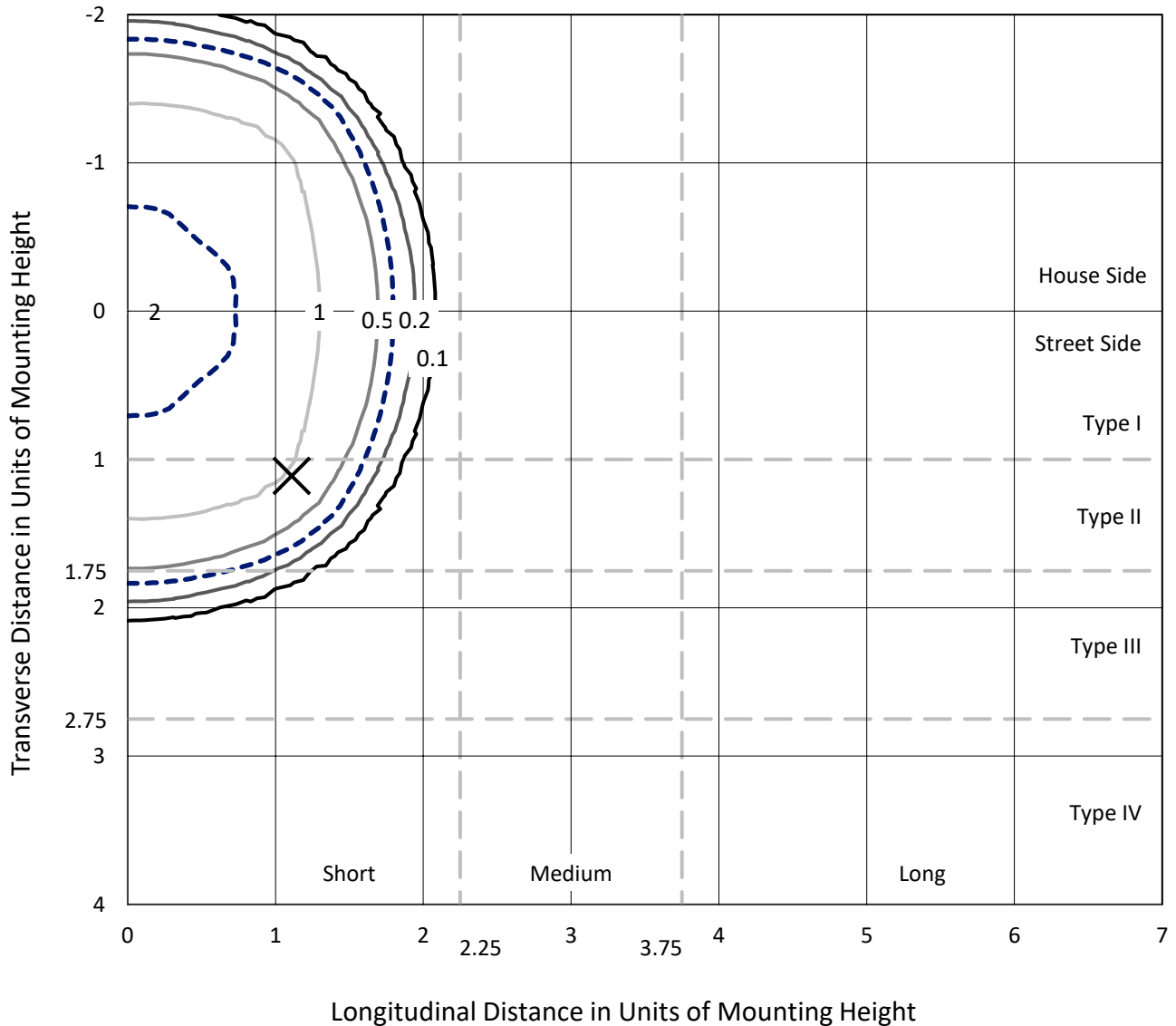
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

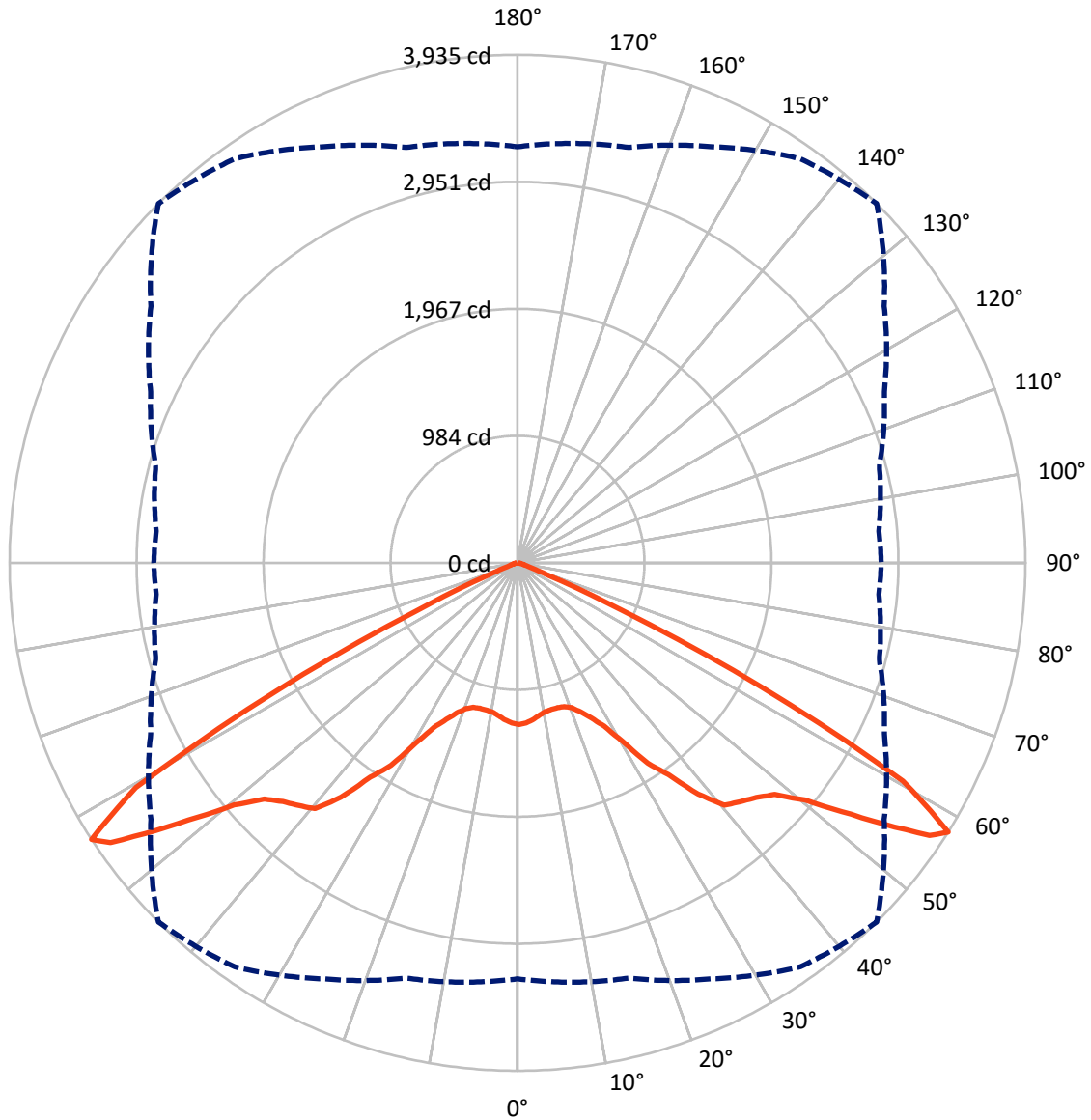
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 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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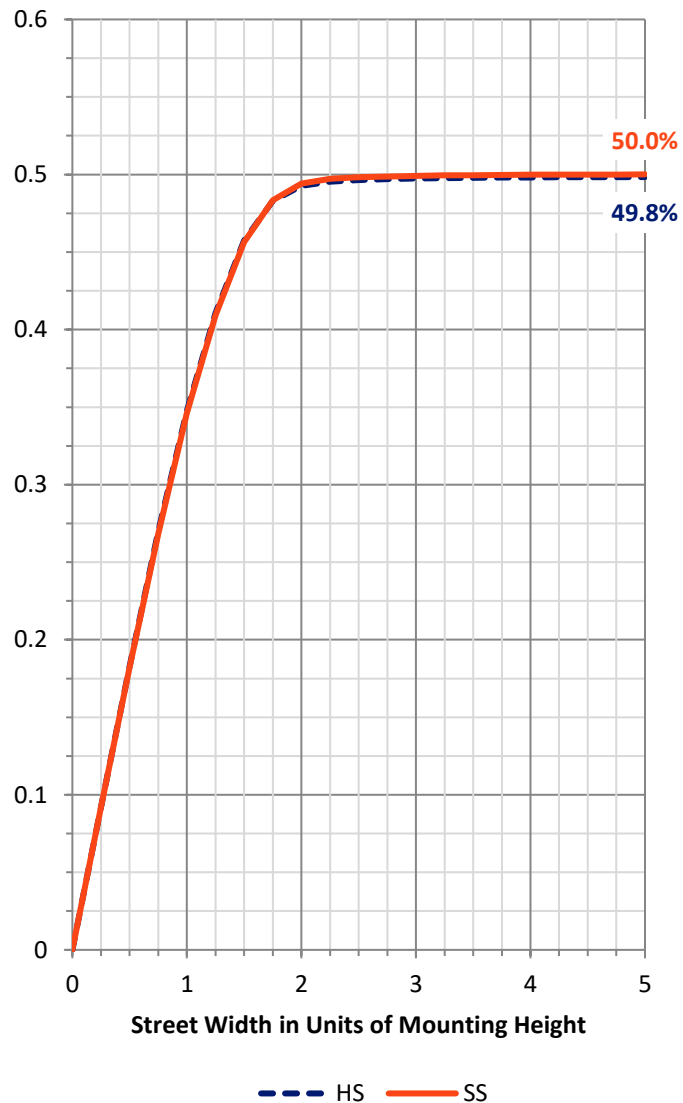
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4034.5	0.0	4034.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	4034.5	0.0	4034.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	8069.0	0.0	8069.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	115.0	1.4
10°-20°	332.4	4.1
20°-30°	613.6	7.6
30°-40°	1206.8	15.0
40°-50°	1965.6	24.4
50°-60°	2803.1	34.7
60°-70°	970.5	12.0
70°-80°	52.1	0.6
80°-90°	9.8	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°	8069.0	100.0
0°-180°	8069.0	100.0

Coefficient of Utilization



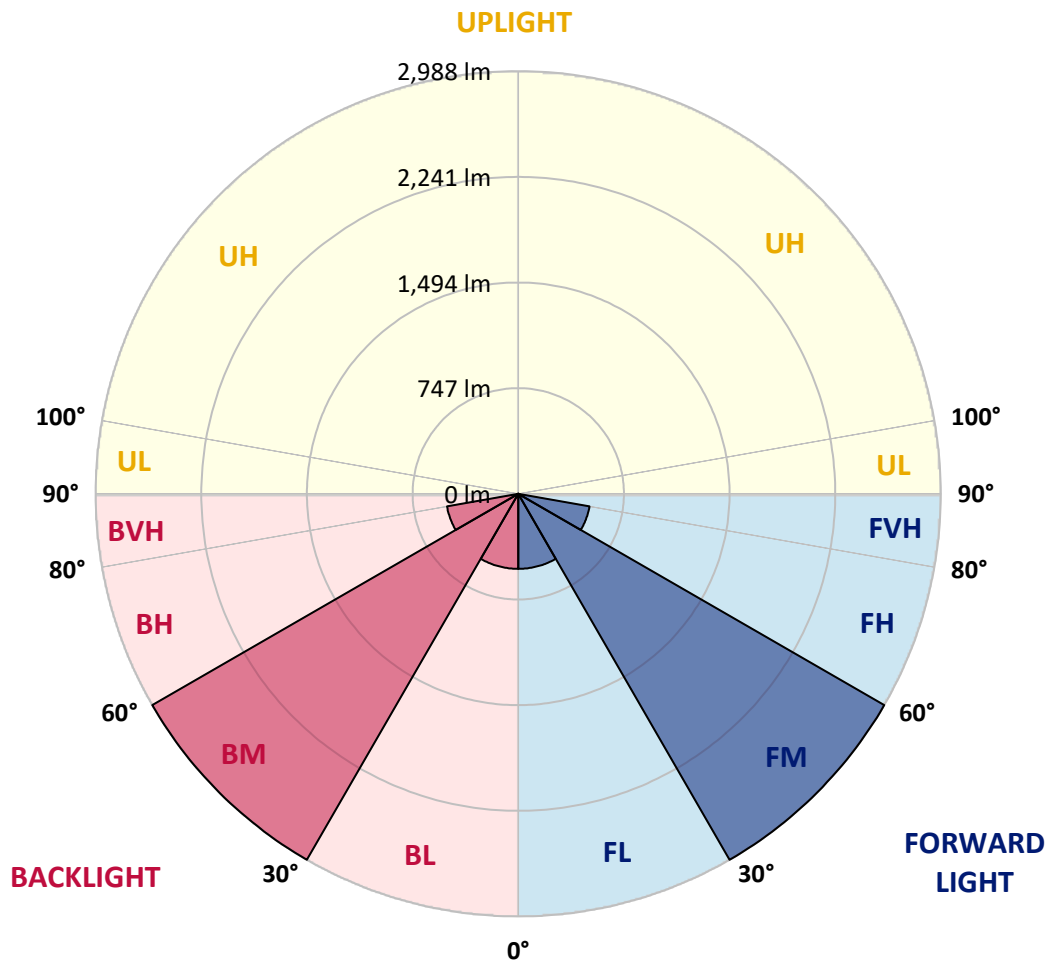
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	530.6	6.6			
FM (30°-60°)	2987.8	37.0			
FH (60°-80°)	511.3	6.3			G0/660
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	530.6	6.6	B2/1000		
BM (30°-60°)	2987.8	37.0	B3/5000		
BH (60°-80°)	511.3	6.3	B2/1000		G0/660
BVH (80°-90°)	4.9	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G0

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6	1251.6
2.5°	1248.2	1255.0	1246.5	1243.2	1241.5	1241.5	1236.4	1236.4	1234.8	1236.4	1229.7
5°	1228.0	1234.8	1234.8	1233.1	1223.0	1221.3	1216.3	1212.9	1214.6	1207.8	1212.9
7.5°	1207.8	1212.9	1206.2	1204.5	1201.1	1194.4	1192.7	1177.6	1179.3	1179.3	1182.6
10°	1204.5	1202.8	1192.7	1184.3	1174.2	1172.5	1167.5	1164.1	1164.1	1162.4	1167.5
12.5°	1204.5	1196.1	1194.4	1175.9	1159.1	1165.8	1152.3	1143.9	1155.7	1159.1	1165.8
15°	1202.8	1211.2	1182.6	1174.2	1162.4	1164.1	1152.3	1143.9	1150.7	1154.0	1159.1
17.5°	1212.9	1207.8	1199.4	1182.6	1177.6	1170.8	1155.7	1149.0	1149.0	1157.4	1159.1
20°	1239.8	1226.4	1209.5	1201.1	1206.2	1197.8	1179.3	1154.0	1160.7	1167.5	1172.5
22.5°	1265.0	1255.0	1243.2	1238.1	1266.7	1253.3	1221.3	1192.7	1182.6	1194.4	1202.8
25°	1313.8	1313.8	1292.0	1298.7	1330.7	1332.3	1295.3	1244.9	1238.1	1243.2	1246.5
27.5°	1413.1	1418.1	1399.6	1406.4	1419.8	1431.6	1399.6	1357.6	1342.4	1340.7	1345.8
30°	1520.7	1530.8	1529.2	1557.8	1596.4	1603.2	1556.1	1487.1	1441.7	1433.3	1440.0
32.5°	1662.1	1667.1	1663.7	1697.4	1801.7	1850.5	1727.7	1630.1	1569.5	1584.7	1569.5
35°	1927.8	1922.8	1885.8	1892.5	1978.3	2013.6	1895.9	1833.6	1805.0	1835.3	1828.6
37.5°	2156.6	2138.1	2107.8	2151.6	2240.7	2272.7	2149.9	2040.6	1988.4	2038.9	2060.7
40°	2350.1	2303.0	2260.9	2304.7	2424.1	2467.8	2287.8	2198.7	2178.5	2215.5	2262.6
42.5°	2513.3	2483.0	2427.5	2430.8	2509.9	2530.1	2385.4	2333.3	2313.1	2372.0	2395.5
45°	2629.3	2600.7	2548.6	2545.2	2605.8	2592.3	2462.8	2427.5	2439.2	2477.9	2489.7
47.5°	2688.2	2703.4	2673.1	2681.5	2713.5	2681.5	2578.9	2578.9	2552.0	2575.5	2563.7
50°	2858.1	2811.0	2849.7	2849.7	2883.4	2886.7	2784.1	2747.1	2674.8	2634.4	2634.4
52.5°	3056.6	3060.0	3075.1	3130.6	3187.8	3236.6	3090.3	2932.1	2811.0	2758.9	2752.1
55°	3219.8	3253.5	3314.0	3418.3	3583.2	3650.5	3398.1	3115.5	2967.5	2886.7	2869.9
56°	3309.0	3277.0	3381.3	3524.3	3739.6	3827.1	3448.6	3152.5	2989.3	2898.5	2896.8
57.5°	3223.2	3258.5	3330.8	3556.3	3820.4	3934.8	3467.1	3135.7	2901.9	2809.3	2817.8
60°	2545.2	2578.9	2676.4	2928.8	3342.6	3431.8	2933.8	2585.6	2377.0	2244.1	2245.8
62.5°	1440.0	1465.2	1540.9	1774.8	2032.1	2117.9	1828.6	1596.4	1451.8	1377.8	1354.2
65°	529.9	519.8	531.6	651.0	809.2	881.5	760.4	642.6	566.9	540.0	529.9
67.5°	198.5	183.4	171.6	183.4	230.5	243.9	223.7	186.7	175.0	180.0	183.4
70°	122.8	116.1	92.5	87.5	85.8	84.1	89.2	94.2	107.7	126.2	129.5
72.5°	85.8	80.7	65.6	62.2	58.9	57.2	65.6	72.3	84.1	97.6	99.3
75°	33.6	35.3	33.6	37.0	38.7	40.4	47.1	52.1	57.2	57.2	55.5
77.5°	6.7	6.7	10.1	13.5	16.8	21.9	32.0	37.0	38.7	37.0	32.0
80°	0.0	0.0	3.4	6.7	13.5	18.5	28.6	32.0	35.3	32.0	25.2
82.5°	0.0	0.0	3.4	8.4	13.5	16.8	26.9	33.6	38.7	35.3	26.9
85°	0.0	0.0	3.4	6.7	10.1	11.8	11.8	8.4	8.4	5.0	3.4
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)