

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: P526977

Luminaire Tested: **GALN-SA2A-727-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526977
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-SA2A-727-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 2700K, 615mA 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: 4012 lumens
Efficiency: N/A
Efficacy: 63.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G0

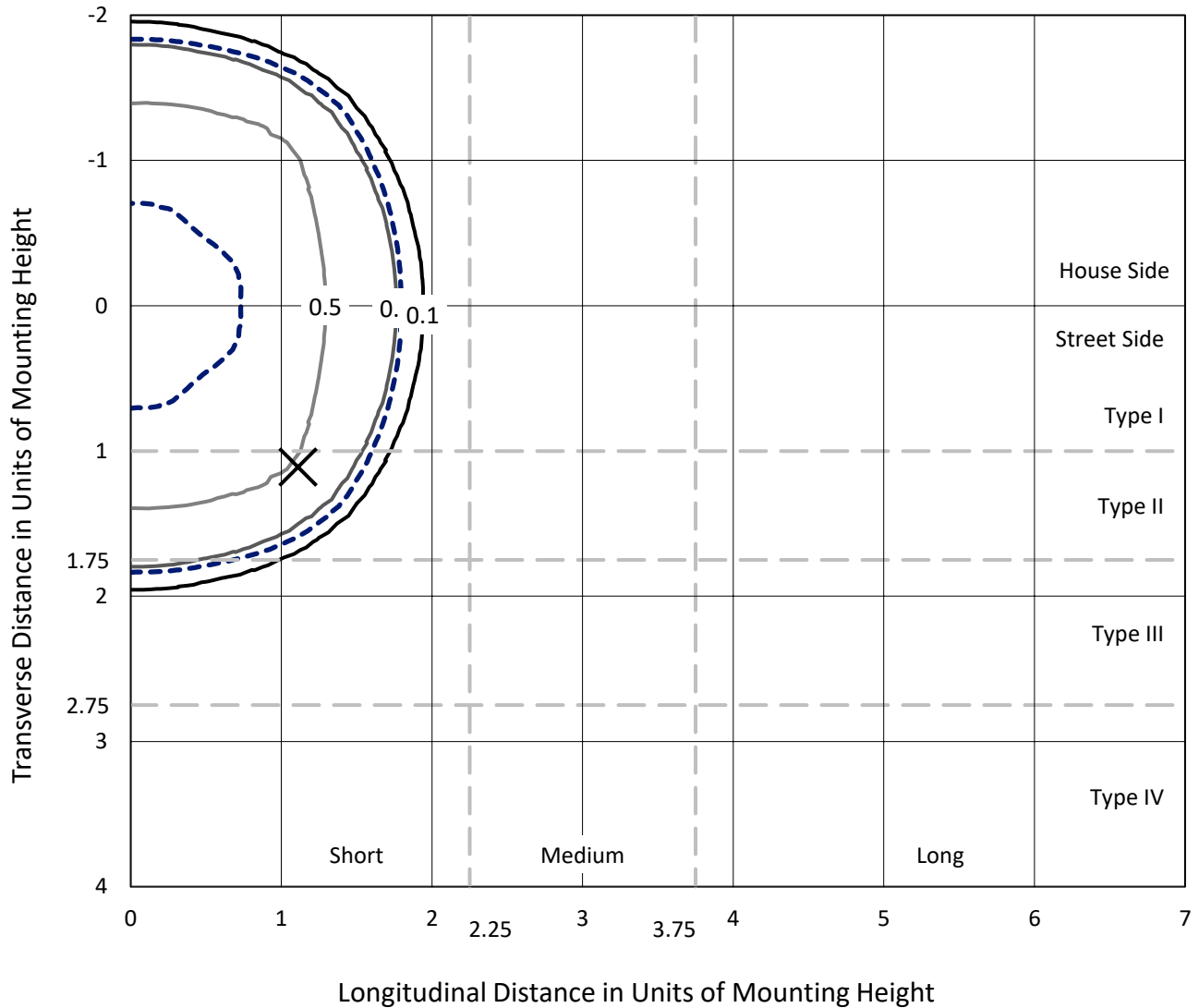
Input Watts (W): 63
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

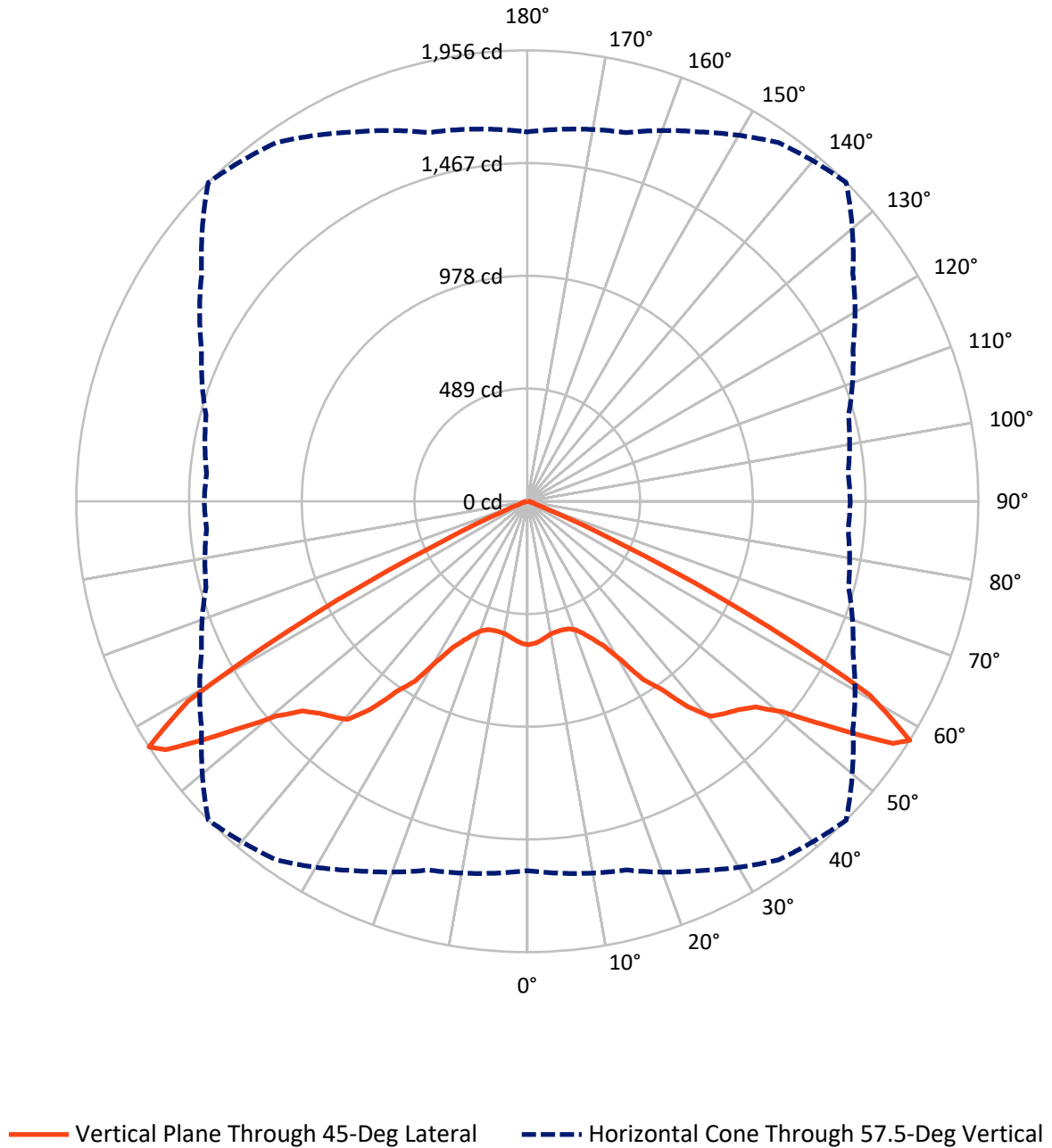
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2006.0	0.0	2006.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2006.0	0.0	2006.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4012.0	0.0	4012.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	57.2	1.4
10°-20°	165.3	4.1
20°-30°	305.1	7.6
30°-40°	600.0	15.0
40°-50°	977.3	24.4
50°-60°	1393.8	34.7
60°-70°	482.6	12.0
70°-80°	25.9	0.6
80°-90°	4.9	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°	4012.0	100.0
0°-180°	4012.0	100.0

Coefficient of Utilization



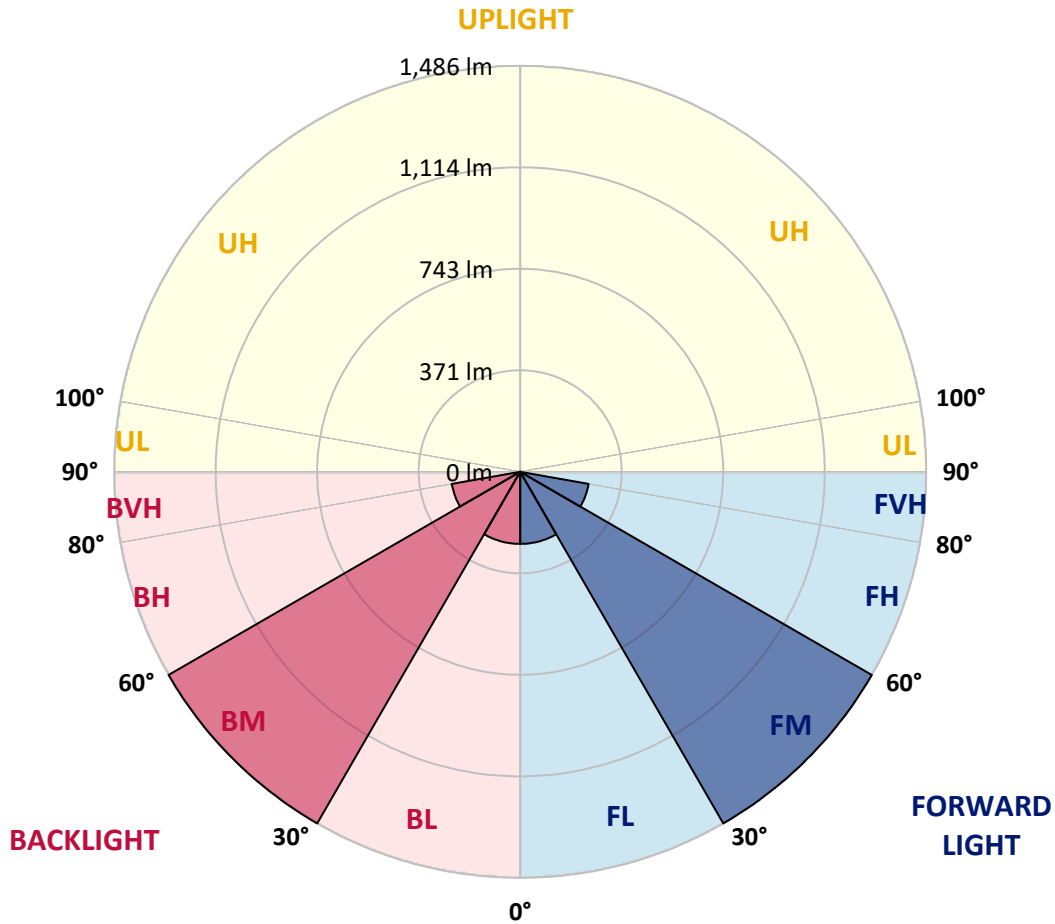
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	263.8	6.6			
FM (30°-60°)	1485.6	37.0			
FH (60°-80°)	254.2	6.3			G0/660
FVH (80°-90°)	2.4	0.1			G0/10
BL (0°-30°)	263.8	6.6	B1/500		
BM (30°-60°)	1485.6	37.0	B2/2500		
BH (60°-80°)	254.2	6.3	B1/500		G0/660
BVH (80°-90°)	2.4	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°	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3	622.3
2.5°	620.6	624.0	619.8	618.1	617.3	617.3	614.8	614.8	613.9	614.8	611.4
5°	610.6	613.9	613.9	613.1	608.1	607.2	604.7	603.1	603.9	600.6	603.1
7.5°	600.6	603.1	599.7	598.9	597.2	593.9	593.0	585.5	586.3	586.3	588.0
10°	598.9	598.0	593.0	588.8	583.8	583.0	580.5	578.8	578.8	578.0	580.5
12.5°	598.9	594.7	593.9	584.7	576.3	579.6	573.0	568.8	574.6	576.3	579.6
15°	598.0	602.2	588.0	583.8	578.0	578.8	573.0	568.8	572.1	573.8	576.3
17.5°	603.1	600.6	596.4	588.0	585.5	582.2	574.6	571.3	571.3	575.5	576.3
20°	616.4	609.8	601.4	597.2	599.7	595.5	586.3	573.8	577.1	580.5	583.0
22.5°	629.0	624.0	618.1	615.6	629.8	623.1	607.2	593.0	588.0	593.9	598.0
25°	653.3	653.3	642.4	645.7	661.6	662.5	644.1	619.0	615.6	618.1	619.8
27.5°	702.6	705.1	695.9	699.3	705.9	711.8	695.9	675.0	667.5	666.6	669.1
30°	756.1	761.2	760.3	774.5	793.8	797.1	773.7	739.4	716.8	712.6	716.0
32.5°	826.4	828.9	827.2	844.0	895.8	920.1	859.0	810.5	780.4	787.9	780.4
35°	958.5	956.0	937.6	941.0	983.6	1001.2	942.7	911.7	897.5	912.5	909.2
37.5°	1072.3	1063.1	1048.0	1069.8	1114.1	1130.0	1069.0	1014.6	988.7	1013.8	1024.6
40°	1168.5	1145.1	1124.2	1145.9	1205.3	1227.0	1137.5	1093.2	1083.2	1101.6	1125.0
42.5°	1249.6	1234.6	1207.0	1208.6	1248.0	1258.0	1186.1	1160.1	1150.1	1179.4	1191.1
45°	1307.3	1293.1	1267.2	1265.5	1295.6	1288.9	1224.5	1207.0	1212.8	1232.1	1237.9
47.5°	1336.6	1344.1	1329.1	1333.3	1349.2	1333.3	1282.2	1282.2	1268.9	1280.6	1274.7
50°	1421.1	1397.7	1416.9	1416.9	1433.6	1435.3	1384.3	1365.9	1329.9	1309.8	1309.8
52.5°	1519.8	1521.5	1529.0	1556.6	1585.0	1609.3	1536.5	1457.9	1397.7	1371.7	1368.4
55°	1600.9	1617.7	1647.8	1699.6	1781.6	1815.1	1689.6	1549.1	1475.5	1435.3	1426.9
56°	1645.3	1629.4	1681.2	1752.3	1859.4	1902.9	1714.7	1567.5	1486.3	1441.2	1440.3
57.5°	1602.6	1620.2	1656.1	1768.2	1899.5	1956.4	1723.9	1559.1	1442.8	1396.8	1401.0
60°	1265.5	1282.2	1330.8	1456.2	1662.0	1706.3	1458.7	1285.6	1181.9	1115.8	1116.6
62.5°	716.0	728.5	766.2	882.4	1010.4	1053.1	909.2	793.8	721.8	685.0	673.3
65°	263.5	258.5	264.3	323.7	402.3	438.3	378.1	319.5	281.9	268.5	263.5
67.5°	98.7	91.2	85.3	91.2	114.6	121.3	111.2	92.8	87.0	89.5	91.2
70°	61.1	57.7	46.0	43.5	42.7	41.8	44.3	46.8	53.5	62.7	64.4
72.5°	42.7	40.1	32.6	30.9	29.3	28.4	32.6	36.0	41.8	48.5	49.3
75°	16.7	17.6	16.7	18.4	19.2	20.1	23.4	25.9	28.4	28.4	27.6
77.5°	3.3	3.3	5.0	6.7	8.4	10.9	15.9	18.4	19.2	18.4	15.9
80°	0.0	0.0	1.7	3.3	6.7	9.2	14.2	15.9	17.6	15.9	12.5
82.5°	0.0	0.0	1.7	4.2	6.7	8.4	13.4	16.7	19.2	17.6	13.4
85°	0.0	0.0	1.7	3.3	5.0	5.9	5.9	4.2	4.2	2.5	1.7
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)