

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: P526144

Luminaire Tested: **GALN-SA1A-750-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526144
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-6)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GALN-SA1A-750-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 5000K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4168 lumens
Efficiency: N/A
Efficacy: 126.3 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

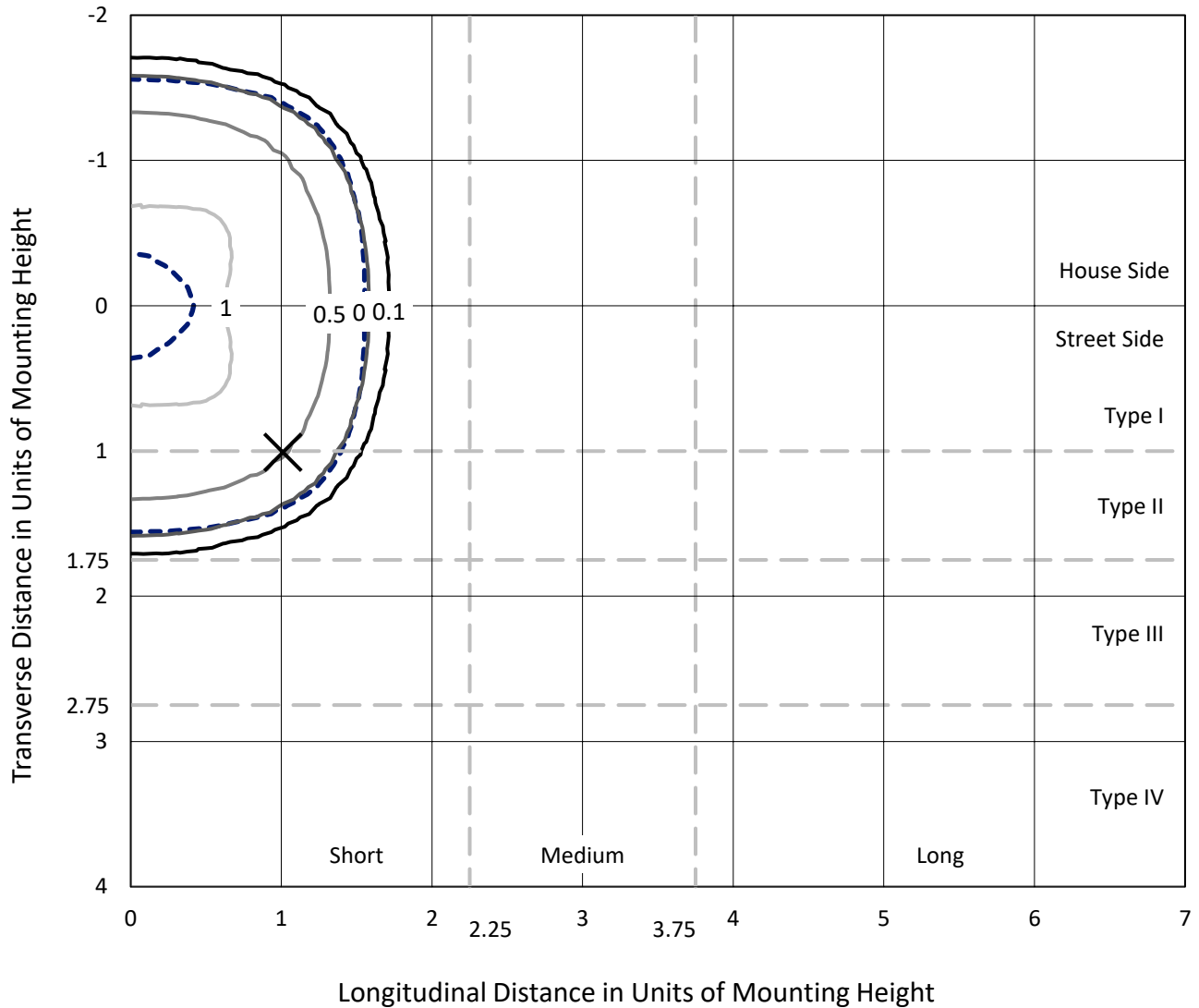
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

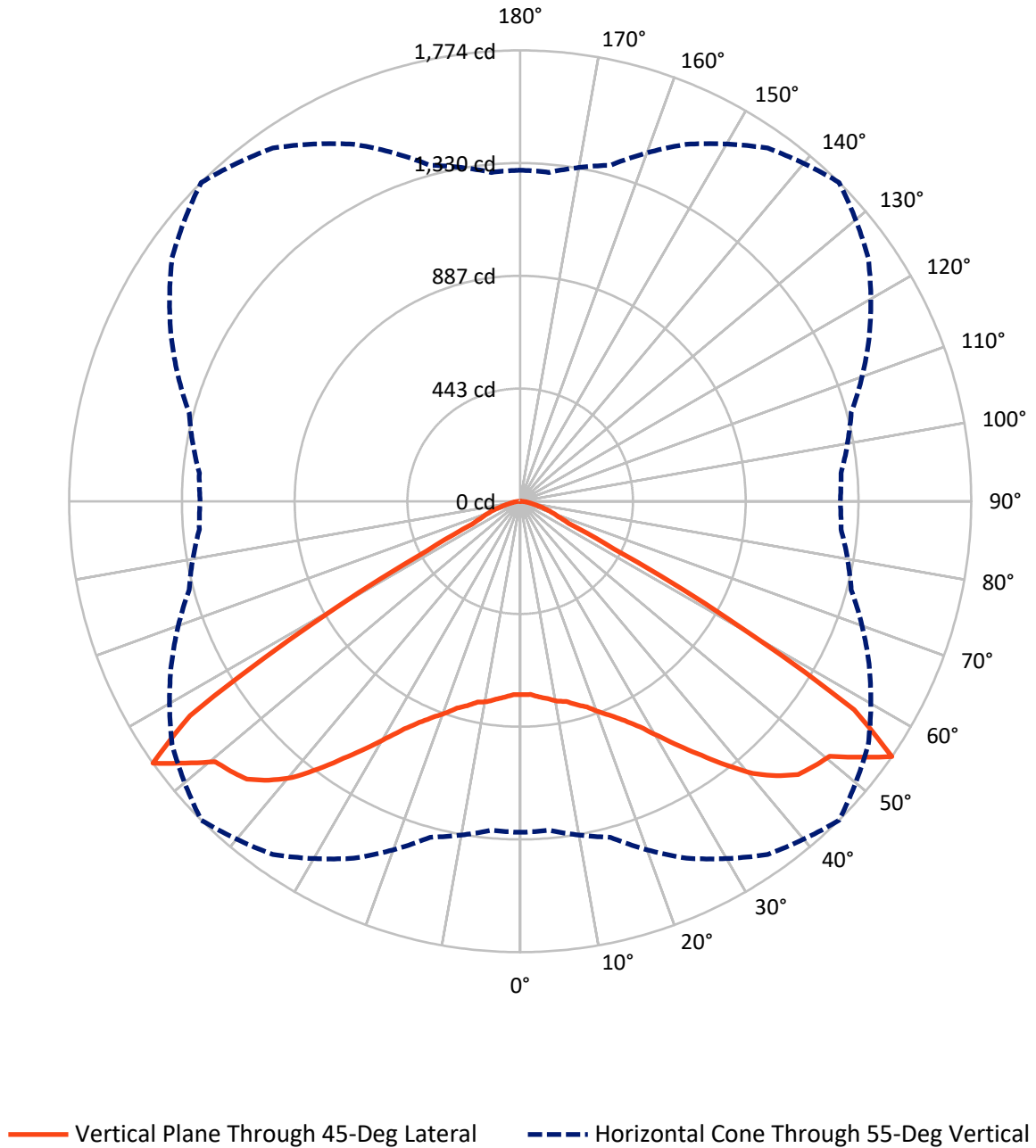
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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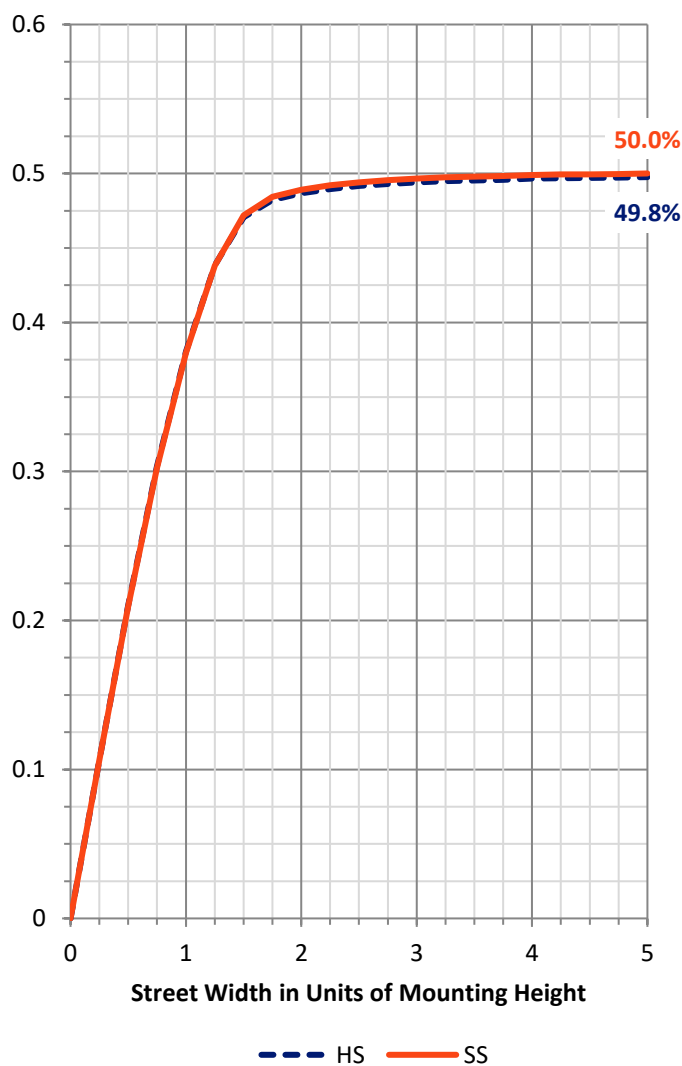
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2084.0	0.0	2084.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2084.0	0.0	2084.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	4168.0	0.0	4168.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	74.3	1.8
10°-20°	235.6	5.7
20°-30°	439.2	10.5
30°-40°	735.4	17.6
40°-50°	1144.4	27.5
50°-60°	1188.2	28.5
60°-70°	252.0	6.0
70°-80°	83.0	2.0
80°-90°	15.8	0.4
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°	4168.0	100.0
0°-180°	4168.0	100.0

Coefficient of Utilization



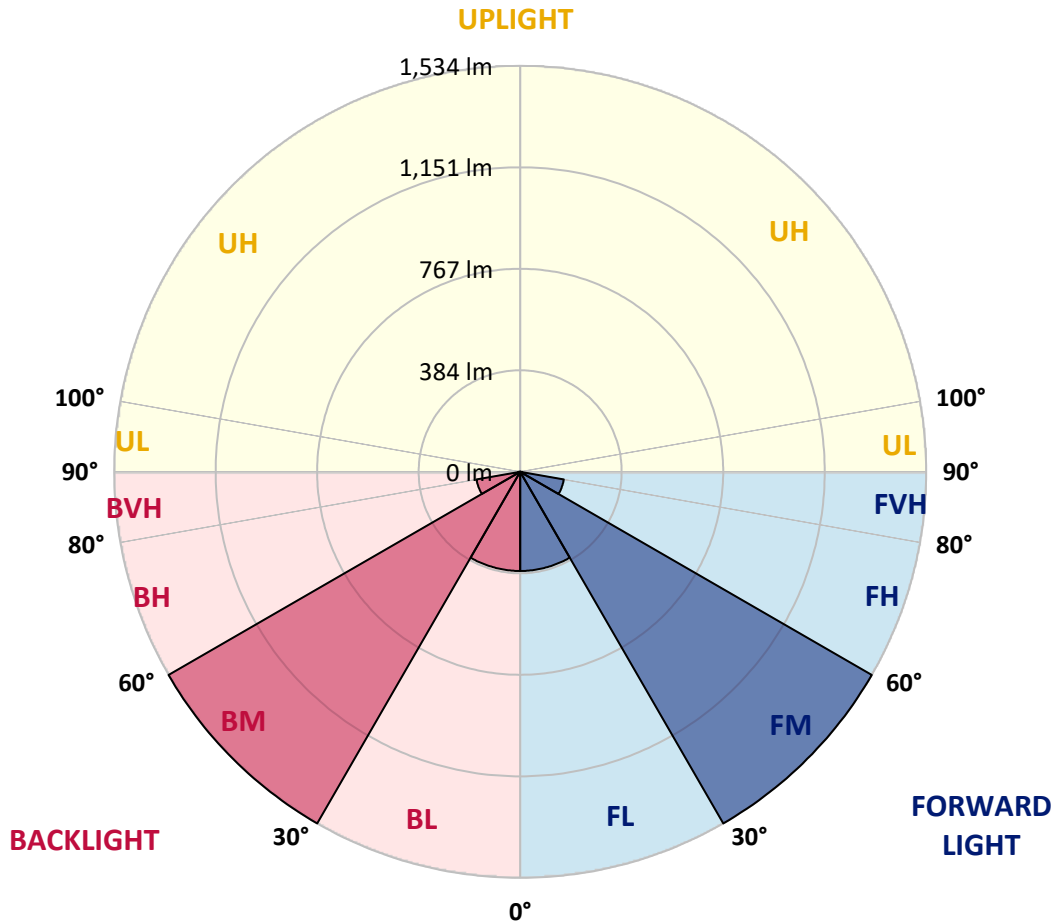
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	374.6	9.0			
FM (30°-60°)	1534.0	36.8			
FH (60°-80°)	167.5	4.0			G0/660
FVH (80°-90°)	7.9	0.2			G0/10
BL (0°-30°)	374.6	9.0	B1/500		
BM (30°-60°)	1534.0	36.8	B2/2500		
BH (60°-80°)	167.5	4.0	B1/500		G0/660
BVH (80°-90°)	7.9	0.2			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°	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0	761.0
2.5°	770.1	766.6	760.5	765.0	768.6	761.0	764.0	765.5	764.5	760.5	762.0
5°	781.2	779.1	774.1	777.6	773.1	773.1	770.1	766.1	772.1	771.1	773.6
7.5°	781.2	778.6	788.7	782.2	784.2	784.2	779.1	775.1	778.1	773.6	771.1
10°	796.8	800.3	795.8	797.3	796.3	799.8	792.2	789.7	787.2	785.7	782.7
12.5°	815.4	812.9	814.4	813.4	816.9	807.9	803.3	797.8	802.3	795.8	800.3
15°	830.5	829.0	830.5	834.5	831.0	830.5	822.5	816.9	809.9	811.4	804.3
17.5°	851.2	849.7	850.2	853.7	853.2	850.7	844.6	834.0	831.5	827.5	823.0
20°	881.9	879.4	878.4	879.9	882.4	884.4	872.3	868.3	859.7	853.2	845.6
22.5°	908.1	907.1	911.1	904.6	910.1	916.1	904.6	902.5	881.4	877.9	869.8
25°	944.3	942.8	940.3	949.9	956.4	955.9	944.8	933.8	917.6	913.6	913.6
27.5°	982.6	974.1	987.2	989.7	1001.3	1004.8	995.2	979.1	964.0	955.4	957.4
30°	1030.5	1022.4	1025.4	1043.6	1058.7	1071.8	1047.6	1023.9	1002.8	987.7	985.1
32.5°	1078.3	1070.3	1079.3	1096.9	1127.2	1146.8	1123.1	1081.8	1057.2	1035.0	1039.5
35°	1117.1	1123.1	1137.7	1164.4	1195.7	1227.4	1189.6	1157.9	1122.6	1098.0	1101.5
37.5°	1179.5	1198.2	1209.8	1240.5	1284.8	1317.5	1278.3	1237.0	1199.2	1167.0	1155.9
40°	1261.1	1273.7	1286.8	1323.1	1375.5	1408.2	1370.9	1317.0	1279.8	1246.5	1245.0
42.5°	1350.8	1362.9	1376.5	1420.8	1452.0	1476.7	1442.5	1413.7	1372.4	1346.3	1344.7
45°	1455.0	1446.5	1461.6	1490.8	1517.0	1533.1	1510.9	1496.8	1467.1	1443.0	1440.4
47.5°	1524.5	1517.0	1544.2	1570.4	1574.4	1556.8	1561.3	1574.4	1543.2	1503.4	1516.0
50°	1564.8	1564.8	1583.0	1607.1	1599.6	1576.9	1612.7	1613.7	1582.5	1547.2	1547.2
52.5°	1494.8	1510.4	1561.8	1640.9	1666.1	1672.6	1664.6	1630.3	1548.7	1476.7	1473.2
55°	1302.4	1298.9	1368.4	1549.7	1696.3	1773.9	1671.1	1513.5	1347.8	1266.7	1258.6
57.5°	847.1	851.2	954.9	1139.8	1404.2	1548.7	1375.5	1153.9	954.9	843.1	853.7
60°	381.3	394.9	457.8	595.8	823.0	940.8	825.0	626.0	480.5	417.0	422.6
62.5°	219.1	221.6	224.1	265.9	350.5	414.5	364.1	281.0	247.8	236.7	236.7
65°	184.8	183.3	183.8	187.4	196.4	209.5	204.0	196.4	197.4	196.4	194.9
67.5°	157.1	159.2	157.6	160.2	160.7	162.7	166.2	169.2	169.7	170.7	169.7
70°	128.9	129.4	130.4	132.5	133.0	134.5	139.5	142.0	143.5	143.5	145.6
72.5°	98.7	98.2	99.2	101.2	103.8	104.3	108.8	112.3	114.3	111.8	112.3
75°	65.0	65.5	67.0	68.5	72.0	75.5	77.1	80.6	81.1	82.1	79.6
77.5°	38.8	39.8	41.3	44.3	47.3	50.4	53.9	56.4	57.4	56.4	53.4
80°	25.2	25.2	27.2	29.7	33.2	35.8	37.8	39.8	41.3	39.8	38.8
82.5°	15.6	15.6	18.1	21.2	23.7	25.2	28.2	30.7	32.2	31.2	29.7
85°	8.1	8.6	10.6	13.1	15.1	16.1	15.6	14.1	12.6	12.1	11.1
87.5°	2.5	2.5	3.0	3.0	2.5	2.5	3.0	2.5	3.0	3.0	3.0
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)