

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: P526092

Luminaire Tested: **GALN-SA1A-735-U-5NQ-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P526092
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-735-U-5NQ-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 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: 3883 lumens
Efficiency: N/A
Efficacy: 117.7 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

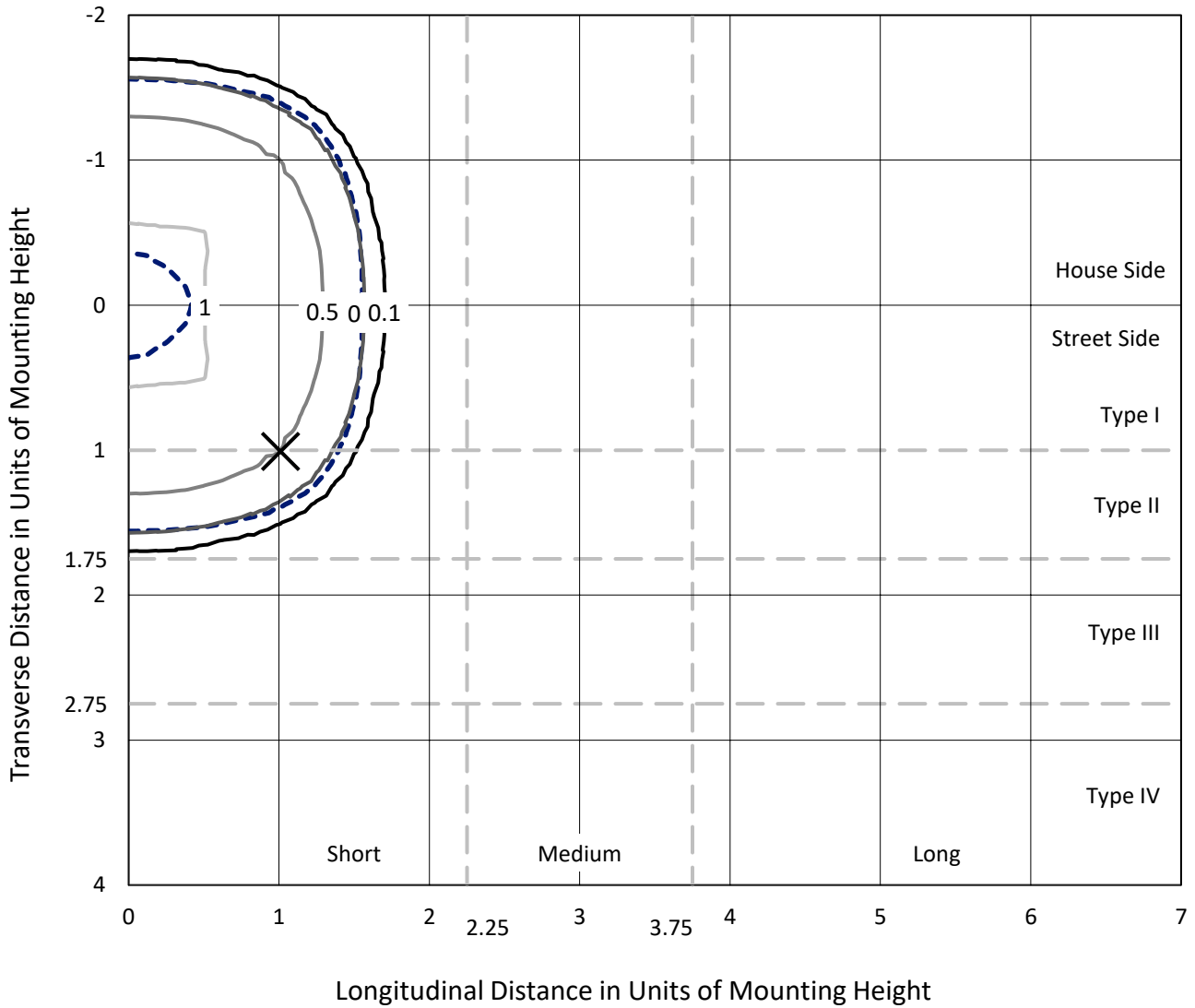
Input Watts (W): 33
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

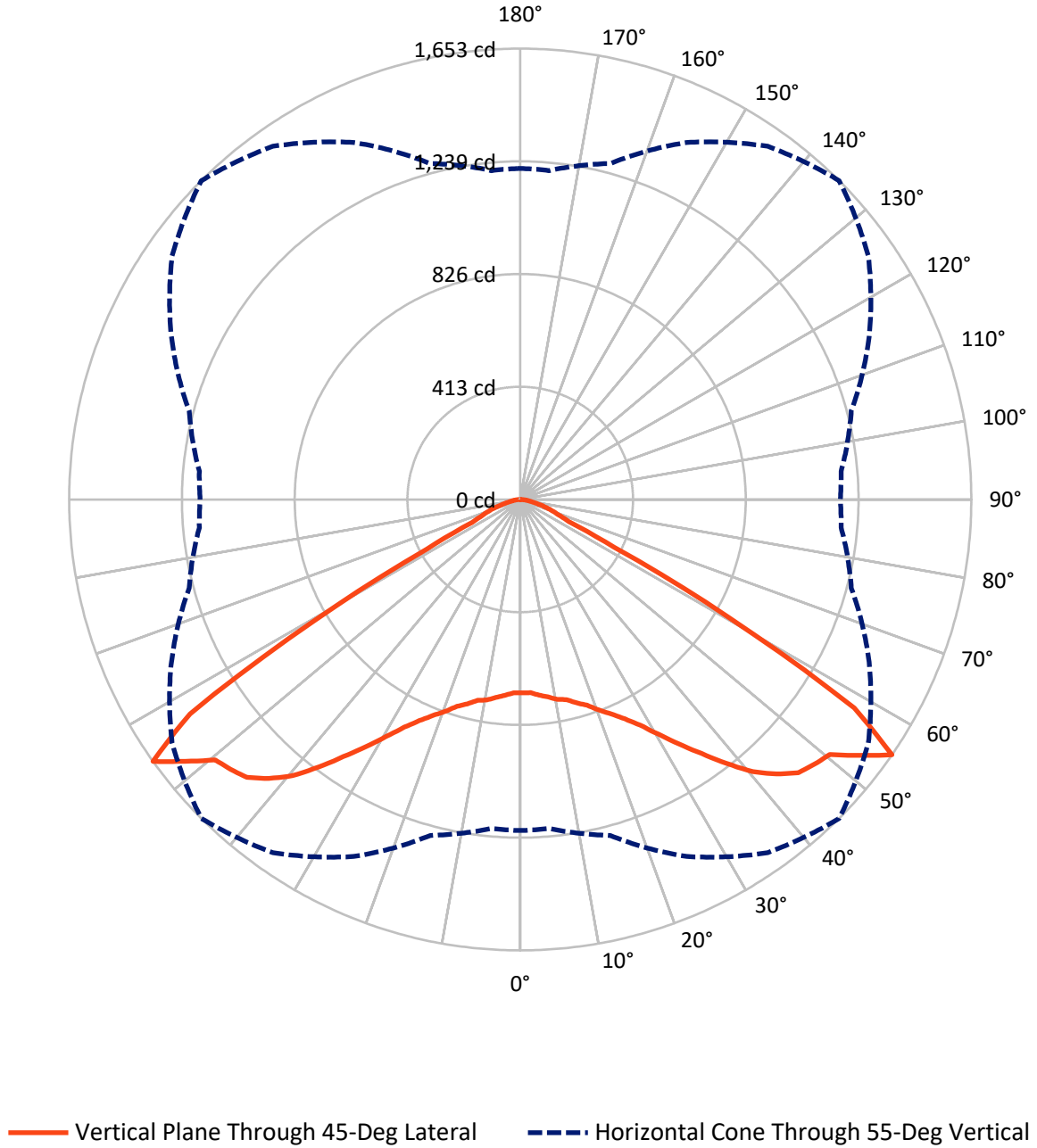
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.1 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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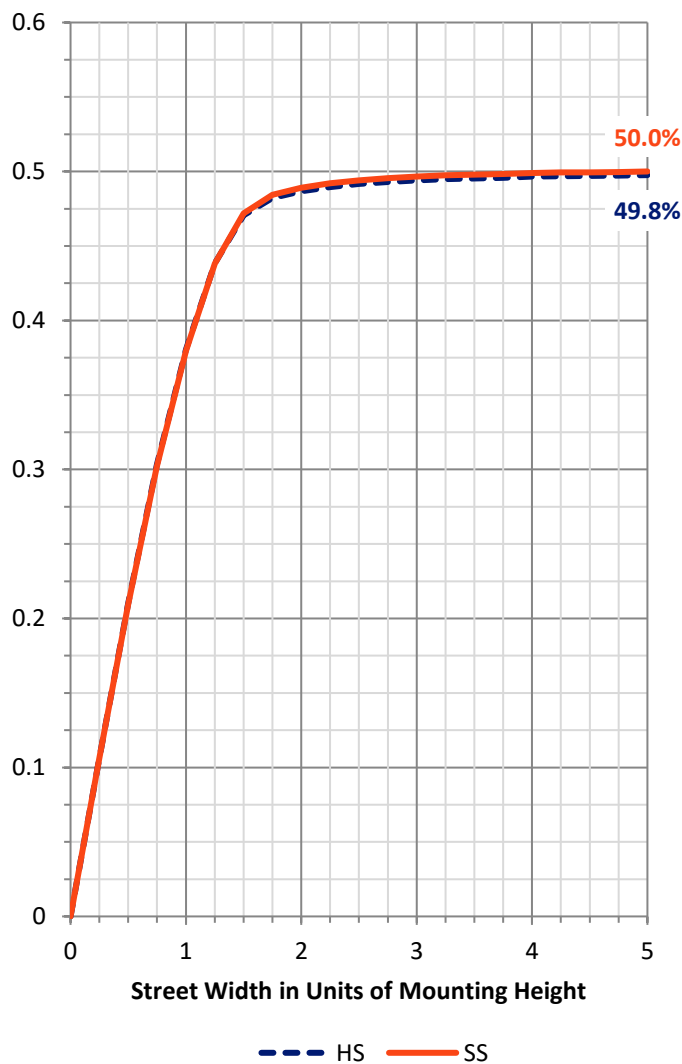
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1941.5	0.0	1941.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	1941.5	0.0	1941.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	3883.0	0.0	3883.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	69.3	1.8
10°-20°	219.5	5.7
20°-30°	409.2	10.5
30°-40°	685.2	17.6
40°-50°	1066.1	27.5
50°-60°	1107.0	28.5
60°-70°	234.8	6.0
70°-80°	77.3	2.0
80°-90°	14.7	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°	3883.0	100.0
0°-180°	3883.0	100.0

Coefficient of Utilization



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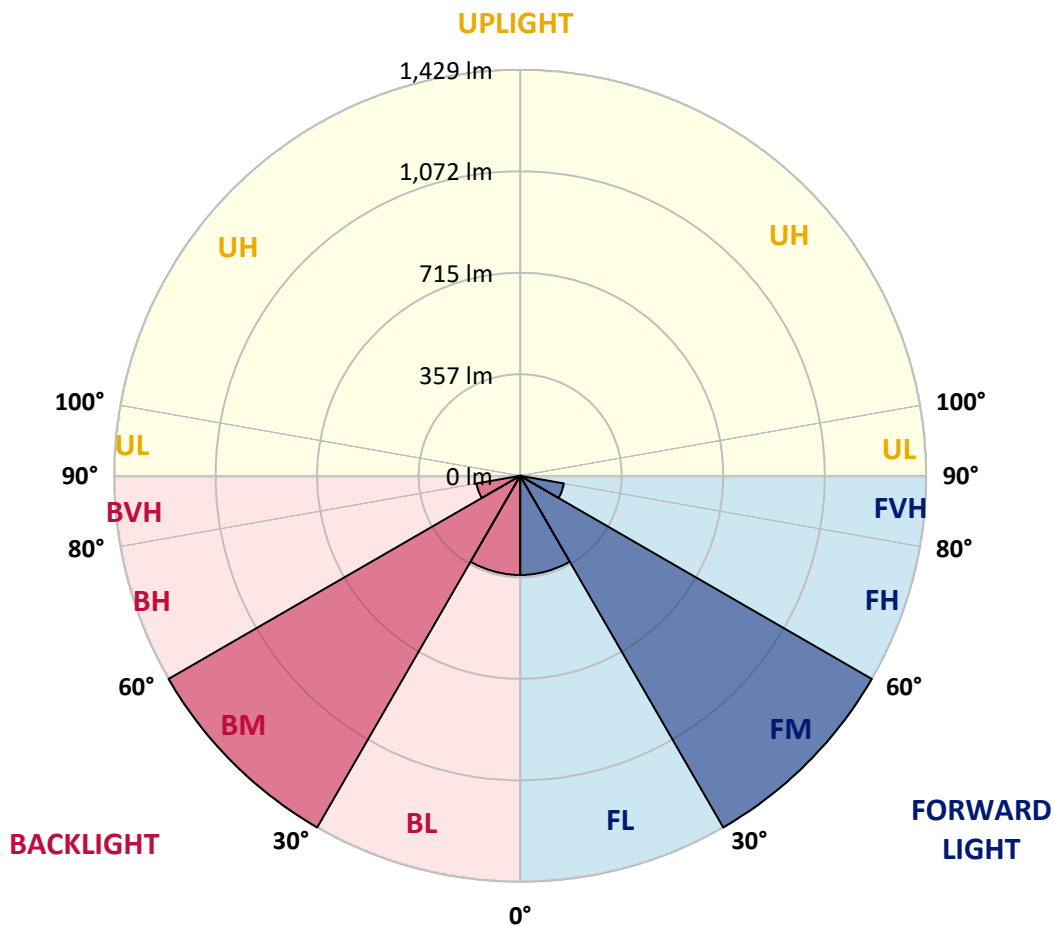
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	349.0	9.0			
FM (30°-60°)	1429.1	36.8			
FH (60°-80°)	156.0	4.0			G0/660
FVH (80°-90°)	7.4	0.2			G0/10
BL (0°-30°)	349.0	9.0	B1/500		
BM (30°-60°)	1429.1	36.8	B2/2500		
BH (60°-80°)	156.0	4.0	B1/500		G0/660
BVH (80°-90°)	7.4	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°	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0	709.0
2.5°	717.4	714.1	708.5	712.7	716.0	709.0	711.8	713.2	712.3	708.5	709.9
5°	727.7	725.9	721.2	724.5	720.2	720.2	717.4	713.7	719.3	718.4	720.7
7.5°	727.7	725.4	734.8	728.7	730.6	730.6	725.9	722.1	724.9	720.7	718.4
10°	742.3	745.6	741.4	742.8	741.8	745.1	738.1	735.7	733.4	732.0	729.2
12.5°	759.7	757.3	758.7	757.8	761.1	752.6	748.4	743.2	747.5	741.4	745.6
15°	773.7	772.3	773.7	777.5	774.2	773.7	766.2	761.1	754.5	755.9	749.3
17.5°	793.0	791.6	792.0	795.3	794.8	792.5	786.9	777.0	774.7	770.9	766.7
20°	821.6	819.2	818.3	819.7	822.1	823.9	812.7	808.9	800.9	794.8	787.8
22.5°	846.0	845.0	848.8	842.7	847.9	853.5	842.7	840.8	821.1	817.8	810.3
25°	879.8	878.4	876.0	884.9	891.0	890.6	880.2	869.9	854.9	851.1	851.1
27.5°	915.4	907.5	919.7	922.0	932.8	936.1	927.2	912.1	898.1	890.1	892.0
30°	960.0	952.5	955.3	972.2	986.3	998.5	976.0	953.9	934.2	920.1	917.8
32.5°	1004.6	997.1	1005.5	1021.9	1050.1	1068.4	1046.3	1007.9	984.9	964.2	968.5
35°	1040.7	1046.3	1059.9	1084.8	1113.9	1143.5	1108.3	1078.7	1045.9	1022.9	1026.2
37.5°	1098.9	1116.3	1127.0	1155.7	1197.0	1227.5	1190.9	1152.4	1117.2	1087.2	1076.8
40°	1174.9	1186.6	1198.8	1232.6	1281.4	1311.9	1277.2	1227.0	1192.3	1161.3	1159.9
42.5°	1258.4	1269.7	1282.4	1323.6	1352.7	1375.7	1343.8	1317.1	1278.6	1254.2	1252.8
45°	1355.6	1347.6	1361.7	1388.9	1413.3	1428.3	1407.6	1394.5	1366.8	1344.3	1341.9
47.5°	1420.3	1413.3	1438.6	1463.0	1466.8	1450.3	1454.6	1466.8	1437.7	1400.6	1412.3
50°	1457.8	1457.8	1474.7	1497.3	1490.2	1469.1	1502.4	1503.4	1474.3	1441.4	1441.4
52.5°	1392.6	1407.2	1455.0	1528.7	1552.2	1558.2	1550.7	1518.8	1442.8	1375.7	1372.4
55°	1213.4	1210.1	1274.8	1443.8	1580.3	1652.6	1556.8	1410.0	1255.6	1180.1	1172.6
57.5°	789.2	793.0	889.6	1061.8	1308.2	1442.8	1281.4	1075.0	889.6	785.5	795.3
60°	355.2	367.9	426.5	555.1	766.7	876.5	768.6	583.2	447.6	388.5	393.7
62.5°	204.1	206.5	208.8	247.7	326.6	386.2	339.2	261.8	230.9	220.5	220.5
65°	172.2	170.8	171.3	174.5	183.0	195.2	190.0	183.0	183.9	183.0	181.6
67.5°	146.4	148.3	146.9	149.2	149.7	151.6	154.8	157.7	158.1	159.1	158.1
70°	120.1	120.6	121.5	123.4	123.9	125.3	130.0	132.3	133.7	133.7	135.6
72.5°	92.0	91.5	92.4	94.3	96.7	97.1	101.3	104.6	106.5	104.2	104.6
75°	60.5	61.0	62.4	63.8	67.1	70.4	71.8	75.1	75.5	76.5	74.1
77.5°	36.1	37.1	38.5	41.3	44.1	46.9	50.2	52.6	53.5	52.6	49.7
80°	23.5	23.5	25.3	27.7	31.0	33.3	35.2	37.1	38.5	37.1	36.1
82.5°	14.5	14.5	16.9	19.7	22.1	23.5	26.3	28.6	30.0	29.1	27.7
85°	7.5	8.0	9.9	12.2	14.1	15.0	14.5	13.1	11.7	11.3	10.3
87.5°	2.3	2.3	2.8	2.8	2.3	2.3	2.8	2.3	2.8	2.8	2.8
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)