

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: P382711

Luminaire Tested: **GLEON-SA1A-735-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382711
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-5)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA1A-735-U-5NQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(1) 70 CRI, 3500K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 4688.5 lumens
Efficiency: N/A
Efficacy: 137.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B2 - U0 - G1

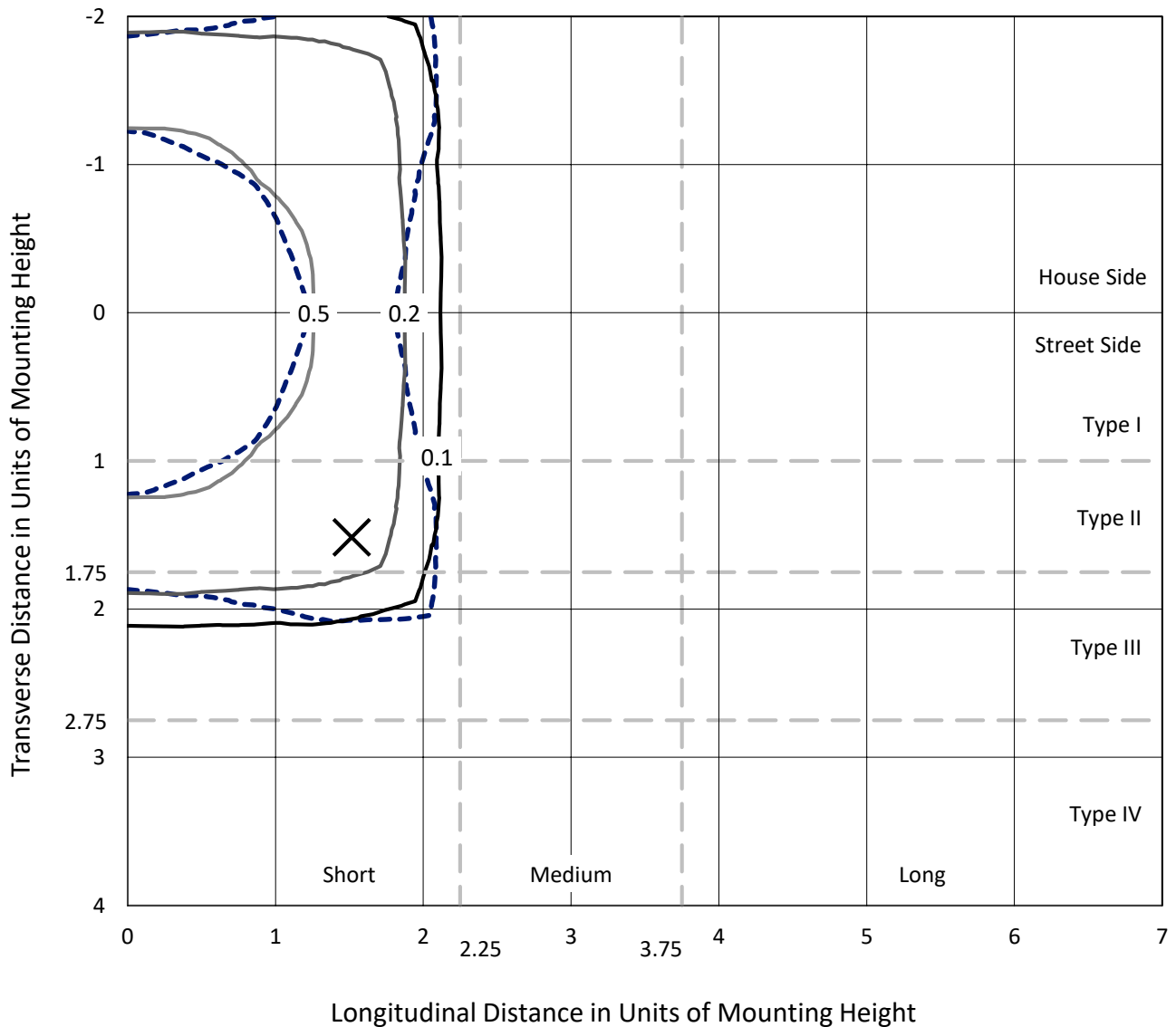
Input Watts (W): 34
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

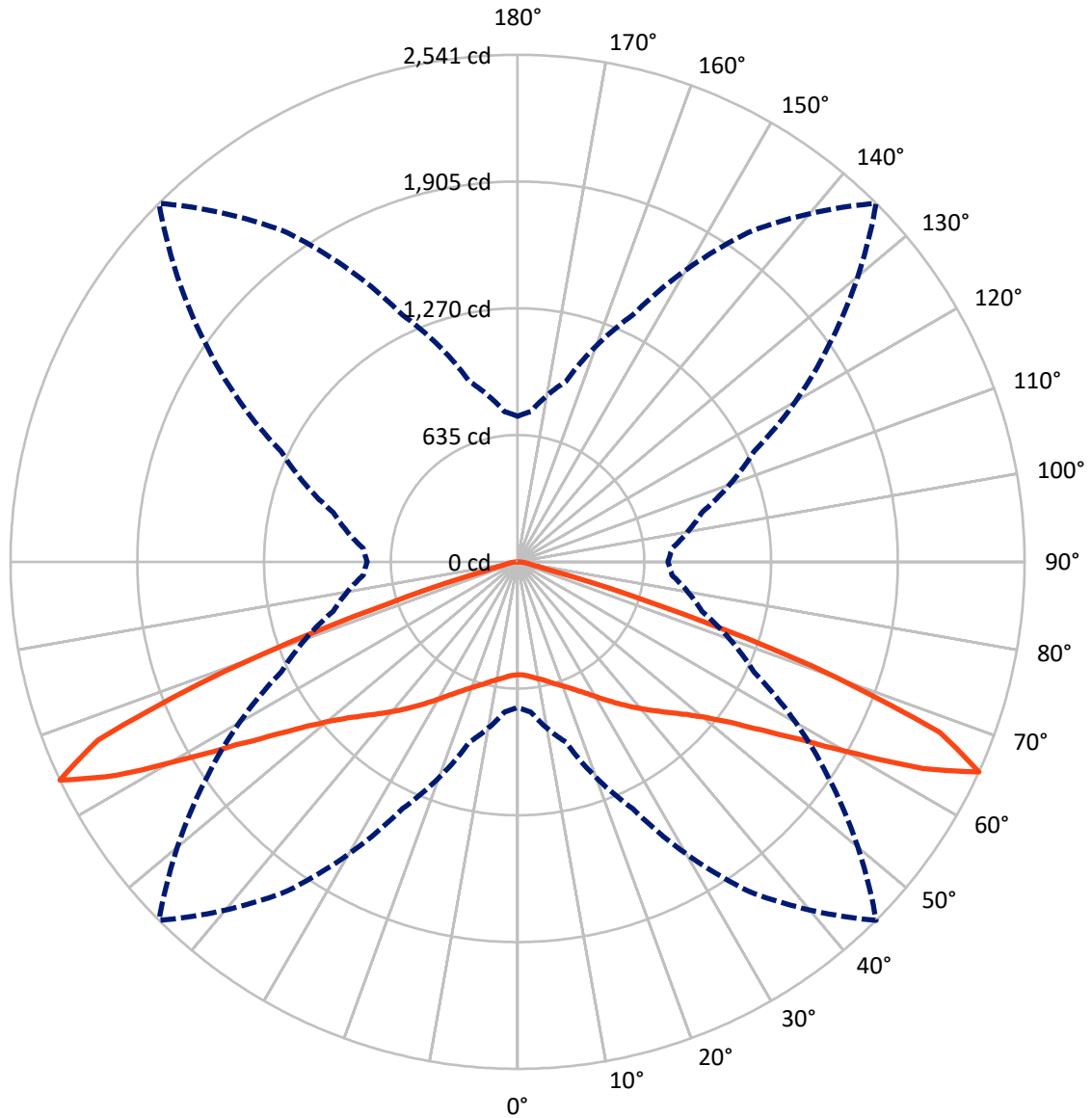
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 0.9 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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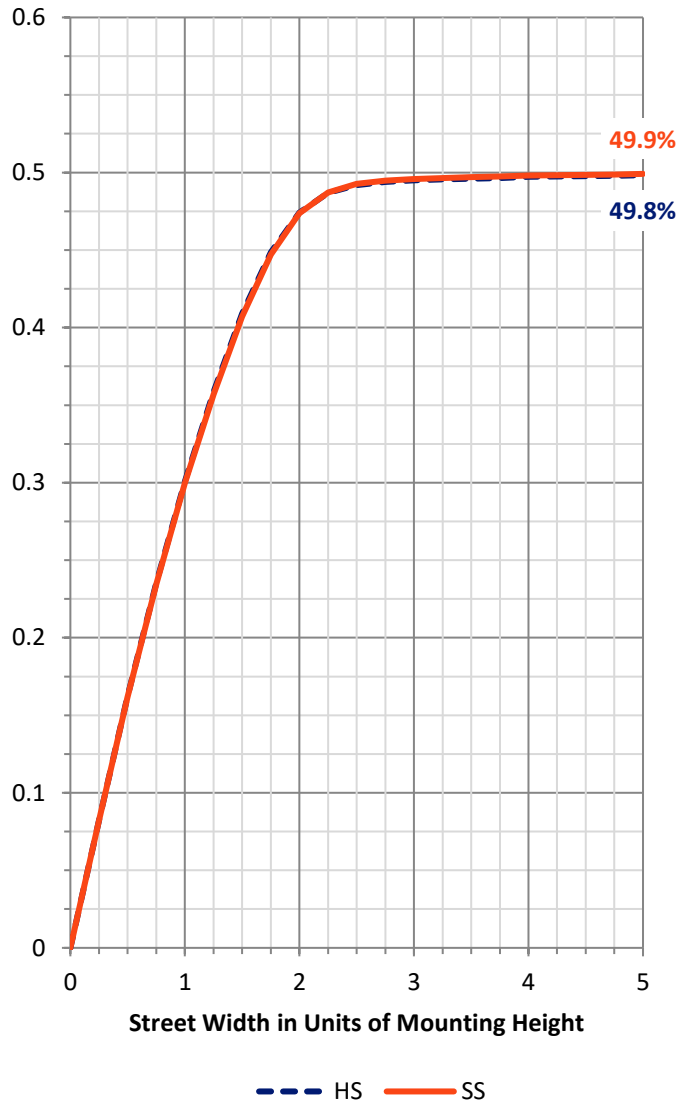
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2344.2	0.0	2344.2
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	2344.2	0.0	2344.2
	% Fixture	50.0	0.0	50.0
Total	Lumens	4688.5	0.0	4688.5
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	55.5	1.2
10°-20°	178.6	3.8
20°-30°	335.0	7.1
30°-40°	554.0	11.8
40°-50°	858.1	18.3
50°-60°	1316.1	28.1
60°-70°	1228.1	26.2
70°-80°	142.9	3.0
80°-90°	20.1	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°	4688.5	100.0
0°-180°	4688.5	100.0

Coefficient of Utilization



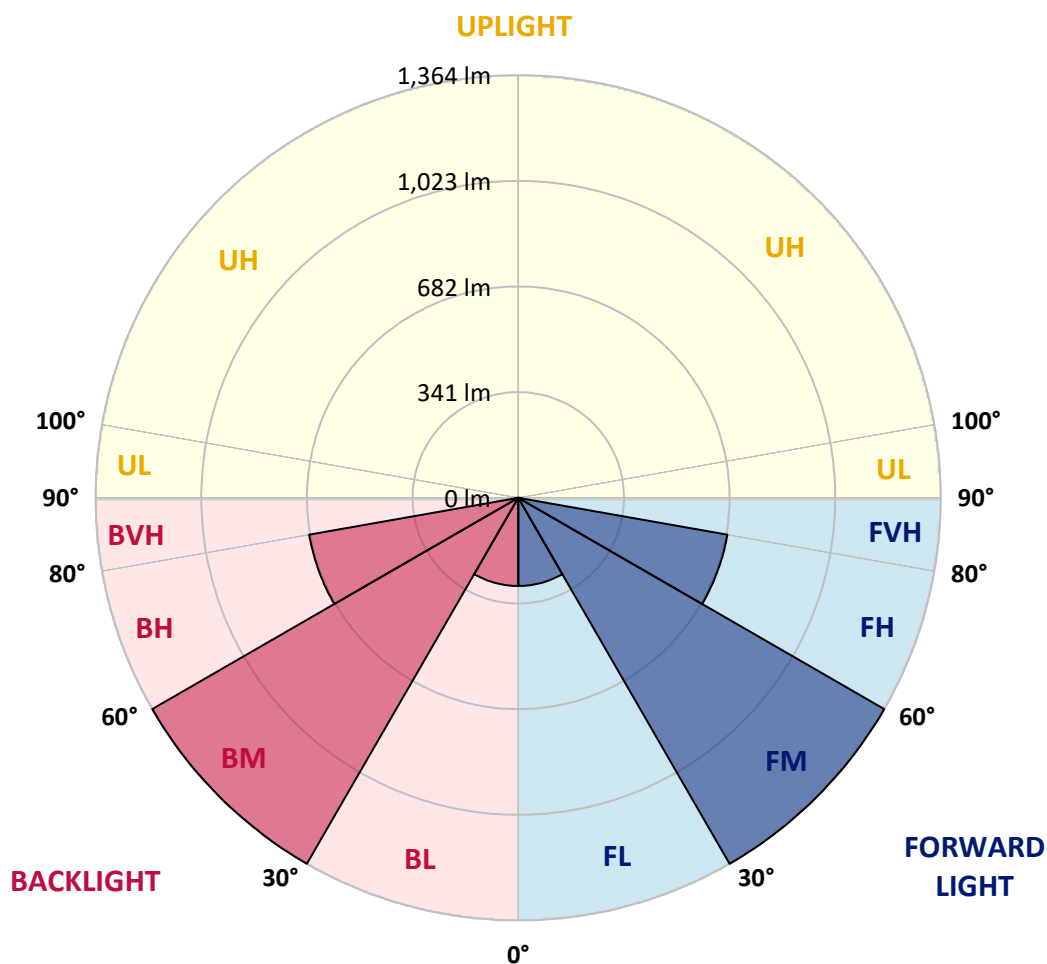
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	284.6	6.1			
FM (30°-60°)	1364.1	29.1			
FH (60°-80°)	685.5	14.6			G1/1800
FVH (80°-90°)	10.0	0.2			G1/100
BL (0°-30°)	284.6	6.1	B1/500		
BM (30°-60°)	1364.1	29.1	B2/2500		
BH (60°-80°)	685.5	14.6	B2/1000		G1/1800
BVH (80°-90°)	10.0	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2	566.2
2.5°	568.1	567.8	568.1	568.2	567.3	567.8	567.6	568.3	568.7	568.3	568.3
5°	574.6	574.1	574.8	575.5	574.3	574.6	574.1	575.0	575.4	574.8	575.2
7.5°	583.6	583.8	584.4	585.8	585.0	585.7	584.7	584.8	584.7	583.8	583.9
10°	593.4	593.6	594.7	596.6	596.8	596.8	596.2	595.7	595.2	594.5	594.7
12.5°	605.2	606.1	606.8	609.1	609.1	610.3	610.1	608.9	607.7	606.8	606.8
15°	621.2	621.2	622.1	624.4	625.5	627.5	627.5	625.8	624.4	623.5	623.1
17.5°	638.1	638.6	639.2	642.0	643.7	646.0	646.3	644.9	644.0	642.8	642.0
20°	657.7	658.5	660.9	662.1	663.6	665.8	666.6	666.2	665.3	664.8	664.8
22.5°	680.6	682.6	684.1	685.7	687.6	689.2	689.9	691.0	690.1	689.6	689.3
25°	708.3	709.7	712.8	715.6	716.8	717.3	718.2	719.8	719.6	718.6	718.6
27.5°	739.7	742.4	746.3	750.3	750.3	748.8	751.9	754.6	753.6	752.1	750.3
30°	777.8	780.4	784.8	790.4	787.6	786.6	790.8	795.6	794.2	791.8	791.5
32.5°	818.9	821.3	827.2	833.3	829.6	828.1	832.6	839.6	837.2	832.5	829.6
35°	863.5	865.8	874.2	881.5	875.5	872.8	876.5	884.1	879.8	871.1	868.9
37.5°	911.9	913.1	924.0	931.5	927.3	920.3	924.9	930.5	926.8	916.2	912.0
40°	962.1	966.7	979.2	988.0	980.6	969.6	977.4	985.1	979.5	966.0	958.8
42.5°	1020.8	1024.2	1041.0	1048.8	1037.0	1021.4	1032.0	1042.6	1037.0	1023.9	1017.7
45°	1081.8	1087.1	1107.1	1115.0	1097.8	1078.1	1091.0	1109.5	1109.0	1090.2	1083.7
47.5°	1148.2	1153.5	1177.5	1187.8	1169.3	1142.8	1161.0	1187.2	1185.3	1164.6	1159.3
50°	1225.0	1230.6	1260.5	1273.4	1256.1	1225.3	1252.7	1275.8	1272.3	1246.8	1247.2
52.5°	1321.3	1321.0	1358.2	1380.6	1362.9	1335.7	1360.9	1383.3	1369.1	1333.8	1332.7
55°	1405.7	1410.8	1456.8	1499.3	1498.3	1487.9	1497.9	1498.9	1458.4	1411.5	1405.7
57.5°	1461.0	1470.9	1535.7	1612.7	1670.3	1684.1	1664.5	1605.1	1510.2	1435.0	1425.9
60°	1427.0	1441.9	1543.9	1700.6	1870.3	1951.7	1841.0	1656.6	1470.0	1365.2	1352.8
62.5°	1196.9	1222.2	1371.4	1658.2	2042.4	2280.3	1968.9	1573.9	1309.7	1165.4	1144.0
65°	729.0	755.6	935.6	1364.7	2014.5	2540.5	1910.5	1306.4	955.9	776.4	753.4
67.5°	242.9	250.7	356.7	754.4	1583.3	2282.7	1585.9	782.0	416.0	275.7	267.7
70°	95.1	95.9	113.2	218.6	747.7	1567.9	825.0	222.5	118.3	93.5	95.6
72.5°	69.9	70.1	75.0	91.4	194.9	690.7	201.9	91.9	73.0	65.5	65.5
75°	56.2	56.2	59.6	66.6	87.3	158.5	88.6	65.9	57.1	52.3	51.7
77.5°	44.3	45.3	48.0	52.4	59.2	76.3	61.3	52.2	46.1	41.5	40.6
80°	33.0	33.9	38.3	40.4	42.5	52.9	45.3	40.8	36.4	31.1	30.2
82.5°	21.6	22.5	28.0	29.3	28.8	34.6	30.5	30.0	26.7	20.1	19.1
85°	14.2	14.4	18.6	19.5	17.9	15.7	19.5	20.6	18.6	13.0	12.6
87.5°	6.7	6.7	9.5	8.8	8.1	6.5	8.8	10.4	10.6	6.3	6.2
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)