

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: P382936

Luminaire Tested: **GLEON-SA3A-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P382936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-2)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA3A-735-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3500K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 13959.2 lumens
Efficiency: N/A
Efficacy: 145.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

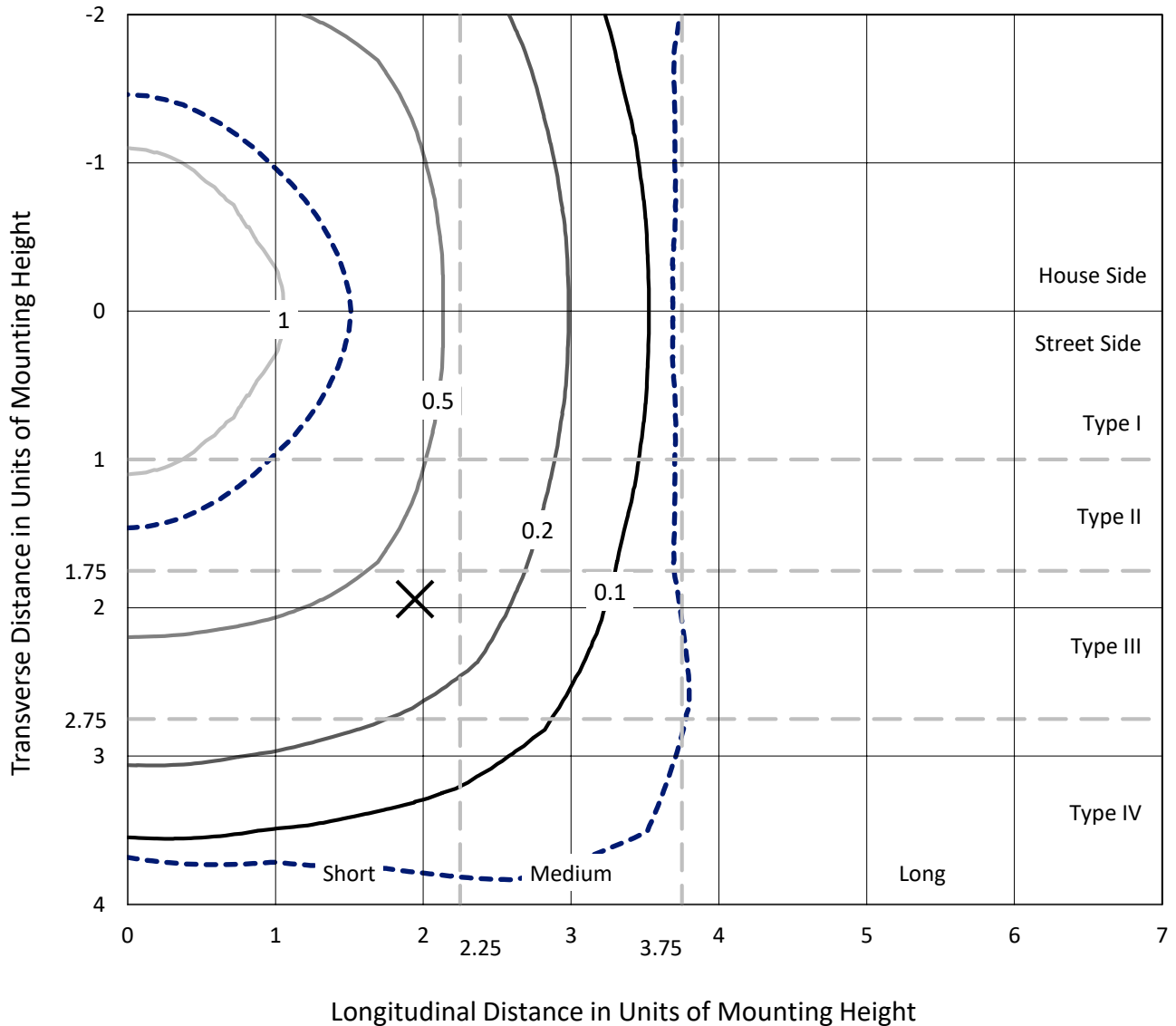
Input Watts (W): 96
Input Voltage (V): NR
Input Current (A_{in}): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

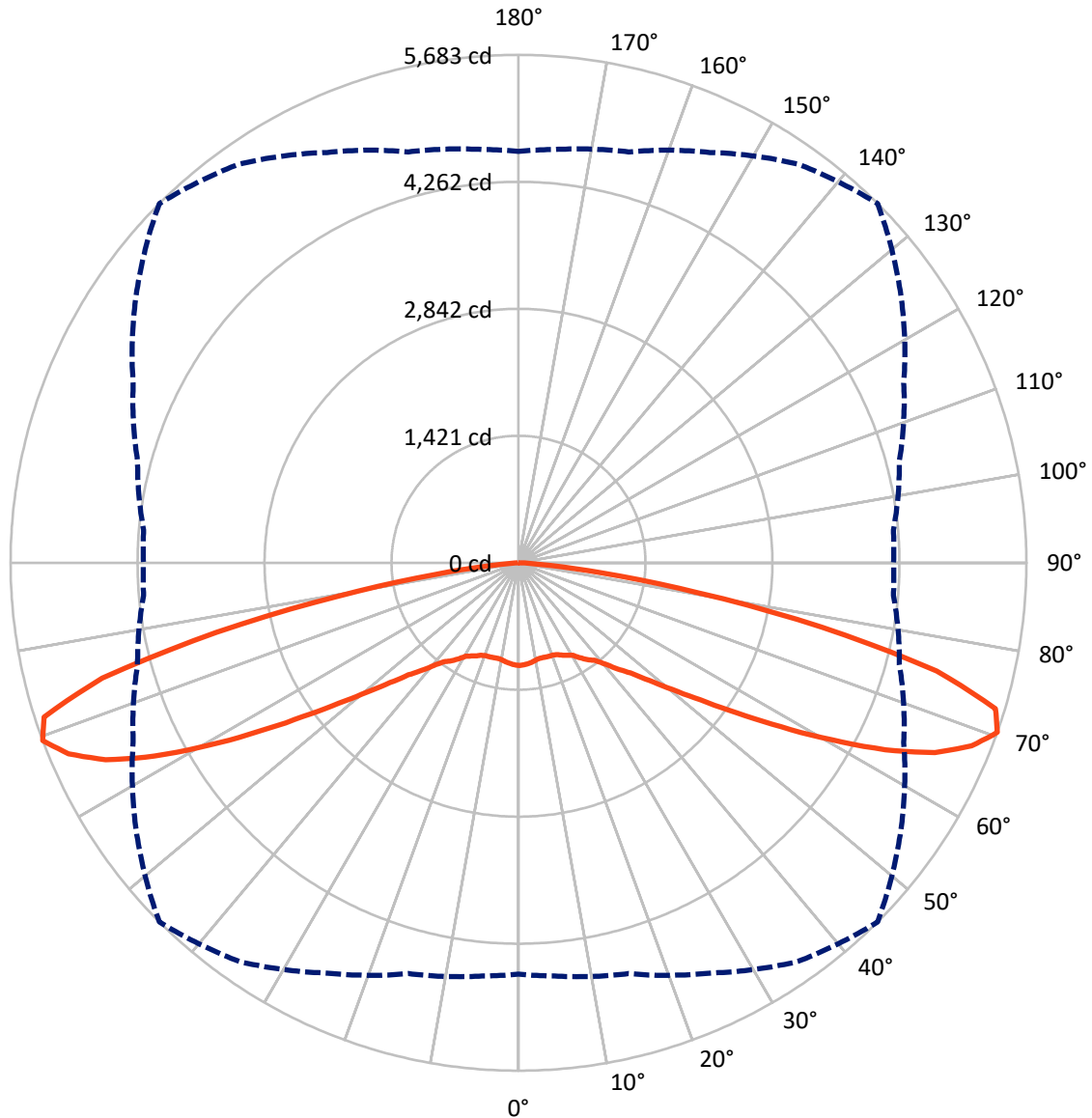
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.8 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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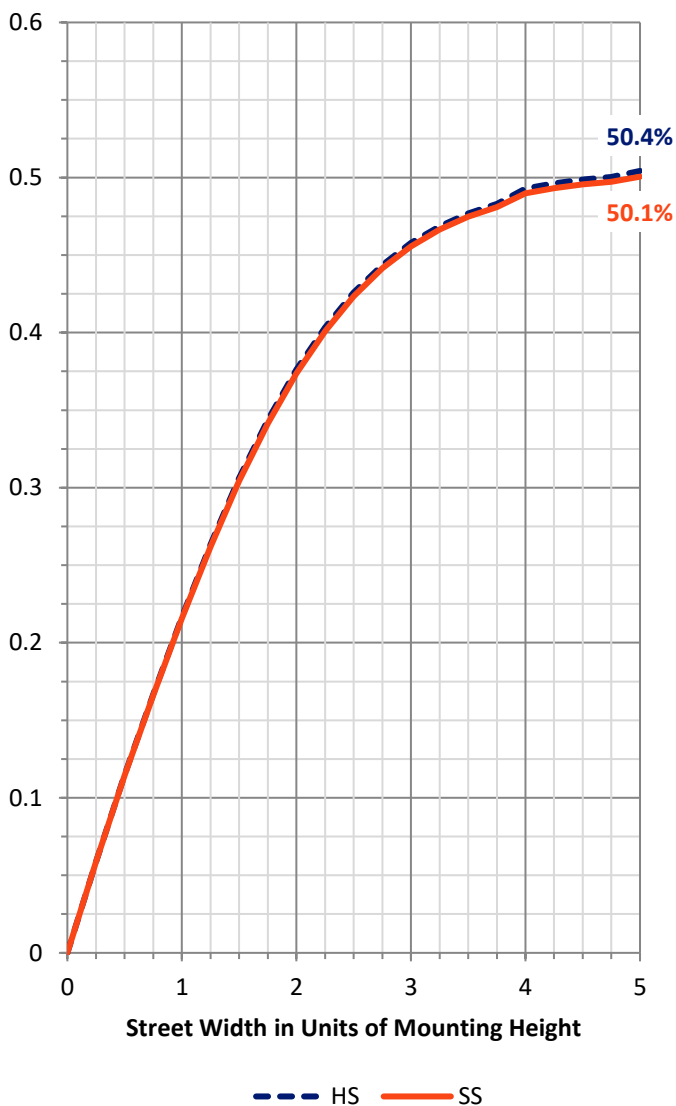
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6979.6	0.0	6979.6
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	6979.6	0.0	6979.6
	% Fixture	50.0	0.0	50.0
Total	Lumens	13959.2	0.0	13959.2
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	107.2	0.8
10°-20°	313.2	2.2
20°-30°	534.0	3.8
30°-40°	834.4	6.0
40°-50°	1414.1	10.1
50°-60°	2578.8	18.5
60°-70°	4439.6	31.8
70°-80°	3479.9	24.9
80°-90°	258.0	1.8
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°	13959.2	100.0
0°-180°	13959.2	100.0

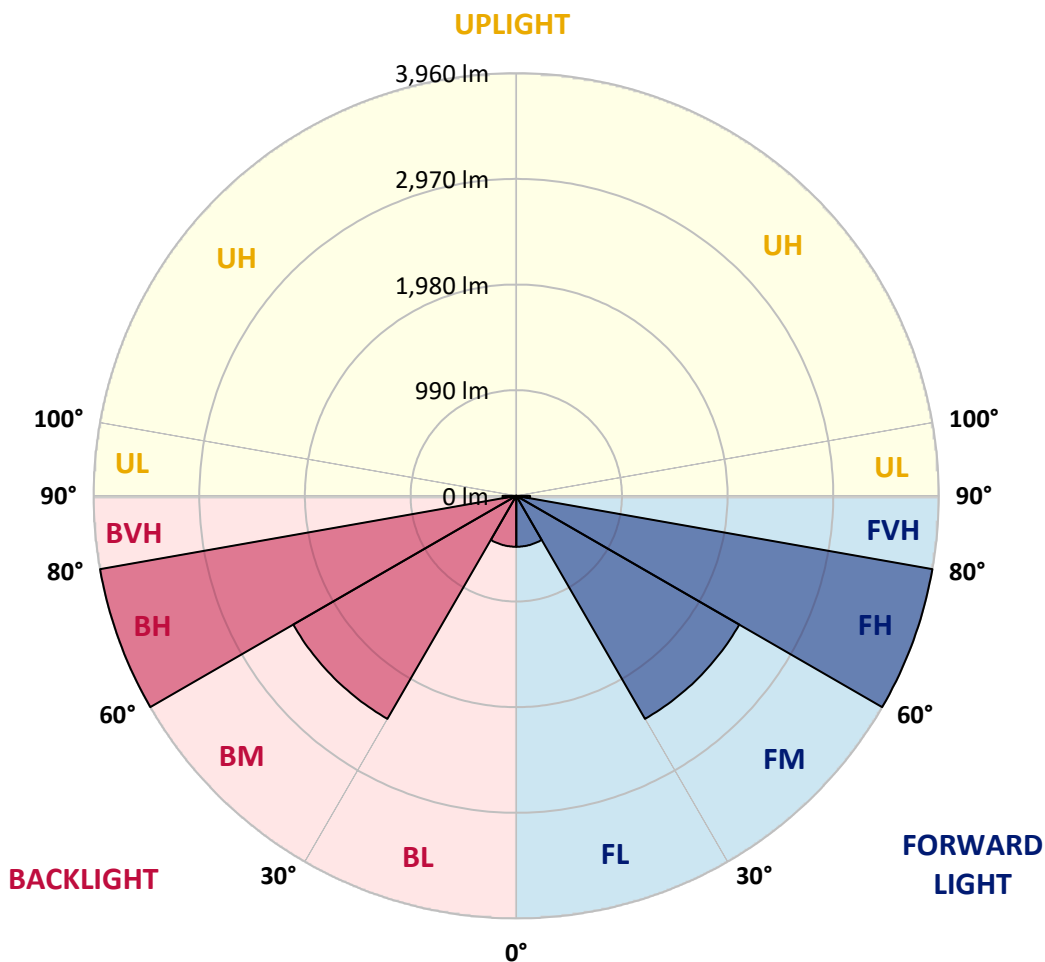


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	477.2	3.4			
FM (30°-60°)	2413.7	17.3			
FH (60°-80°)	3959.7	28.4			G2/5000
FVH (80°-90°)	129.0	0.9			G2/225
BL (0°-30°)	477.2	3.4	B1/500		
BM (30°-60°)	2413.7	17.3	B2/2500		
BH (60°-80°)	3959.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	129.0	0.9			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9	1148.9
2.5°	1143.8	1145.2	1143.8	1144.7	1142.4	1143.3	1143.3	1143.3	1142.8	1143.3	1142.4
5°	1133.6	1134.5	1132.7	1133.6	1132.2	1133.6	1134.1	1133.6	1132.7	1133.1	1131.3
7.5°	1118.4	1119.3	1118.0	1119.3	1117.5	1119.7	1119.3	1118.0	1116.6	1116.6	1114.7
10°	1110.0	1110.5	1106.9	1105.5	1101.3	1102.2	1103.6	1105.0	1106.4	1109.1	1108.6
12.5°	1110.5	1110.5	1105.0	1098.9	1093.0	1094.4	1096.7	1101.7	1107.3	1112.4	1112.8
15°	1115.2	1114.7	1106.4	1096.7	1092.5	1096.7	1098.0	1101.3	1110.0	1118.8	1119.3
17.5°	1118.4	1118.4	1105.5	1094.4	1093.9	1100.3	1099.9	1101.3	1111.0	1123.9	1124.4
20°	1124.4	1124.4	1107.8	1095.8	1095.8	1102.7	1103.1	1105.5	1115.2	1129.4	1131.7
22.5°	1137.8	1138.3	1120.7	1111.0	1111.9	1116.1	1117.5	1121.1	1129.9	1145.6	1148.4
25°	1156.7	1157.6	1139.7	1134.1	1137.3	1145.2	1144.2	1147.0	1156.7	1172.0	1174.7
27.5°	1183.0	1180.7	1164.1	1161.7	1165.0	1170.6	1170.1	1170.6	1178.4	1192.3	1195.5
30°	1217.2	1216.2	1204.2	1205.6	1204.2	1202.4	1202.9	1206.5	1210.7	1221.8	1225.1
32.5°	1250.4	1251.3	1244.0	1250.9	1261.0	1268.0	1257.4	1247.2	1242.6	1248.6	1251.3
35°	1310.5	1312.7	1301.2	1296.6	1310.5	1330.8	1300.7	1284.1	1293.4	1301.2	1303.5
37.5°	1412.5	1413.9	1394.5	1376.0	1365.8	1385.3	1355.2	1356.6	1388.9	1403.7	1403.3
40°	1528.9	1529.3	1516.4	1500.3	1482.7	1487.3	1475.3	1479.0	1500.3	1513.7	1517.3
42.5°	1667.4	1666.0	1645.7	1622.6	1617.5	1622.1	1601.8	1599.1	1623.5	1647.5	1648.0
45°	1847.0	1843.8	1817.4	1792.1	1767.6	1757.5	1752.3	1765.7	1799.5	1821.6	1822.1
47.5°	2040.5	2031.7	2017.8	1997.5	1976.3	1966.1	1957.8	1964.3	1988.8	1997.5	1998.4
50°	2239.5	2241.4	2244.1	2236.3	2228.4	2225.2	2203.5	2191.0	2198.5	2182.2	2179.9
52.5°	2475.5	2479.1	2506.0	2528.6	2542.0	2548.9	2507.8	2464.9	2440.8	2409.4	2400.2
55°	2753.9	2759.9	2799.2	2862.0	2926.6	2960.7	2886.4	2806.1	2731.8	2673.1	2654.2
57.5°	3064.2	3074.9	3128.9	3249.3	3381.9	3462.7	3337.1	3191.2	3047.6	2963.1	2948.3
60°	3428.1	3438.2	3513.1	3685.8	3900.5	4021.9	3831.6	3592.9	3414.2	3333.4	3306.2
62.5°	3861.2	3862.1	3954.0	4155.8	4439.3	4608.3	4350.7	4031.6	3847.4	3749.9	3723.6
65°	4327.1	4329.5	4424.6	4642.5	4935.7	5119.5	4828.6	4496.1	4270.8	4127.1	4106.8
67.5°	4656.3	4666.0	4766.3	5028.5	5302.8	5468.6	5167.5	4791.6	4531.2	4359.9	4342.8
70°	4603.7	4641.5	4759.3	5065.5	5446.9	5683.3	5222.4	4756.6	4413.0	4210.8	4196.4
72.5°	4015.0	4087.4	4244.4	4646.2	5256.2	5581.7	4922.8	4260.2	3871.3	3699.1	3673.3
75°	2734.1	2851.8	3088.6	3668.2	4490.5	4832.8	4144.3	3396.7	3031.0	2792.7	2775.2
77.5°	1219.0	1245.9	1546.0	2213.2	3098.9	3470.6	3011.1	2221.9	1667.8	1330.3	1259.2
80°	339.8	344.0	459.0	824.2	1551.0	2039.2	1665.0	865.8	486.7	343.1	323.2
82.5°	108.1	117.3	143.2	213.8	521.3	930.4	535.2	230.8	164.4	131.2	118.2
85°	52.6	52.2	72.5	86.8	133.0	206.0	141.8	107.1	93.7	62.3	56.4
87.5°	22.2	22.6	33.7	30.5	38.8	33.3	45.7	48.1	50.3	27.7	24.0
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)