

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: P316268

Luminaire Tested: **GLEON-SA4A-827-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P316268
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-SA4A-827-U-5WQ
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 2700K, 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: 14556 lumens
Efficiency: N/A
Efficacy: 112.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

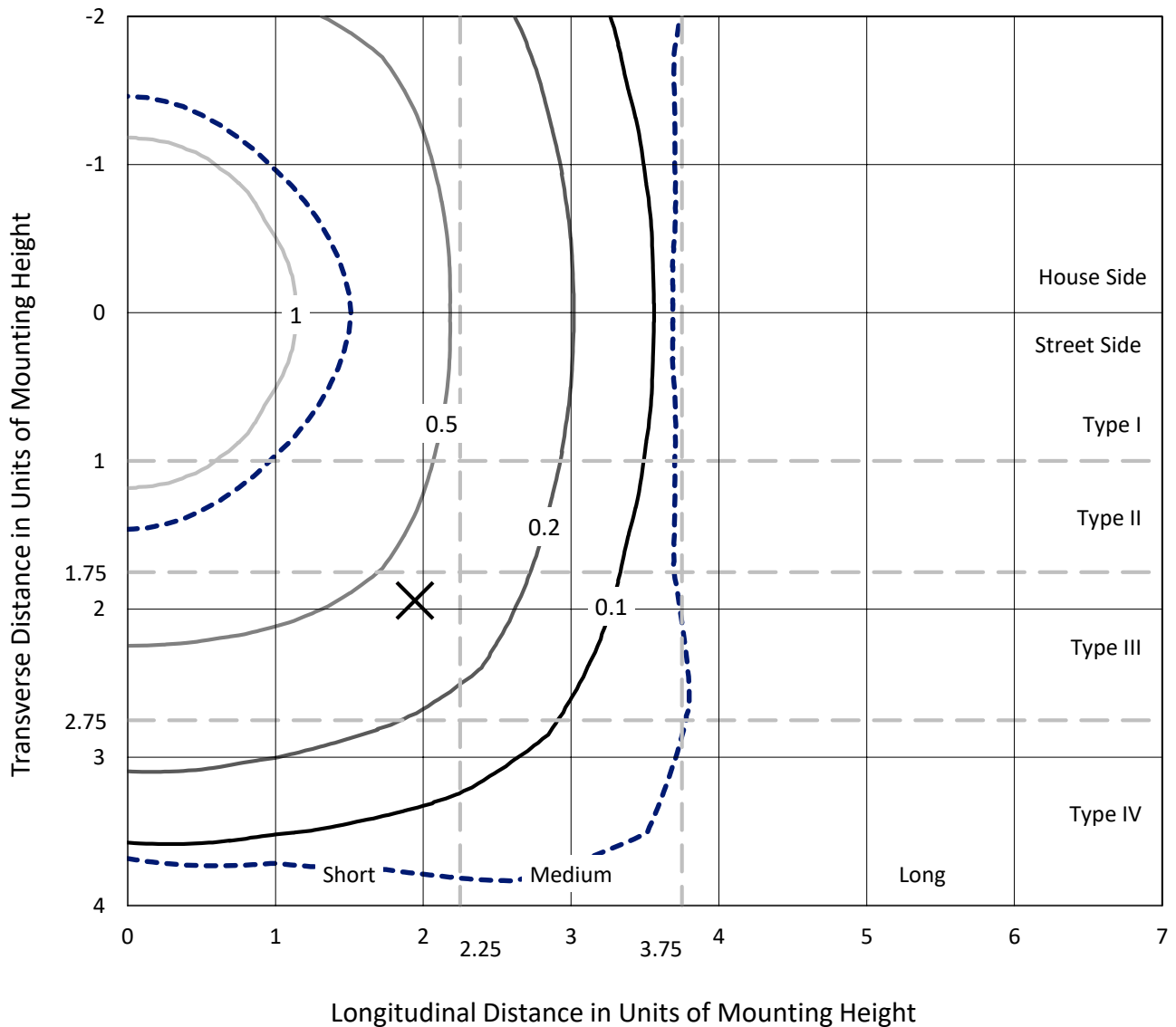
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

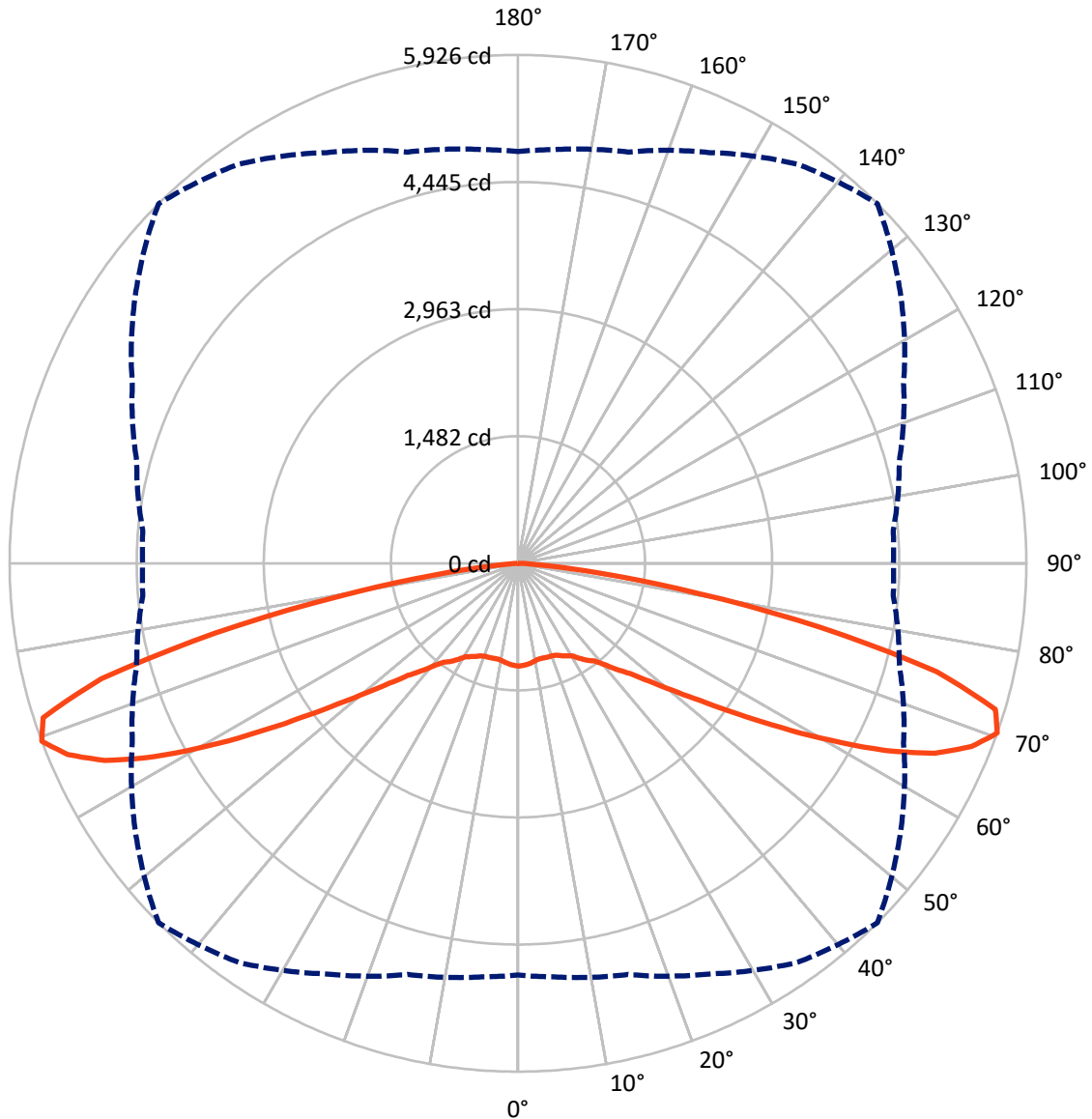
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 1.9 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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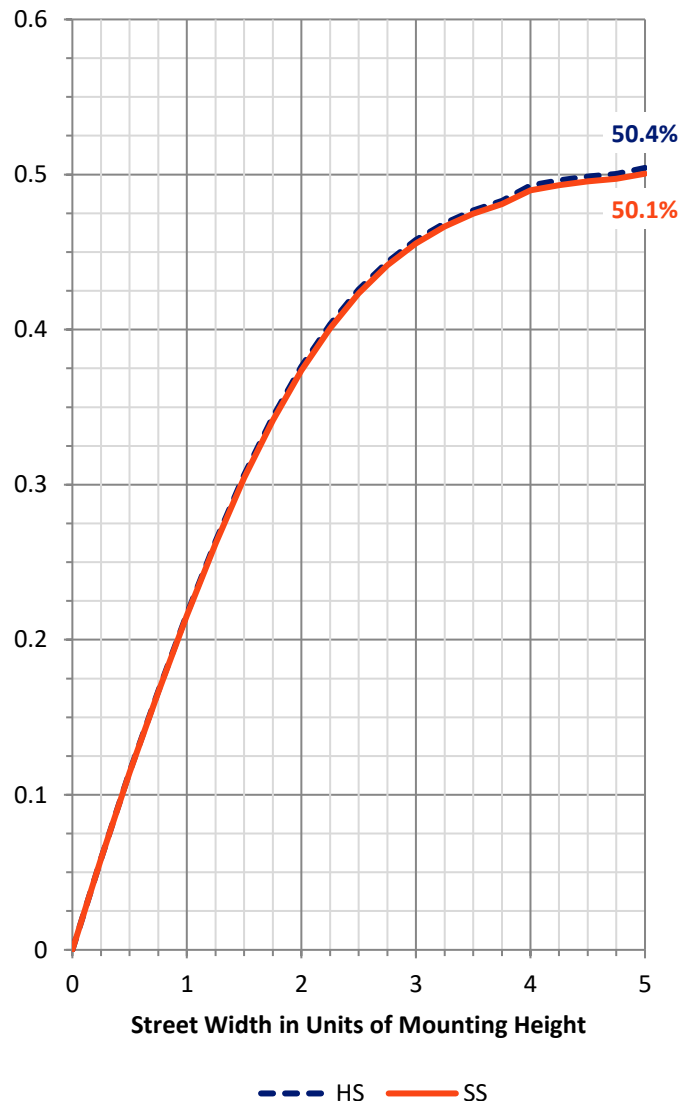
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	7278.0	0.0	7278.0
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	7278.0	0.0	7278.0
	% Fixture	50.0	0.0	50.0
Total	Lumens	14556.0	0.0	14556.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	111.8	0.8
10°-20°	326.6	2.2
20°-30°	556.8	3.8
30°-40°	870.1	6.0
40°-50°	1474.6	10.1
50°-60°	2689.0	18.5
60°-70°	4629.3	31.8
70°-80°	3628.6	24.9
80°-90°	269.1	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°	14556.0	100.0
0°-180°	14556.0	100.0

Coefficient of Utilization



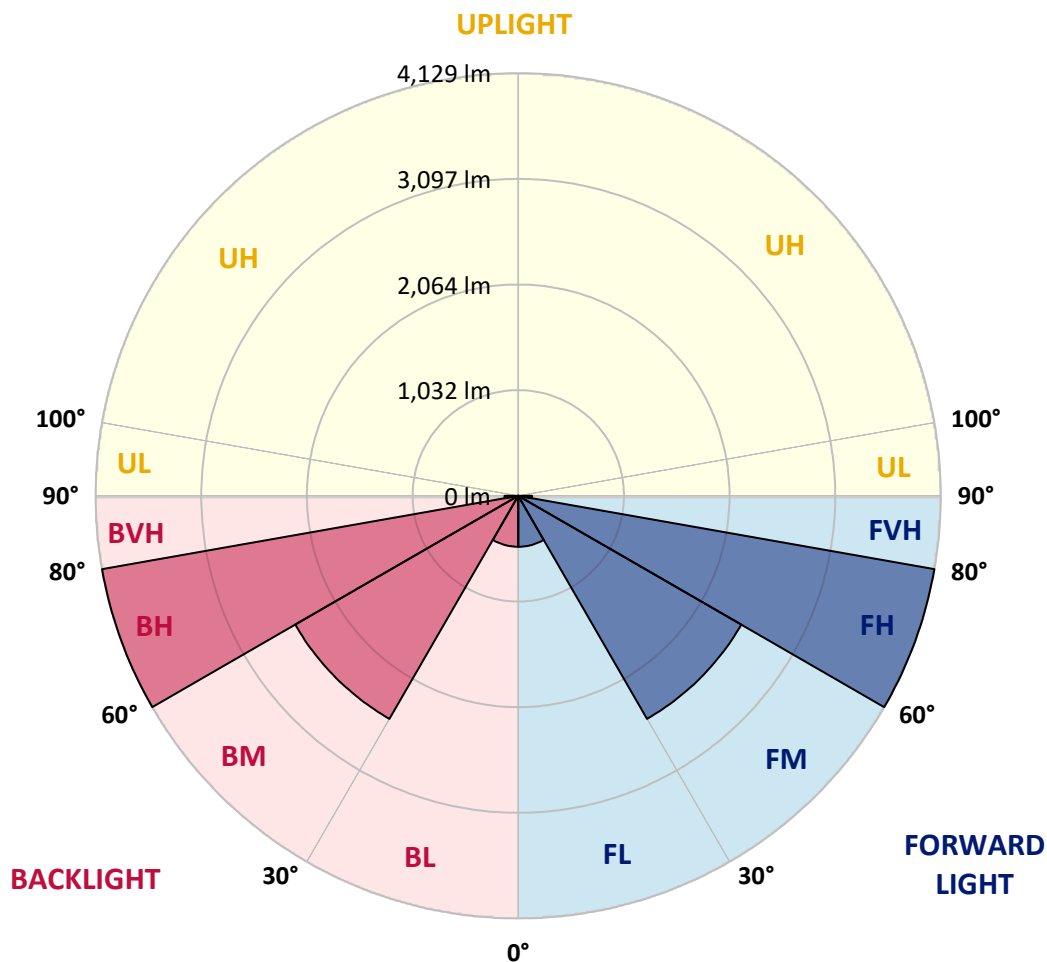
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	497.6	3.4			
FM (30°-60°)	2516.8	17.3			
FH (60°-80°)	4129.0	28.4			G2/5000
FVH (80°-90°)	134.5	0.9			G2/225
BL (0°-30°)	497.6	3.4	B1/500		
BM (30°-60°)	2516.8	17.3	B3/5000		
BH (60°-80°)	4129.0	28.4	B4/5000		G2/5000
BVH (80°-90°)	134.5	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°	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0	1198.0
2.5°	1192.7	1194.1	1192.7	1193.6	1191.2	1192.2	1192.2	1192.2	1191.7	1192.2	1191.2
5°	1182.1	1183.0	1181.1	1182.1	1180.6	1182.1	1182.6	1182.1	1181.1	1181.6	1179.7
7.5°	1166.2	1167.1	1165.7	1167.1	1165.2	1167.6	1167.1	1165.7	1164.3	1164.3	1162.3
10°	1157.5	1158.0	1154.1	1152.7	1148.4	1149.3	1150.8	1152.2	1153.7	1156.6	1156.1
12.5°	1158.0	1158.0	1152.2	1146.0	1139.7	1141.1	1143.6	1148.8	1154.6	1159.9	1160.4
15°	1162.8	1162.3	1153.7	1143.6	1139.2	1143.6	1145.0	1148.4	1157.5	1166.7	1167.1
17.5°	1166.2	1166.2	1152.7	1141.1	1140.7	1147.4	1146.9	1148.4	1158.5	1172.0	1172.4
20°	1172.4	1172.4	1155.1	1142.6	1142.6	1149.8	1150.3	1152.7	1162.8	1177.7	1180.1
22.5°	1186.4	1186.9	1168.6	1158.5	1159.4	1163.8	1165.2	1169.1	1178.2	1194.6	1197.5
25°	1206.1	1207.1	1188.3	1182.6	1185.9	1194.1	1193.1	1196.0	1206.1	1222.0	1224.9
27.5°	1233.6	1231.2	1213.9	1211.4	1214.8	1220.6	1220.1	1220.6	1228.8	1243.2	1246.6
30°	1269.2	1268.3	1255.7	1257.2	1255.7	1253.8	1254.3	1258.1	1262.5	1274.0	1277.4
32.5°	1303.9	1304.9	1297.1	1304.4	1315.0	1322.2	1311.1	1300.5	1295.7	1302.0	1304.9
35°	1366.5	1368.9	1356.9	1352.0	1366.5	1387.7	1356.4	1339.0	1348.7	1356.9	1359.3
37.5°	1472.9	1474.3	1454.1	1434.9	1424.3	1444.5	1413.2	1414.6	1448.3	1463.7	1463.3
40°	1594.2	1594.7	1581.2	1564.4	1546.1	1550.9	1538.4	1542.2	1564.4	1578.3	1582.2
42.5°	1738.7	1737.2	1716.0	1692.0	1686.7	1691.5	1670.3	1667.4	1692.9	1718.0	1718.5
45°	1926.0	1922.6	1895.2	1868.7	1843.2	1832.6	1827.3	1841.2	1876.4	1899.5	1900.0
47.5°	2127.7	2118.6	2104.1	2082.9	2060.8	2050.2	2041.5	2048.3	2073.8	2082.9	2083.9
50°	2335.3	2337.2	2340.1	2331.9	2323.7	2320.3	2297.7	2284.7	2292.4	2275.5	2273.1
52.5°	2581.3	2585.1	2613.1	2636.7	2650.6	2657.9	2615.0	2570.2	2545.2	2512.4	2502.8
55°	2871.6	2877.9	2918.8	2984.3	3051.7	3087.3	3009.8	2926.0	2848.5	2787.4	2767.6
57.5°	3195.2	3206.3	3262.6	3388.3	3526.5	3610.7	3479.8	3327.6	3177.9	3089.8	3074.3
60°	3574.6	3585.2	3663.2	3843.3	4067.2	4193.8	3995.4	3746.5	3560.2	3475.9	3447.5
62.5°	4026.3	4027.2	4123.0	4333.5	4629.1	4805.3	4536.7	4203.9	4011.8	3910.2	3882.8
65°	4512.1	4514.5	4613.7	4841.0	5146.7	5338.3	5035.0	4688.3	4453.4	4303.6	4282.4
67.5°	4855.4	4865.5	4970.0	5243.5	5529.5	5702.4	5388.4	4996.5	4724.9	4546.3	4528.5
70°	4800.5	4840.0	4962.8	5282.0	5679.7	5926.2	5445.7	4959.9	4601.7	4390.8	4375.8
72.5°	4186.6	4262.2	4425.9	4844.8	5480.9	5820.3	5133.2	4442.3	4036.9	3857.3	3830.3
75°	2850.9	2973.7	3220.7	3825.0	4682.5	5039.3	4321.4	3541.9	3160.5	2912.1	2893.8
77.5°	1271.1	1299.1	1612.0	2307.8	3231.3	3618.9	3139.8	2317.0	1739.2	1387.2	1313.0
80°	354.4	358.7	478.6	859.5	1617.3	2126.3	1736.3	902.8	507.5	357.8	337.0
82.5°	112.7	122.3	149.3	222.9	543.6	970.2	558.1	240.7	171.4	136.7	123.3
85°	54.9	54.4	75.6	90.5	138.7	214.7	147.8	111.7	97.7	65.0	58.7
87.5°	23.1	23.6	35.1	31.8	40.4	34.7	47.7	50.1	52.5	28.9	25.0
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)