

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: P316277

Luminaire Tested: **GLEON-SA3B-827-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P316277  
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-SA3B-827-U-5WQ  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(3) 80 CRI, 2700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13509 lumens  
Efficiency: N/A  
Efficacy: 108.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B4 - U0 - G2

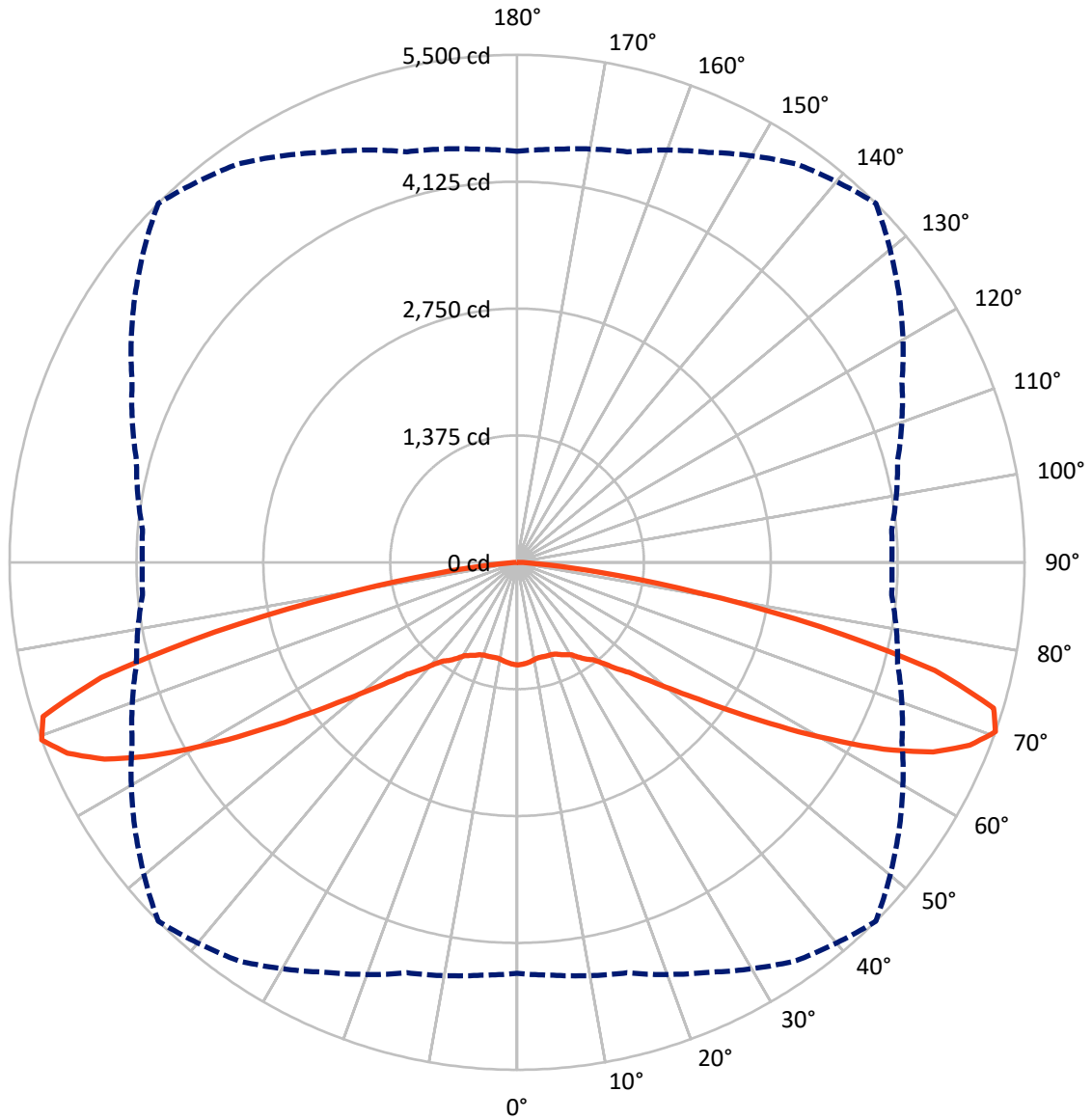
Input Watts (W): 124  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT





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### Luminous Intensity Polar Plot



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

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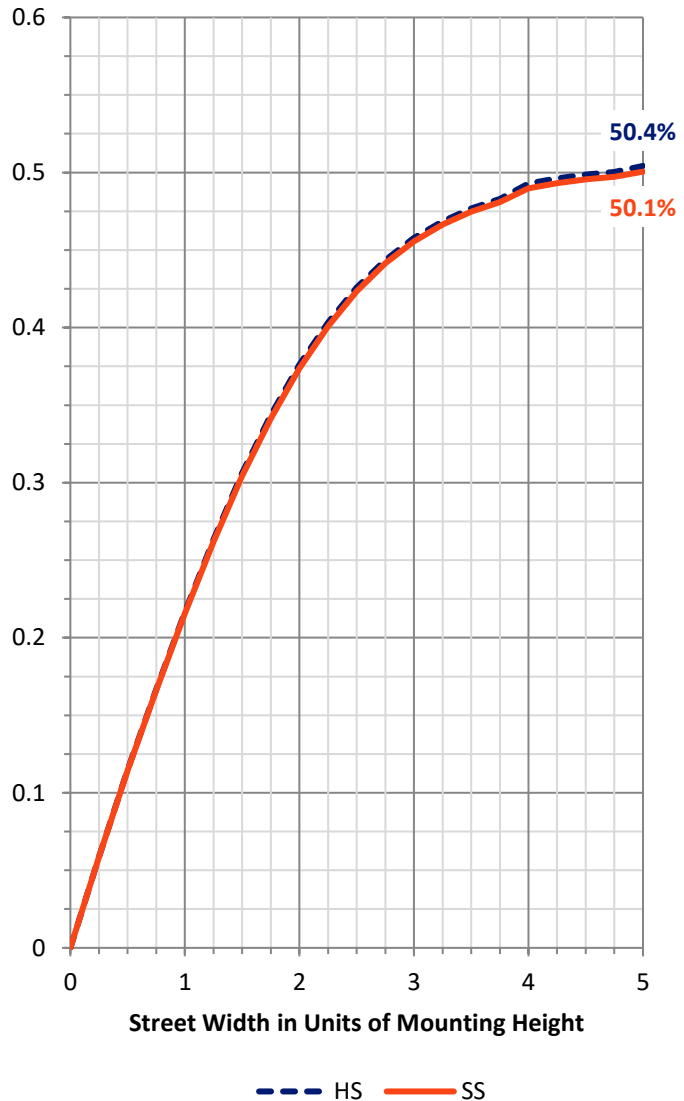
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	6754.5	0.0	6754.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	6754.5	0.0	6754.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	13509.0	0.0	13509.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	103.8	0.8
10°-20°	303.1	2.2
20°-30°	516.8	3.8
30°-40°	807.5	6.0
40°-50°	1368.5	10.1
50°-60°	2495.6	18.5
60°-70°	4296.4	31.8
70°-80°	3367.6	24.9
80°-90°	249.7	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°	13509.0	100.0
0°-180°	13509.0	100.0

**Coefficient of Utilization**



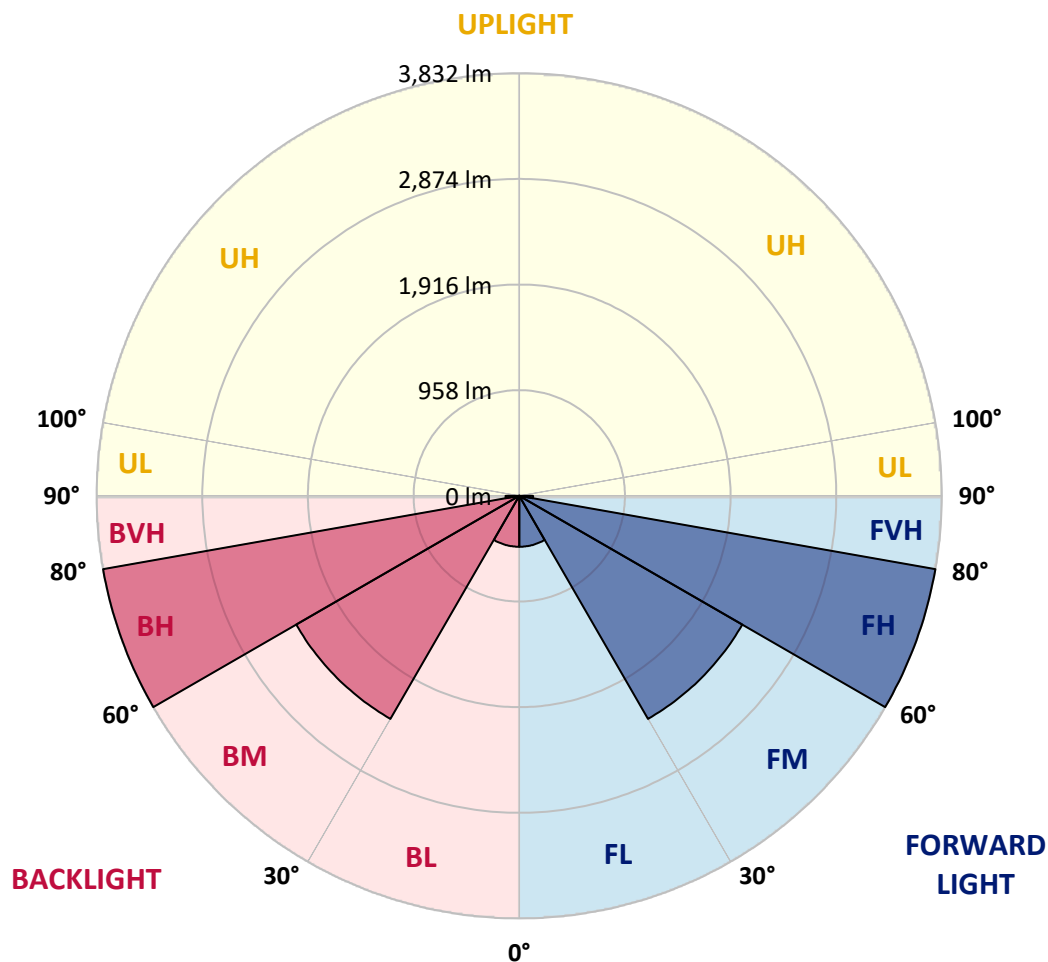
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	461.8	3.4			
FM (30°-60°)	2335.8	17.3			
FH (60°-80°)	3832.0	28.4			G2/5000
FVH (80°-90°)	124.9	0.9			G2/225
BL (0°-30°)	461.8	3.4	B1/500		
BM (30°-60°)	2335.8	17.3	B2/2500		
BH (60°-80°)	3832.0	28.4	B4/5000		G2/5000
BVH (80°-90°)	124.9	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°	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8	1111.8
2.5°	1106.9	1108.2	1106.9	1107.8	1105.5	1106.4	1106.4	1106.4	1106.0	1106.4	1105.5
5°	1097.0	1097.9	1096.2	1097.0	1095.7	1097.0	1097.5	1097.0	1096.2	1096.6	1094.8
7.5°	1082.3	1083.2	1081.9	1083.2	1081.4	1083.6	1083.2	1081.9	1080.5	1080.5	1078.7
10°	1074.3	1074.7	1071.1	1069.8	1065.8	1066.7	1068.0	1069.3	1070.7	1073.4	1072.9
12.5°	1074.7	1074.7	1069.3	1063.5	1057.7	1059.1	1061.3	1066.2	1071.6	1076.5	1076.9
15°	1079.2	1078.7	1070.7	1061.3	1057.3	1061.3	1062.6	1065.8	1074.3	1082.7	1083.2
17.5°	1082.3	1082.3	1069.8	1059.1	1058.6	1064.9	1064.4	1065.8	1075.1	1087.7	1088.1
20°	1088.1	1088.1	1072.0	1060.4	1060.4	1067.1	1067.6	1069.8	1079.2	1093.0	1095.3
22.5°	1101.1	1101.5	1084.5	1075.1	1076.0	1080.1	1081.4	1085.0	1093.5	1108.7	1111.3
25°	1119.4	1120.3	1102.9	1097.5	1100.6	1108.2	1107.3	1110.0	1119.4	1134.1	1136.8
27.5°	1144.9	1142.6	1126.5	1124.3	1127.4	1132.8	1132.3	1132.8	1140.4	1153.8	1156.9
30°	1177.9	1177.0	1165.4	1166.8	1165.4	1163.6	1164.1	1167.7	1171.7	1182.4	1185.5
32.5°	1210.1	1211.0	1203.8	1210.5	1220.4	1227.1	1216.8	1207.0	1202.5	1208.3	1211.0
35°	1268.2	1270.4	1259.3	1254.8	1268.2	1287.9	1258.8	1242.7	1251.7	1259.3	1261.5
37.5°	1367.0	1368.3	1349.5	1331.6	1321.8	1340.6	1311.5	1312.9	1344.2	1358.5	1358.0
40°	1479.6	1480.0	1467.5	1451.9	1434.9	1439.3	1427.7	1431.3	1451.9	1464.8	1468.4
42.5°	1613.6	1612.3	1592.6	1570.3	1565.4	1569.8	1550.2	1547.5	1571.2	1594.4	1594.9
45°	1787.4	1784.3	1758.8	1734.3	1710.6	1700.8	1695.8	1708.8	1741.4	1762.9	1763.3
47.5°	1974.7	1966.2	1952.8	1933.1	1912.6	1902.7	1894.7	1901.0	1924.6	1933.1	1934.0
50°	2167.3	2169.1	2171.7	2164.2	2156.6	2153.4	2132.4	2120.4	2127.5	2111.9	2109.6
52.5°	2395.6	2399.2	2425.1	2447.0	2460.0	2466.7	2426.9	2385.3	2362.1	2331.7	2322.8
55°	2665.1	2670.9	2708.9	2769.7	2832.2	2865.3	2793.3	2715.6	2643.6	2586.9	2568.6
57.5°	2965.4	2975.7	3027.9	3144.6	3272.8	3351.0	3229.5	3088.3	2949.3	2867.5	2853.2
60°	3317.5	3327.3	3399.7	3566.9	3774.6	3892.2	3708.1	3477.0	3304.1	3225.9	3199.5
62.5°	3736.7	3737.6	3826.5	4021.8	4296.1	4459.7	4210.3	3901.6	3723.3	3629.0	3603.5
65°	4187.5	4189.8	4281.8	4492.8	4776.5	4954.4	4672.8	4351.1	4133.0	3994.1	3974.4
67.5°	4506.2	4515.5	4612.5	4866.3	5131.8	5292.2	5000.8	4637.1	4385.1	4219.3	4202.7
70°	4455.2	4491.9	4605.8	4902.1	5271.2	5500.0	5054.0	4603.1	4270.7	4074.9	4061.1
72.5°	3885.5	3955.6	4107.6	4496.3	5086.6	5401.7	4764.0	4122.7	3746.5	3579.8	3554.8
75°	2645.9	2759.8	2989.1	3549.9	4345.7	4676.9	4010.6	3287.1	2933.2	2702.6	2685.6
77.5°	1179.7	1205.6	1496.1	2141.8	2998.9	3358.6	2914.0	2150.3	1614.1	1287.4	1218.6
80°	328.9	332.9	444.2	797.6	1501.0	1973.3	1611.4	837.9	471.0	332.0	312.8
82.5°	104.6	113.5	138.5	206.9	504.5	900.4	517.9	223.4	159.1	126.9	114.4
85°	50.9	50.5	70.2	84.0	128.7	199.3	137.2	103.7	90.7	60.3	54.5
87.5°	21.4	21.9	32.6	29.5	37.5	32.2	44.2	46.5	48.7	26.8	23.2
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)