

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: P386015

Luminaire Tested: **GWC-SA1C-827-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386015  
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: GWC-SA1C-827-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 5729 lumens  
Efficiency: N/A  
Efficacy: 98.8 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

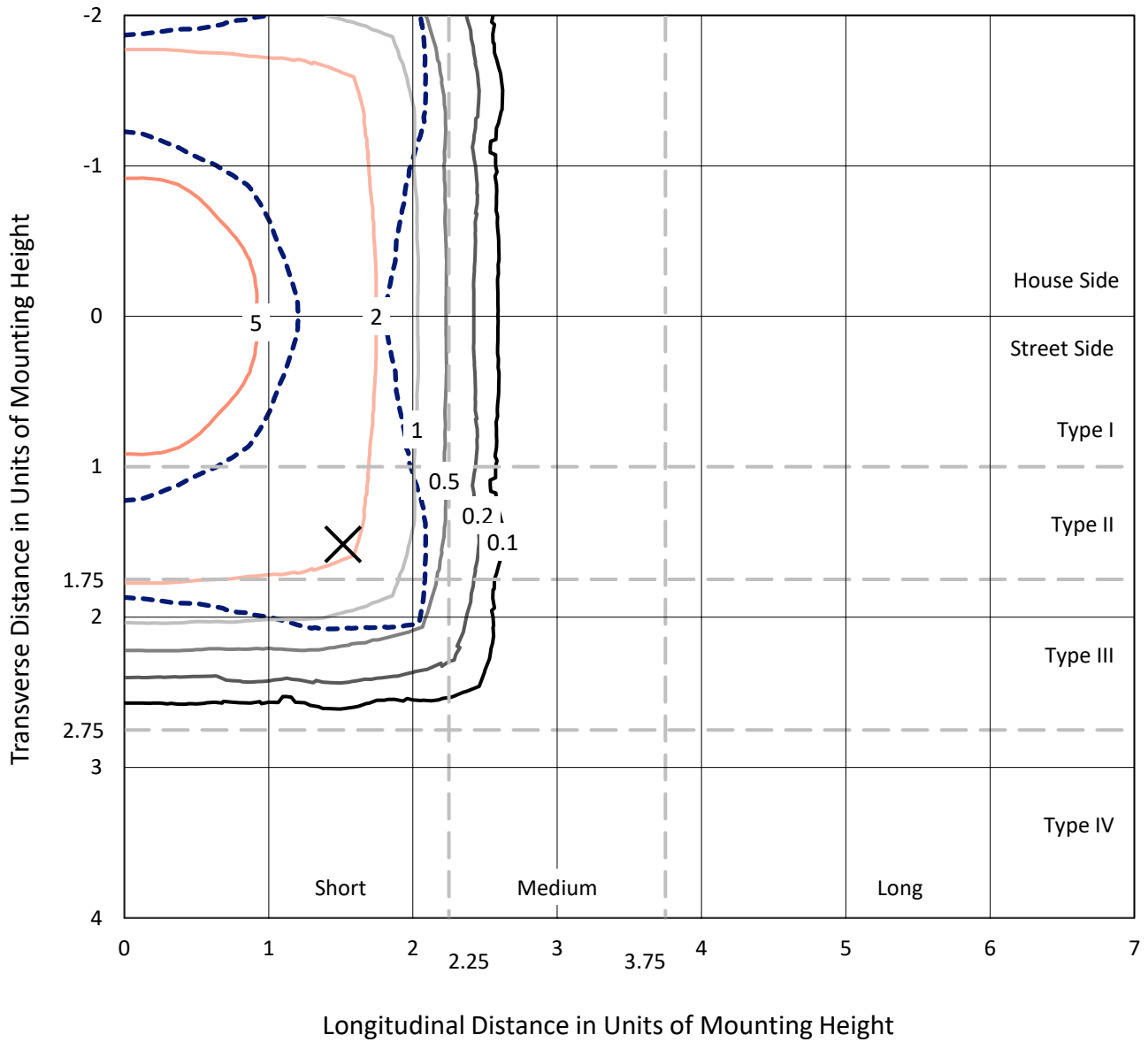
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

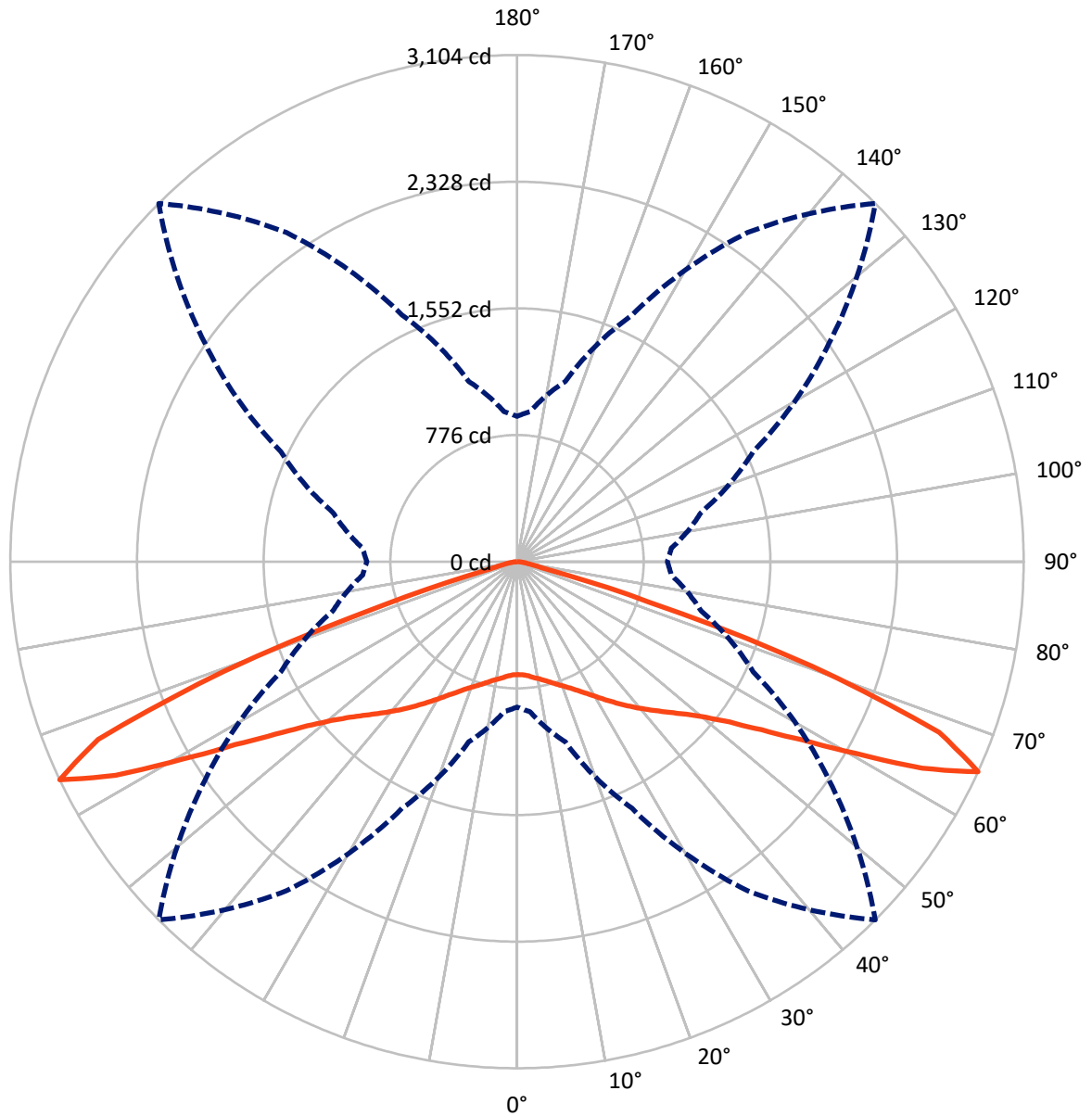
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7 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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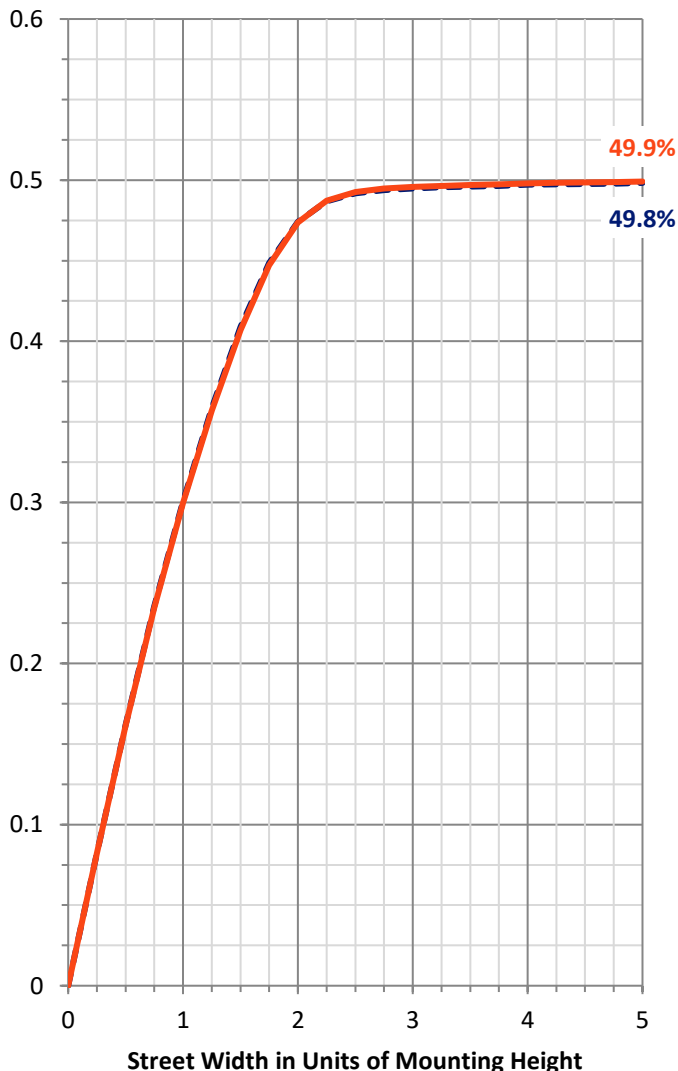
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2864.5	0.0	2864.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	2864.5	0.0	2864.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	5729.0	0.0	5729.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	67.9	1.2
10°-20°	218.2	3.8
20°-30°	409.4	7.1
30°-40°	677.0	11.8
40°-50°	1048.6	18.3
50°-60°	1608.2	28.1
60°-70°	1500.6	26.2
70°-80°	174.7	3.0
80°-90°	24.5	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°	5729.0	100.0
0°-180°	5729.0	100.0

**Coefficient of Utilization**



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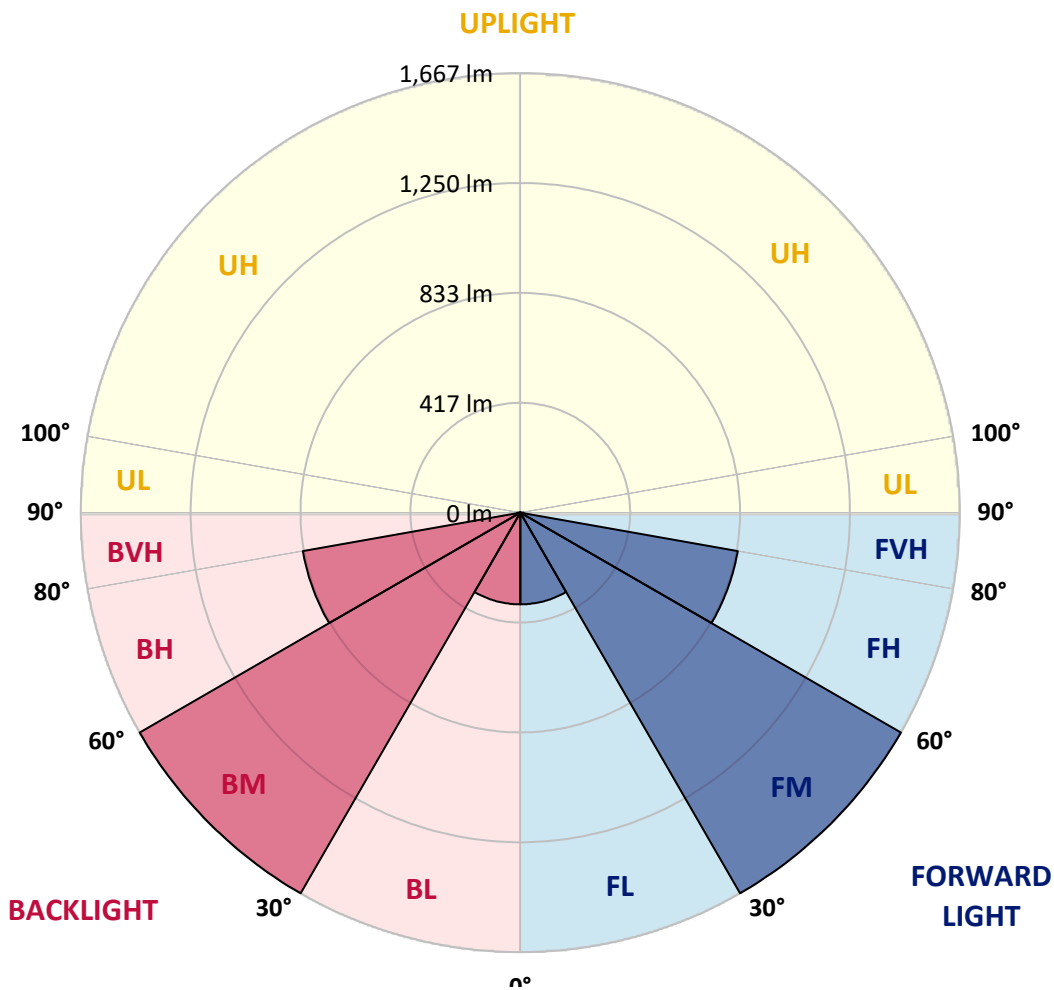
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	347.7	6.1			
FM (30°-60°)	1666.9	29.1			
FH (60°-80°)	837.6	14.6			G1/1800
FVH (80°-90°)	12.3	0.2			G1/100
BL (0°-30°)	347.7	6.1	B1/500		
BM (30°-60°)	1666.9	29.1	B2/2500		
BH (60°-80°)	837.6	14.6	B2/1000		G1/1800
BVH (80°-90°)	12.3	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°	691.8	691.8	691.8	691.8	691.8	691.8	691.8	691.8	691.8	691.8	691.8
2.5°	694.1	693.8	694.1	694.3	693.2	693.8	693.6	694.5	694.9	694.5	694.5
5°	702.1	701.5	702.3	703.3	701.7	702.1	701.5	702.7	703.1	702.3	702.9
7.5°	713.1	713.3	714.1	715.8	714.9	715.6	714.5	714.7	714.5	713.3	713.5
10°	725.1	725.3	726.7	728.9	729.3	729.3	728.6	728.0	727.2	726.5	726.7
12.5°	739.6	740.5	741.5	744.3	744.3	745.9	745.5	744.0	742.6	741.5	741.5
15°	759.2	759.0	760.1	763.0	764.3	766.8	766.8	764.7	763.0	761.8	761.5
17.5°	779.7	780.3	781.0	784.5	786.6	789.4	789.8	788.1	786.9	785.4	784.5
20°	803.7	804.6	807.7	809.0	810.9	813.6	814.5	814.1	813.0	812.2	812.4
22.5°	831.6	834.1	836.0	837.9	840.2	842.1	843.0	844.4	843.2	842.7	842.3
25°	865.5	867.2	871.0	874.4	875.9	876.5	877.6	879.6	879.4	878.0	878.0
27.5°	903.9	907.1	911.9	916.8	916.8	914.9	918.7	922.0	920.8	919.1	916.8
30°	950.5	953.5	959.0	965.9	962.5	961.1	966.3	972.2	970.5	967.6	967.2
32.5°	1000.7	1003.5	1010.8	1018.2	1013.8	1011.9	1017.4	1026.0	1022.9	1017.2	1013.8
35°	1055.1	1057.9	1068.2	1077.1	1069.7	1066.5	1071.1	1080.4	1075.0	1064.4	1061.7
37.5°	1114.2	1115.7	1129.1	1138.2	1133.1	1124.5	1130.2	1137.0	1132.5	1119.5	1114.4
40°	1175.6	1181.2	1196.6	1207.2	1198.3	1184.8	1194.3	1203.8	1196.9	1180.4	1171.7
42.5°	1247.3	1251.5	1272.1	1281.6	1267.1	1248.1	1261.0	1274.0	1267.1	1251.1	1243.5
45°	1321.9	1328.4	1352.9	1362.4	1341.5	1317.3	1333.1	1355.7	1355.2	1332.2	1324.2
47.5°	1403.1	1409.6	1438.8	1451.4	1428.8	1396.4	1418.7	1450.6	1448.4	1423.1	1416.6
50°	1496.9	1503.7	1540.2	1556.0	1534.9	1497.2	1530.7	1558.8	1554.7	1523.5	1524.0
52.5°	1614.6	1614.2	1659.6	1687.0	1665.3	1632.1	1662.9	1690.3	1673.0	1629.8	1628.5
55°	1717.6	1723.9	1780.2	1832.1	1830.8	1818.1	1830.4	1831.6	1782.1	1724.7	1717.6
57.5°	1785.3	1797.3	1876.6	1970.6	2040.9	2057.9	2033.9	1961.3	1845.4	1753.6	1742.4
60°	1743.7	1762.0	1886.5	2078.0	2285.3	2384.8	2249.6	2024.2	1796.2	1668.2	1653.0
62.5°	1462.6	1493.4	1675.8	2026.1	2495.6	2786.4	2405.9	1923.2	1600.3	1424.0	1398.0
65°	890.8	923.3	1143.1	1667.6	2461.6	3104.4	2334.6	1596.3	1168.0	948.8	920.6
67.5°	296.9	306.4	435.9	921.8	1934.6	2789.3	1937.9	955.6	508.3	337.0	327.1
70°	116.2	117.1	138.3	267.2	913.6	1915.8	1008.1	271.9	144.5	114.3	116.8
72.5°	85.4	85.8	91.7	111.6	238.1	844.0	246.7	112.2	89.2	80.1	80.1
75°	68.7	68.7	72.8	81.4	106.7	193.6	108.2	80.4	69.8	63.9	63.1
77.5°	54.2	55.3	58.6	64.1	72.3	93.2	74.9	63.7	56.3	50.8	49.6
80°	40.3	41.5	46.8	49.4	51.9	64.7	55.3	49.8	44.5	38.0	36.9
82.5°	26.4	27.6	34.2	35.8	35.2	42.2	37.3	36.7	32.7	24.5	23.4
85°	17.3	17.7	22.8	23.8	21.9	19.2	23.8	25.1	22.8	16.0	15.4
87.5°	8.2	8.2	11.6	10.8	9.9	8.0	10.8	12.7	12.9	7.8	7.6
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245982



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