

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: P386043

Luminaire Tested: **GWC-SA1C-830-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386043  
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-830-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6193 lumens  
Efficiency: N/A  
Efficacy: 106.8 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

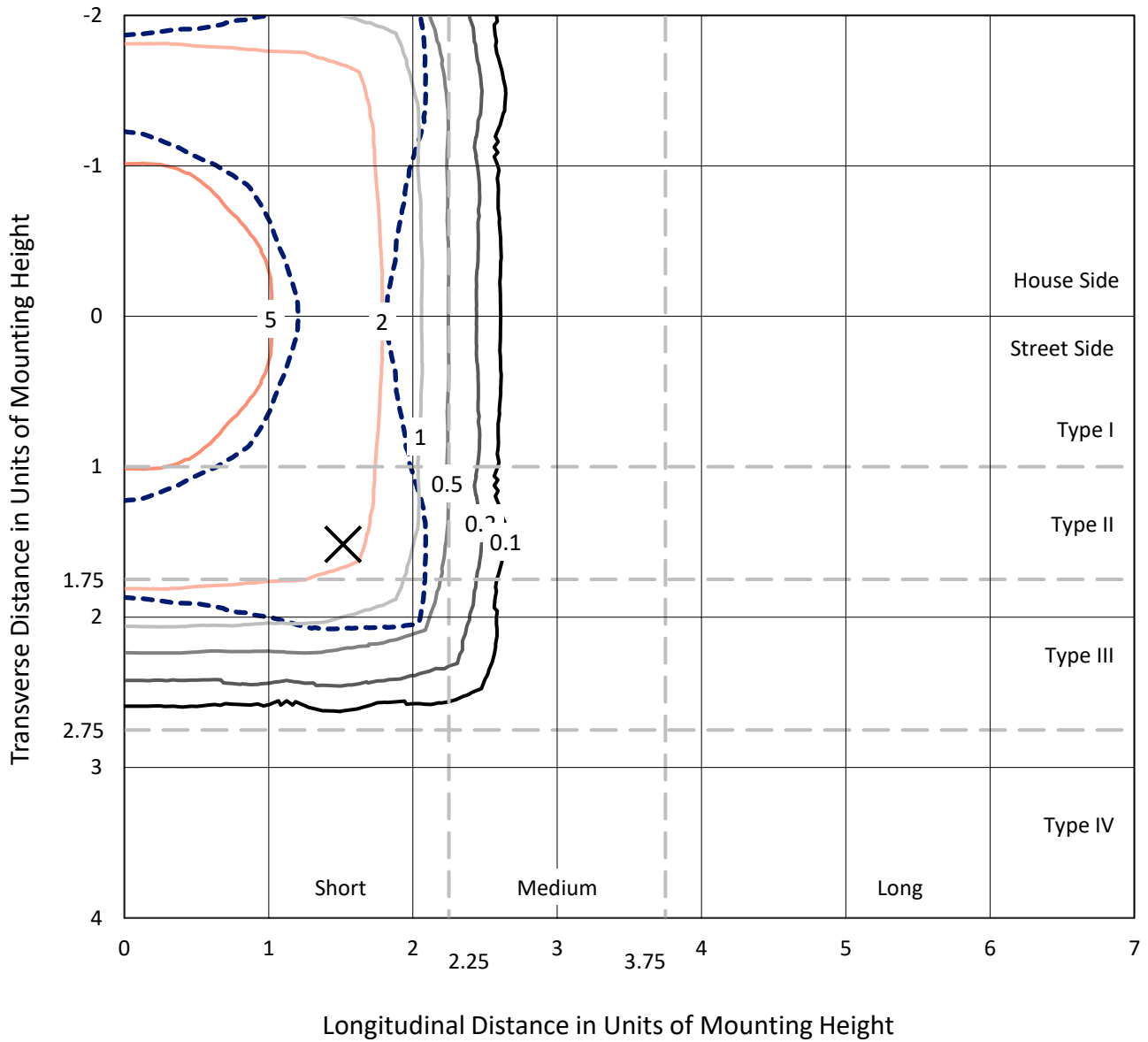
Input Watts (W): 58  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

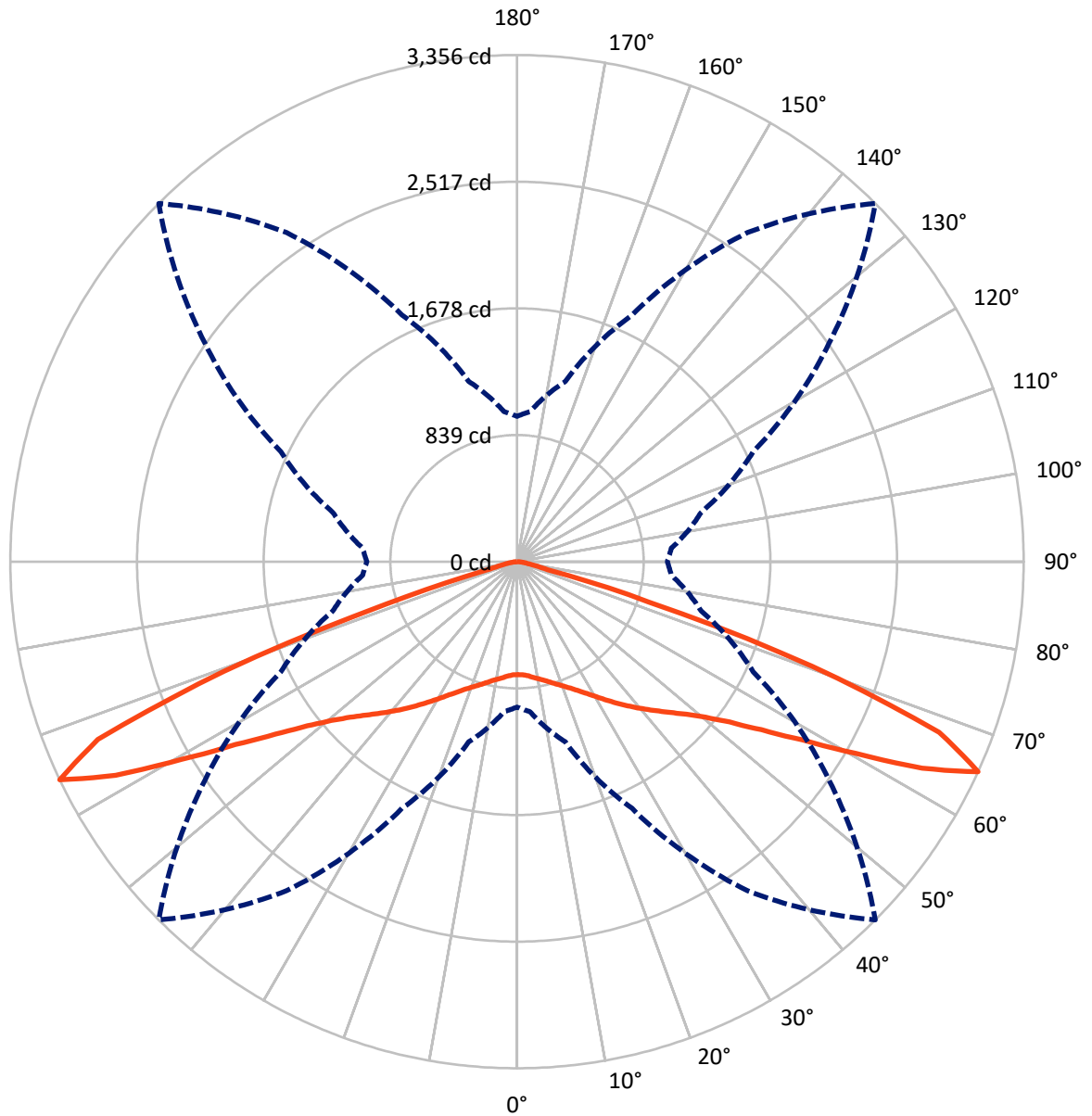
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 7.5 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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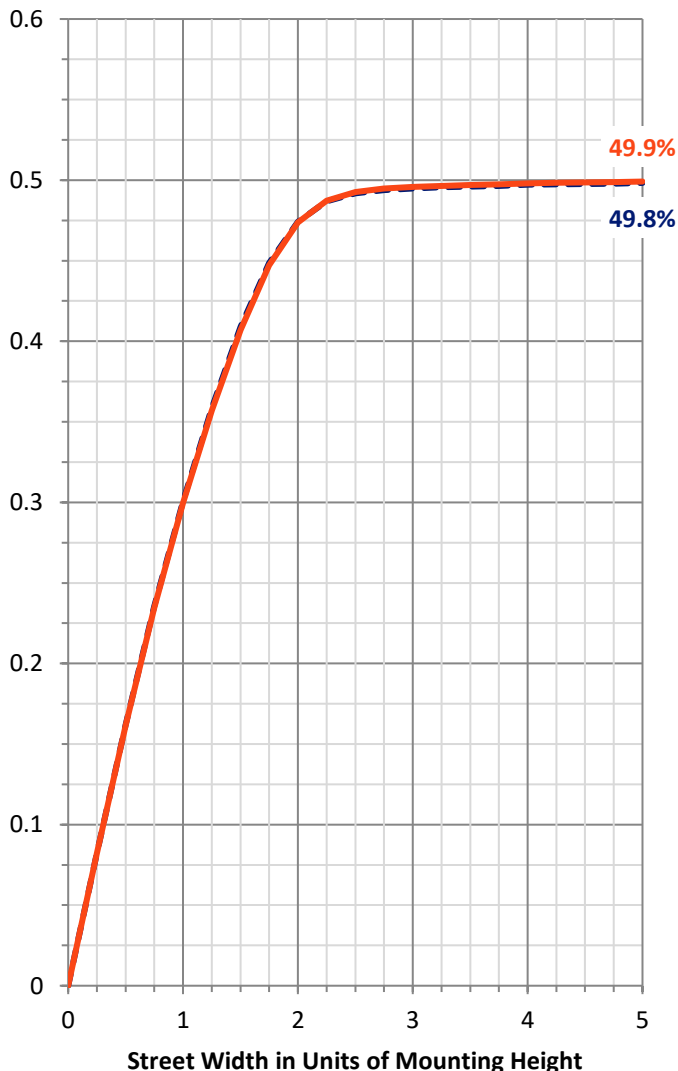
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3096.5	0.0	3096.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3096.5	0.0	3096.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6193.0	0.0	6193.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.4	1.2
10°-20°	235.9	3.8
20°-30°	442.5	7.1
30°-40°	731.8	11.8
40°-50°	1133.5	18.3
50°-60°	1738.5	28.1
60°-70°	1622.2	26.2
70°-80°	188.8	3.0
80°-90°	26.5	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°	6193.0	100.0
0°-180°	6193.0	100.0

**Coefficient of Utilization**



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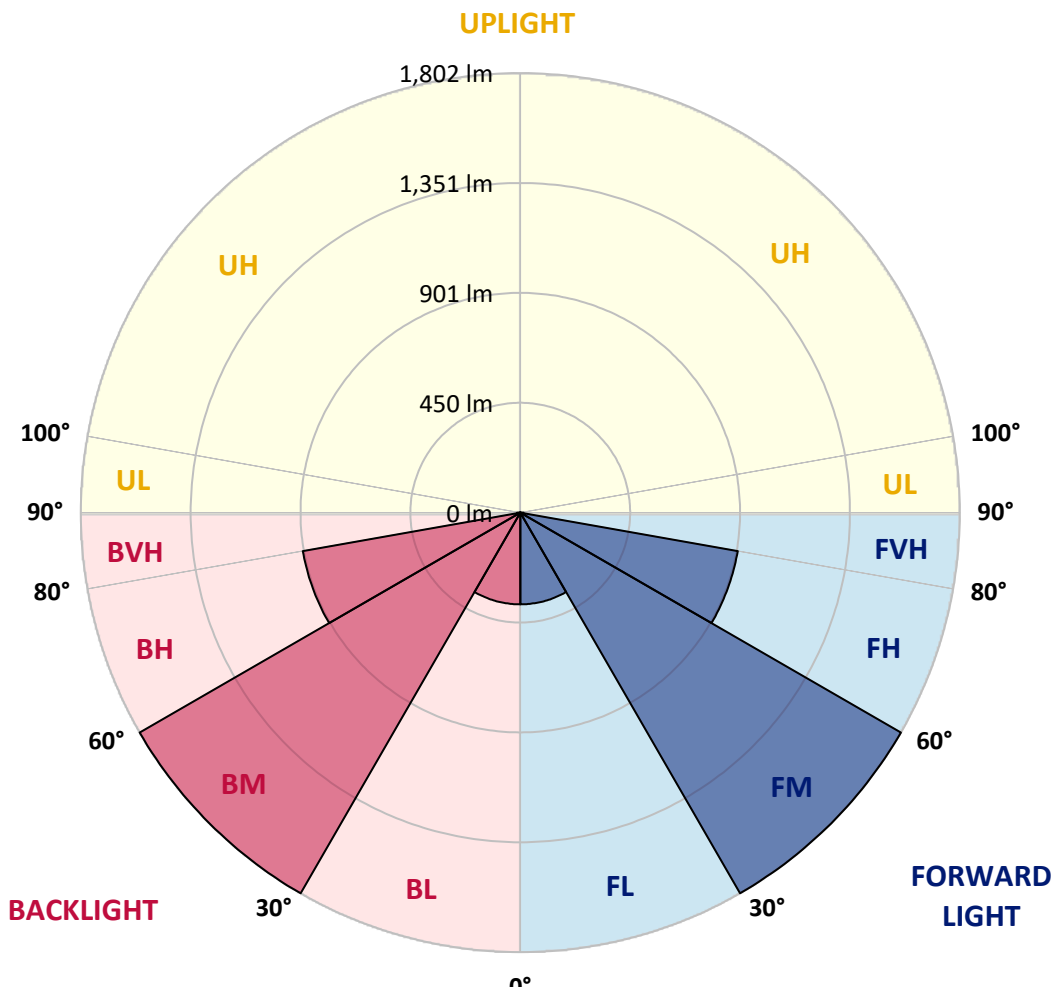
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	375.9	6.1			
FM (30°-60°)	1801.9	29.1			
FH (60°-80°)	905.5	14.6			G1/1800
FVH (80°-90°)	13.3	0.2			G1/100
BL (0°-30°)	375.9	6.1	B1/500		
BM (30°-60°)	1801.9	29.1	B2/2500		
BH (60°-80°)	905.5	14.6	B2/1000		G1/1800
BVH (80°-90°)	13.3	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°	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9	747.9
2.5°	750.4	749.9	750.4	750.6	749.3	749.9	749.7	750.8	751.2	750.8	750.8
5°	759.0	758.4	759.2	760.2	758.6	759.0	758.4	759.6	760.0	759.2	759.8
7.5°	770.9	771.1	771.9	773.8	772.8	773.6	772.3	772.6	772.3	771.1	771.3
10°	783.9	784.1	785.5	788.0	788.4	788.4	787.6	786.9	786.1	785.3	785.5
12.5°	799.5	800.5	801.5	804.6	804.6	806.3	805.9	804.2	802.8	801.5	801.5
15°	820.7	820.5	821.7	824.8	826.2	828.9	828.9	826.6	824.8	823.5	823.1
17.5°	842.9	843.5	844.3	848.0	850.3	853.3	853.8	851.9	850.7	849.0	848.0
20°	868.8	869.8	873.1	874.5	876.6	879.5	880.5	880.1	878.8	878.0	878.2
22.5°	899.0	901.7	903.7	905.8	908.2	910.3	911.3	912.8	911.5	910.9	910.5
25°	935.6	937.4	941.5	945.2	946.9	947.5	948.7	950.8	950.6	949.1	949.1
27.5°	977.1	980.6	985.7	991.1	991.1	989.0	993.1	996.6	995.4	993.5	991.1
30°	1027.5	1030.8	1036.7	1044.1	1040.4	1039.0	1044.5	1050.9	1049.1	1046.0	1045.6
32.5°	1081.7	1084.8	1092.6	1100.7	1095.9	1093.9	1099.8	1109.1	1105.8	1099.6	1095.9
35°	1140.5	1143.6	1154.7	1164.4	1156.4	1152.9	1157.8	1167.9	1162.1	1150.6	1147.7
37.5°	1204.5	1206.1	1220.5	1230.4	1224.8	1215.6	1221.7	1229.1	1224.2	1210.2	1204.7
40°	1270.9	1276.8	1293.5	1305.0	1295.3	1280.7	1291.0	1301.3	1293.9	1276.0	1266.5
42.5°	1348.4	1352.9	1375.1	1385.4	1369.7	1349.2	1363.2	1377.1	1369.7	1352.5	1344.3
45°	1429.0	1435.9	1462.5	1472.7	1450.1	1424.0	1441.1	1465.5	1464.9	1440.1	1431.4
47.5°	1516.7	1523.7	1555.4	1569.0	1544.5	1509.5	1533.6	1568.1	1565.7	1538.3	1531.3
50°	1618.1	1625.5	1665.0	1682.0	1659.2	1618.5	1654.7	1685.1	1680.6	1646.9	1647.5
52.5°	1745.3	1744.9	1794.1	1823.7	1800.2	1764.2	1797.6	1827.2	1808.4	1761.8	1760.3
55°	1856.8	1863.5	1924.4	1980.5	1979.1	1965.3	1978.7	1979.9	1926.4	1864.4	1856.8
57.5°	1929.9	1942.9	2028.6	2130.2	2206.2	2224.5	2198.6	2120.1	1994.9	1895.6	1883.5
60°	1884.9	1904.7	2039.3	2246.3	2470.4	2577.9	2431.8	2188.1	1941.7	1803.3	1786.9
62.5°	1581.1	1614.4	1811.5	2190.2	2697.8	3012.1	2600.7	2079.0	1729.9	1539.3	1511.2
65°	962.9	998.1	1235.7	1802.7	2661.0	3355.8	2523.6	1725.6	1262.6	1025.6	995.2
67.5°	320.9	331.2	471.2	996.4	2091.3	3015.2	2094.8	1033.0	549.5	364.3	353.6
70°	125.6	126.6	149.5	288.8	987.6	2071.0	1089.8	294.0	156.2	123.6	126.2
72.5°	92.3	92.7	99.1	120.7	257.4	912.3	266.6	121.3	96.4	86.5	86.5
75°	74.2	74.2	78.7	88.0	115.3	209.3	117.0	87.0	75.4	69.1	68.3
77.5°	58.6	59.8	63.3	69.3	78.1	100.7	81.0	68.9	60.9	54.9	53.7
80°	43.6	44.8	50.6	53.4	56.1	69.9	59.8	53.9	48.1	41.1	39.9
82.5°	28.6	29.8	37.0	38.6	38.0	45.6	40.3	39.7	35.4	26.5	25.3
85°	18.7	19.1	24.7	25.7	23.6	20.8	25.7	27.1	24.7	17.3	16.7
87.5°	8.8	8.8	12.5	11.7	10.7	8.6	11.7	13.8	14.0	8.4	8.2
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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