

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: P386267

Luminaire Tested: **GWC-SA1D-830-U-5NQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386267  
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-SA1D-830-U-5NQ  
Description: GALLEON WALL LUMINAIRE  
(1) 80 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 6792 lumens  
Efficiency: N/A  
Efficacy: 102.9 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

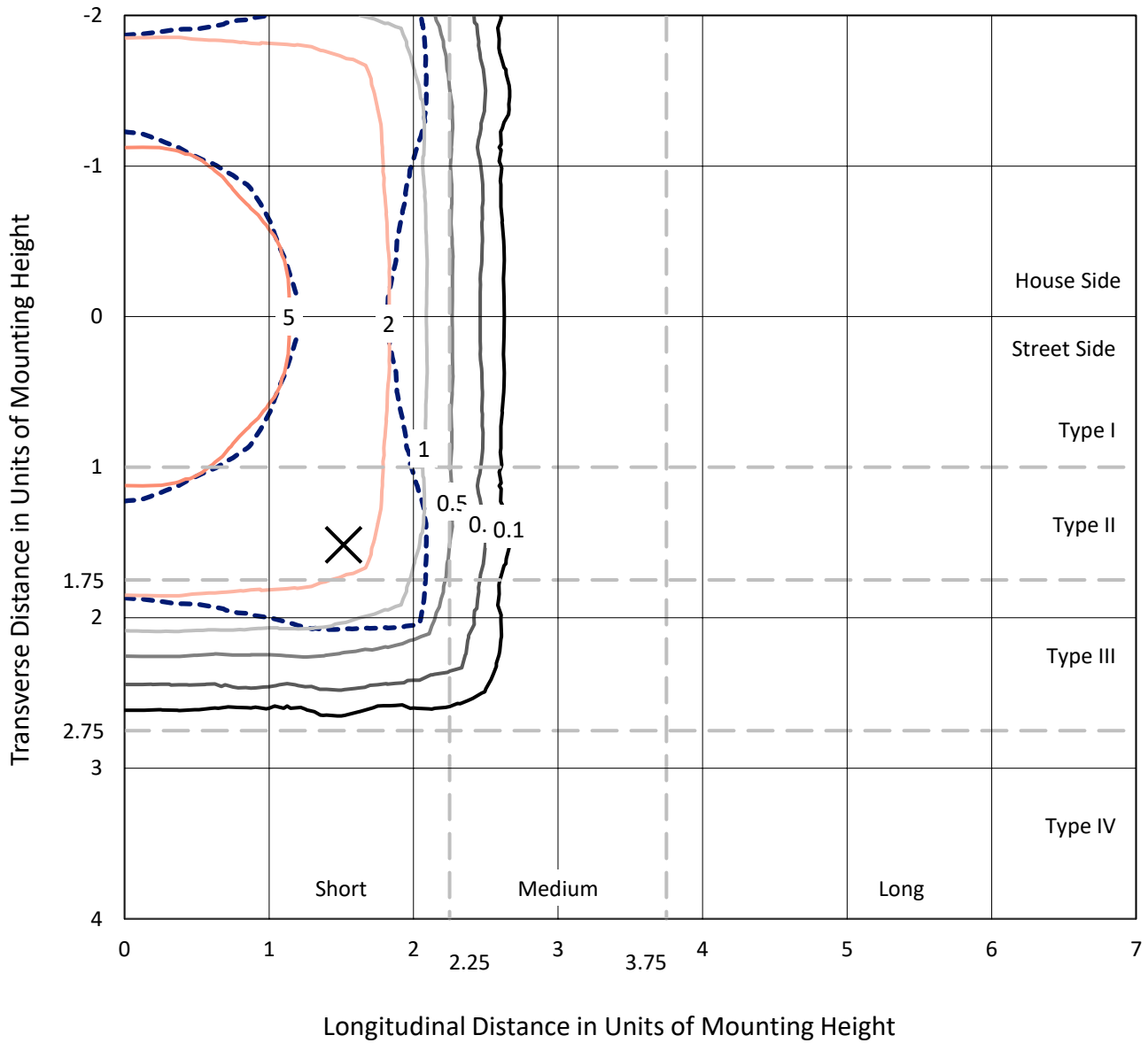
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

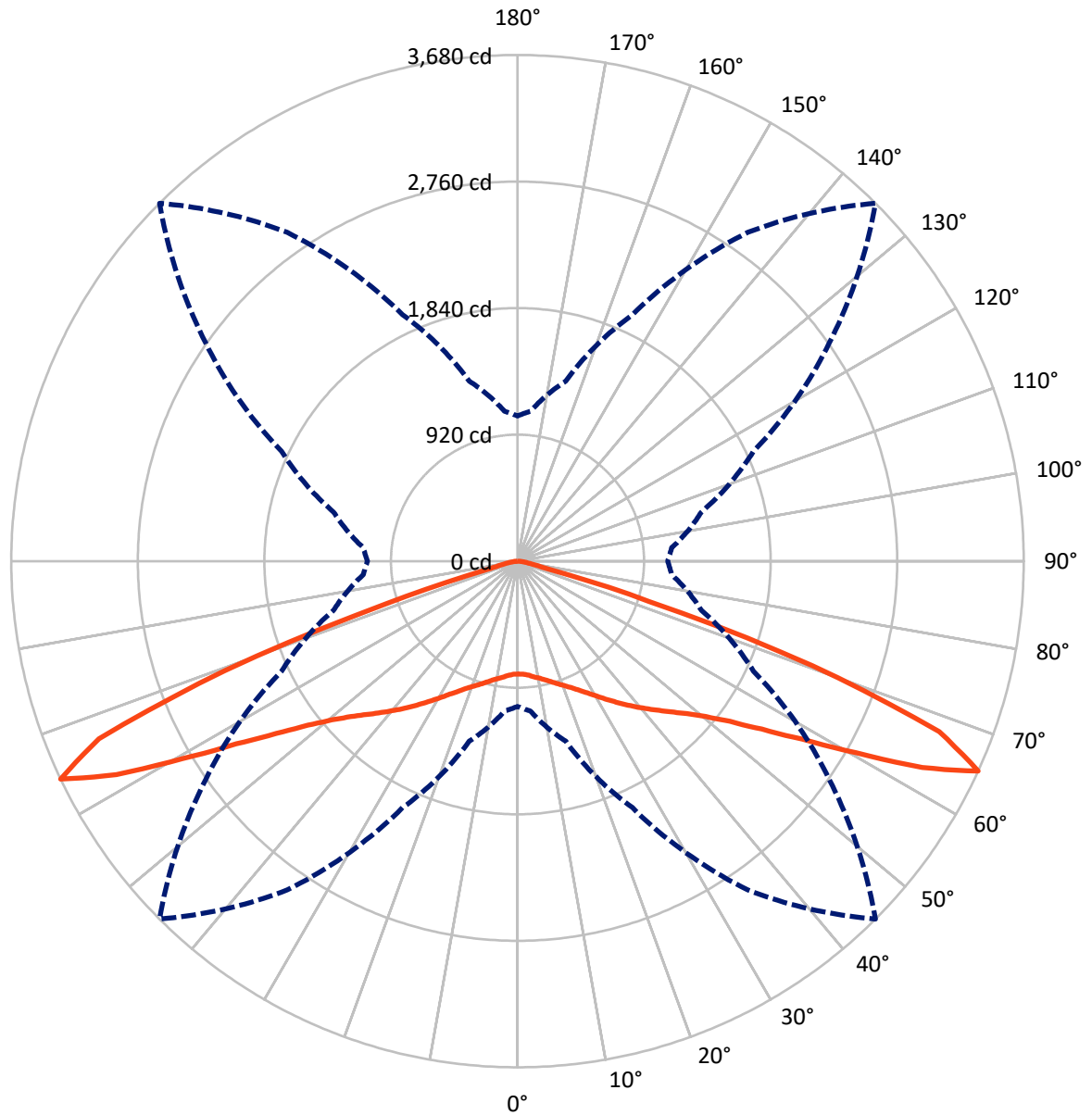
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 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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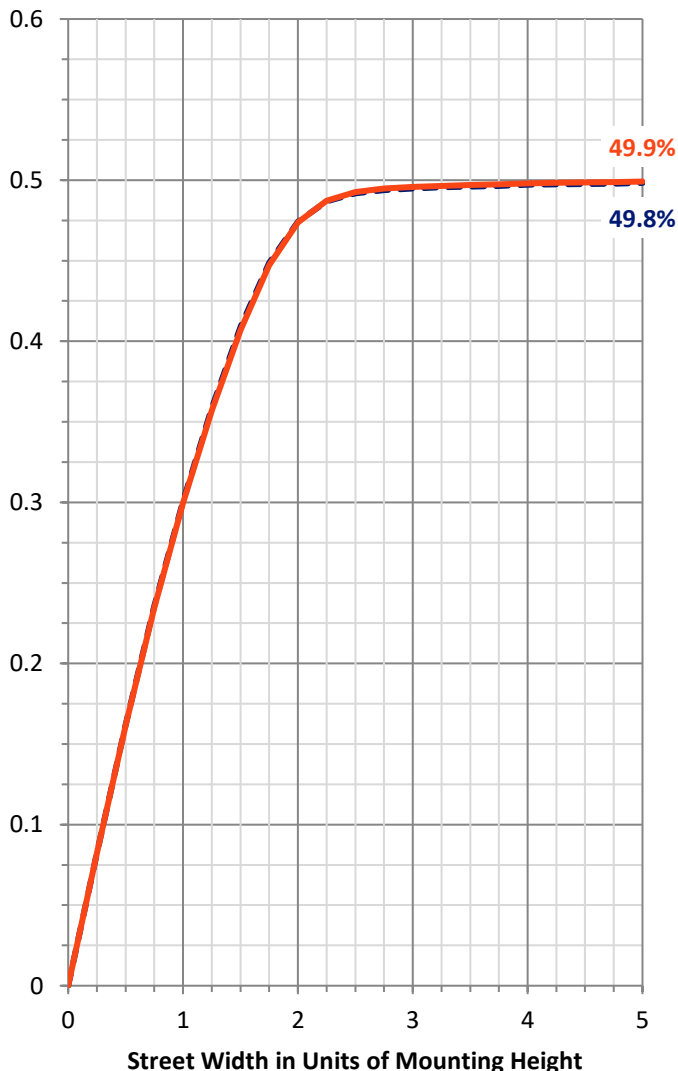
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3396.0	0.0	3396.0
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3396.0	0.0	3396.0
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	6792.0	0.0	6792.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	80.5	1.2
10°-20°	258.7	3.8
20°-30°	485.3	7.1
30°-40°	802.6	11.8
40°-50°	1243.1	18.3
50°-60°	1906.6	28.1
60°-70°	1779.1	26.2
70°-80°	207.1	3.0
80°-90°	29.1	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°	6792.0	100.0
0°-180°	6792.0	100.0

**Coefficient of Utilization**



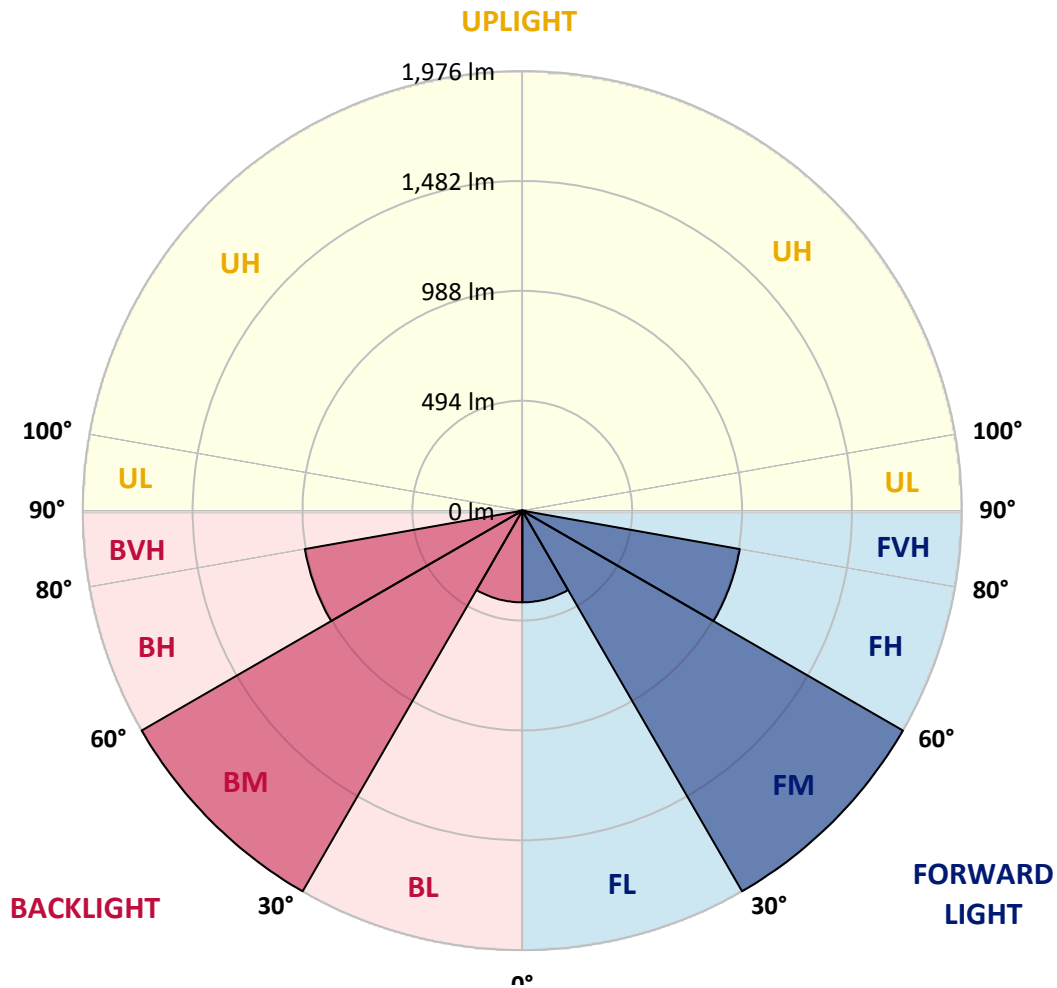
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	412.2	6.1			
FM (30°-60°)	1976.2	29.1			
FH (60°-80°)	993.1	14.6			G1/1800
FVH (80°-90°)	14.6	0.2			G1/100
BL (0°-30°)	412.2	6.1	B1/500		
BM (30°-60°)	1976.2	29.1	B2/2500		
BH (60°-80°)	993.1	14.6	B2/1000		G1/1800
BVH (80°-90°)	14.6	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°	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2	820.2
2.5°	822.9	822.5	822.9	823.2	821.8	822.5	822.2	823.4	823.8	823.4	823.4
5°	832.4	831.7	832.6	833.7	831.9	832.4	831.7	833.1	833.5	832.6	833.3
7.5°	845.5	845.7	846.6	848.6	847.5	848.4	847.0	847.3	847.0	845.7	845.9
10°	859.7	859.9	861.5	864.2	864.6	864.6	863.7	863.1	862.2	861.3	861.5
12.5°	876.8	877.9	879.1	882.4	882.4	884.3	883.8	882.0	880.4	879.1	879.1
15°	900.0	899.8	901.2	904.5	906.1	909.1	909.1	906.6	904.5	903.2	902.7
17.5°	924.4	925.1	926.0	930.0	932.5	935.9	936.3	934.3	932.9	931.1	930.0
20°	952.8	953.9	957.5	959.1	961.4	964.5	965.6	965.2	963.8	962.9	963.2
22.5°	985.9	988.9	991.1	993.4	996.1	998.3	999.5	1001.0	999.7	999.0	998.6
25°	1026.1	1028.1	1032.6	1036.7	1038.5	1039.1	1040.5	1042.7	1042.5	1040.9	1040.9
27.5°	1071.6	1075.4	1081.1	1086.9	1086.9	1084.7	1089.2	1093.0	1091.7	1089.6	1086.9
30°	1126.8	1130.5	1137.0	1145.1	1141.0	1139.5	1145.6	1152.5	1150.5	1147.1	1146.7
32.5°	1186.4	1189.7	1198.3	1207.1	1201.9	1199.7	1206.2	1216.4	1212.7	1206.0	1201.9
35°	1250.8	1254.2	1266.4	1277.0	1268.2	1264.4	1269.8	1280.8	1274.5	1261.9	1258.7
37.5°	1321.0	1322.8	1338.6	1349.4	1343.3	1333.1	1339.9	1348.0	1342.6	1327.3	1321.2
40°	1393.8	1400.3	1418.6	1431.2	1420.6	1404.6	1415.9	1427.2	1419.0	1399.4	1389.1
42.5°	1478.8	1483.7	1508.1	1519.4	1502.2	1479.7	1495.0	1510.4	1502.2	1483.3	1474.3
45°	1567.2	1574.8	1603.9	1615.2	1590.4	1561.8	1580.5	1607.3	1606.6	1579.3	1569.9
47.5°	1663.4	1671.1	1705.8	1720.7	1693.9	1655.5	1681.9	1719.8	1717.1	1687.1	1679.4
50°	1774.6	1782.7	1826.0	1844.7	1819.7	1775.0	1814.7	1848.1	1843.1	1806.2	1806.8
52.5°	1914.1	1913.7	1967.6	2000.0	1974.3	1934.9	1971.4	2003.9	1983.4	1932.2	1930.6
55°	2036.3	2043.8	2110.5	2172.1	2170.5	2155.4	2170.0	2171.4	2112.8	2044.7	2036.3
57.5°	2116.6	2130.8	2224.8	2336.2	2419.6	2439.7	2411.3	2325.2	2187.9	2079.0	2065.7
60°	2067.2	2088.9	2236.6	2463.6	2709.3	2827.3	2667.0	2399.8	2129.5	1977.7	1959.7
62.5°	1734.0	1770.5	1986.7	2402.0	2958.7	3303.4	2852.3	2280.1	1897.2	1688.2	1657.3
65°	1056.1	1094.6	1355.2	1977.1	2918.3	3680.4	2767.7	1892.5	1384.8	1124.8	1091.4
67.5°	351.9	363.2	516.8	1092.8	2293.6	3306.8	2297.4	1132.9	602.7	399.5	387.8
70°	137.8	138.9	163.9	316.8	1083.1	2271.3	1195.2	322.4	171.3	135.5	138.4
72.5°	101.2	101.7	108.7	132.3	282.3	1000.6	292.4	133.0	105.7	94.9	94.9
75°	81.4	81.4	86.4	96.5	126.5	229.5	128.3	95.4	82.7	75.8	74.9
77.5°	64.3	65.6	69.4	76.0	85.7	110.5	88.8	75.5	66.7	60.2	58.8
80°	47.8	49.2	55.5	58.6	61.6	76.7	65.6	59.1	52.8	45.1	43.7
82.5°	31.3	32.7	40.6	42.4	41.7	50.1	44.2	43.5	38.8	29.1	27.7
85°	20.5	21.0	27.1	28.2	25.9	22.8	28.2	29.8	27.1	18.9	18.3
87.5°	9.7	9.7	13.8	12.9	11.7	9.5	12.9	15.1	15.3	9.2	9.0
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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