

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: P386604

Luminaire Tested: **GWC-SA2B-735-U-5WQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P386604
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: GWC-SA2B-735-U-5WQ
Description: GALLEON WALL LUMINAIRE
(2) 70 CRI, 3500K, 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: 11801.6 lumens
Efficiency: N/A
Efficacy: 137.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B4 - U0 - G2

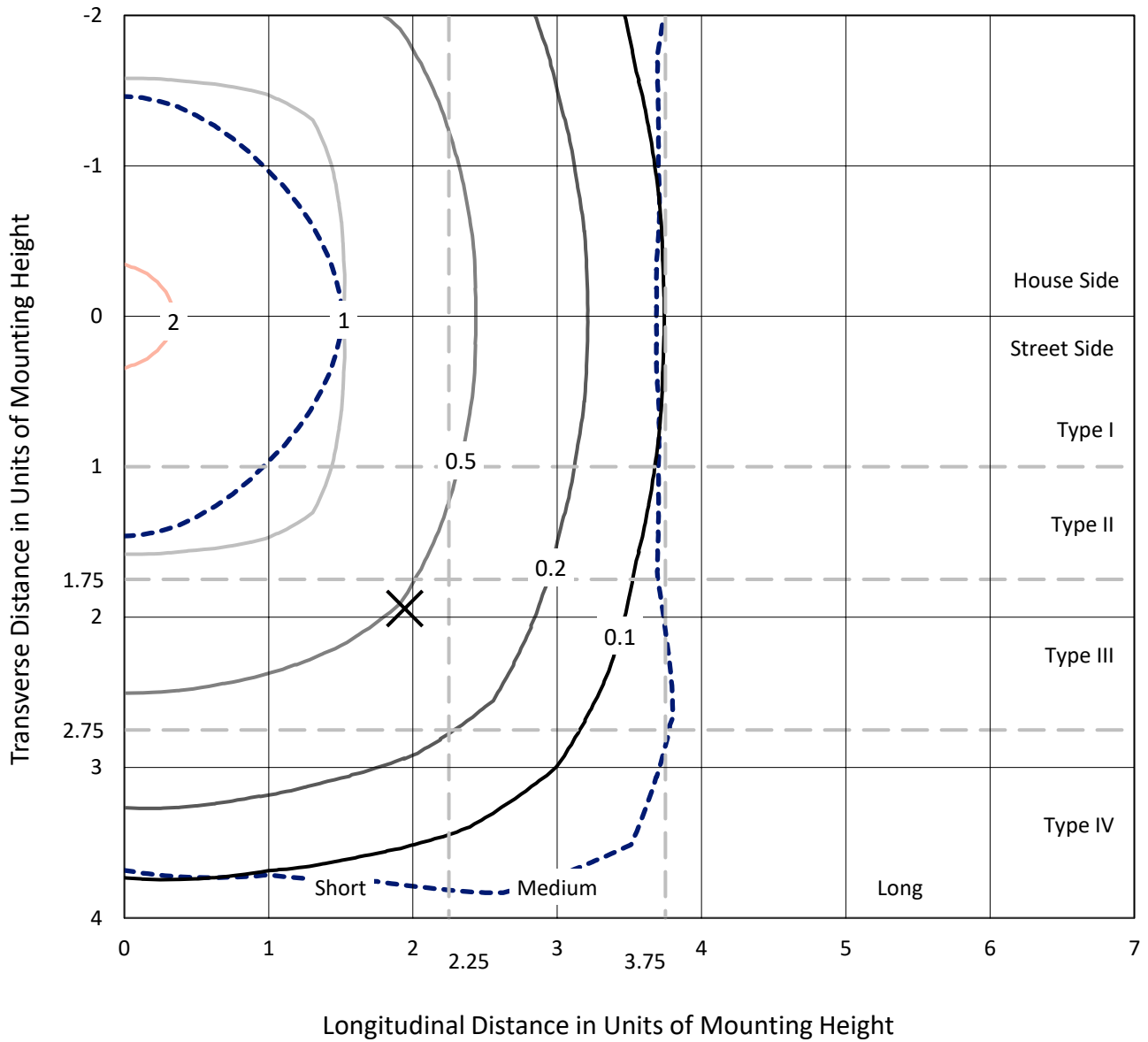
Input Watts (W): 86
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

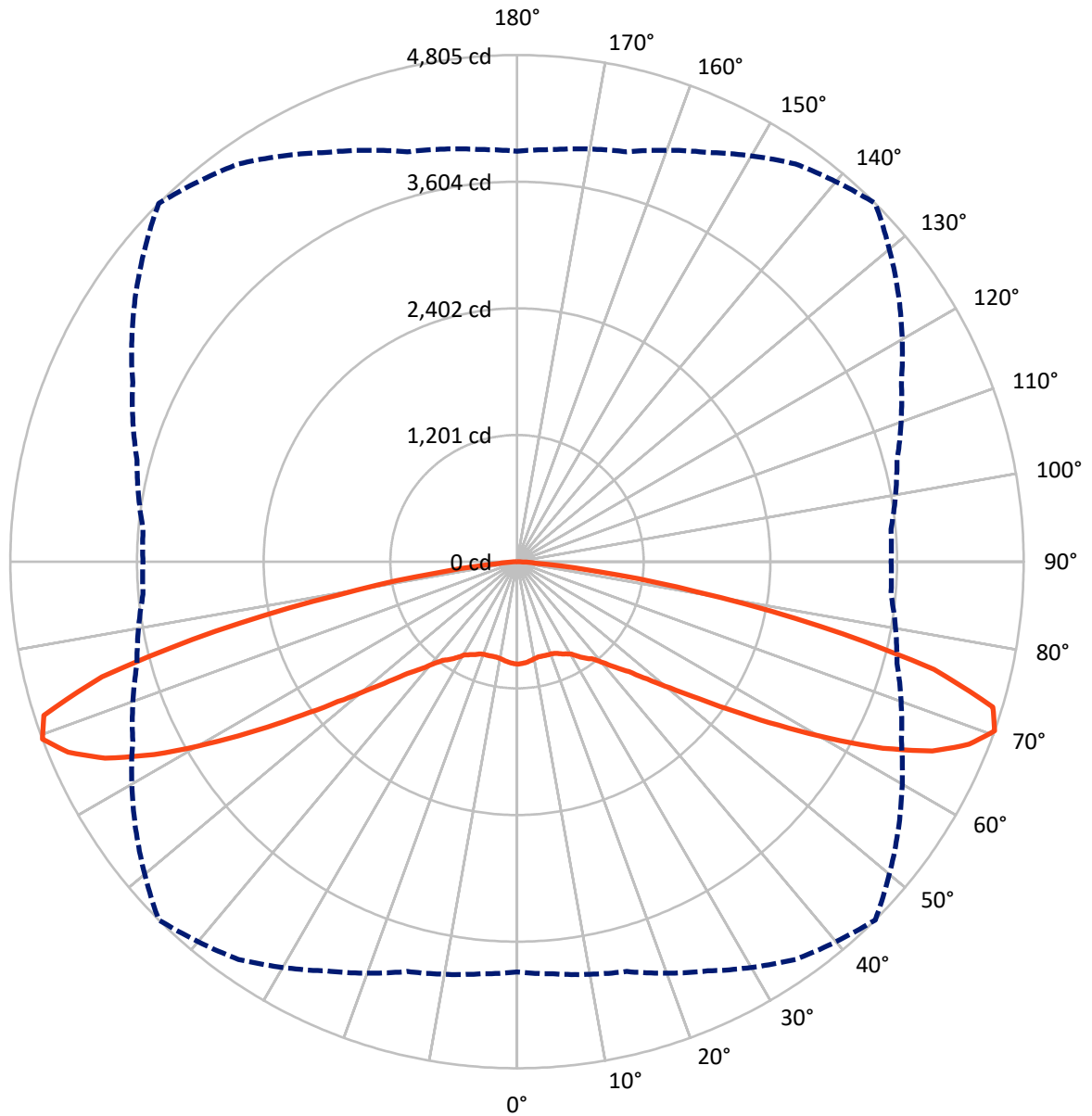
✕ Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 2.4 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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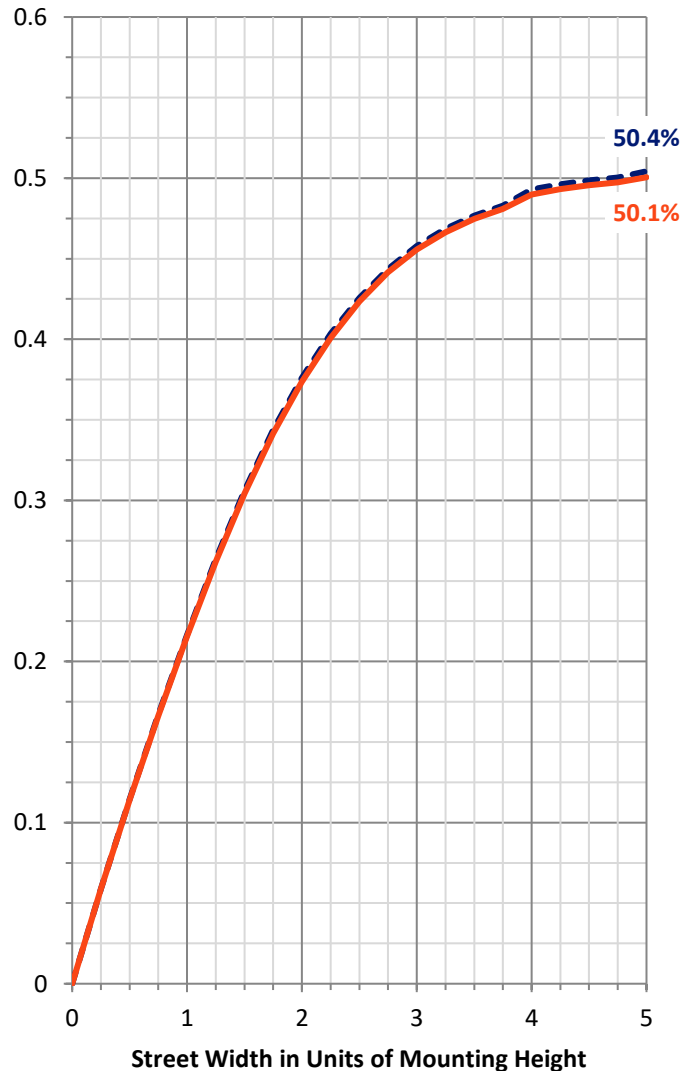
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5900.8	0.0	5900.8
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	5900.8	0.0	5900.8
	% Fixture	50.0	0.0	50.0
Total	Lumens	11801.6	0.0	11801.6
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	90.7	0.8
10°-20°	264.8	2.2
20°-30°	451.5	3.8
30°-40°	705.4	6.0
40°-50°	1195.6	10.1
50°-60°	2180.2	18.5
60°-70°	3753.3	31.8
70°-80°	2942.0	24.9
80°-90°	218.1	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°	11801.6	100.0
0°-180°	11801.6	100.0



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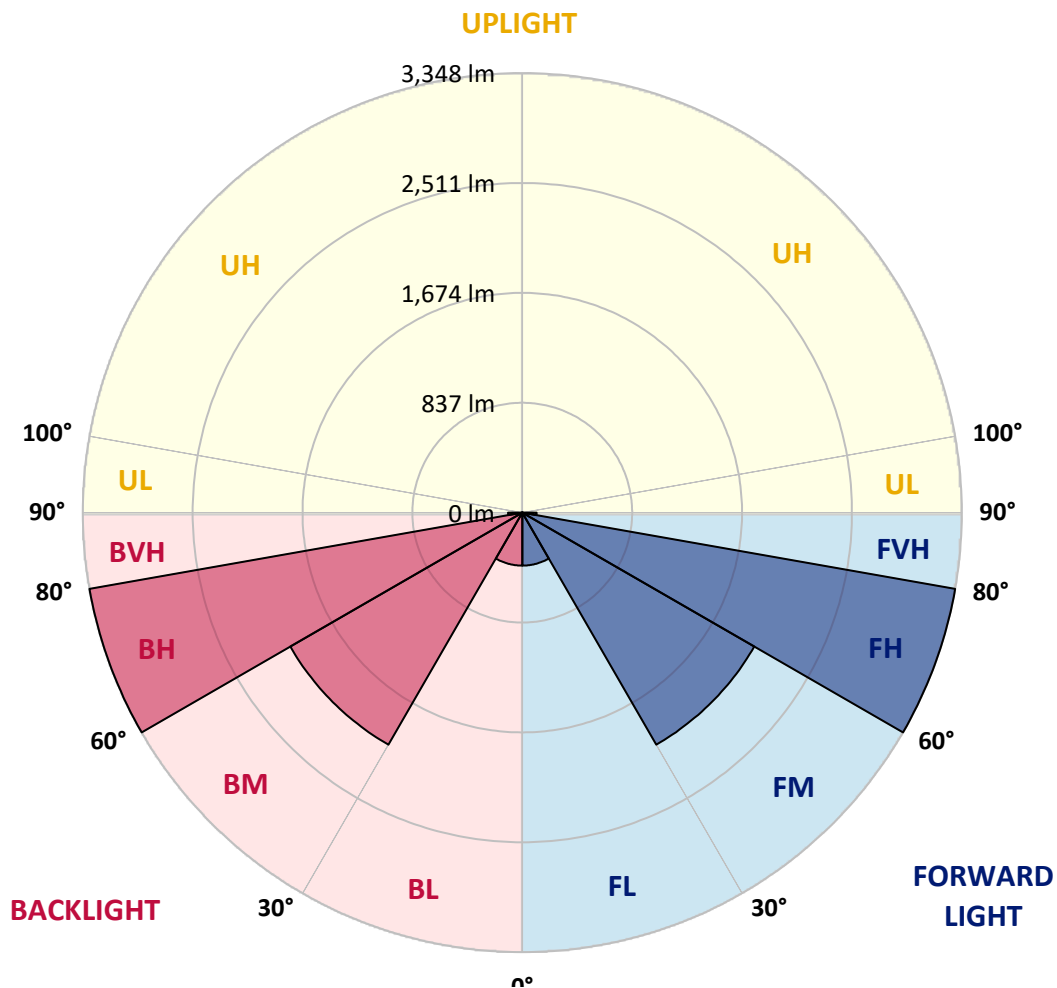
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	403.5	3.4			
FM (30°-60°)	2040.6	17.3			
FH (60°-80°)	3347.7	28.4			G2/5000
FVH (80°-90°)	109.1	0.9			G2/225
BL (0°-30°)	403.5	3.4	B1/500		
BM (30°-60°)	2040.6	17.3	B2/2500		
BH (60°-80°)	3347.7	28.4	B4/5000		G2/5000
BVH (80°-90°)	109.1	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°	971.2	971.2	971.2	971.2	971.2	971.2	971.2	971.2	971.2	971.2	971.2
2.5°	967.0	968.1	967.0	967.8	965.8	966.5	966.5	966.5	966.2	966.5	965.8
5°	958.4	959.2	957.6	958.4	957.2	958.4	958.7	958.4	957.6	958.0	956.4
7.5°	945.5	946.3	945.1	946.3	944.7	946.7	946.3	945.1	943.9	943.9	942.4
10°	938.5	938.8	935.7	934.6	931.0	931.9	933.0	934.2	935.4	937.7	937.3
12.5°	938.8	938.8	934.2	929.2	924.1	925.2	927.2	931.4	936.1	940.4	940.8
15°	942.8	942.4	935.4	927.2	923.6	927.2	928.3	931.0	938.5	945.9	946.3
17.5°	945.5	945.5	934.6	925.2	924.8	930.3	929.9	931.0	939.3	950.2	950.6
20°	950.6	950.6	936.6	926.3	926.3	932.3	932.6	934.6	942.8	954.9	956.9
22.5°	961.9	962.3	947.5	939.3	940.1	943.5	944.7	947.8	955.3	968.5	970.9
25°	977.9	978.7	963.4	958.7	961.5	968.1	967.4	969.7	977.9	990.8	993.1
27.5°	1000.2	998.2	984.2	982.2	985.0	989.7	989.3	989.7	996.2	1008.0	1010.7
30°	1029.0	1028.3	1018.1	1019.3	1018.1	1016.5	1017.0	1020.1	1023.6	1033.0	1035.7
32.5°	1057.2	1057.9	1051.7	1057.6	1066.1	1072.0	1063.0	1054.5	1050.5	1055.6	1057.9
35°	1107.9	1109.9	1100.1	1096.2	1107.9	1125.1	1099.7	1085.7	1093.5	1100.1	1102.1
37.5°	1194.2	1195.4	1178.9	1163.3	1154.8	1171.1	1145.8	1146.9	1174.2	1186.7	1186.4
40°	1292.6	1293.0	1282.0	1268.4	1253.5	1257.4	1247.2	1250.4	1268.4	1279.6	1282.8
42.5°	1409.7	1408.5	1391.3	1371.8	1367.5	1371.4	1354.2	1351.9	1372.5	1392.9	1393.3
45°	1561.6	1558.8	1536.6	1515.1	1494.4	1485.8	1481.5	1492.8	1521.3	1540.0	1540.4
47.5°	1725.1	1717.7	1705.9	1688.8	1670.8	1662.3	1655.2	1660.7	1681.4	1688.8	1689.6
50°	1893.3	1894.9	1897.3	1890.6	1884.0	1881.2	1862.9	1852.4	1858.6	1845.0	1843.0
52.5°	2092.9	2096.0	2118.6	2137.8	2149.1	2154.9	2120.2	2083.9	2063.6	2037.0	2029.2
55°	2328.3	2333.4	2366.5	2419.6	2474.3	2503.1	2440.3	2372.3	2309.5	2259.9	2243.9
57.5°	2590.6	2599.6	2645.2	2747.2	2859.1	2927.5	2821.3	2697.9	2576.6	2505.1	2492.6
60°	2898.2	2906.8	2970.1	3116.1	3297.6	3400.2	3239.4	3037.5	2886.5	2818.2	2795.2
62.5°	3264.4	3265.1	3342.8	3513.4	3753.2	3896.0	3678.2	3408.4	3252.7	3170.3	3148.1
65°	3658.3	3660.3	3740.7	3924.9	4172.8	4328.2	4082.2	3801.2	3610.7	3489.3	3472.1
67.5°	3936.6	3944.8	4029.5	4251.3	4483.2	4623.3	4368.7	4051.0	3830.8	3686.0	3671.5
70°	3892.1	3924.1	4023.7	4282.5	4605.0	4804.8	4415.2	4021.4	3730.9	3559.9	3547.8
72.5°	3394.4	3455.7	3588.4	3928.1	4443.7	4719.0	4161.9	3601.6	3272.9	3127.3	3105.5
75°	2311.5	2411.0	2611.2	3101.2	3796.5	4085.7	3503.7	2871.6	2562.5	2361.1	2346.2
77.5°	1030.6	1053.2	1307.0	1871.1	2619.9	2934.1	2545.7	1878.5	1410.0	1124.7	1064.6
80°	287.4	290.8	388.1	696.8	1311.3	1724.0	1407.7	732.0	411.5	290.1	273.3
82.5°	91.3	99.2	121.0	180.7	440.8	786.6	452.4	195.2	138.9	110.8	100.0
85°	44.5	44.2	61.2	73.4	112.4	174.1	119.9	90.6	79.3	52.7	47.6
87.5°	18.7	19.2	28.5	25.7	32.8	28.1	38.6	40.6	42.6	23.4	20.3
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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