

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: P386128

Luminaire Tested: **GWC-SA1D-730-U-5WQ**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P386128  
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-SA1D-730-U-5WQ  
Description: GALLEON WALL LUMINAIRE  
(1) 70 CRI, 3000K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE V WIDE OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7949 lumens  
Efficiency: N/A  
Efficacy: 118.6 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2

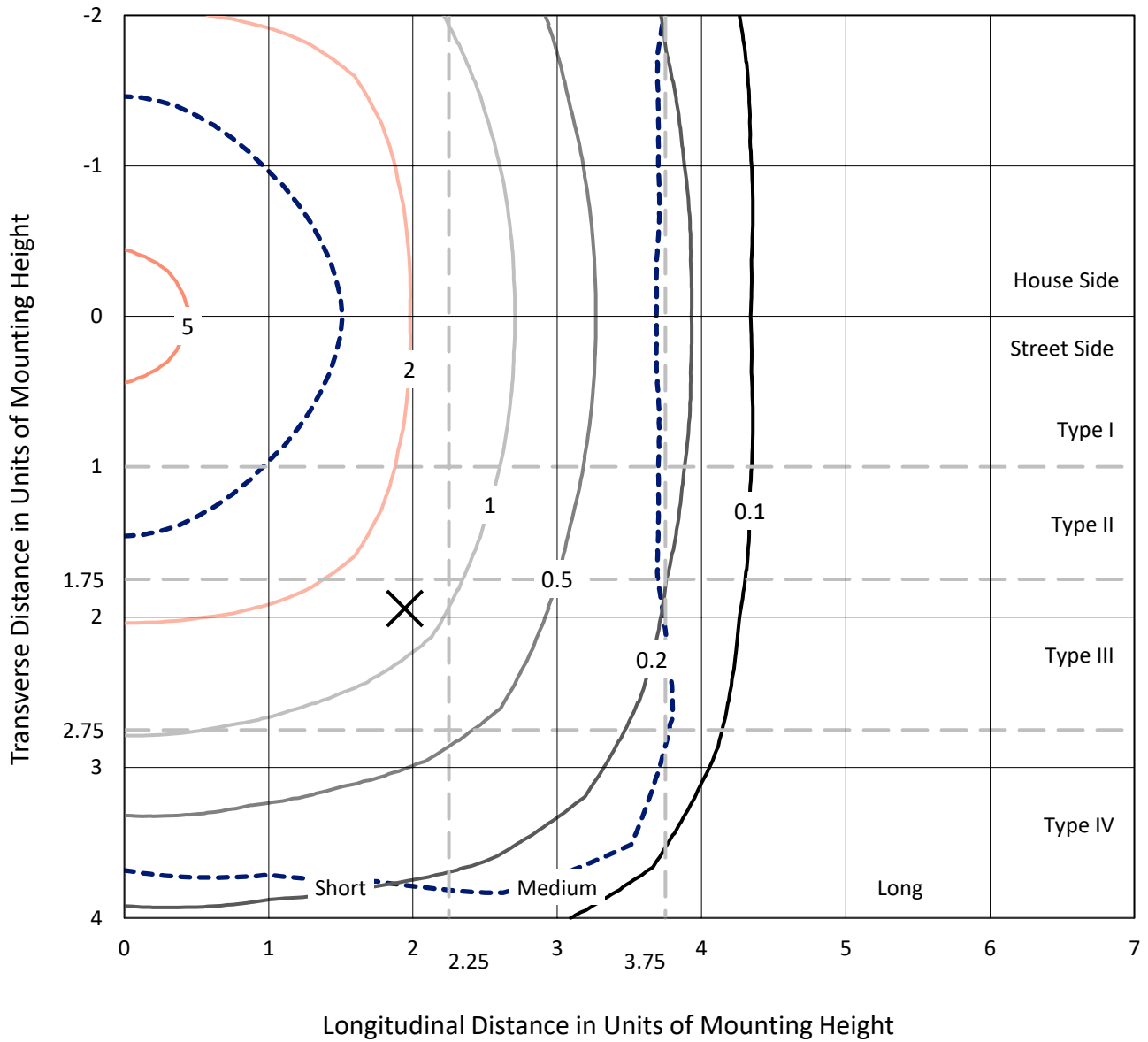
Input Watts (W): 67  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

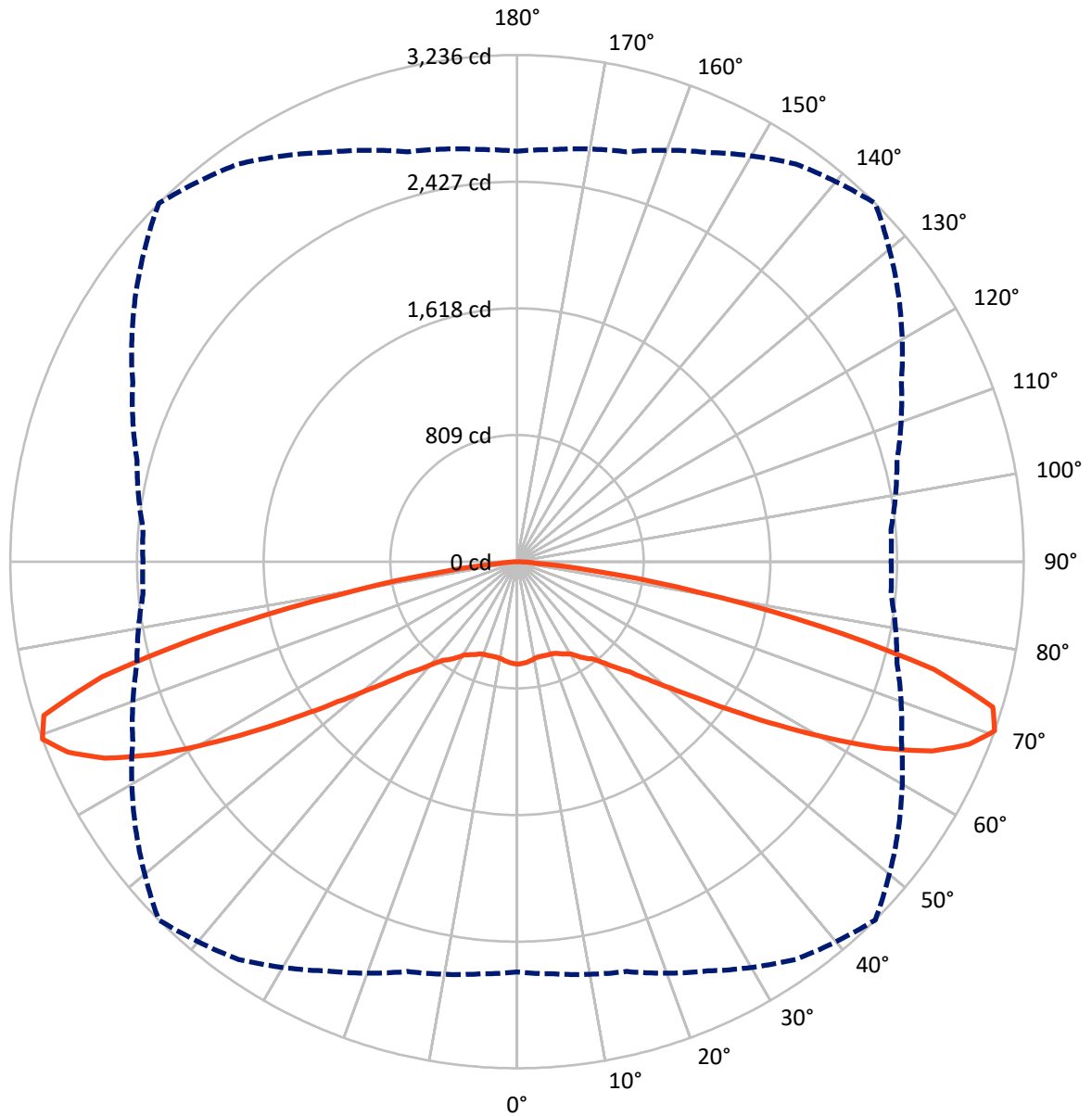
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 6.5 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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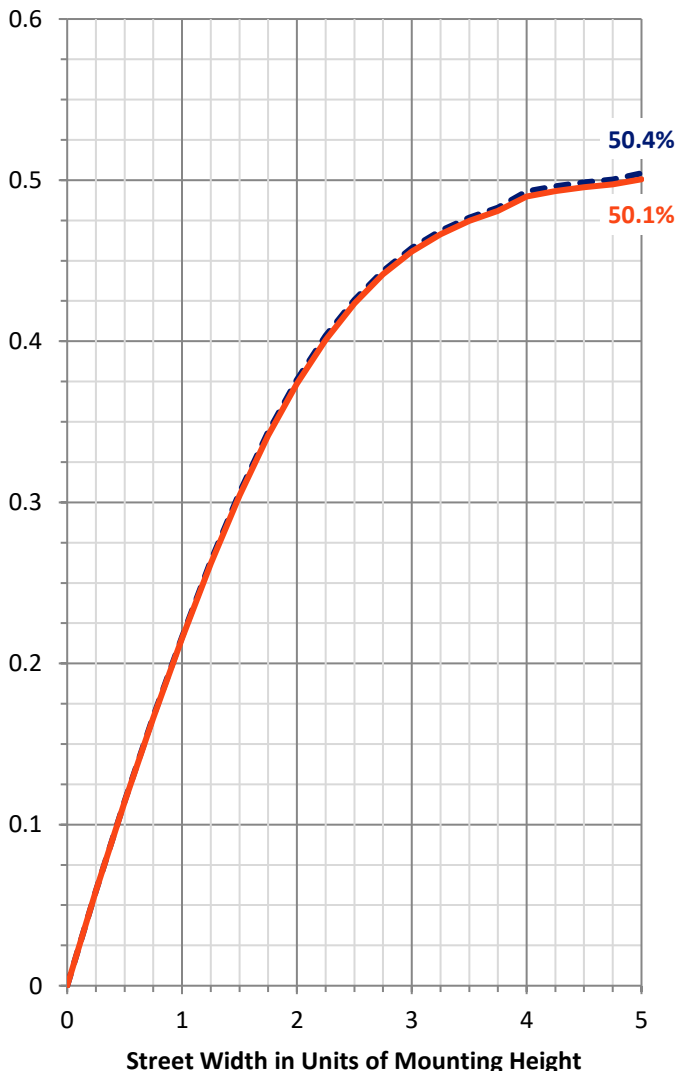
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3974.5	0.0	3974.5
	% Fixture	50.0	0.0	50.0
<b>Street Side</b>	Lumens	3974.5	0.0	3974.5
	% Fixture	50.0	0.0	50.0
<b>Total</b>	Lumens	7949.0	0.0	7949.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	61.1	0.8
10°-20°	178.4	2.2
20°-30°	304.1	3.8
30°-40°	475.1	6.0
40°-50°	805.3	10.1
50°-60°	1468.5	18.5
60°-70°	2528.1	31.8
70°-80°	1981.6	24.9
80°-90°	146.9	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°	7949.0	100.0
0°-180°	7949.0	100.0



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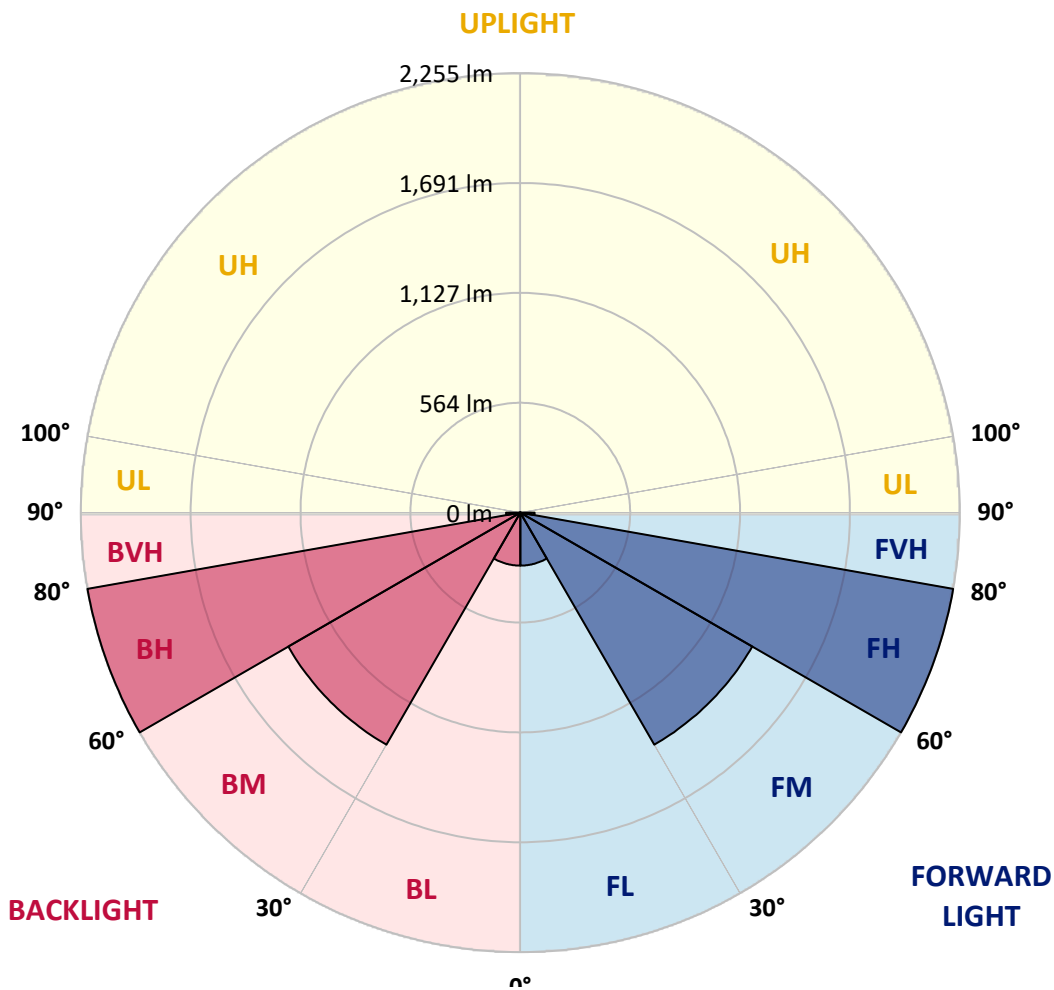
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	271.8	3.4			
FM (30°-60°)	1374.4	17.3			
FH (60°-80°)	2254.8	28.4			G2/5000
FVH (80°-90°)	73.5	0.9			G1/100
BL (0°-30°)	271.8	3.4	B1/500		
BM (30°-60°)	1374.4	17.3	B2/2500		
BH (60°-80°)	2254.8	28.4	B3/2500		G2/5000
BVH (80°-90°)	73.5	0.9			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G2**

Type V Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	654.2	654.2	654.2	654.2	654.2	654.2	654.2	654.2	654.2	654.2	654.2
2.5°	651.3	652.1	651.3	651.8	650.5	651.0	651.0	651.0	650.8	651.0	650.5
5°	645.5	646.1	645.0	645.5	644.7	645.5	645.8	645.5	645.0	645.3	644.2
7.5°	636.8	637.4	636.6	637.4	636.3	637.6	637.4	636.6	635.8	635.8	634.7
10°	632.1	632.4	630.3	629.5	627.1	627.6	628.4	629.2	630.0	631.6	631.3
12.5°	632.4	632.4	629.2	625.8	622.4	623.2	624.5	627.4	630.5	633.4	633.7
15°	635.0	634.7	630.0	624.5	622.1	624.5	625.3	627.1	632.1	637.1	637.4
17.5°	636.8	636.8	629.5	623.2	622.9	626.6	626.3	627.1	632.6	640.0	640.3
20°	640.3	640.3	630.8	624.0	624.0	627.9	628.2	629.5	635.0	643.2	644.5
22.5°	647.9	648.2	638.2	632.6	633.2	635.5	636.3	638.4	643.4	652.4	653.9
25°	658.7	659.2	648.9	645.8	647.6	652.1	651.6	653.2	658.7	667.4	668.9
27.5°	673.7	672.3	662.9	661.6	663.4	666.6	666.3	666.6	671.0	678.9	680.8
30°	693.1	692.6	685.8	686.5	685.8	684.7	685.0	687.1	689.4	695.7	697.6
32.5°	712.1	712.6	708.4	712.3	718.1	722.0	716.0	710.2	707.6	711.0	712.6
35°	746.2	747.5	741.0	738.3	746.2	757.8	740.7	731.2	736.5	741.0	742.3
37.5°	804.3	805.1	794.1	783.6	777.8	788.8	771.7	772.5	790.9	799.3	799.1
40°	870.6	870.9	863.5	854.3	844.3	846.9	840.1	842.2	854.3	861.9	864.0
42.5°	949.5	948.7	937.1	924.0	921.1	923.7	912.2	910.6	924.5	938.2	938.4
45°	1051.8	1049.9	1034.9	1020.5	1006.5	1000.8	997.9	1005.5	1024.7	1037.3	1037.6
47.5°	1161.9	1157.0	1149.1	1137.5	1125.4	1119.6	1114.9	1118.6	1132.5	1137.5	1138.0
50°	1275.3	1276.3	1277.9	1273.4	1269.0	1267.1	1254.8	1247.7	1251.9	1242.7	1241.4
52.5°	1409.6	1411.7	1427.0	1439.9	1447.5	1451.4	1428.0	1403.6	1389.9	1372.0	1366.8
55°	1568.2	1571.6	1594.0	1629.7	1666.5	1686.0	1643.7	1597.9	1555.6	1522.2	1511.4
57.5°	1744.9	1750.9	1781.7	1850.3	1925.8	1971.8	1900.3	1817.2	1735.4	1687.3	1678.9
60°	1952.1	1957.9	2000.5	2098.8	2221.1	2290.2	2181.9	2046.0	1944.2	1898.2	1882.7
62.5°	2198.7	2199.3	2251.6	2366.5	2527.9	2624.2	2477.5	2295.8	2190.8	2135.4	2120.4
65°	2464.0	2465.4	2519.5	2643.6	2810.6	2915.3	2749.6	2560.3	2432.0	2350.2	2338.6
67.5°	2651.5	2657.0	2714.1	2863.5	3019.6	3114.0	2942.6	2728.6	2580.3	2482.7	2473.0
70°	2621.5	2643.1	2710.2	2884.5	3101.7	3236.3	2973.9	2708.6	2513.0	2397.8	2389.6
72.5°	2286.3	2327.6	2417.0	2645.7	2993.1	3178.5	2803.2	2425.9	2204.5	2106.4	2091.7
75°	1556.9	1623.9	1758.8	2088.8	2557.1	2752.0	2359.9	1934.2	1726.0	1590.3	1580.3
77.5°	694.2	709.4	880.3	1260.3	1764.6	1976.3	1714.7	1265.3	949.8	757.5	717.0
80°	193.5	195.9	261.4	469.4	883.2	1161.2	948.2	493.0	277.1	195.4	184.1
82.5°	61.5	66.8	81.5	121.7	296.9	529.8	304.8	131.5	93.6	74.7	67.3
85°	30.0	29.7	41.3	49.4	75.7	117.3	80.7	61.0	53.4	35.5	32.1
87.5°	12.6	12.9	19.2	17.4	22.1	18.9	26.0	27.3	28.7	15.8	13.7
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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