

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: P385903

Luminaire Tested: **GWC-SA1C-730-U-5NQ**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P385903
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-730-U-5NQ
Description: GALLEON WALL LUMINAIRE
(1) 70 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: 7097 lumens
Efficiency: N/A
Efficacy: 120.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G1

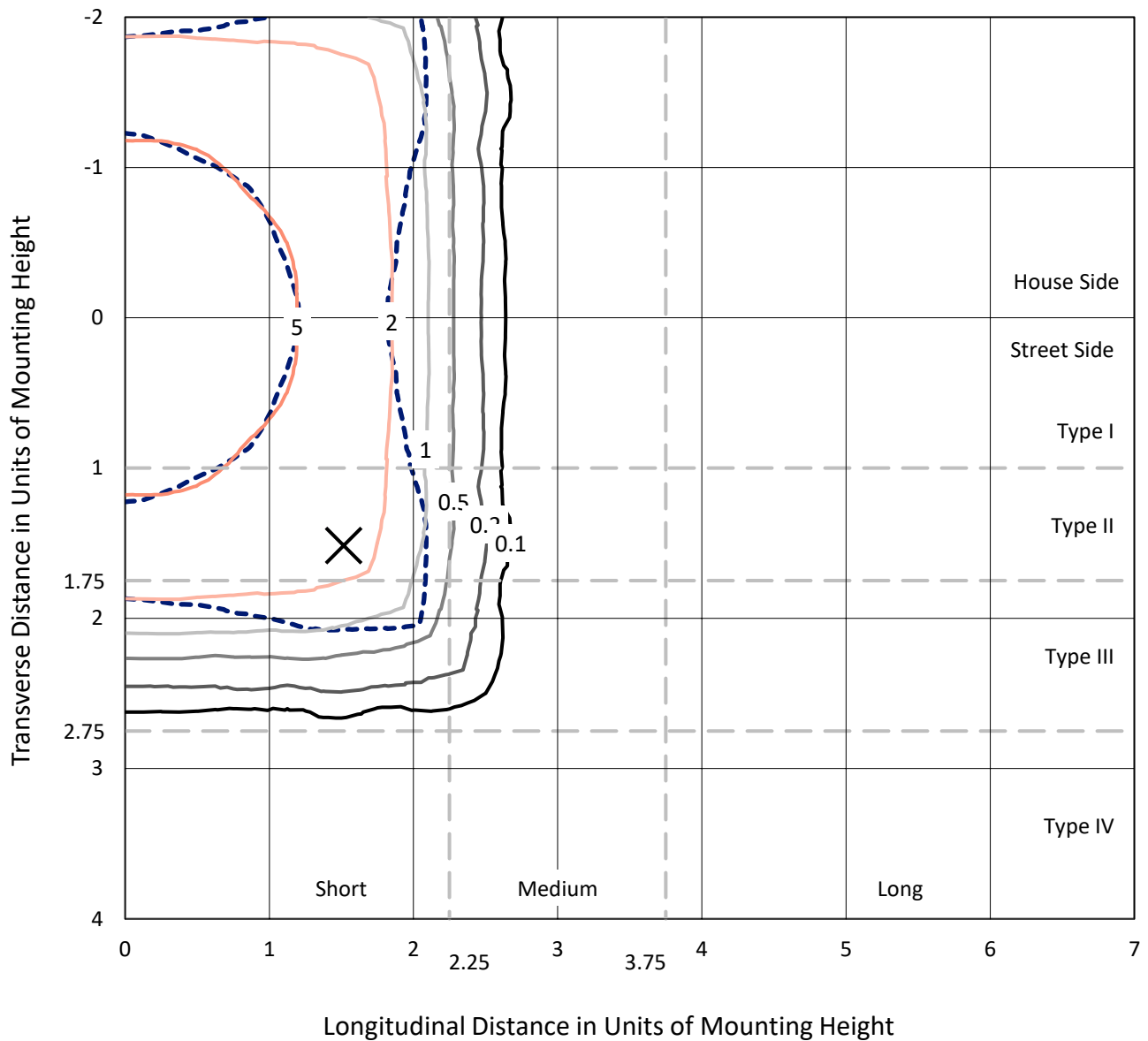
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

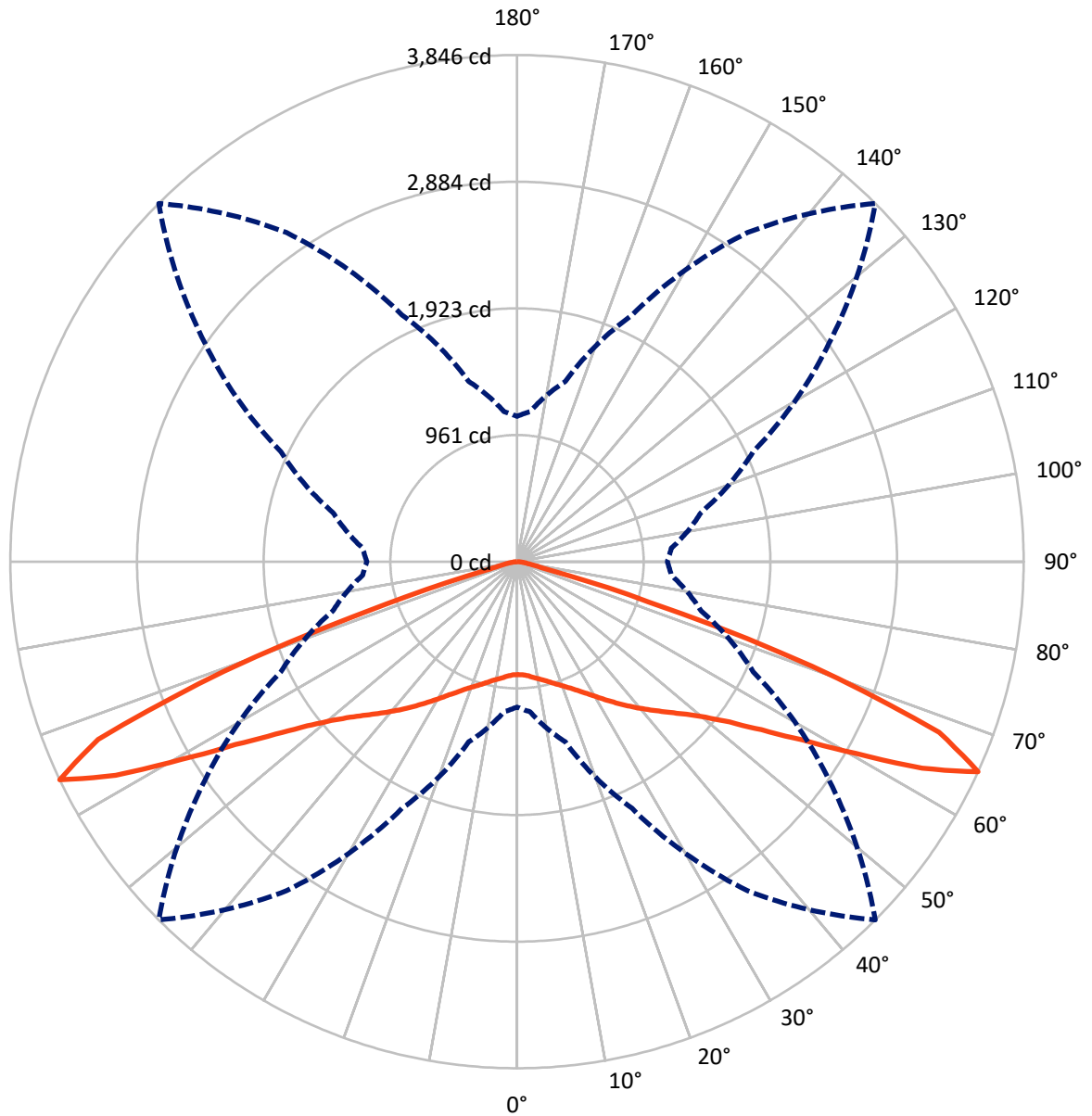
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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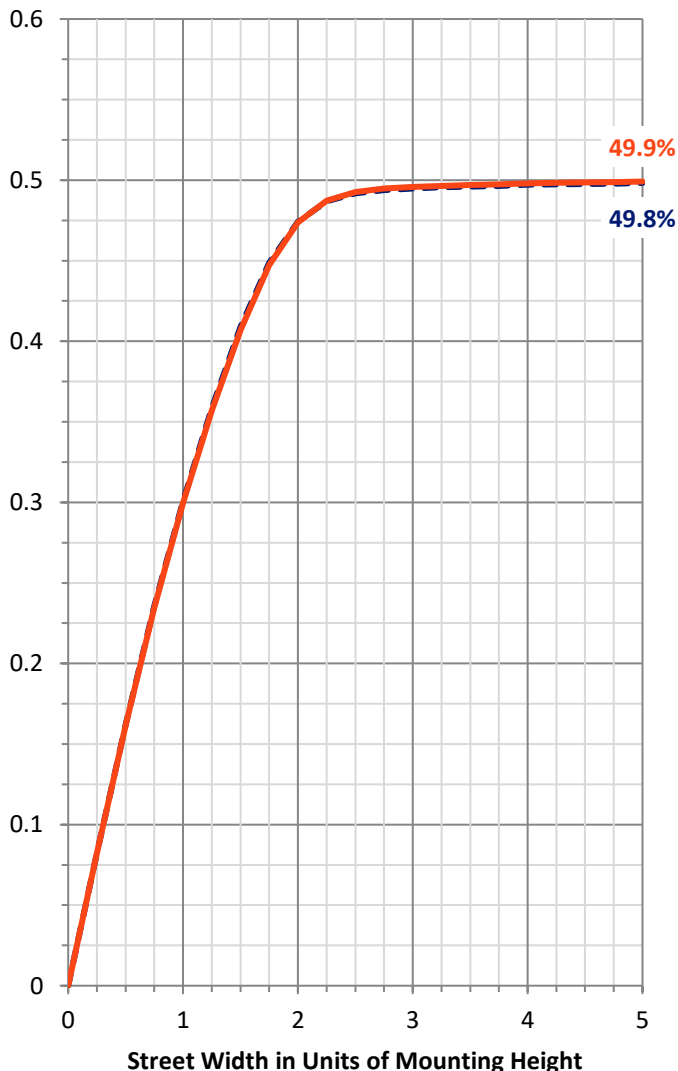
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3548.5	0.0	3548.5
	% Fixture	50.0	0.0	50.0
Street Side	Lumens	3548.5	0.0	3548.5
	% Fixture	50.0	0.0	50.0
Total	Lumens	7097.0	0.0	7097.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	84.1	1.2
10°-20°	270.3	3.8
20°-30°	507.1	7.1
30°-40°	838.6	11.8
40°-50°	1298.9	18.3
50°-60°	1992.2	28.1
60°-70°	1859.0	26.2
70°-80°	216.4	3.0
80°-90°	30.4	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°	7097.0	100.0
0°-180°	7097.0	100.0

Coefficient of Utilization



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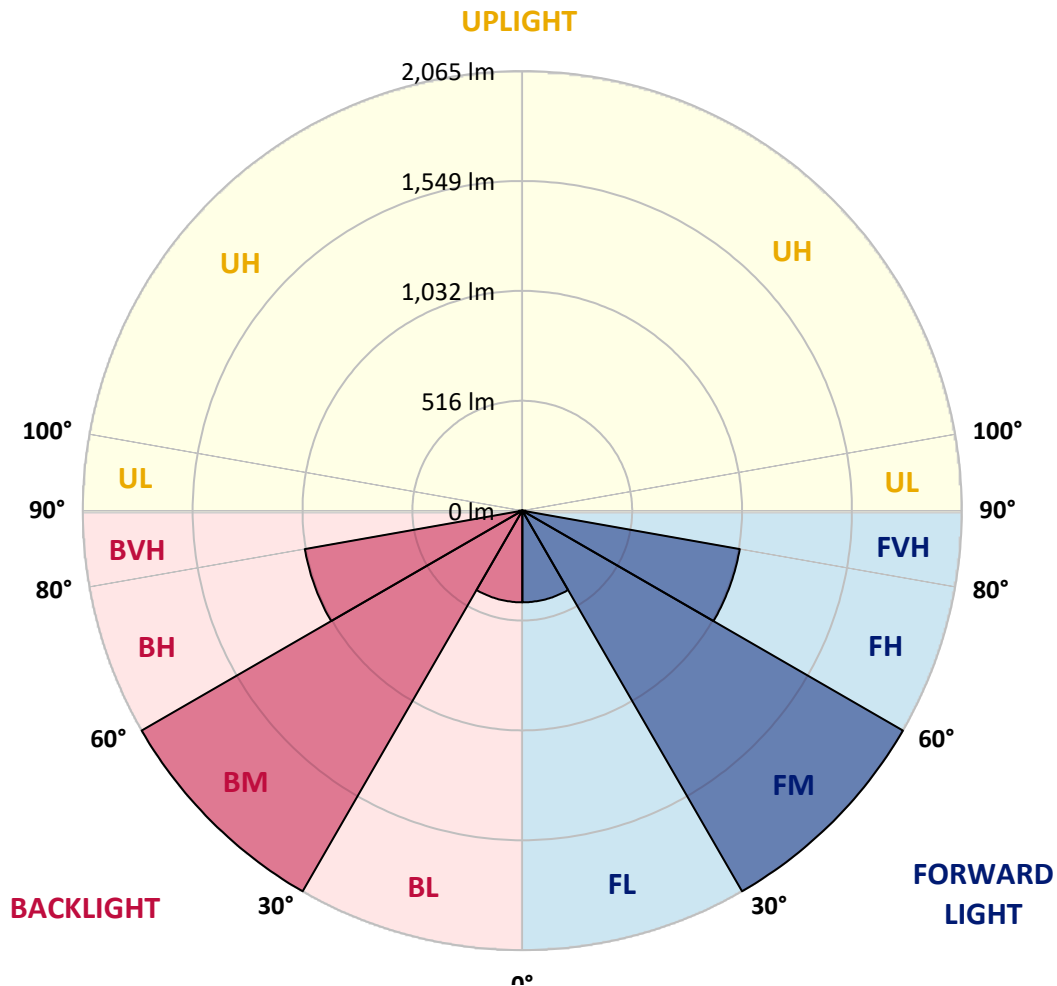
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	430.7	6.1			
FM (30°-60°)	2064.9	29.1			
FH (60°-80°)	1037.7	14.6			G1/1800
FVH (80°-90°)	15.2	0.2			G1/100
BL (0°-30°)	430.7	6.1	B1/500		
BM (30°-60°)	2064.9	29.1	B2/2500		
BH (60°-80°)	1037.7	14.6	B3/2500		G1/1800
BVH (80°-90°)	15.2	0.2			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G1

Type V Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1	857.1
2.5°	859.9	859.4	859.9	860.1	858.7	859.4	859.2	860.4	860.8	860.4	860.4
5°	869.8	869.1	870.0	871.2	869.3	869.8	869.1	870.5	871.0	870.0	870.7
7.5°	883.4	883.7	884.6	886.7	885.6	886.5	885.1	885.3	885.1	883.7	883.9
10°	898.3	898.5	900.2	903.0	903.5	903.5	902.5	901.8	900.9	899.9	900.2
12.5°	916.2	917.4	918.5	922.1	922.1	924.0	923.5	921.6	920.0	918.5	918.5
15°	940.4	940.2	941.6	945.2	946.8	949.9	949.9	947.3	945.2	943.7	943.3
17.5°	965.9	966.6	967.5	971.8	974.4	977.9	978.4	976.3	974.8	973.0	971.8
20°	995.6	996.8	1000.5	1002.2	1004.5	1007.8	1009.0	1008.5	1007.1	1006.2	1006.4
22.5°	1030.2	1033.3	1035.6	1038.0	1040.8	1043.2	1044.3	1046.0	1044.6	1043.9	1043.4
25°	1072.1	1074.3	1079.0	1083.2	1085.1	1085.8	1087.2	1089.6	1089.3	1087.7	1087.7
27.5°	1119.7	1123.7	1129.6	1135.7	1135.7	1133.4	1138.1	1142.1	1140.7	1138.6	1135.7
30°	1177.4	1181.2	1188.0	1196.5	1192.3	1190.6	1197.0	1204.3	1202.2	1198.6	1198.2
32.5°	1239.6	1243.2	1252.1	1261.3	1255.9	1253.5	1260.4	1271.0	1267.2	1260.1	1255.9
35°	1307.0	1310.6	1323.3	1334.3	1325.2	1321.2	1326.8	1338.3	1331.8	1318.6	1315.3
37.5°	1380.3	1382.2	1398.7	1410.0	1403.6	1393.0	1400.1	1408.6	1402.9	1386.9	1380.5
40°	1456.4	1463.2	1482.3	1495.5	1484.4	1467.7	1479.5	1491.2	1482.8	1462.3	1451.4
42.5°	1545.2	1550.4	1575.8	1587.6	1569.7	1546.1	1562.2	1578.2	1569.7	1549.9	1540.5
45°	1637.5	1645.6	1675.9	1687.7	1661.8	1631.9	1651.4	1679.5	1678.8	1650.3	1640.4
47.5°	1738.1	1746.1	1782.4	1798.0	1769.9	1729.9	1757.5	1797.0	1794.2	1762.9	1754.9
50°	1854.3	1862.8	1908.0	1927.5	1901.4	1854.7	1896.2	1931.1	1925.9	1887.3	1888.0
52.5°	2000.1	1999.6	2055.9	2089.9	2063.0	2021.8	2059.9	2093.9	2072.4	2019.0	2017.3
55°	2127.8	2135.6	2205.3	2269.6	2268.0	2252.2	2267.5	2268.9	2207.7	2136.5	2127.8
57.5°	2211.7	2226.5	2324.7	2441.1	2528.3	2549.2	2519.6	2429.6	2286.1	2172.3	2158.4
60°	2160.1	2182.7	2337.0	2574.2	2831.0	2954.2	2786.7	2507.6	2225.1	2066.5	2047.7
62.5°	1811.9	1850.0	2076.0	2509.9	3091.6	3451.8	2980.4	2382.5	1982.4	1764.0	1731.8
65°	1103.5	1143.8	1416.1	2065.8	3049.4	3845.7	2892.0	1977.5	1447.0	1175.3	1140.5
67.5°	367.7	379.5	540.0	1141.9	2396.6	3455.3	2400.6	1183.8	629.7	417.5	405.2
70°	143.9	145.1	171.3	331.0	1131.7	2373.3	1248.8	336.9	179.0	141.6	144.6
72.5°	105.8	106.2	113.6	138.3	295.0	1045.5	305.6	139.0	110.5	99.2	99.2
75°	85.0	85.0	90.2	100.8	132.2	239.8	134.0	99.7	86.5	79.2	78.2
77.5°	67.1	68.6	72.6	79.4	89.5	115.4	92.8	78.9	69.7	62.9	61.5
80°	49.9	51.4	58.0	61.3	64.3	80.1	68.6	61.7	55.1	47.1	45.7
82.5°	32.7	34.2	42.4	44.3	43.6	52.3	46.2	45.5	40.5	30.4	29.0
85°	21.4	21.9	28.3	29.4	27.1	23.8	29.4	31.1	28.3	19.8	19.1
87.5°	10.1	10.1	14.4	13.4	12.3	9.9	13.4	15.8	16.0	9.7	9.4
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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