

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: P948674

Luminaire Tested: **GALN-SB3C-930-U-5NQ**

Issue Date: 1/21/2025

**Test Information**

Test Method: LM-79-08  
Report Number: P948674  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-18)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: MCGRAW-EDISON  
Catalog Number: GALN-SB3C-930-U-5NQ  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 90 CRI, 3000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE V NARROW OPTICS  
Light Source: -  
Ballast/Driver: -

**Summary**

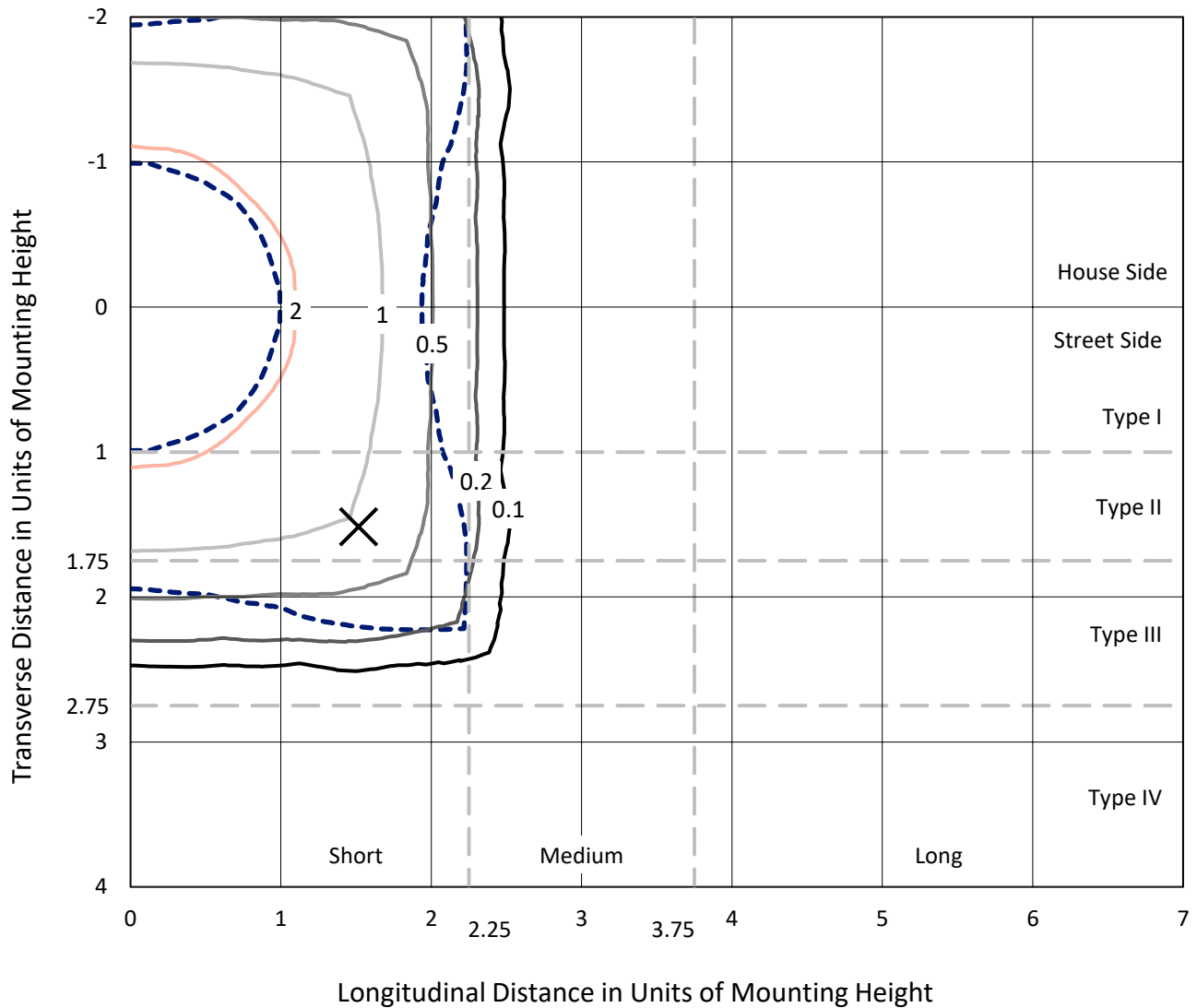
Lumens per Lamp: N/A  
Luminaire Lumens: 16380 lumens  
Efficiency: N/A  
Efficacy: 109.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type V - Short  
BUG Rating: B3 - U0 - G2  
  
Input Watts (W): 149.1  
Input Voltage (V): NR  
Input Current (Ain): NR  
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

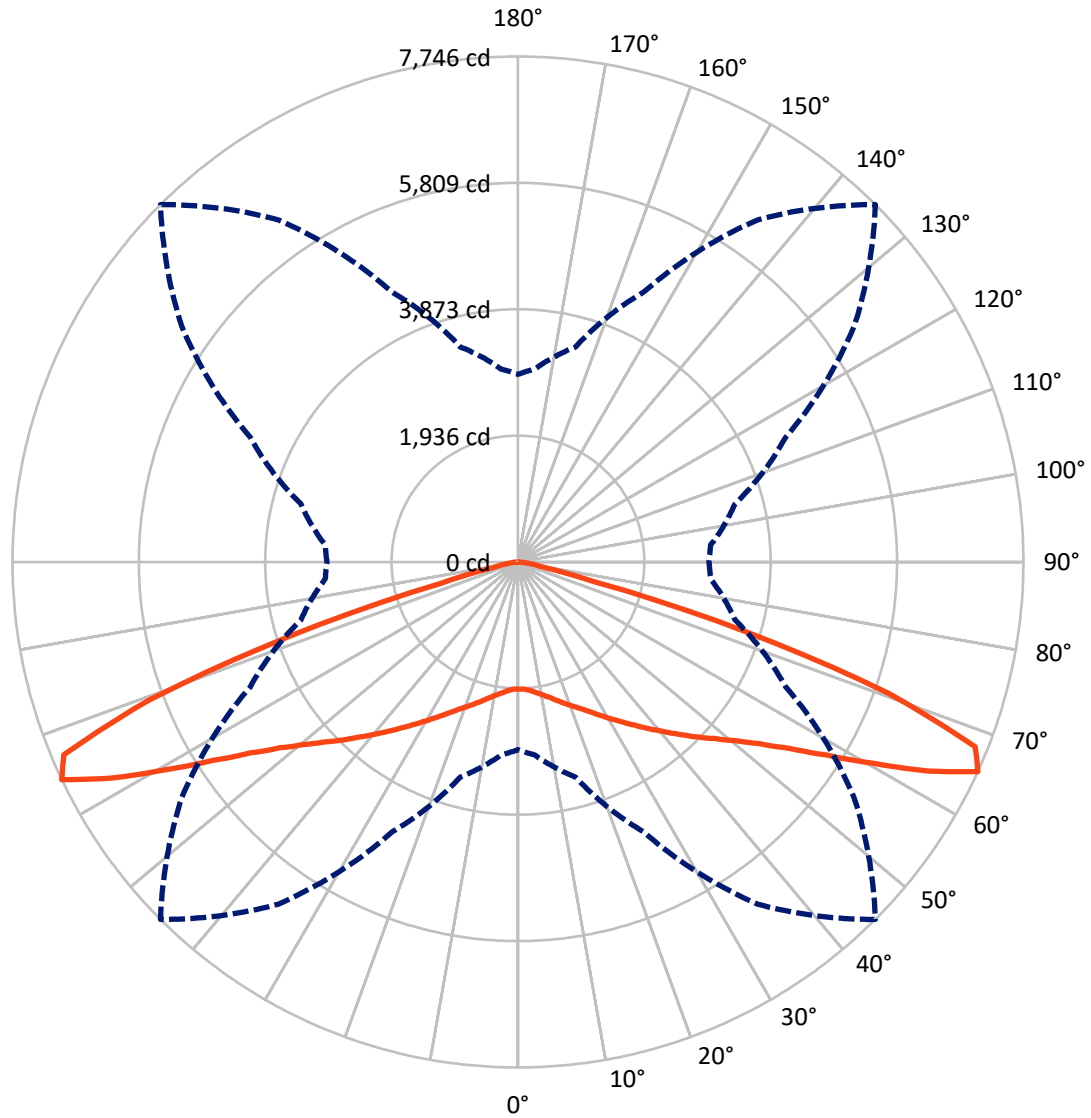
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.2 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    | 8190.0   | 0.0    | 8190.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 8190.0   | 0.0    | 8190.0  |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 16380.0  | 0.0    | 16380.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 192.4   | 1.2       |
| 10°-20°   | 627.8   | 3.8       |
| 20°-30°   | 1185.3  | 7.2       |
| 30°-40°   | 1940.9  | 11.8      |
| 40°-50°   | 3009.4  | 18.4      |
| 50°-60°   | 4445.4  | 27.1      |
| 60°-70°   | 4231.7  | 25.8      |
| 70°-80°   | 682.8   | 4.2       |
| 80°-90°   | 64.4    | 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°    | 16380.0 | 100.0     |
| 0°-180°   | 16380.0 | 100.0     |

**Coefficient of Utilization**



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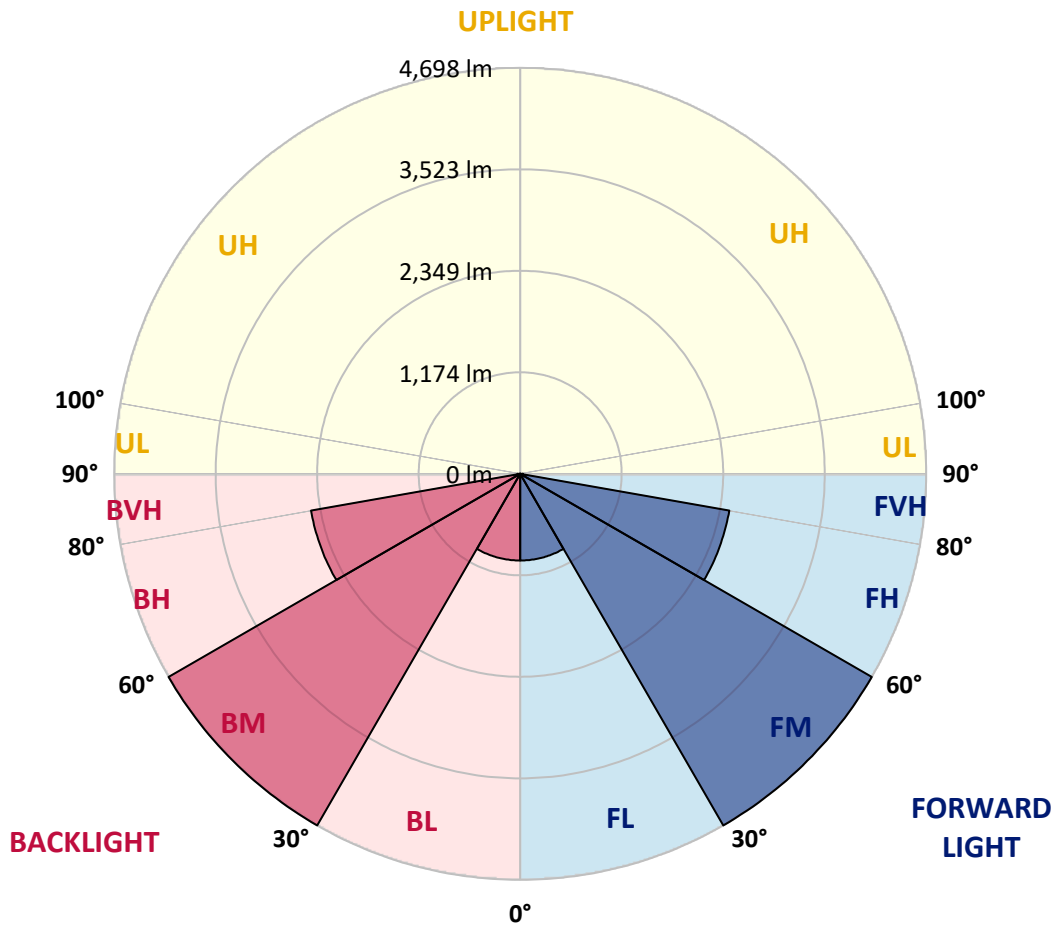
CATALOG NUMBER: GALN-SB3C-930-U-5NQ

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

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 1002.7 | 6.1       |                         |      |         |
| FM (30°-60°)   | 4697.8 | 28.7      |                         |      |         |
| FH (60°-80°)   | 2457.2 | 15.0      |                         |      | G2/5000 |
| FVH (80°-90°)  | 32.2   | 0.2       |                         |      | G1/100  |
| BL (0°-30°)    | 1002.7 | 6.1       | B3/2500                 |      |         |
| BM (30°-60°)   | 4697.8 | 28.7      | B3/5000                 |      |         |
| BH (60°-80°)   | 2457.2 | 15.0      | B3/2500                 |      | G2/5000 |
| BVH (80°-90°)  | 32.2   | 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-G2**

Type V Short



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°    | 65°    | 75°    | 85°    |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 | 1949.4 |
| 2.5°  | 1962.5 | 1956.0 | 1960.9 | 1956.8 | 1953.5 | 1950.2 | 1951.8 | 1957.6 | 1960.1 | 1960.9 |
| 5°    | 1988.8 | 1983.1 | 1985.5 | 1985.5 | 1979.8 | 1978.1 | 1979.0 | 1983.1 | 1988.0 | 1988.0 |
| 7.5°  | 2031.6 | 2025.8 | 2031.6 | 2028.3 | 2023.3 | 2021.7 | 2020.9 | 2024.2 | 2031.6 | 2031.6 |
| 10°   | 2083.3 | 2076.8 | 2080.1 | 2078.4 | 2072.7 | 2070.2 | 2069.4 | 2074.3 | 2080.9 | 2080.1 |
| 12.5° | 2140.0 | 2132.7 | 2136.8 | 2131.8 | 2130.2 | 2127.7 | 2127.7 | 2126.9 | 2131.0 | 2127.7 |
| 15°   | 2203.3 | 2198.4 | 2200.0 | 2196.8 | 2199.2 | 2197.6 | 2191.0 | 2187.7 | 2189.4 | 2184.4 |
| 17.5° | 2278.1 | 2266.6 | 2272.4 | 2270.7 | 2270.7 | 2274.0 | 2263.3 | 2259.2 | 2262.5 | 2257.6 |
| 20°   | 2364.4 | 2352.9 | 2355.4 | 2352.1 | 2348.0 | 2351.3 | 2338.1 | 2341.4 | 2343.9 | 2340.6 |
| 22.5° | 2458.9 | 2444.1 | 2443.3 | 2444.9 | 2435.9 | 2436.7 | 2427.7 | 2435.9 | 2440.8 | 2431.8 |
| 25°   | 2555.9 | 2540.3 | 2551.0 | 2546.9 | 2535.3 | 2537.8 | 2531.2 | 2539.5 | 2543.6 | 2532.1 |
| 27.5° | 2658.6 | 2647.9 | 2657.8 | 2660.3 | 2646.3 | 2656.2 | 2646.3 | 2653.7 | 2657.8 | 2640.5 |
| 30°   | 2778.6 | 2767.9 | 2777.0 | 2783.5 | 2767.1 | 2782.7 | 2774.5 | 2779.4 | 2780.3 | 2759.7 |
| 32.5° | 2909.3 | 2892.8 | 2915.9 | 2919.1 | 2901.1 | 2920.0 | 2909.3 | 2915.9 | 2920.0 | 2892.0 |
| 35°   | 3068.7 | 3048.2 | 3074.5 | 3070.4 | 3054.7 | 3070.4 | 3060.5 | 3070.4 | 3080.2 | 3046.5 |
| 37.5° | 3240.5 | 3219.1 | 3247.1 | 3239.7 | 3224.9 | 3235.5 | 3229.8 | 3236.4 | 3252.0 | 3215.8 |
| 40°   | 3429.5 | 3403.2 | 3441.0 | 3427.9 | 3413.9 | 3412.2 | 3415.5 | 3419.6 | 3440.2 | 3399.9 |
| 42.5° | 3631.7 | 3603.7 | 3660.4 | 3639.9 | 3620.2 | 3607.0 | 3617.7 | 3625.9 | 3645.6 | 3600.4 |
| 45°   | 3862.6 | 3830.6 | 3904.5 | 3879.9 | 3848.6 | 3821.5 | 3838.8 | 3851.1 | 3879.9 | 3825.6 |
| 47.5° | 4117.4 | 4081.2 | 4160.1 | 4152.7 | 4101.8 | 4042.6 | 4082.0 | 4117.4 | 4138.7 | 4073.0 |
| 50°   | 4366.4 | 4338.4 | 4442.0 | 4451.0 | 4388.6 | 4305.6 | 4360.6 | 4414.1 | 4419.8 | 4333.5 |
| 52.5° | 4599.8 | 4571.8 | 4722.2 | 4778.9 | 4723.1 | 4624.4 | 4682.8 | 4737.0 | 4693.5 | 4581.7 |
| 55°   | 4786.3 | 4763.3 | 4954.8 | 5101.1 | 5120.0 | 5038.6 | 5073.2 | 5071.5 | 4928.5 | 4756.8 |
| 57.5° | 4831.5 | 4828.3 | 5069.9 | 5379.7 | 5576.9 | 5586.8 | 5518.6 | 5344.4 | 5036.2 | 4805.2 |
| 60°   | 4626.1 | 4646.6 | 4978.7 | 5525.2 | 6051.1 | 6269.8 | 5974.7 | 5477.5 | 4913.7 | 4593.2 |
| 62.5° | 4011.4 | 4065.6 | 4465.8 | 5347.7 | 6434.1 | 7055.4 | 6340.4 | 5275.3 | 4410.8 | 3992.5 |
| 65°   | 2874.8 | 2969.3 | 3411.4 | 4563.6 | 6399.6 | 7745.8 | 6287.8 | 4526.6 | 3444.3 | 2961.9 |
| 67.5° | 1304.2 | 1400.4 | 1776.0 | 3124.6 | 5563.0 | 7558.4 | 5549.8 | 3157.5 | 1864.7 | 1405.3 |
| 70°   | 472.6  | 489.0  | 609.8  | 1250.8 | 3555.2 | 6022.4 | 3707.3 | 1259.9 | 648.4  | 521.0  |
| 72.5° | 286.0  | 288.5  | 313.9  | 447.9  | 1235.2 | 3656.3 | 1287.8 | 462.7  | 320.5  | 284.4  |
| 75°   | 181.6  | 180.0  | 223.5  | 273.7  | 438.0  | 1233.6 | 459.4  | 273.7  | 222.7  | 203.0  |
| 77.5° | 130.7  | 134.8  | 160.3  | 204.6  | 276.1  | 418.3  | 271.2  | 195.6  | 160.3  | 131.5  |
| 80°   | 97.8   | 100.3  | 116.7  | 159.4  | 194.0  | 260.5  | 172.6  | 144.6  | 120.8  | 82.2   |
| 82.5° | 70.7   | 70.7   | 76.4   | 115.9  | 118.3  | 140.5  | 93.7   | 101.9  | 79.7   | 58.4   |
| 85°   | 41.9   | 41.1   | 47.7   | 69.0   | 61.6   | 51.8   | 42.7   | 62.5   | 50.1   | 36.2   |
| 87.5° | 14.8   | 15.6   | 14.8   | 19.7   | 16.4   | 14.0   | 13.1   | 17.3   | 14.0   | 12.3   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |

(END C

| 90°    |
|--------|
| 1949.4 |
| 1960.9 |
| 1988.0 |
| 2029.1 |
| 2078.4 |
| 2129.4 |
| 2185.2 |
| 2261.7 |
| 2348.0 |
| 2440.8 |
| 2545.2 |
| 2653.7 |
| 2772.0 |
| 2910.9 |
| 3067.1 |
| 3238.0 |
| 3413.1 |
| 3624.3 |
| 3853.6 |
| 4095.2 |
| 4344.2 |
| 4585.0 |
| 4762.5 |
| 4790.5 |
| 4555.4 |
| 3967.8 |
| 2926.5 |
| 1384.8 |
| 514.5  |
| 289.3  |
| 204.6  |
| 134.0  |
| 84.6   |
| 58.4   |
| 35.3   |
| 11.5   |
| 0.0    |

OF REPORT)