

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: P942613

Luminaire Tested: **GALN-SB6C-950-U-T1**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P942613
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2405-108-2)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: MCGRAW-EDISON
Catalog Number: GALN-SB6C-950-U-T1
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE
(6) 90 CRI, 5000K, 615mA LIGHTSQUARES WITH 26 LEDS EACH AND TYPE I OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 31253 lumens
Efficiency: N/A
Efficacy: 103.9 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type I - Short
BUG Rating: B5 - U0 - G5

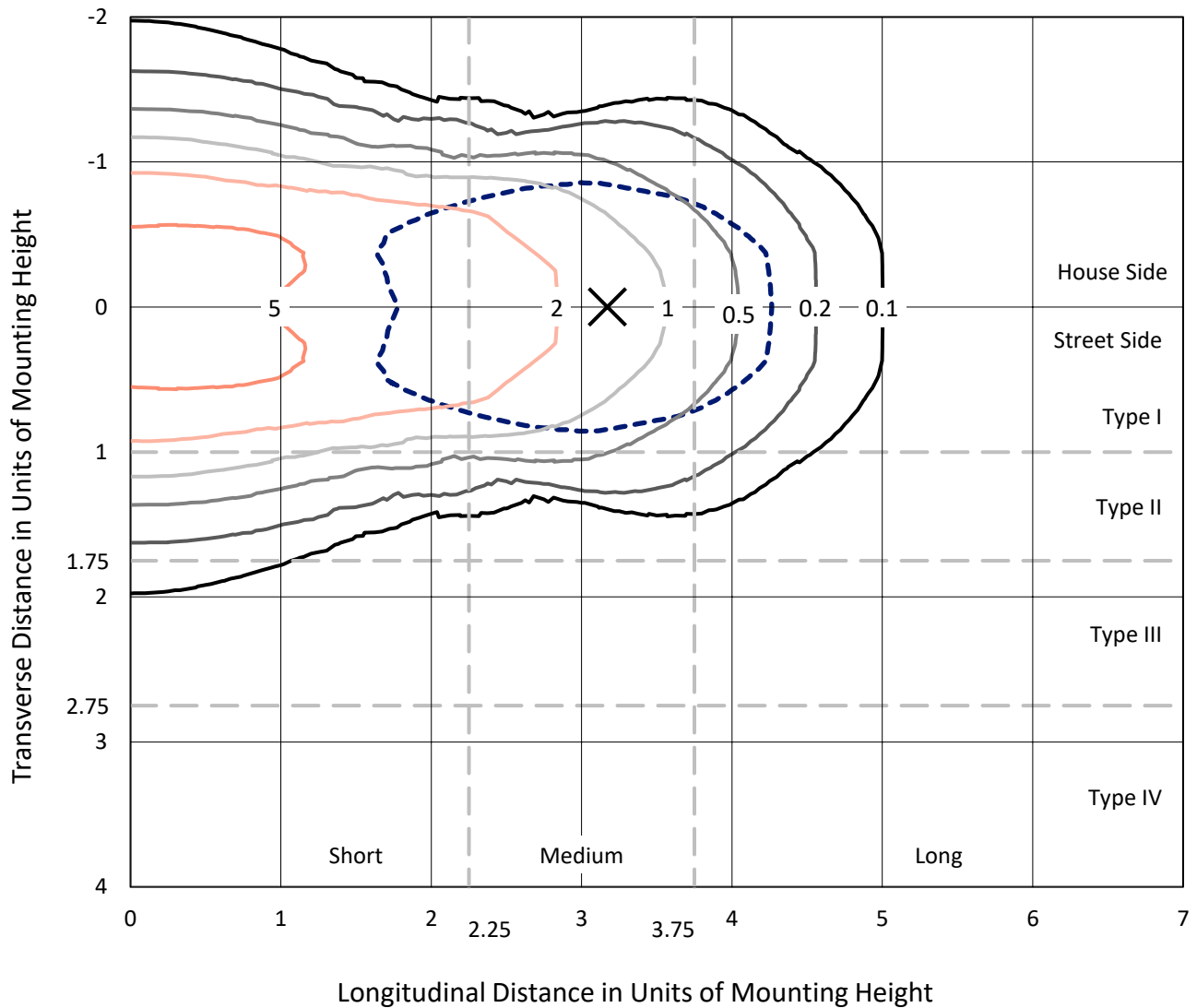
Input Watts (W): 300.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

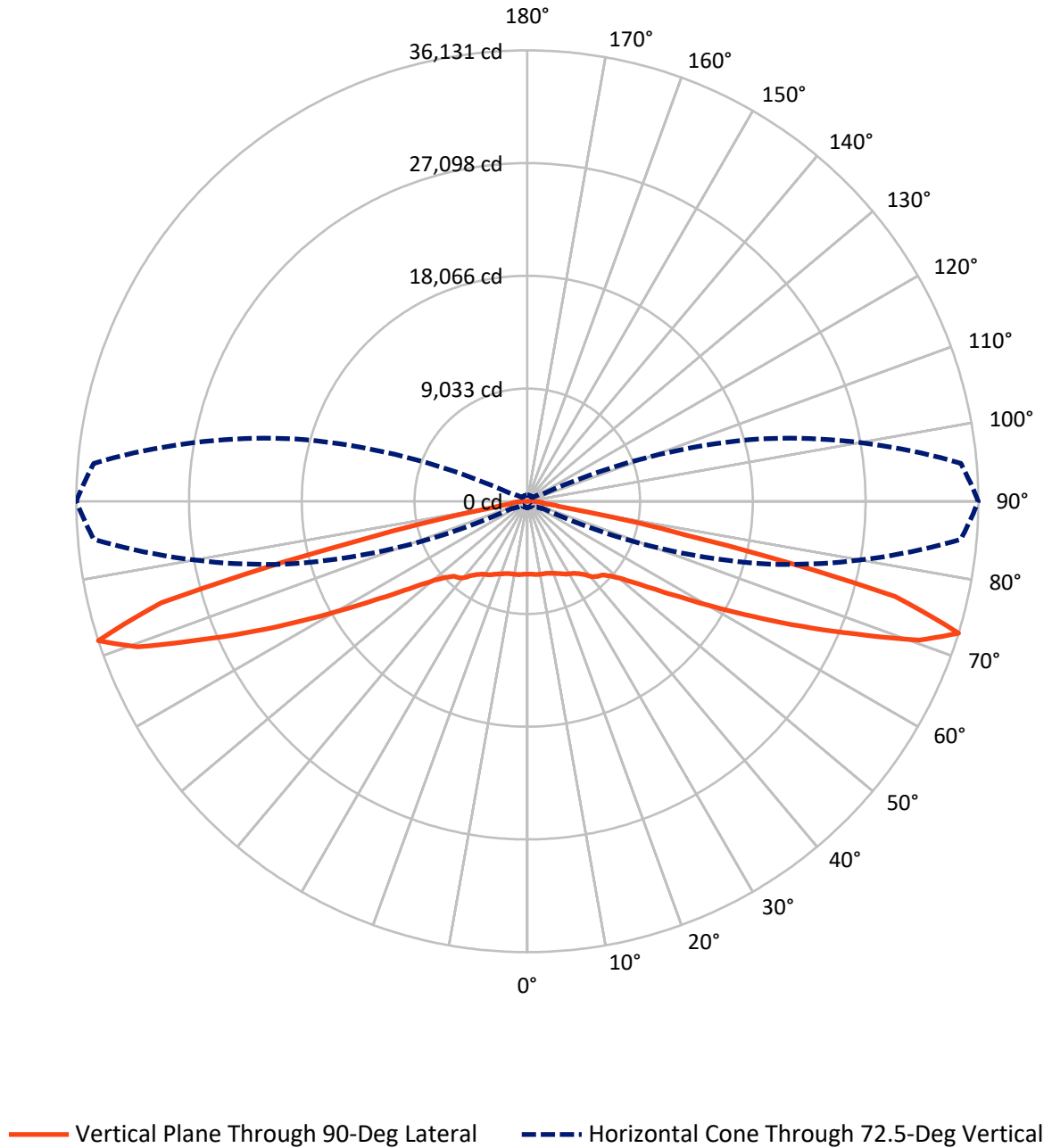
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.3 fc
 Type I - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 15626.5 | 0.0 | 15626.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 15626.5 | 0.0 | 15626.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 31253.0 | 0.0 | 31253.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 566.3 | 1.8 |
| 10°-20° | 1731.4 | 5.5 |
| 20°-30° | 2886.9 | 9.2 |
| 30°-40° | 3970.4 | 12.7 |
| 40°-50° | 4848.9 | 15.5 |
| 50°-60° | 5608.3 | 17.9 |
| 60°-70° | 6687.0 | 21.4 |
| 70°-80° | 4667.1 | 14.9 |
| 80°-90° | 286.7 | 0.9 |
| 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° | 31253.0 | 100.0 |
| 0°-180° | 31253.0 | 100.0 |

Coefficient of Utilization



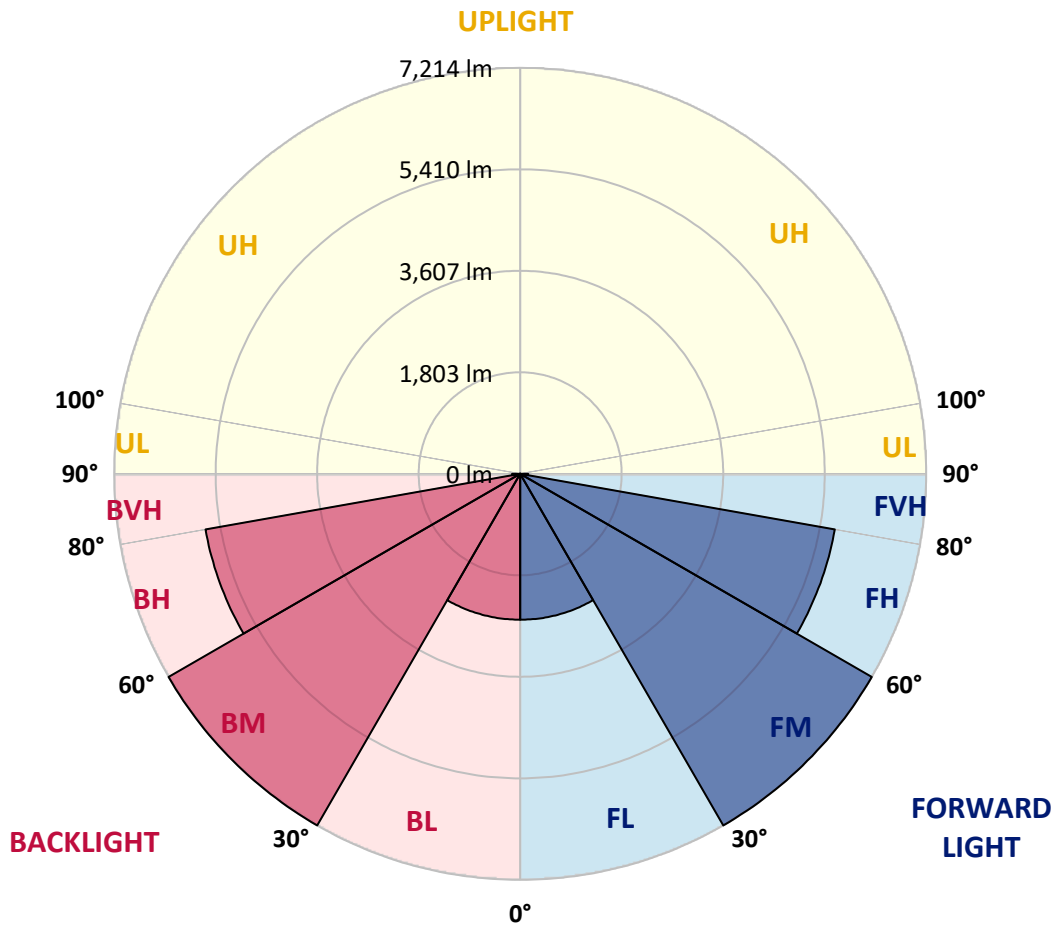
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2592.3 | 8.3 | | | |
| FM (30°-60°) | 7213.8 | 23.1 | | | |
| FH (60°-80°) | 5677.1 | 18.2 | | | G3/7500 |
| FVH (80°-90°) | 143.3 | 0.5 | | | G2/225 |
| BL (0°-30°) | 2592.3 | 8.3 | B4/5000 | | |
| BM (30°-60°) | 7213.8 | 23.1 | B4/8500 | | |
| BH (60°-80°) | 5677.1 | 18.2 | B5 | | G5 |
| BVH (80°-90°) | 143.3 | 0.5 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G5

Type I Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|
| 0° | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 | 5840.0 |
| 2.5° | 5844.9 | 5851.6 | 5851.6 | 5846.6 | 5858.2 | 5848.3 | 5848.3 | 5843.3 | 5848.3 | 5843.3 |
| 5° | 5874.8 | 5883.1 | 5886.5 | 5884.8 | 5899.7 | 5891.4 | 5891.4 | 5884.8 | 5886.5 | 5881.5 |
| 7.5° | 5931.3 | 5942.9 | 5949.6 | 5957.9 | 5979.5 | 5969.5 | 5962.9 | 5942.9 | 5934.6 | 5921.3 |
| 10° | 5949.6 | 5962.9 | 5984.5 | 6027.6 | 6077.5 | 6079.1 | 6059.2 | 6009.4 | 5971.2 | 5941.3 |
| 12.5° | 5893.1 | 5911.4 | 5956.2 | 6044.3 | 6155.5 | 6200.4 | 6168.8 | 6085.8 | 6011.0 | 5957.9 |
| 15° | 5821.7 | 5841.6 | 5909.7 | 6042.6 | 6207.0 | 6311.7 | 6308.3 | 6198.7 | 6079.1 | 5996.1 |
| 17.5° | 5710.4 | 5730.3 | 5828.3 | 6014.4 | 6246.9 | 6419.6 | 6466.1 | 6353.2 | 6185.4 | 6074.1 |
| 20° | 5509.4 | 5527.7 | 5663.9 | 5924.7 | 6260.2 | 6534.2 | 6655.5 | 6555.8 | 6346.5 | 6195.4 |
| 22.5° | 5248.6 | 5276.9 | 5436.3 | 5770.2 | 6228.6 | 6653.8 | 6871.4 | 6803.3 | 6534.2 | 6325.0 |
| 25° | 4969.6 | 4999.5 | 5185.5 | 5580.8 | 6147.2 | 6740.2 | 7127.2 | 7084.0 | 6746.8 | 6486.1 |
| 27.5° | 4728.8 | 4760.3 | 4963.0 | 5393.2 | 6021.0 | 6773.4 | 7379.7 | 7401.3 | 7004.3 | 6663.8 |
| 30° | 4539.4 | 4569.3 | 4785.2 | 5242.0 | 5858.2 | 6740.2 | 7600.6 | 7750.1 | 7266.7 | 6818.3 |
| 32.5° | 4331.8 | 4370.0 | 4597.6 | 5057.6 | 5665.6 | 6660.5 | 7793.2 | 8127.1 | 7570.7 | 6984.4 |
| 35° | 4069.4 | 4104.2 | 4343.4 | 4805.2 | 5413.1 | 6532.6 | 7954.4 | 8545.7 | 8005.9 | 7236.8 |
| 37.5° | 3750.5 | 3783.7 | 4021.2 | 4489.6 | 5162.3 | 6353.2 | 8077.3 | 9017.4 | 8524.1 | 7600.6 |
| 40° | 3429.9 | 3461.5 | 3684.0 | 4137.5 | 4861.6 | 6124.0 | 8120.5 | 9479.1 | 9118.7 | 8100.5 |
| 42.5° | 3135.9 | 3164.1 | 3368.4 | 3790.3 | 4524.5 | 5831.6 | 8064.0 | 9881.1 | 9651.9 | 8449.3 |
| 45° | 2865.2 | 2890.1 | 3071.1 | 3464.8 | 4174.0 | 5476.2 | 7894.6 | 10312.9 | 10286.4 | 8698.5 |
| 47.5° | 2556.2 | 2581.1 | 2768.8 | 3149.2 | 3823.5 | 5059.3 | 7607.2 | 10738.1 | 11168.3 | 9263.2 |
| 50° | 2179.2 | 2200.8 | 2393.5 | 2785.4 | 3459.8 | 4615.8 | 7208.6 | 11072.0 | 12281.2 | 10118.6 |
| 52.5° | 1732.4 | 1755.6 | 1943.3 | 2335.3 | 3027.9 | 4139.1 | 6683.7 | 11289.6 | 13566.8 | 11367.6 |
| 55° | 1288.9 | 1305.5 | 1468.3 | 1820.4 | 2493.1 | 3596.0 | 6026.0 | 11351.0 | 15025.1 | 13075.1 |
| 57.5° | 935.1 | 945.1 | 1049.7 | 1312.2 | 1890.2 | 2916.7 | 5227.1 | 11191.6 | 16760.8 | 15264.3 |
| 60° | 757.4 | 760.7 | 792.3 | 908.5 | 1313.8 | 2149.3 | 4262.0 | 10643.5 | 18644.3 | 18086.2 |
| 62.5° | 687.6 | 687.6 | 695.9 | 727.5 | 888.6 | 1418.5 | 3094.4 | 9507.4 | 20664.1 | 21652.3 |
| 65° | 639.5 | 639.5 | 642.8 | 657.7 | 700.9 | 903.6 | 1953.3 | 7657.0 | 22366.6 | 25829.7 |
| 67.5° | 596.3 | 597.9 | 596.3 | 601.3 | 626.2 | 667.7 | 1132.8 | 5288.5 | 23283.4 | 30158.1 |
| 70° | 551.4 | 554.8 | 546.5 | 546.5 | 566.4 | 568.1 | 709.2 | 2900.0 | 22522.7 | 33785.7 |
| 72.5° | 498.3 | 503.3 | 490.0 | 486.7 | 501.6 | 495.0 | 533.2 | 1391.9 | 19337.0 | 34868.6 |
| 75° | 451.8 | 458.4 | 428.5 | 420.2 | 420.2 | 415.2 | 433.5 | 714.2 | 12550.3 | 28444.0 |
| 77.5° | 410.3 | 423.5 | 375.4 | 348.8 | 342.2 | 327.2 | 353.8 | 436.8 | 5489.5 | 13354.2 |
| 80° | 338.8 | 357.1 | 308.9 | 277.4 | 265.8 | 249.1 | 279.0 | 305.6 | 1632.7 | 3101.0 |
| 82.5° | 252.5 | 260.8 | 219.2 | 197.7 | 187.7 | 176.1 | 209.3 | 212.6 | 531.5 | 1097.9 |
| 85° | 161.1 | 164.4 | 134.5 | 116.3 | 111.3 | 106.3 | 132.9 | 116.3 | 202.6 | 807.2 |
| 87.5° | 56.5 | 64.8 | 51.5 | 46.5 | 49.8 | 41.5 | 61.5 | 34.9 | 56.5 | 569.7 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END C

90°

5840.0
5843.3
5881.5
5921.3
5936.3
5949.6
5982.8
6055.9
6167.2
6286.8
6432.9
6607.3
6736.9
6881.4
7122.2
7447.8
7937.8
8240.0
8416.1
8937.7
9710.0
10864.4
12445.6
14472.0
17088.0
20315.3
24138.8
28332.7
33305.7
36131.0
30423.9
13076.8
2969.8
1240.7
1172.6
705.9
0.0

OF REPORT)