

REPORT NUMBER: PRORATED FROM RAB04363

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ISSUE DATE: 05/09/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED2T105/480 - RWLED2T105/480 - RWLED2T105SF/480 -
WPLED2T105/480 (TYPE II)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CHIP ON BOARD LIGHT EMITTING DIODES,
MOLDED PLASTIC REFLECTOR WITH SPECULAR FINISH, CLEAR GLASS LENS IN CAST
BRONZE PAINTED METAL FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED
63-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 75-DEGREES FROM
STRAIGHT AHEAD, 2 LEDs TILTED 67-DEGREES FROM VERTICAL BASE-UP POSITION
AND CANTED 68-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 58-DEGREES FROM
VERTICAL BASE-UP POSITION AND CANTED 40-DEGREES FROM STRAIGHT AHEAD.

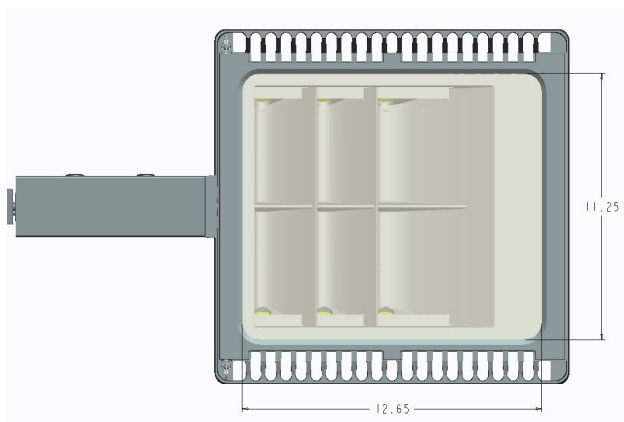
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04363 WHICH WAS
ALED2T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 108.8 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RDD-H65-36A-A1400-480

PROCEDURE: TEST PROCEDURE: IESNA LM-79-08

NOTE: LM-80 DATA AVAILABLE FROM MANUFACTURER FOR SOLID STATE SOURCE



Checked X.CAO

Approved D.WANG-MUNSON

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ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

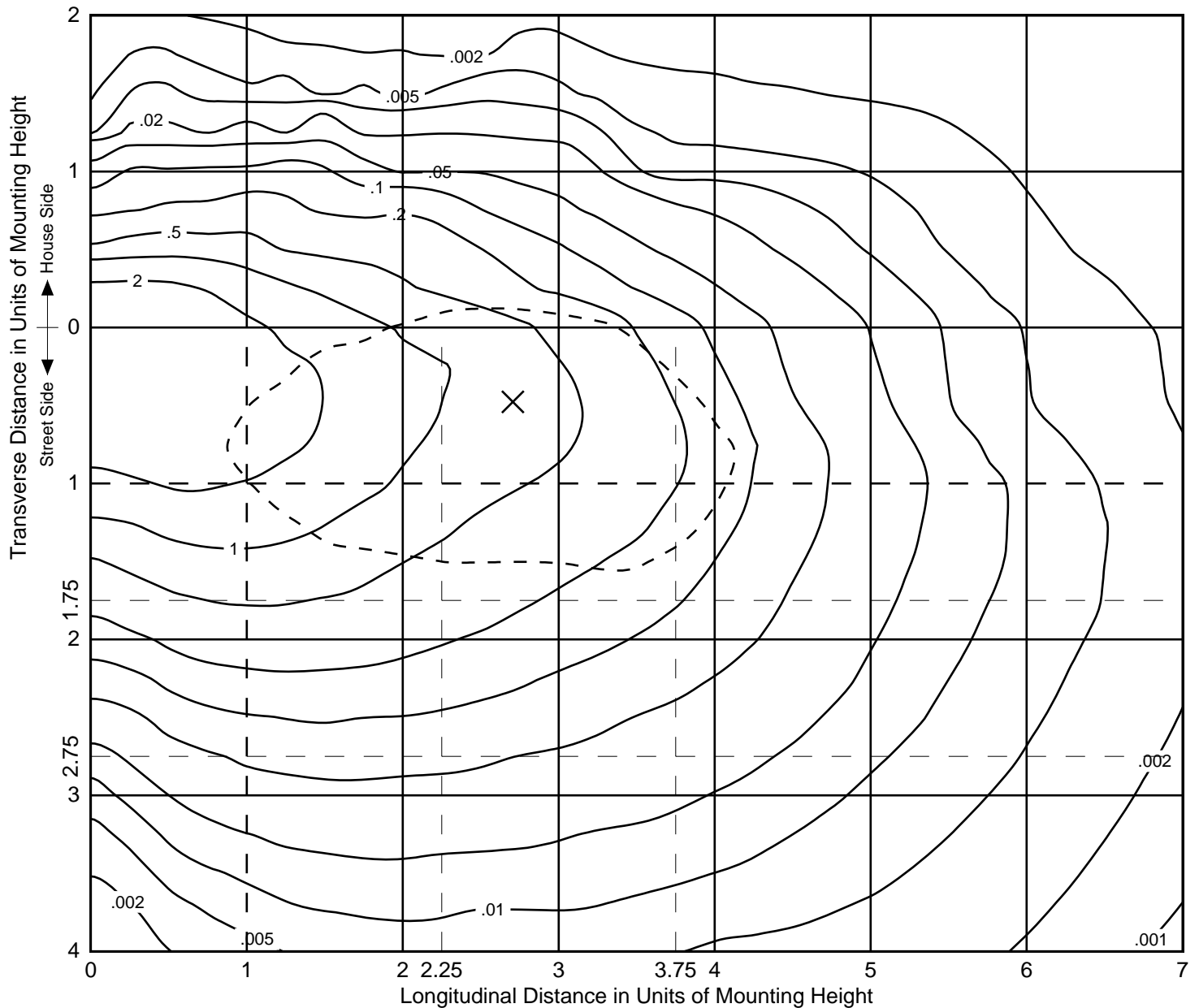
Values based on 25-foot mounting height

IES Classification: Medium, Type II

Cutoff Classification (deprecated): Semicutoff

--- 1/2 Maximum Candela trace

× Maximum Candela point



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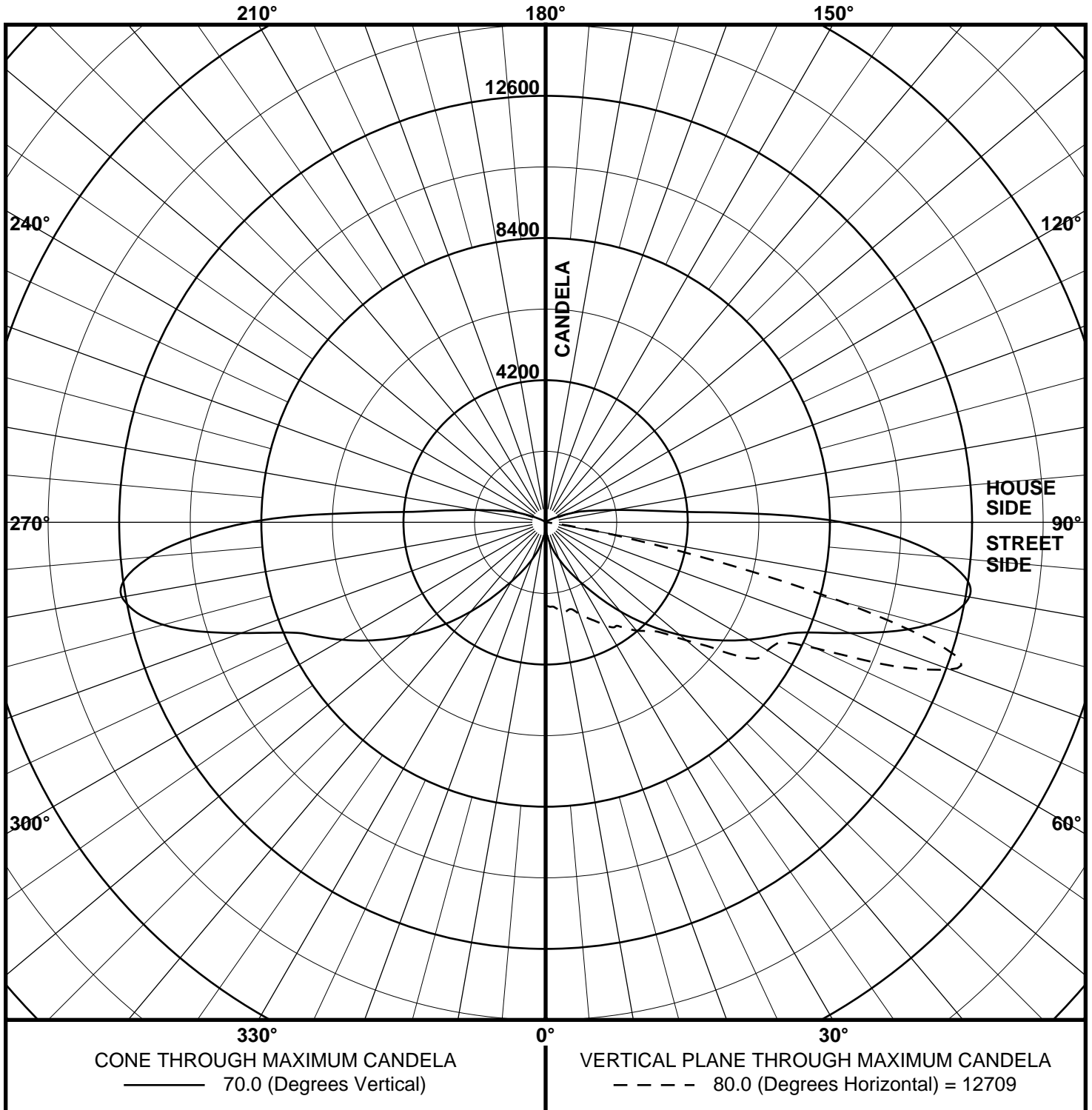
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MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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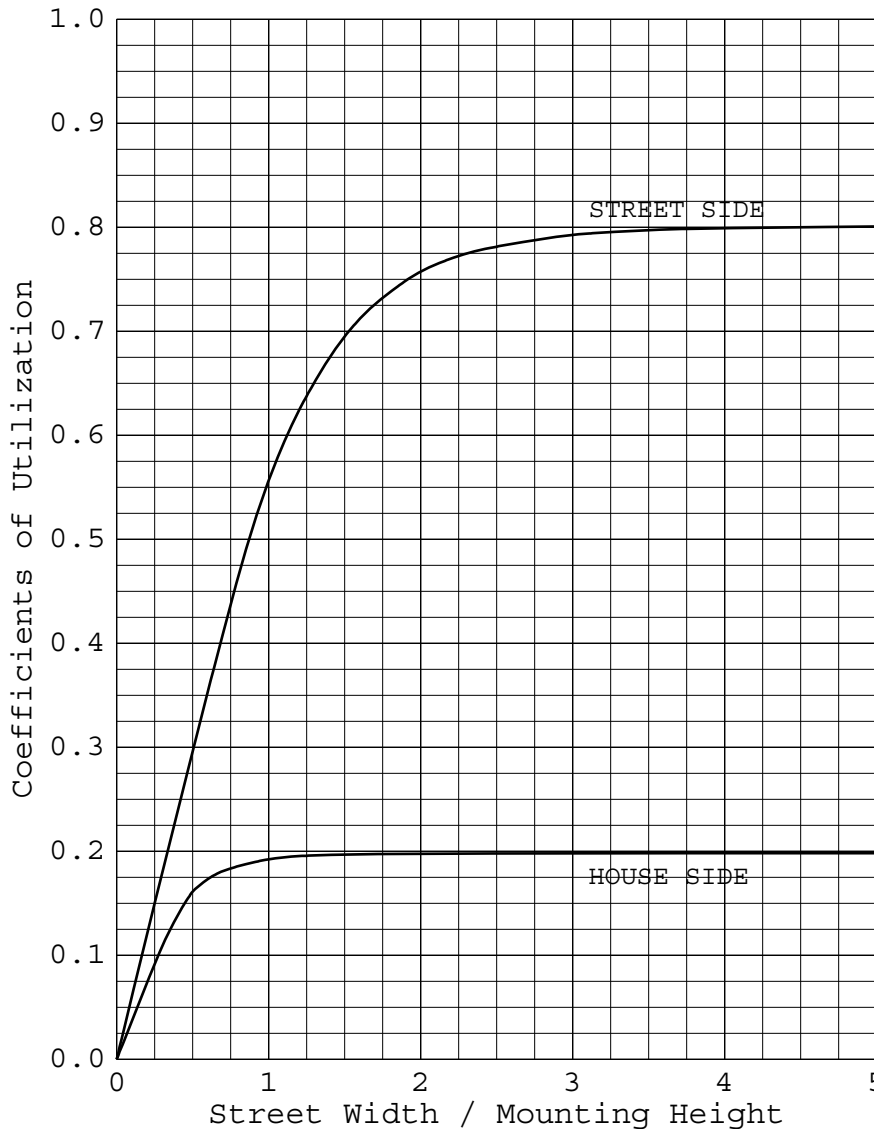
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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



| | LUMENS | PERCENT OF FIXTURE |
|-------------------------|--------|-----------------------|
| DOWNWARD STREET SIDE | 10992 | 80.1 |
| DOWNWARD HOUSE SIDE | 2725 | 19.9 |
| DOWNWARD TOTAL | 13717 | 100.0 |
| UPWARD STREET SIDE | 0 | 0.0 |
| UPWARD HOUSE SIDE | 0 | 0.0 |
| UPWARD TOTAL | 0 | 0.0 |
| TOTAL FLUX | 13717 | 100.0 |

EFFICACY = 126.1 lm/W

ALL CANDELA AND LUMENS IN THIS REPORT ARE BASED ON ABSOLUTE PHOTOMETRY.
THE COEFFICIENT OF UTILIZATION VALUES ARE BASED ON THE TOTAL ABSOLUTE
LUMEN OUTPUT OF THIS LUMINAIRE SAMPLE.

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| BUG Rating | | | B2 U0 G2 | | |
|---------------|---------------|--------|--------------|----|----|
| Zonal Summary | | | Zone Ratings | | |
| | | | B | U | G |
| Forward | | | | | |
| FL | (0° – 30°) | 10992 | | | |
| FM | (30° – 60°) | 1218.8 | | | |
| FH | (60° – 80°) | 5346.9 | | | |
| FVH | (80° – 90°) | 4347.9 | | | G2 |
| | | 78.0 | | | G1 |
| Backward | | | | | |
| BL | (0° – 30°) | 2725 | | | |
| BM | (30° – 60°) | 760.7 | B2 | | |
| BH | (60° – 80°) | 1296.3 | B2 | | |
| BVH | (80° – 90°) | 656.4 | B2 | | G2 |
| | | 11.9 | | | G1 |
| Upward | | | | | |
| UL | (90° – 100°) | 0 | | U0 | |
| UH | (100° – 180°) | 0.0 | | U0 | |
| Trapped Light | | | | | |
| Total Flux | | | | | |
| | | 0 | | | |
| | | 13717 | | | |
| | | 100.0 | | | |

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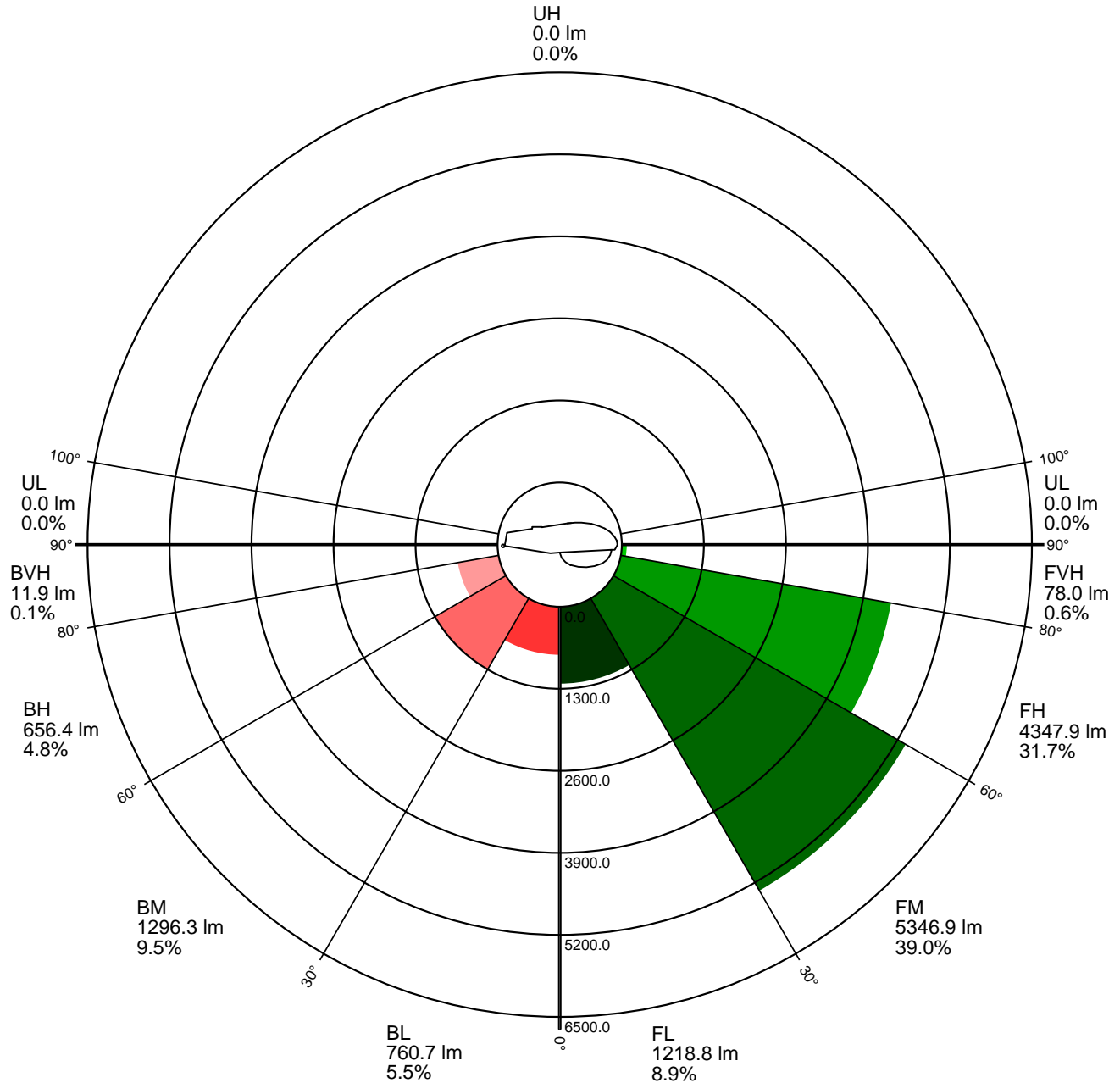
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Zonal Lumen Summary

(Linear scale)



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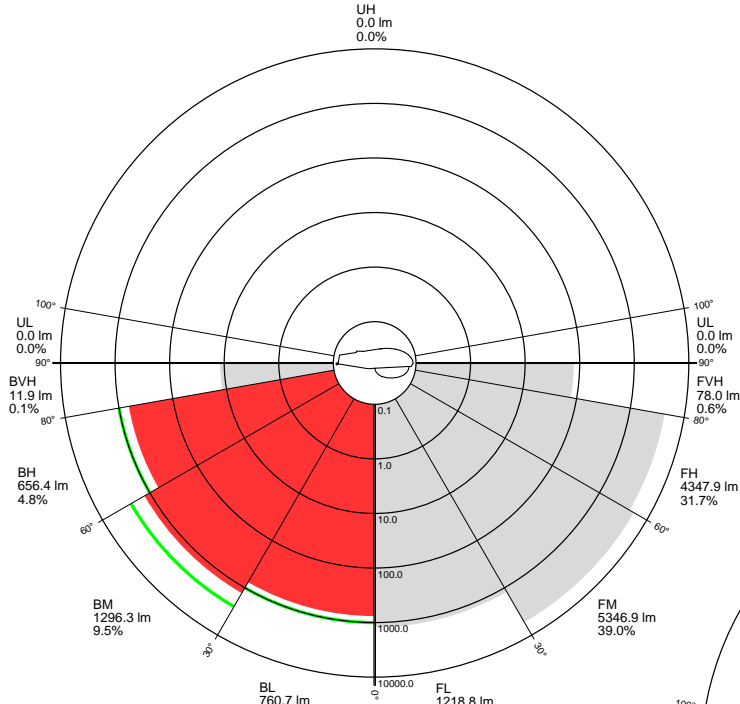
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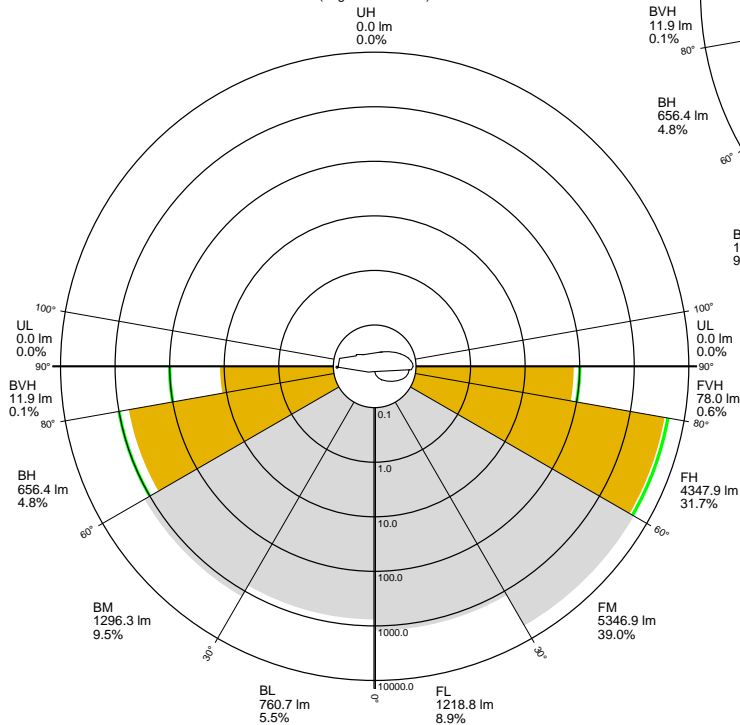
Backlight Rating Details

(Logarithmic scale)



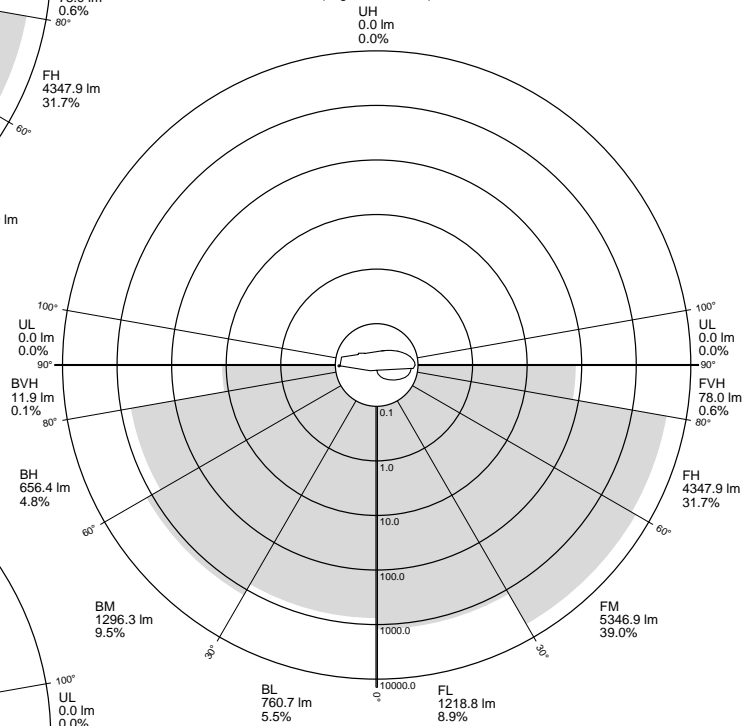
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



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CANDELA TABULATION

| | STREET | LATERAL ANGLE | | | | | | | | | | |
|---|--------|---------------|-------|-------|-------|-------|-------|-------|-------|--------|--------|--------|
| | | SIDE | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 80.0 |
| | | | | | | | | | | | | |
| | 180.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 175.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 165.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 155.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 145.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 135.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 125.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 115.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 105.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 95.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 92.5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 87.5 | 1. | 1. | 2. | 4. | 7. | 9. | 12. | 25. | 14. | 18. | 10. |
| | 85.0 | 3. | 2. | 6. | 7. | 11. | 21. | 70. | 40. | 50. | 59. | 44. |
| V | 82.5 | 8. | 6. | 11. | 16. | 59. | 174. | 302. | 372. | 477. | 409. | 258. |
| E | 80.0 | 17. | 12. | 26. | 137. | 267. | 511. | 1059. | 1523. | 1747. | 1621. | 896. |
| R | 77.5 | 27. | 25. | 117. | 363. | 622. | 1308. | 2403. | 4074. | 4781. | 4655. | 2882. |
| T | 75.0 | 41. | 68. | 302. | 690. | 1229. | 2210. | 3695. | 6323. | 9204. | 9044. | 6518. |
| I | 72.5 | 98. | 178. | 562. | 1112. | 1879. | 3197. | 5116. | 6958. | 11689. | 12361. | 9967. |
| C | 70.0<< | 214. | 345. | 840. | 1551. | 2654. | 4293. | 6062. | 7810. | 11699. | 12709. | 11727. |
| A | 67.5 | 471. | 528. | 1155. | 2128. | 3494. | 5287. | 6581. | 8671. | 9939. | 11078. | 10607. |
| L | 65.0 | 766. | 789. | 1616. | 2760. | 4293. | 5913. | 7034. | 8918. | 8996. | 8811. | 8820. |
| | 62.5 | 1028. | 1110. | 2075. | 3322. | 4720. | 6176. | 7344. | 8895. | 8470. | 7725. | 7082. |
| A | 60.0 | 1279. | 1449. | 2406. | 3586. | 4957. | 6196. | 7471. | 8809. | 8349. | 7567. | 6784. |
| N | 57.5 | 1550. | 1734. | 2604. | 3782. | 4966. | 6146. | 7530. | 8146. | 7948. | 7458. | 6445. |
| G | 55.0 | 1858. | 1988. | 2655. | 3796. | 4922. | 6274. | 7446. | 7784. | 7277. | 6859. | 6083. |
| L | 52.5 | 2182. | 2271. | 2812. | 3931. | 5168. | 6388. | 7139. | 7258. | 6380. | 5997. | 5257. |
| E | 50.0 | 2480. | 2529. | 3023. | 4183. | 5329. | 6320. | 6945. | 6745. | 5730. | 5427. | 4669. |
| | 47.5 | 2750. | 2804. | 3301. | 4316. | 5294. | 5918. | 6483. | 6052. | 5299. | 4916. | 4464. |
| | 45.0 | 2932. | 3019. | 3486. | 4351. | 5122. | 5472. | 5586. | 5491. | 5002. | 4555. | 4269. |
| | 42.5 | 3065. | 3162. | 3557. | 4195. | 4738. | 5118. | 5011. | 4907. | 4636. | 4357. | 4168. |
| | 40.0 | 3117. | 3173. | 3512. | 3893. | 4415. | 4804. | 4713. | 4490. | 4328. | 4175. | 3996. |
| | 37.5 | 3069. | 3089. | 3430. | 3640. | 4071. | 4458. | 4401. | 4266. | 4172. | 3964. | 3753. |
| | 35.0 | 2931. | 2940. | 3205. | 3351. | 3709. | 3965. | 4129. | 4222. | 3955. | 3739. | 3542. |
| | 32.5 | 2838. | 2854. | 3084. | 3127. | 3380. | 3625. | 3884. | 4051. | 3855. | 3681. | 3543. |
| | 30.0 | 2781. | 2823. | 3011. | 3053. | 3277. | 3430. | 3653. | 3742. | 3591. | 3510. | 3452. |
| | 25.0 | 2685. | 2694. | 2797. | 2939. | 2904. | 3031. | 3214. | 3247. | 3203. | 3161. | 3126. |
| | 20.0 | 2561. | 2568. | 2645. | 2853. | 2887. | 2914. | 2868. | 2905. | 2884. | 2868. | 2789. |
| | 15.0 | 2640. | 2625. | 2653. | 2750. | 2852. | 2860. | 2833. | 2801. | 2741. | 2668. | 2644. |
| | 10.0 | 2563. | 2568. | 2589. | 2604. | 2641. | 2693. | 2748. | 2750. | 2724. | 2700. | 2675. |
| | 5.0 | 2511. | 2515. | 2526. | 2521. | 2522. | 2516. | 2513. | 2506. | 2523. | 2500. | 2494. |
| | 0.0 | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. |

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

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CANDELA TABULATION

| | LATERAL ANGLE | | | | | | | | | | |
|---|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | HOUSE SIDE | 90.0 | 95.0 | 105.0 | 115.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 180.0 |
| | 180.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 175.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 165.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 155.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 145.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 135.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 125.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 115.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 105.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 95.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 92.5 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 87.5 | 9. | 7. | 8. | 7. | 6. | 6. | 5. | 3. | 3. | 2. |
| | 85.0 | 26. | 15. | 11. | 8. | 7. | 7. | 7. | 5. | 3. | 3. |
| V | 82.5 | 195. | 65. | 62. | 19. | 12. | 8. | 7. | 9. | 9. | 7. |
| E | 80.0 | 806. | 455. | 192. | 67. | 30. | 10. | 10. | 12. | 11. | 8. |
| R | 77.5 | 2344. | 1212. | 195. | 61. | 29. | 11. | 10. | 11. | 11. | 9. |
| T | 75.0 | 4744. | 2053. | 270. | 86. | 30. | 16. | 9. | 11. | 10. | 9. |
| I | 72.5 | 7397. | 2856. | 1051. | 238. | 35. | 18. | 9. | 11. | 10. | 8. |
| C | 70.0<< | 8773. | 3651. | 1319. | 362. | 39. | 20. | 11. | 12. | 12. | 9. |
| A | 67.5 | 8448. | 4426. | 2058. | 421. | 62. | 25. | 13. | 12. | 12. | 10. |
| L | 65.0 | 7237. | 4308. | 2701. | 529. | 151. | 31. | 19. | 15. | 15. | 12. |
| | 62.5 | 6225. | 4257. | 2311. | 687. | 409. | 81. | 25. | 21. | 20. | 16. |
| A | 60.0 | 5817. | 4462. | 2271. | 861. | 661. | 107. | 37. | 34. | 40. | 24. |
| N | 57.5 | 5465. | 4388. | 2079. | 910. | 776. | 243. | 47. | 39. | 52. | 25. |
| G | 55.0 | 5185. | 4330. | 1956. | 958. | 747. | 354. | 91. | 48. | 61. | 25. |
| L | 52.5 | 4711. | 4276. | 2155. | 1189. | 761. | 426. | 206. | 74. | 84. | 25. |
| E | 50.0 | 4273. | 3997. | 2269. | 1445. | 802. | 419. | 297. | 147. | 71. | 33. |
| | 47.5 | 4141. | 3870. | 2327. | 1547. | 810. | 424. | 344. | 226. | 140. | 81. |
| | 45.0 | 4045. | 3739. | 2418. | 1574. | 851. | 490. | 332. | 281. | 238. | 137. |
| | 42.5 | 3926. | 3561. | 2567. | 1633. | 929. | 548. | 339. | 277. | 252. | 173. |
| | 40.0 | 3766. | 3450. | 2775. | 1729. | 1032. | 616. | 404. | 271. | 230. | 183. |
| | 37.5 | 3579. | 3344. | 2921. | 1809. | 1176. | 711. | 487. | 352. | 210. | 185. |
| | 35.0 | 3394. | 3334. | 2887. | 1922. | 1287. | 845. | 553. | 437. | 285. | 220. |
| | 32.5 | 3373. | 3347. | 2921. | 2052. | 1407. | 968. | 658. | 500. | 357. | 290. |
| | 30.0 | 3275. | 3250. | 2836. | 2179. | 1552. | 1077. | 760. | 561. | 408. | 371. |
| | 25.0 | 3036. | 2997. | 2697. | 2387. | 1781. | 1352. | 1001. | 756. | 604. | 565. |
| | 20.0 | 2776. | 2753. | 2567. | 2297. | 2045. | 1678. | 1394. | 1119. | 961. | 908. |
| | 15.0 | 2611. | 2608. | 2544. | 2401. | 2267. | 2125. | 1893. | 1619. | 1513. | 1488. |
| | 10.0 | 2646. | 2641. | 2587. | 2514. | 2401. | 2277. | 2157. | 2050. | 1999. | 1974. |
| | 5.0 | 2470. | 2466. | 2449. | 2440. | 2419. | 2374. | 2346. | 2322. | 2317. | 2310. |
| | 0.0 | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. | 2460. |

CONE OF MAXIMUM CANDELA

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5-DEGREE
ZONAL LUMEN SUMMARY

| | |
|---------|------|
| 0- 5 | 59 |
| 5- 10 | 176 |
| 10- 15 | 291 |
| 15- 20 | 384 |
| 20- 25 | 478 |
| 25- 30 | 592 |
| 30- 35 | 718 |
| 35- 40 | 861 |
| 40- 45 | 1026 |
| 45- 50 | 1203 |
| 50- 55 | 1350 |
| 55- 60 | 1485 |
| 60- 65 | 1555 |
| 65- 70 | 1570 |
| 70- 75 | 1300 |
| 75- 80 | 580 |
| 80- 85 | 85 |
| 85- 90 | 5 |
| 90- 95 | 0 |
| 95-100 | 0 |
| 100-105 | 0 |
| 105-110 | 0 |
| 110-115 | 0 |
| 115-120 | 0 |
| 120-125 | 0 |
| 125-130 | 0 |
| 130-135 | 0 |
| 135-140 | 0 |
| 140-145 | 0 |
| 145-150 | 0 |
| 150-155 | 0 |
| 155-160 | 0 |
| 160-165 | 0 |
| 165-170 | 0 |
| 170-175 | 0 |
| 175-180 | 0 |

10-DEGREE
ZONAL LUMEN SUMMARY

| | |
|-------|-------|
| 0- 10 | 235 |
| 0- 20 | 910 |
| 0- 30 | 1979 |
| 0- 40 | 3559 |
| 0- 50 | 5787 |
| 0- 60 | 8623 |
| 0- 70 | 11747 |
| 0- 80 | 13627 |
| 0- 90 | 13717 |
| 0-100 | 13717 |
| 0-110 | 13717 |
| 0-120 | 13717 |
| 0-130 | 13717 |
| 0-140 | 13717 |
| 0-150 | 13717 |
| 0-160 | 13717 |
| 0-170 | 13717 |
| 0-180 | 13717 |