

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 1 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 - WPLED4T125N/480 (TYPE IV)

LUMINAIRE: CAST FINNED METAL HOUSING, 6 CIRCUIT BOARDS EACH WITH 1 LED, MOLDED 2-PIECE PLASTIC REFLECTOR WITH SPECULAR FINISH AND 1 APERTURE PER LED, CLEAR FLAT GLASS LENS IN CAST BROWN PAINTED METAL LENS FRAME.

LAMPS: SIX WHITE MULTI-CHIP LIGHT EMITTING DIODES (LEDs), 2 LEDs TILTED 56-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 18-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 16-DEGREES FROM STRAIGHT AHEAD, 2 LEDs TILTED 57-DEGREES FROM VERTICAL BASE-UP POSITION AND CANTED 22-DEGREES FROM STRAIGHT AHEAD.

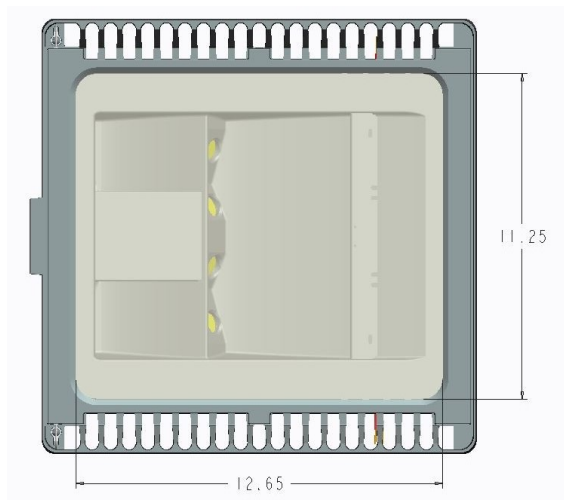
ABSOLUTE: NOTE: THIS REPORT WAS PRORATED FROM RAB04361 WHICH WAS ALED4T125Y/480. ACTUAL PERFORMANCE MAY VARY.

WATT: TOTAL INPUT WATTS = 135.0 W AT 480.0 VAC.

LED DRIVER: LED DRIVER: 2 x RD-H065-A1810-480

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

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 2 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

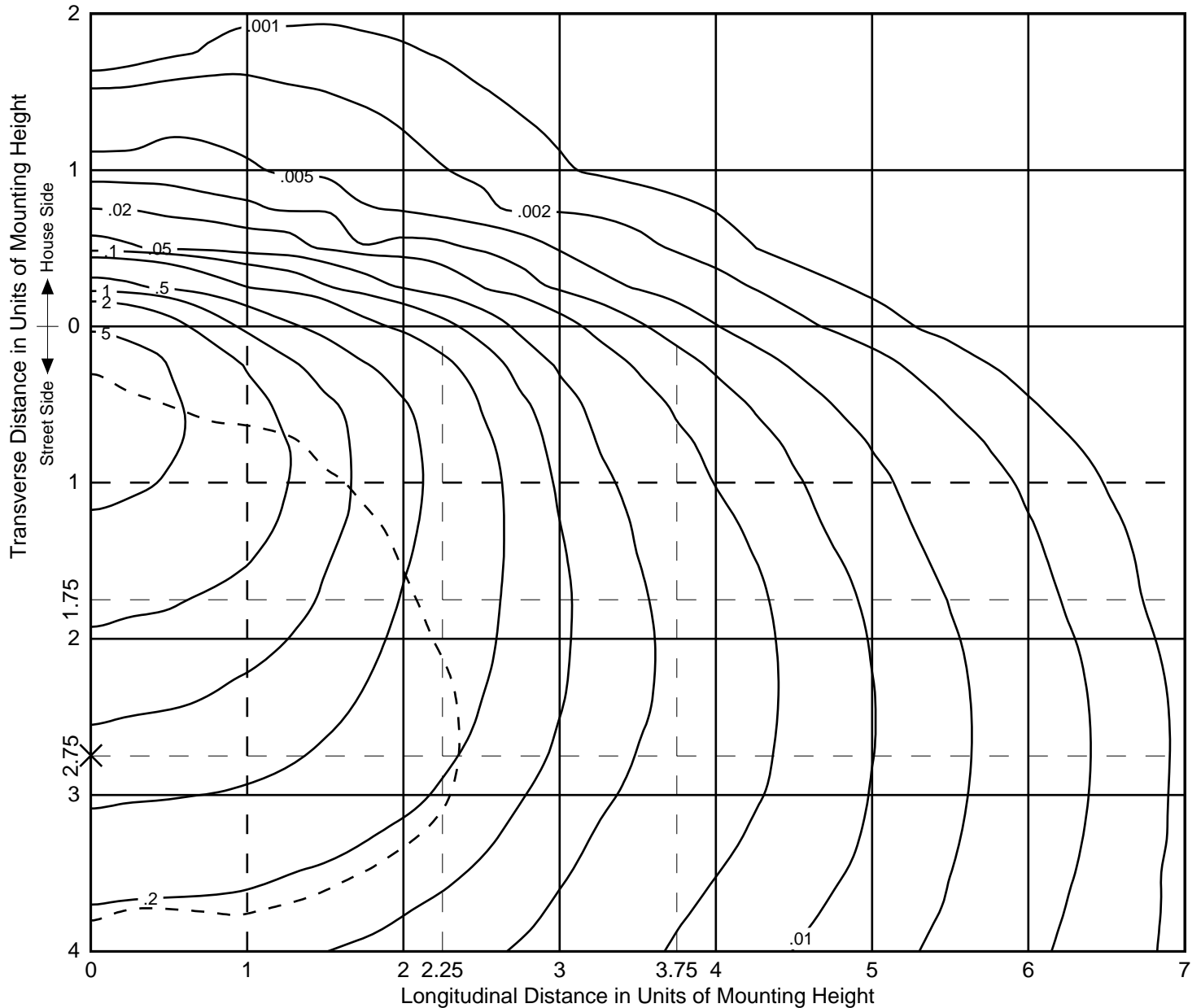
Values based on 25-foot mounting height

IES Classification: (does not classify)

Cutoff Classification (deprecated): Semicutoff

— — — — 1/2 Maximum Candela trace

× Maximum Candela point



REPORT NUMBER: PRORATED FROM RAB04361

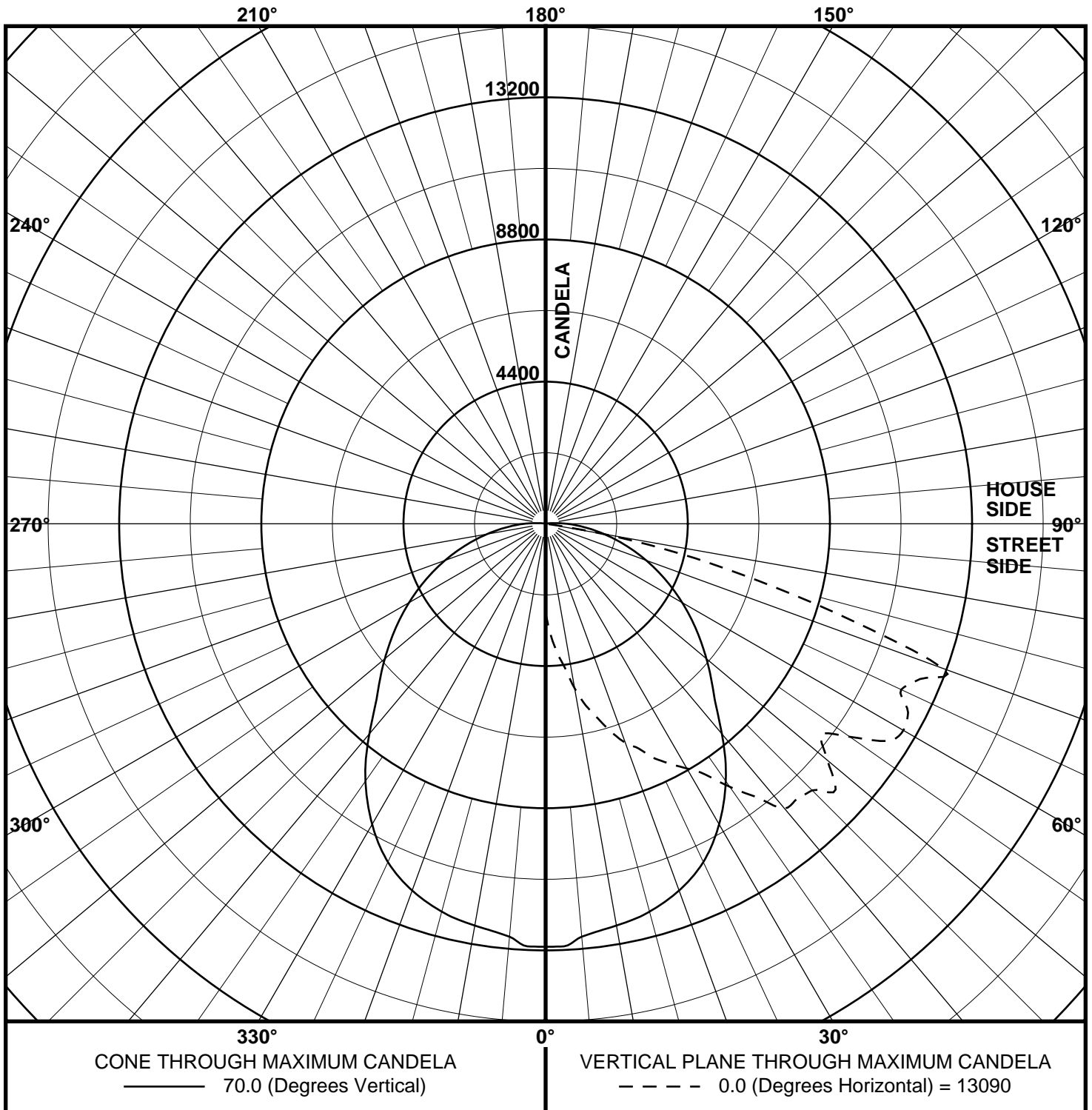
PAGE: 3 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

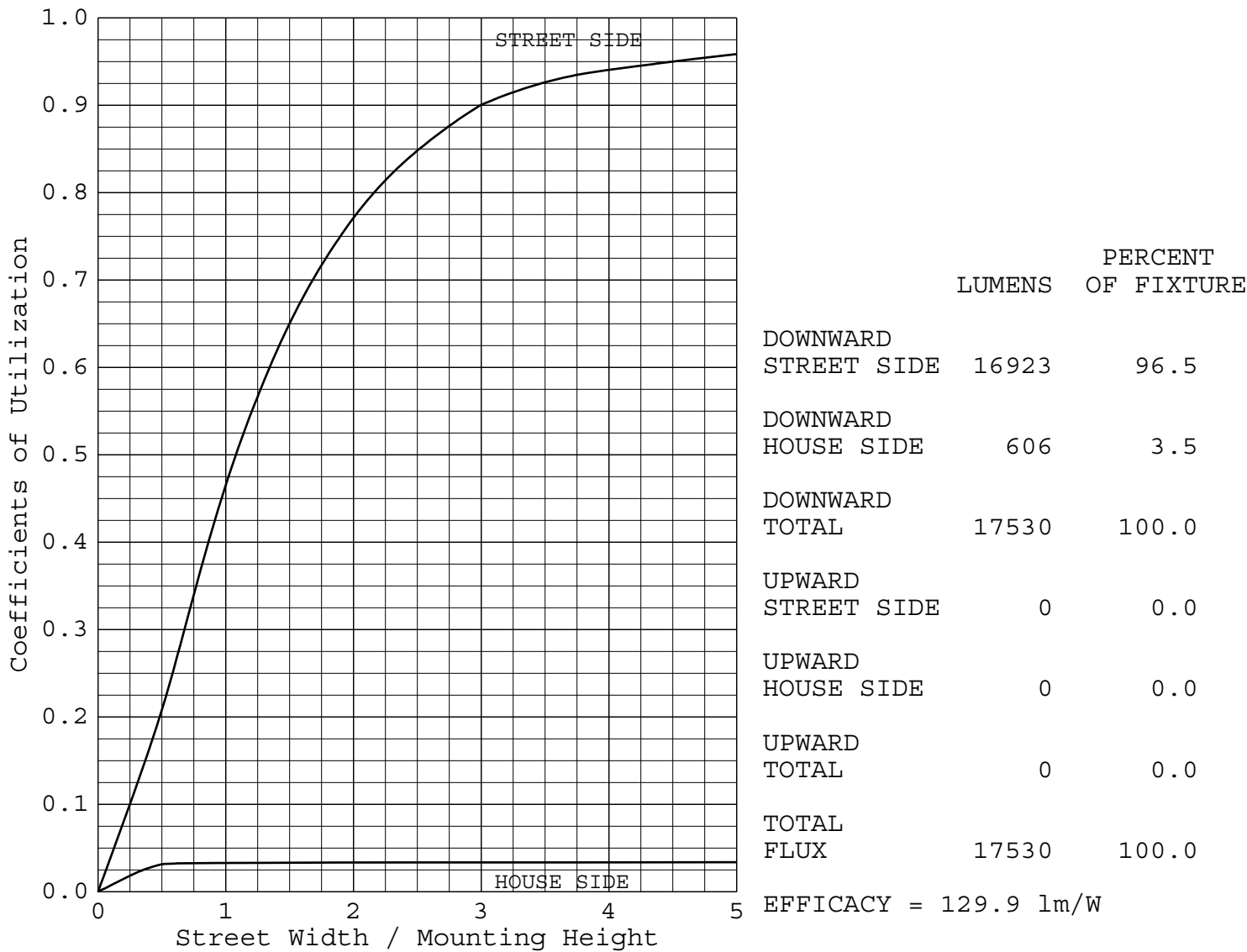
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



REPORT NUMBER: PRORATED FROM RAB04361
ISSUE DATE: 05/10/18
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

PAGE: 4 OF 10

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



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.

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 5 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

| BUG Rating | | | | B1 | U0 | G3 |
|---------------|---------------|--------|--------------|--------------|----|----|
| Zonal Summary | | Lumens | % of Fixture | Zone Ratings | | |
| | | | | B | U | G |
| Forward | | 16923 | 96.5 | | | |
| FL | (0° – 30°) | 2120.5 | 12.1 | | | |
| FM | (30° – 60°) | 8282.5 | 47.2 | | | |
| FH | (60° – 80°) | 6361.4 | 36.3 | | | G3 |
| FVH | (80° – 90°) | 159.0 | 0.9 | | | G2 |
| Backward | | 606 | 3.5 | | | |
| BL | (0° – 30°) | 329.5 | 1.9 | B1 | | |
| BM | (30° – 60°) | 217.3 | 1.2 | B0 | | |
| BH | (60° – 80°) | 52.2 | 0.3 | B0 | | G0 |
| BVH | (80° – 90°) | 7.3 | 0.0 | | | G0 |
| Upward | | 0 | 0.0 | | | |
| UL | (90° – 100°) | 0.0 | 0.0 | | U0 | |
| UH | (100° – 180°) | 0.0 | 0.0 | | U0 | |
| Trapped Light | | 0 | 0.0 | | | |
| Total Flux | | 17530 | 100.0 | | | |

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 6 OF 10

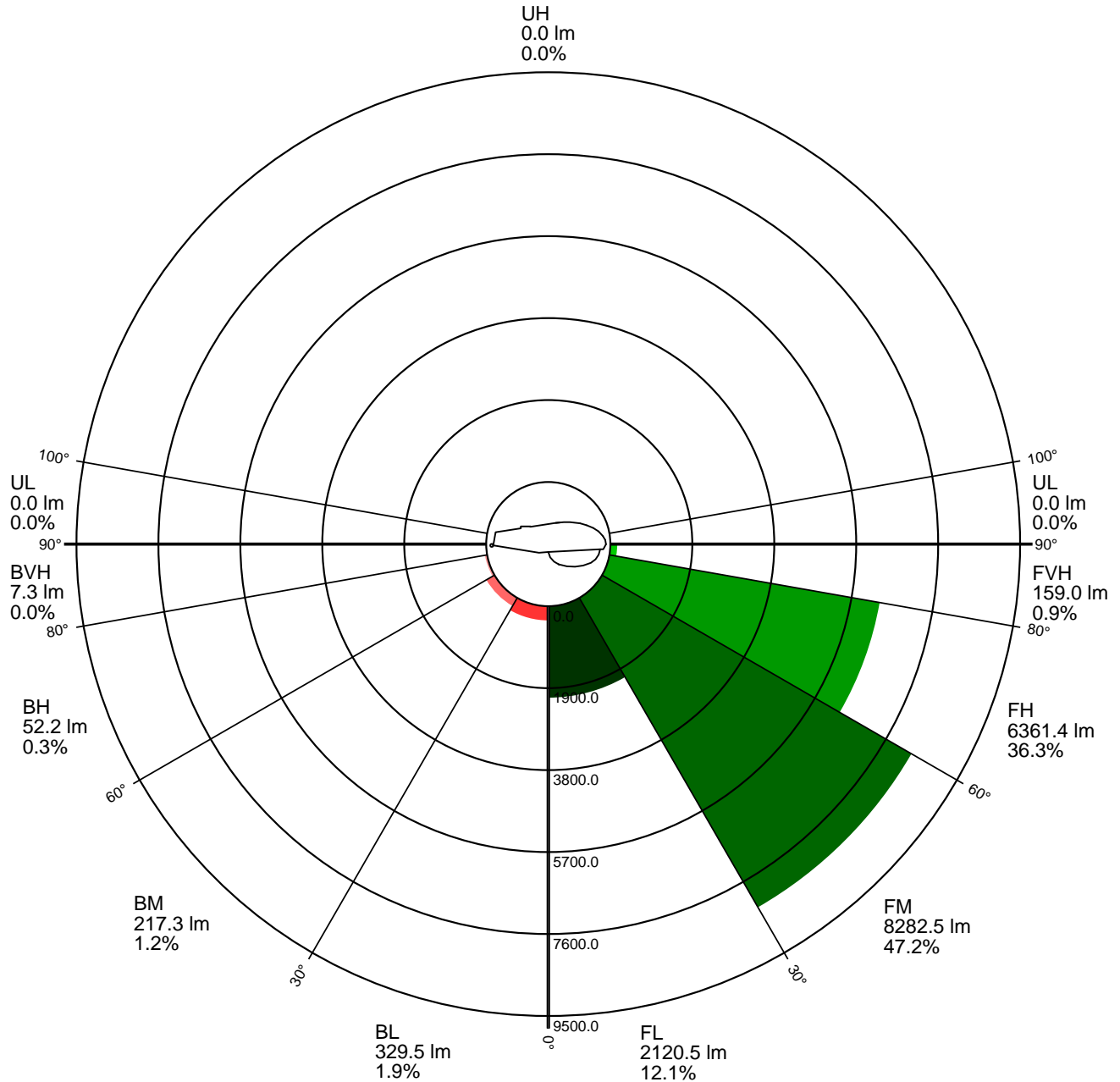
ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

Zonal Lumen Summary

(Linear scale)



REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 7 OF 10

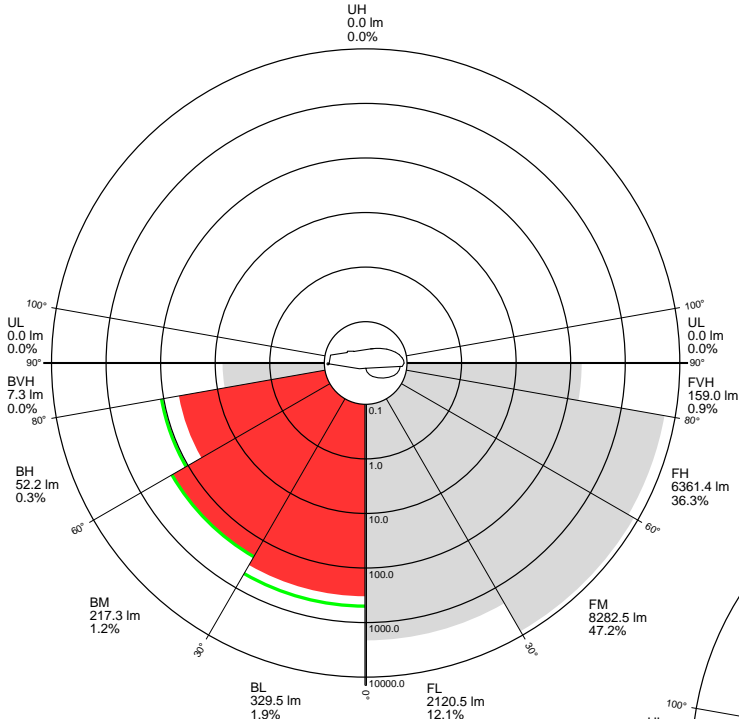
ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

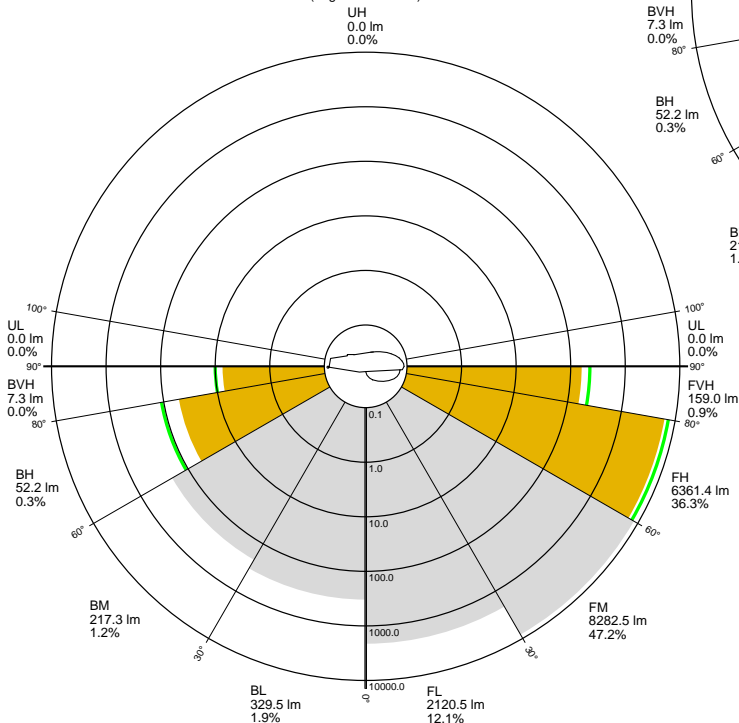
Backlight Rating Details

(Logarithmic scale)



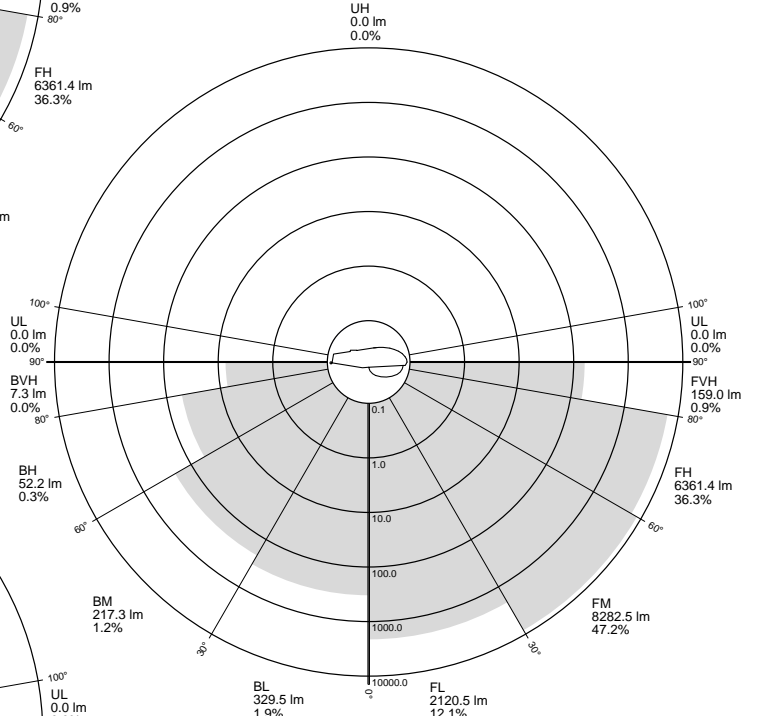
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 8 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

CANDELA TABULATION

| | STREET SIDE | | | | | | | | | | |
|--------|-------------|--------|--------|--------|--------|--------|-------|-------|-------|-------|-------|
| | 0.0 | 2.5 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 85.0 |
| | | | | | | | | | | | |
| 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 | 19. | 19. | 17. | 18. | 15. | 15. | 18. | 21. | 21. | 20. | 21. |
| 85.0 | 50. | 48. | 46. | 103. | 175. | 130. | 84. | 68. | 82. | 35. | 23. |
| V 82.5 | 181. | 171. | 154. | 307. | 528. | 671. | 593. | 417. | 268. | 118. | 44. |
| E 80.0 | 1765. | 1698. | 1588. | 1999. | 2325. | 2105. | 1700. | 1586. | 1044. | 498. | 188. |
| R 77.5 | 4258. | 4158. | 4022. | 4637. | 4627. | 4305. | 3217. | 2614. | 1716. | 856. | 365. |
| T 75.0 | 6808. | 6673. | 6465. | 7135. | 7233. | 7109. | 5558. | 3550. | 2155. | 1140. | 530. |
| I 72.5 | 9912. | 9738. | 9436. | 10331. | 10550. | 9102. | 6804. | 4615. | 2880. | 1570. | 773. |
| C 70.0 | <13090. | 13090. | 12827. | 12427. | 11548. | 9726. | 7345. | 5682. | 4090. | 2554. | 1201. |
| A 67.5 | 12549. | 12292. | 12090. | 11908. | 11197. | 10290. | 7943. | 6301. | 5034. | 3396. | 1778. |
| L 65.0 | 12144. | 12004. | 11700. | 12033. | 11353. | 10588. | 8287. | 6786. | 5447. | 4042. | 2140. |
| 62.5 | 12650. | 12416. | 11957. | 12165. | 11449. | 11006. | 9130. | 6878. | 5502. | 4340. | 2178. |
| A 60.0 | 12784. | 12387. | 11805. | 11736. | 11515. | 11416. | 9951. | 7424. | 5429. | 4268. | 2015. |
| N 57.5 | 12511. | 12069. | 11409. | 11113. | 10935. | 10145. | 9755. | 7987. | 5472. | 3998. | 1930. |
| G 55.0 | 11497. | 11157. | 10600. | 10309. | 10035. | 9454. | 9702. | 8075. | 5520. | 3774. | 1976. |
| L 52.5 | 10747. | 10557. | 10133. | 9799. | 9693. | 9182. | 9017. | 7457. | 5394. | 3616. | 1962. |
| E 50.0 | 11391. | 11239. | 10951. | 10657. | 10134. | 8871. | 8609. | 7014. | 5257. | 3671. | 2031. |
| 47.5 | 12178. | 12040. | 11677. | 10701. | 9928. | 9284. | 7932. | 6538. | 5092. | 3704. | 2031. |
| 45.0 | 11666. | 11597. | 11340. | 10459. | 10146. | 9045. | 7341. | 6070. | 4930. | 3588. | 2122. |
| 42.5 | 11539. | 11503. | 11363. | 10787. | 9990. | 8218. | 6966. | 5859. | 4826. | 3483. | 2258. |
| 40.0 | 11501. | 11445. | 11304. | 10627. | 9120. | 7782. | 6742. | 5847. | 4795. | 3422. | 2320. |
| 37.5 | 10639. | 10573. | 10449. | 9728. | 8501. | 7442. | 6562. | 5753. | 4791. | 3542. | 2378. |
| 35.0 | 9936. | 9877. | 9729. | 8952. | 8032. | 7125. | 6469. | 5647. | 4659. | 3572. | 2525. |
| 32.5 | 9204. | 9162. | 9040. | 8290. | 7614. | 6848. | 6231. | 5545. | 4541. | 3512. | 2614. |
| 30.0 | 8742. | 8703. | 8600. | 7798. | 7329. | 6625. | 5985. | 5328. | 4505. | 3504. | 2713. |
| 25.0 | 8017. | 8004. | 7935. | 7250. | 6744. | 6189. | 5613. | 5016. | 4368. | 3542. | 2854. |
| 20.0 | 7221. | 7218. | 7184. | 6816. | 6311. | 5804. | 5297. | 4741. | 4061. | 3461. | 2819. |
| 15.0 | 6232. | 6218. | 6199. | 6009. | 5661. | 5234. | 4814. | 4318. | 3839. | 3480. | 2870. |
| 10.0 | 5170. | 5150. | 5172. | 4984. | 4792. | 4469. | 4177. | 3916. | 3659. | 3307. | 2856. |
| 5.0 | 3984. | 4000. | 3989. | 3945. | 3869. | 3770. | 3663. | 3481. | 3277. | 3064. | 2811. |
| 0.0 | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. |

||
PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 9 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

CANDELA TABULATION

| HOUSE SIDE | | LATERAL ANGLE | | | | | | | | | |
|------------|--------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|-------------|
| | | 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 | 21. | 21. | 20. | 19. | 18. | 17. | 15. | 12. | 10. | 9. 9. |
| | 85.0 | 22. | 21. | 20. | 19. | 17. | 16. | 14. | 11. | 8. | 6. 6. |
| V | 82.5 | 32. | 26. | 21. | 19. | 17. | 15. | 13. | 10. | 6. | 4. 4. |
| E | 80.0 | 75. | 31. | 23. | 18. | 16. | 14. | 12. | 9. | 5. | 2. 2. |
| R | 77.5 | 147. | 50. | 25. | 19. | 16. | 14. | 11. | 8. | 5. | 2. 1. |
| T | 75.0 | 274. | 87. | 25. | 20. | 16. | 13. | 11. | 8. | 4. | 1. 0. |
| I | 72.5 | 414. | 128. | 26. | 21. | 15. | 13. | 10. | 7. | 4. | 1. 0. |
| C | 70.0<< | 656. | 219. | 31. | 22. | 18. | 13. | 10. | 7. | 4. | 1. 0. |
| A | 67.5 | 985. | 290. | 41. | 22. | 20. | 14. | 10. | 7. | 4. | 1. 0. |
| L | 65.0 | 1194. | 373. | 55. | 24. | 20. | 16. | 10. | 7. | 4. | 1. 0. |
| | 62.5 | 1204. | 443. | 63. | 24. | 19. | 15. | 14. | 7. | 4. | 1. 0. |
| A | 60.0 | 1232. | 537. | 59. | 48. | 18. | 16. | 14. | 11. | 4. | 1. 0. |
| N | 57.5 | 1437. | 608. | 89. | 51. | 19. | 16. | 14. | 13. | 9. | 6. 7. |
| G | 55.0 | 1485. | 709. | 127. | 46. | 22. | 18. | 15. | 13. | 11. | 10. 9. |
| L | 52.5 | 1437. | 797. | 179. | 44. | 25. | 18. | 19. | 15. | 11. | 11. 10. |
| E | 50.0 | 1420. | 787. | 232. | 49. | 38. | 20. | 16. | 22. | 16. | 12. 11. |
| | 47.5 | 1406. | 805. | 268. | 71. | 48. | 21. | 16. | 12. | 10. | 10. 10. |
| | 45.0 | 1463. | 894. | 352. | 78. | 53. | 28. | 19. | 11. | 10. | 9. 10. |
| | 42.5 | 1613. | 1013. | 428. | 82. | 54. | 44. | 20. | 15. | 10. | 9. 10. |
| | 40.0 | 1692. | 1118. | 434. | 121. | 55. | 51. | 34. | 21. | 13. | 11. 12. |
| | 37.5 | 1757. | 1201. | 489. | 196. | 51. | 48. | 57. | 42. | 23. | 17. 19. |
| | 35.0 | 1870. | 1296. | 555. | 310. | 58. | 51. | 68. | 66. | 47. | 39. 41. |
| | 32.5 | 1955. | 1385. | 643. | 368. | 80. | 57. | 58. | 64. | 63. | 62. 68. |
| | 30.0 | 2074. | 1522. | 793. | 404. | 177. | 62. | 54. | 51. | 56. | 61. 70. |
| | 25.0 | 2283. | 1769. | 1091. | 593. | 420. | 215. | 71. | 55. | 52. | 55. 57. |
| | 20.0 | 2341. | 1902. | 1302. | 859. | 553. | 402. | 288. | 186. | 117. | 101. 93. |
| | 15.0 | 2496. | 2121. | 1678. | 1184. | 860. | 623. | 518. | 450. | 398. | 380. 373. |
| | 10.0 | 2608. | 2368. | 1957. | 1717. | 1371. | 1159. | 1001. | 886. | 822. | 809. 790. |
| | 5.0 | 2690. | 2569. | 2366. | 2193. | 2036. | 1942. | 1860. | 1805. | 1729. | 1665. 1685. |
| | 0.0 | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. | 2756. 2756. |

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB04361

PAGE: 10 OF 10

ISSUE DATE: 05/10/18

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: ALED4T125N/480 - RWLED4T125N/480 - RWLED4T125SFN/480 -
WPLED4T125N/480 (TYPE IV)

5-DEGREE ZONAL LUMEN SUMMARY

| | |
|---------|------|
| 0- 5 | 66 |
| 5- 10 | 196 |
| 10- 15 | 330 |
| 15- 20 | 470 |
| 20- 25 | 617 |
| 25- 30 | 770 |
| 30- 35 | 937 |
| 35- 40 | 1139 |
| 40- 45 | 1345 |
| 45- 50 | 1525 |
| 50- 55 | 1658 |
| 55- 60 | 1896 |
| 60- 65 | 2027 |
| 65- 70 | 1981 |
| 70- 75 | 1609 |
| 75- 80 | 797 |
| 80- 85 | 155 |
| 85- 90 | 11 |
| 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 | 263 |
| 0- 20 | 1063 |
| 0- 30 | 2450 |
| 0- 40 | 4526 |
| 0- 50 | 7396 |
| 0- 60 | 10950 |
| 0- 70 | 14957 |
| 0- 80 | 17363 |
| 0- 90 | 17530 |
| 0-100 | 17530 |
| 0-110 | 17530 |
| 0-120 | 17530 |
| 0-130 | 17530 |
| 0-140 | 17530 |
| 0-150 | 17530 |
| 0-160 | 17530 |
| 0-170 | 17530 |
| 0-180 | 17530 |