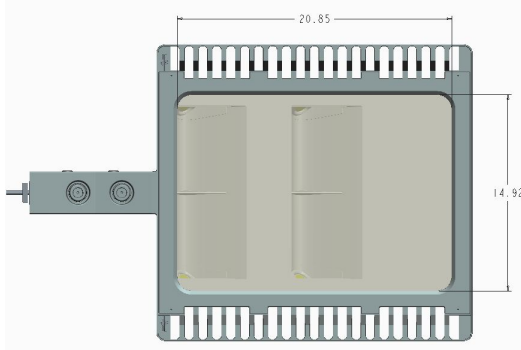


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

Values based on 25 foot mounting height.



REPORT NUMBER: PRORATED FROM RAB01807
ISSUE DATE: 03/28/16 PAGE: 1 OF 9
DATE SAMPLE TESTED: 03/28/16
PREPARED FOR: RAB LIGHTING INC.
CATALOG NUMBER: ALED2T260/480/D10 -
ALED2T260SF/480/D10 -
WPLED2T260/480/D10 -
WPLED2T260FX/480/D10 (TYPE II)
LUMINAIRE: CAST FINNED METAL HOUSING, 4
CHIP ON BOARD LIGHT EMITTING DIODES,
MOLDED PLASTIC REFLECTOR WITH
SPECULAR FINISH, CLEAR GLASS LENS IN
CAST BRONZE PAINTED METAL FRAME.
LAMPS: FOUR WHITE LIGHT EMITTING DIODES
(LEDS)

NOTE: THIS REPORT WAS PRORATED FROM
RAB01807 WHICH WAS ALED2T260/D10.
ACTUAL PERFORMANCE MAY VARY.
TOTAL INPUT WATTS = 258.2 W AT 347.0
VAC.

(SEE PAGE 2 FOR MORE INFORMATION)

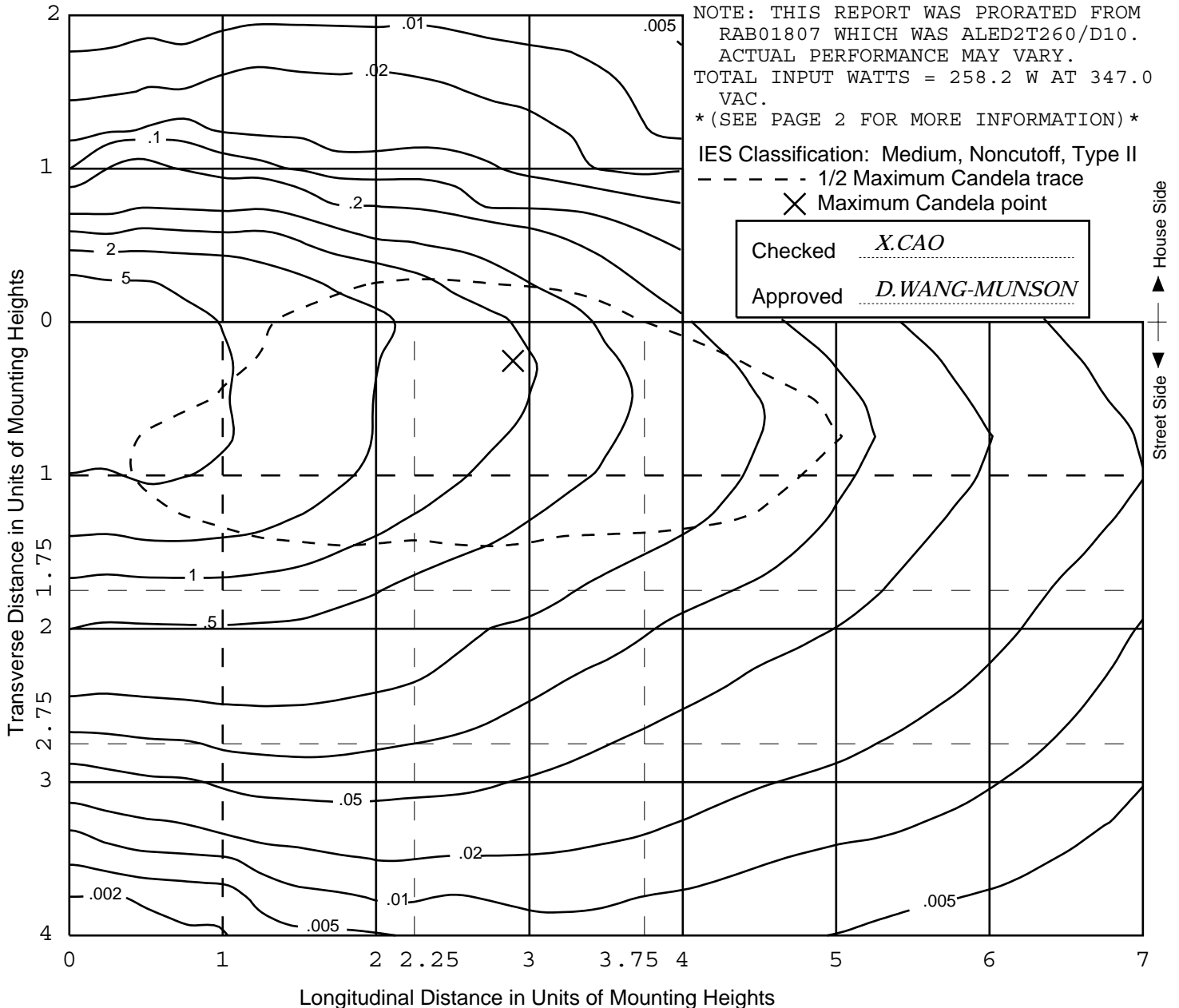
IES Classification: Medium, Noncutoff, Type II

--- 1/2 Maximum Candela trace

X Maximum Candela point

Checked X.CAO

Approved D.WANG-MUNSON



REPORT NUMBER: PRORATED FROM RAB01807
ISSUE DATE: 03/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 2 OF 9
DATE SAMPLE TESTED: 03/28/16

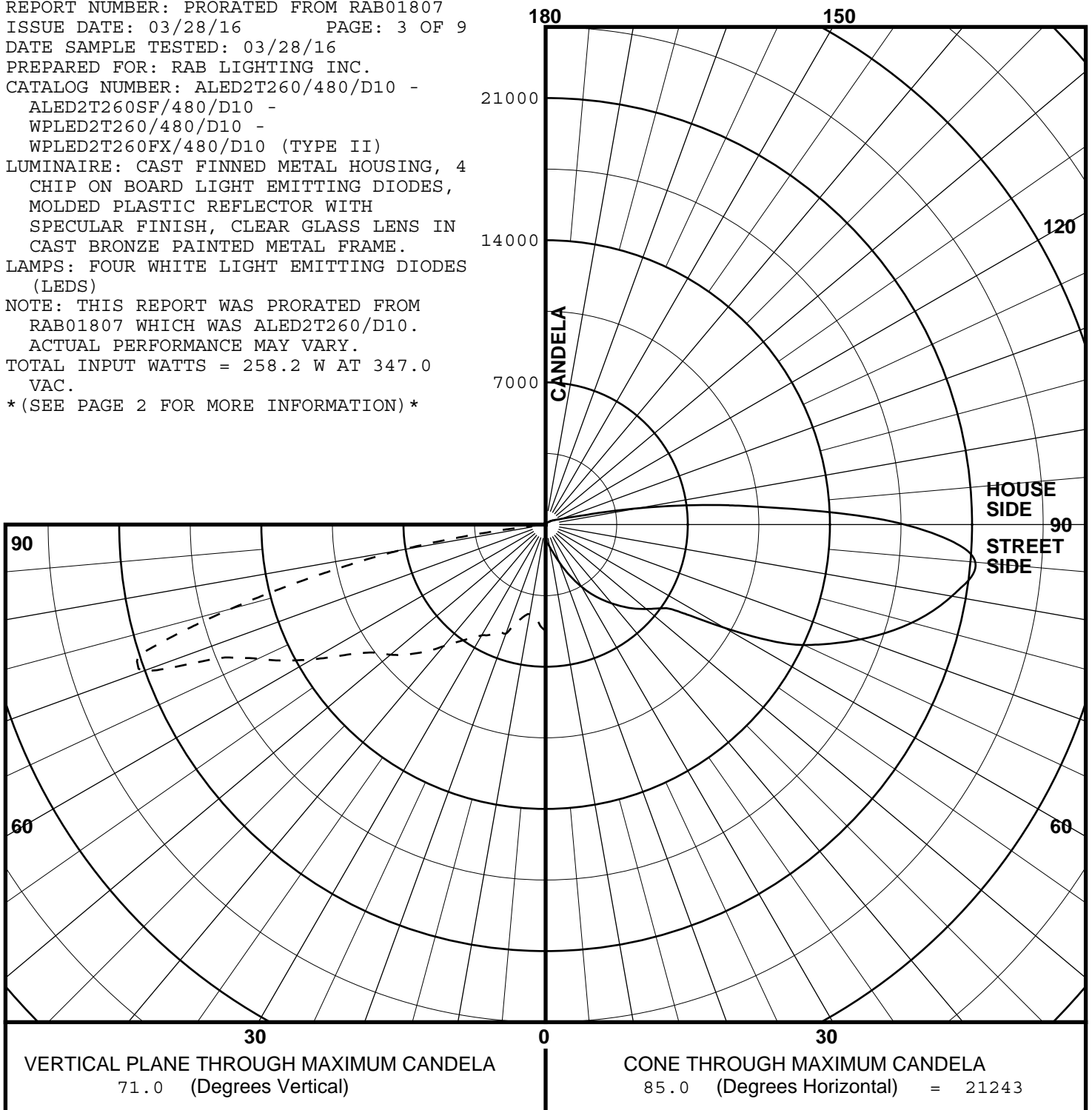
ADDITIONAL INFORMATION

LED DRIVER: RDD-P240-A2200
TEST PROCEDURE: IESNA LM-79-08
ACCREDITED LABORATORY CODE 201058-0
TEST DISTANCE : 28.25 FEET

NOTE: THIS REPORT WITH THE USE OF THE NVLAP LOGO SHALL NOT BE USED BY
THE CLIENT TO CLAIM PRODUCT CERTIFICATION, APPROVAL, OR
ENDORSEMENT BY NVLAP, NIST, OR ANY AGENCY OF THE FEDERAL
GOVERNMENT.

MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

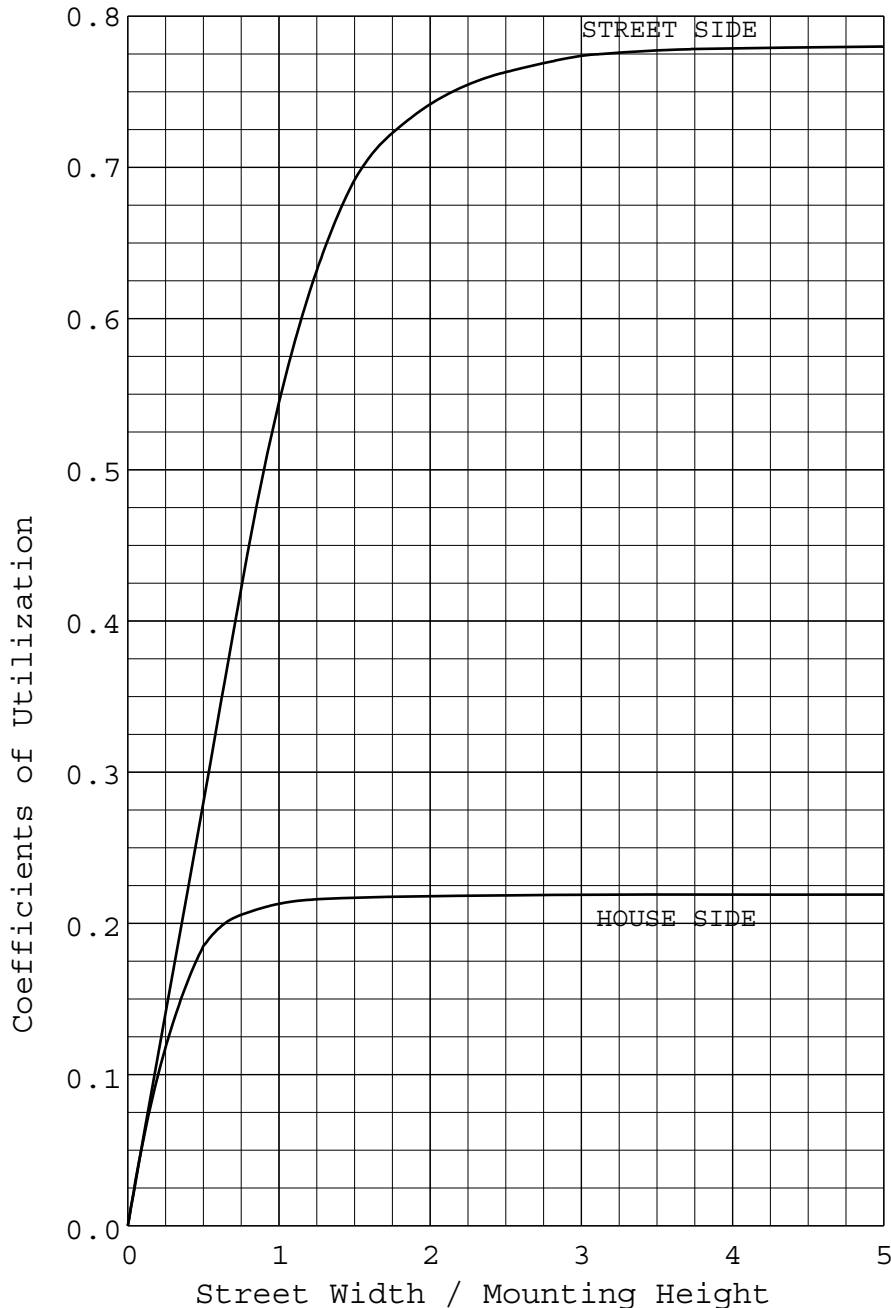
REPORT NUMBER: PRORATED FROM RAB01807
 ISSUE DATE: 03/28/16 PAGE: 3 OF 9
 DATE SAMPLE TESTED: 03/28/16
 PREPARED FOR: RAB LIGHTING INC.
 CATALOG NUMBER: ALED2T260/480/D10 -
 ALED2T260SF/480/D10 -
 WPLED2T260/480/D10 -
 WPLED2T260FX/480/D10 (TYPE II)
 LUMINAIRE: CAST FINNED METAL HOUSING, 4
 CHIP ON BOARD LIGHT EMITTING DIODES,
 MOLDED PLASTIC REFLECTOR WITH
 SPECULAR FINISH, CLEAR GLASS LENS IN
 CAST BRONZE PAINTED METAL FRAME.
 LAMPS: FOUR WHITE LIGHT EMITTING DIODES
 (LEDS)
 NOTE: THIS REPORT WAS PRORATED FROM
 RAB01807 WHICH WAS ALED2T260/D10.
 ACTUAL PERFORMANCE MAY VARY.
 TOTAL INPUT WATTS = 258.2 W AT 347.0
 VAC.
 (SEE PAGE 2 FOR MORE INFORMATION)



REPORT NUMBER: PRORATED FROM RAB01807
ISSUE DATE: 03/28/16
PREPARED FOR: RAB LIGHTING INC.

PAGE: 4 OF 9
DATE SAMPLE TESTED: 03/28/16

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



| | LUMENS | PERCENT OF FIXTURE |
|---------------------------|--------|-----------------------|
| DOWNWARD STREET SIDE | 21714. | 78.0 |
| DOWNWARD HOUSE SIDE | 6112. | 22.0 |
| DOWNWARD TOTAL | 27826. | 100.0 |
| UPWARD STREET SIDE | 0. | 0.0 |
| UPWARD HOUSE SIDE | 0. | 0.0 |
| UPWARD TOTAL | 0. | 0.0 |
| TOTAL FLUX | 27826. | 100.0 |
| TOTAL INPUT WATTS = 258.2 | | |
| EFFICACY = 107.8 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.

REPORT NUMBER: PRORATED FROM RAB01807
 ISSUE DATE: 03/28/16
 PREPARED FOR: RAB LIGHTING INC.

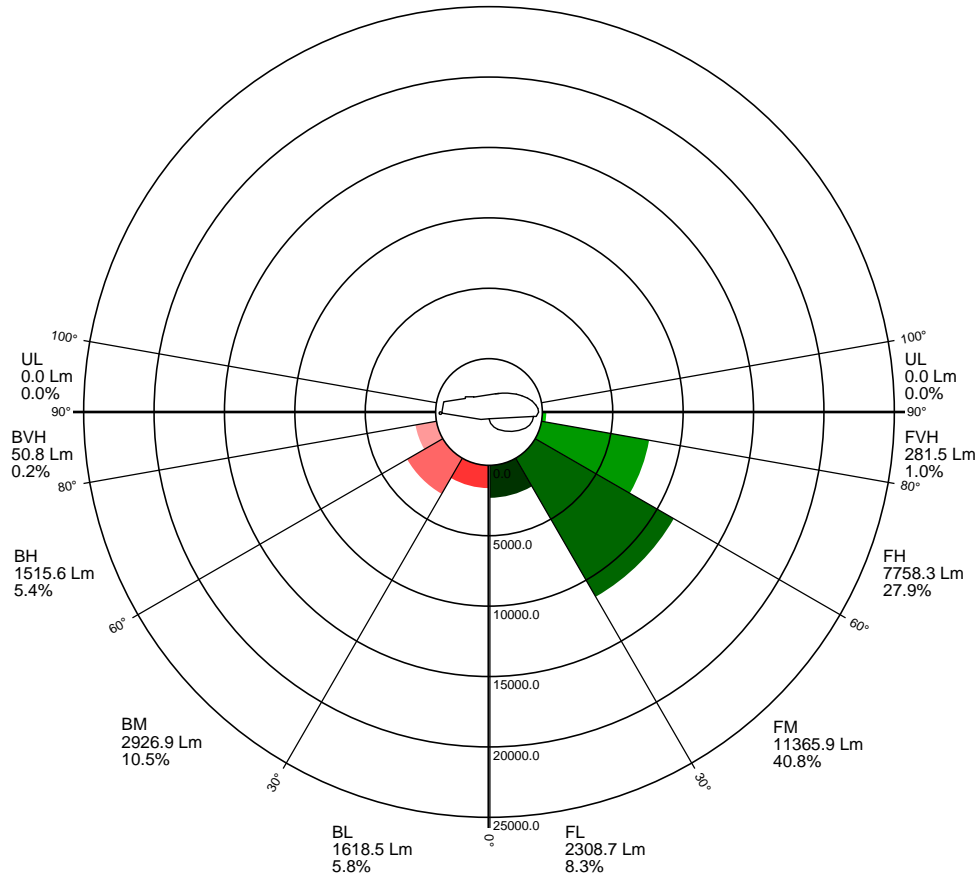
PAGE: 5 OF 9
 DATE SAMPLE TESTED: 03/28/16

| BUG Rating: | | | | B3 | U0 | G4 |
|---------------|---------------|---------|--------------|--------------|----|----|
| Zonal Summary | | Lumens | % of Fixture | Zone Ratings | | |
| | | | | B | U | G |
| Forward | | 21714 | 78.0 | | | |
| FL | (0° – 30°) | 2308.7 | 8.3 | | | |
| FM | (30° – 60°) | 11365.9 | 40.8 | | | |
| FH | (60° – 80°) | 7758.3 | 27.9 | | | G4 |
| FVH | (80° – 90°) | 281.5 | 1.0 | | | G3 |
| Backward | | 6112 | 22.0 | | | |
| BL | (0° – 30°) | 1618.5 | 5.8 | B3 | | |
| BM | (30° – 60°) | 2926.9 | 10.5 | B3 | | |
| BH | (60° – 80°) | 1515.6 | 5.4 | B3 | | G3 |
| BVH | (80° – 90°) | 50.8 | 0.2 | | | G1 |
| 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 | | 27826 | 100.0 | | | |

Zonal Lumen Summary

(Linear scale)

UH
0.0 Lm
0.0%

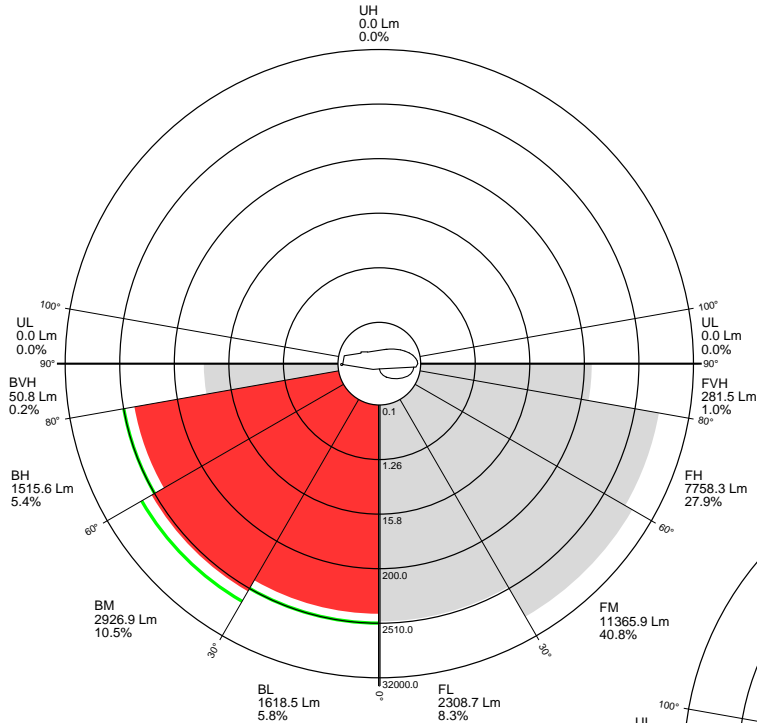


REPORT NUMBER: PRORATED FROM RAB01807
 ISSUE DATE: 03/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 6 OF 9
 DATE SAMPLE TESTED: 03/28/16

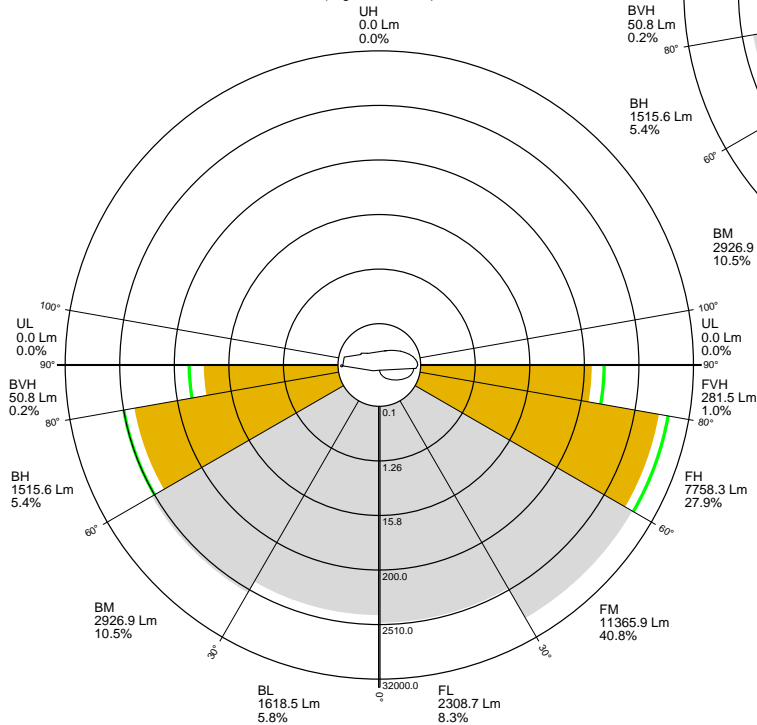
Backlight Rating Details

(Logarithmic scale)



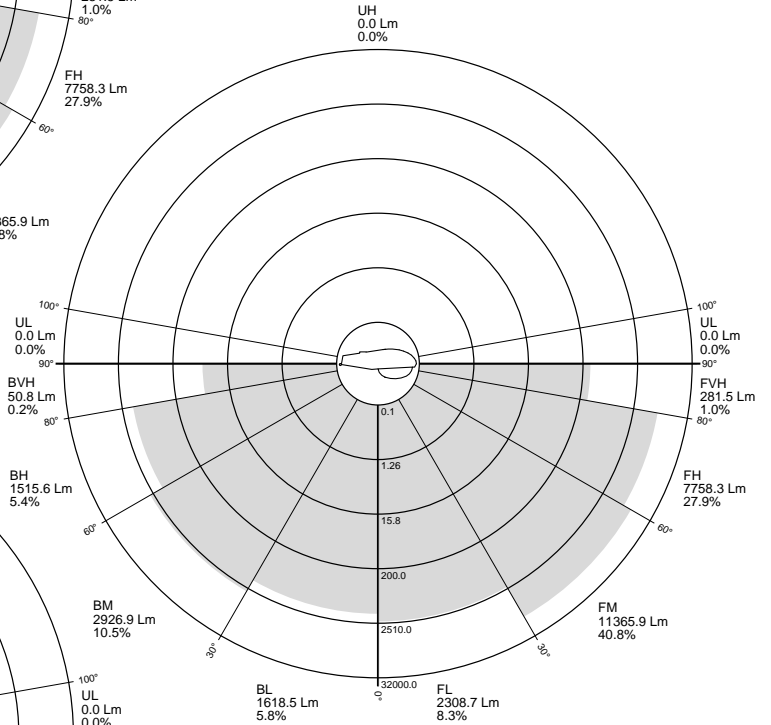
Glare Rating Details

(Logarithmic scale)



Uplight Rating Details

(Logarithmic scale)



PAGE: 7 OF 9
DATE SAMPLE TESTED: 03/28/16

| CANDLE LATERAL ANGLE | | LATERAL ANGLE | | | | | | | | | |
|----------------------|--------|---------------|-------|-------|--------|--------|--------|--------|--------|--------|--------|
| STREET SIDE | | 0.0 | 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. |
| | 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. |
| | 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 87.5 | 20. | 20. | 20. | 24. | 26. | 28. | 25. | 27. | 65. | 81. |
| | 85.0 | 27. | 24. | 24. | 30. | 42. | 53. | 72. | 268. | 406. | 474. |
| | 82.5 | 34. | 27. | 30. | 40. | 65. | 112. | 502. | 1357. | 1853. | 2622. |
| V | 80.0 | 36. | 32. | 36. | 55. | 142. | 630. | 1569. | 3598. | 6327. | 7310. |
| E | 77.5 | 46. | 43. | 53. | 174. | 634. | 1870. | 3383. | 5377. | 11697. | 11425. |
| R | 75.0 | 73. | 68. | 137. | 739. | 1920. | 3651. | 5059. | 8076. | 15879. | 16086. |
| T | 72.5 | 323. | 455. | 842. | 1972. | 3497. | 5346. | 6043. | 12040. | 18314. | 20582. |
| I | 71.0<< | 752. | 904. | 1426. | 2721. | 4330. | 5796. | 7168. | 14034. | 18675. | 21243. |
| C | 70.0 | 1134. | 1262. | 1832. | 3207. | 4754. | 6034. | 8289. | 14844. | 18155. | 21084. |
| A | 67.5 | 2343. | 2282. | 2880. | 4009. | 5142. | 7118. | 11464. | 16136. | 16486. | 17096. |
| L | 65.0 | 3339. | 2965. | 3416. | 4202. | 5624. | 9342. | 14080. | 16517. | 15123. | 15633. |
| | 62.5 | 3614. | 3249. | 3735. | 4694. | 7088. | 11843. | 15477. | 16149. | 14153. | 14504. |
| A | 60.0 | 4104. | 3747. | 4350. | 5997. | 9286. | 13507. | 15925. | 15412. | 13459. | 13274. |
| N | 57.5 | 4784. | 4424. | 5339. | 7860. | 11171. | 14378. | 15693. | 14319. | 12681. | 12029. |
| G | 55.0 | 5814. | 5402. | 6516. | 9426. | 12212. | 14692. | 15082. | 13204. | 11952. | 11025. |
| L | 52.5 | 6802. | 6403. | 7366. | 10568. | 12699. | 14470. | 14024. | 12185. | 11281. | 10380. |
| E | 50.0 | 7496. | 7234. | 8053. | 11235. | 12874. | 13817. | 12802. | 11300. | 10638. | 9964. |
| | 47.5 | 8128. | 7902. | 8449. | 11450. | 12671. | 12685. | 11746. | 10547. | 10126. | 9498. |
| | 45.0 | 8677. | 8447. | 8818. | 11323. | 12176. | 11550. | 10714. | 9980. | 9814. | 8951. |
| | 42.5 | 8560. | 8501. | 9176. | 11155. | 11157. | 10507. | 9893. | 9576. | 9395. | 8408. |
| | 40.0 | 8381. | 8272. | 8922. | 10662. | 10431. | 9851. | 9403. | 9323. | 8852. | 7819. |
| | 37.5 | 8111. | 7909. | 8097. | 9219. | 9635. | 9358. | 9100. | 8854. | 8220. | 7333. |
| | 35.0 | 7662. | 7494. | 7291. | 8134. | 8690. | 8738. | 8583. | 8252. | 7640. | 6930. |
| | 30.0 | 6057. | 6061. | 6061. | 6407. | 7313. | 7486. | 7501. | 7180. | 6649. | 6294. |
| | 25.0 | 5169. | 5152. | 5363. | 5318. | 5882. | 6228. | 6507. | 6244. | 6006. | 5906. |
| | 20.0 | 4968. | 4918. | 4857. | 4808. | 4877. | 5321. | 5348. | 5460. | 5678. | 5714. |
| | 15.0 | 5187. | 5136. | 4852. | 4765. | 4720. | 4638. | 4748. | 4765. | 4793. | 4832. |
| | 10.0 | 5363. | 5331. | 5064. | 4944. | 4858. | 4774. | 4746. | 4658. | 4 | |

REPORT NUMBER: PRORATED FROM RAB01807
 ISSUE DATE: 03/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 8 OF 9
 DATE SAMPLE TESTED: 03/28/16

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. | 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. |
| 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 87.5 | 63. | 34. | 28. | 19. | 18. | 18. | 22. | 22. | 20. | 17. | 17. |
| 85.0 | 338. | 130. | 98. | 23. | 17. | 16. | 20. | 21. | 19. | 17. | 16. |
| 82.5 | 1464. | 583. | 150. | 37. | 20. | 15. | 18. | 19. | 17. | 15. | 15. |
| V 80.0 | 4780. | 2276. | 232. | 60. | 36. | 14. | 16. | 18. | 16. | 15. | 15. |
| E 77.5 | 7129. | 3986. | 345. | 252. | 85. | 27. | 16. | 17. | 15. | 14. | 14. |
| R 75.0 | 10753. | 5998. | 517. | 451. | 165. | 61. | 24. | 20. | 18. | 15. | 15. |
| T 72.5 | 16493. | 9002. | 1102. | 472. | 251. | 96. | 34. | 29. | 25. | 18. | 18. |
| I 71.0 | <<17695. | 10262. | 1507. | 527. | 301. | 124. | 52. | 34. | 28. | 20. | 20. |
| C 70.0 | 17767. | 10877. | 1908. | 522. | 321. | 137. | 67. | 38. | 31. | 22. | 22. |
| A 67.5 | 15668. | 12207. | 2690. | 599. | 356. | 180. | 91. | 50. | 43. | 27. | 27. |
| L 65.0 | 16191. | 13030. | 3002. | 578. | 261. | 202. | 133. | 60. | 54. | 36. | 40. |
| 62.5 | 15653. | 12543. | 3859. | 657. | 316. | 212. | 149. | 69. | 61. | 41. | 49. |
| A 60.0 | 13427. | 11419. | 4990. | 1248. | 511. | 206. | 140. | 85. | 70. | 53. | 53. |
| N 57.5 | 12320. | 11277. | 5707. | 2267. | 635. | 301. | 142. | 96. | 83. | 55. | 60. |
| G 55.0 | 10874. | 10324. | 6000. | 2915. | 765. | 442. | 331. | 114. | 74. | 57. | 62. |
| L 52.5 | 10248. | 9481. | 6262. | 2839. | 1067. | 454. | 486. | 232. | 93. | 60. | 66. |
| E 50.0 | 9903. | 9339. | 6799. | 2798. | 1310. | 490. | 490. | 507. | 270. | 94. | 104. |
| 47.5 | 9335. | 9234. | 7187. | 3081. | 1467. | 803. | 346. | 557. | 462. | 273. | 180. |
| 45.0 | 8647. | 8625. | 7112. | 3450. | 1572. | 1011. | 498. | 431. | 344. | 264. | 174. |
| 42.5 | 8124. | 7977. | 6803. | 3791. | 1730. | 1138. | 739. | 656. | 258. | 267. | 159. |
| 40.0 | 7675. | 7531. | 6581. | 4104. | 2019. | 1284. | 852. | 538. | 286. | 274. | 178. |
| 37.5 | 7230. | 7153. | 6433. | 4431. | 2397. | 1409. | 1007. | 630. | 342. | 347. | 324. |
| 35.0 | 6878. | 6813. | 6321. | 4705. | 2822. | 1652. | 1174. | 755. | 438. | 525. | 532. |
| 30.0 | 6290. | 6269. | 5976. | 5133. | 3749. | 2510. | 1644. | 1031. | 726. | 919. | 983. |
| 25.0 | 5917. | 5866. | 5730. | 5301. | 4483. | 3434. | 2385. | 1642. | 1204. | 1297. | 1367. |
| 20.0 | 5741. | 5708. | 5512. | 5129. | 4564. | 4002. | 3213. | 2527. | 2262. | 2277. | 2337. |
| 15.0 | 4856. | 4848. | 4745. | 4635. | 4398. | 4114. | 3798. | 3587. | 3656. | 3802. | 3884. |
| 10.0 | 4483. | 4460. | 4409. | 4313. | 4297. | 4370. | 4378. | 4482. | 4749. | 4888. | 4937. |
| 5.0 | 4687. | 4663. | 4667. | 4634. | 4673. | 4725. | 4797. | 4907. | 5056. | 5118. | 5138. |
| 0.0 | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. | 5241. |

CONE OF MAXIMUM CANDELA

REPORT NUMBER: PRORATED FROM RAB01807
 ISSUE DATE: 03/28/16
 PREPARED FOR: RAB LIGHTING INC.

PAGE: 9 OF 9
 DATE SAMPLE TESTED: 03/28/16

5-DEGREE ZONAL LUMEN SUMMARY

| | |
|---------|------|
| 0- 5 | 121 |
| 5- 10 | 341 |
| 10- 15 | 541 |
| 15- 20 | 743 |
| 20- 25 | 967 |
| 25- 30 | 1215 |
| 30- 35 | 1518 |
| 35- 40 | 1891 |
| 40- 45 | 2286 |
| 45- 50 | 2652 |
| 50- 55 | 2912 |
| 55- 60 | 3034 |
| 60- 65 | 2961 |
| 65- 70 | 2797 |
| 70- 75 | 2306 |
| 75- 80 | 1210 |
| 80- 85 | 310 |
| 85- 90 | 22 |
| 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 | 462 |
| 0- 20 | 1745 |
| 0- 30 | 3927 |
| 0- 40 | 7337 |
| 0- 50 | 12274 |
| 0- 60 | 18220 |
| 0- 70 | 23978 |
| 0- 80 | 27494 |
| 0- 90 | 27826 |
| 0-100 | 27826 |
| 0-110 | 27826 |
| 0-120 | 27826 |
| 0-130 | 27826 |
| 0-140 | 27826 |
| 0-150 | 27826 |
| 0-160 | 27826 |
| 0-170 | 27826 |
| 0-180 | 27826 |