

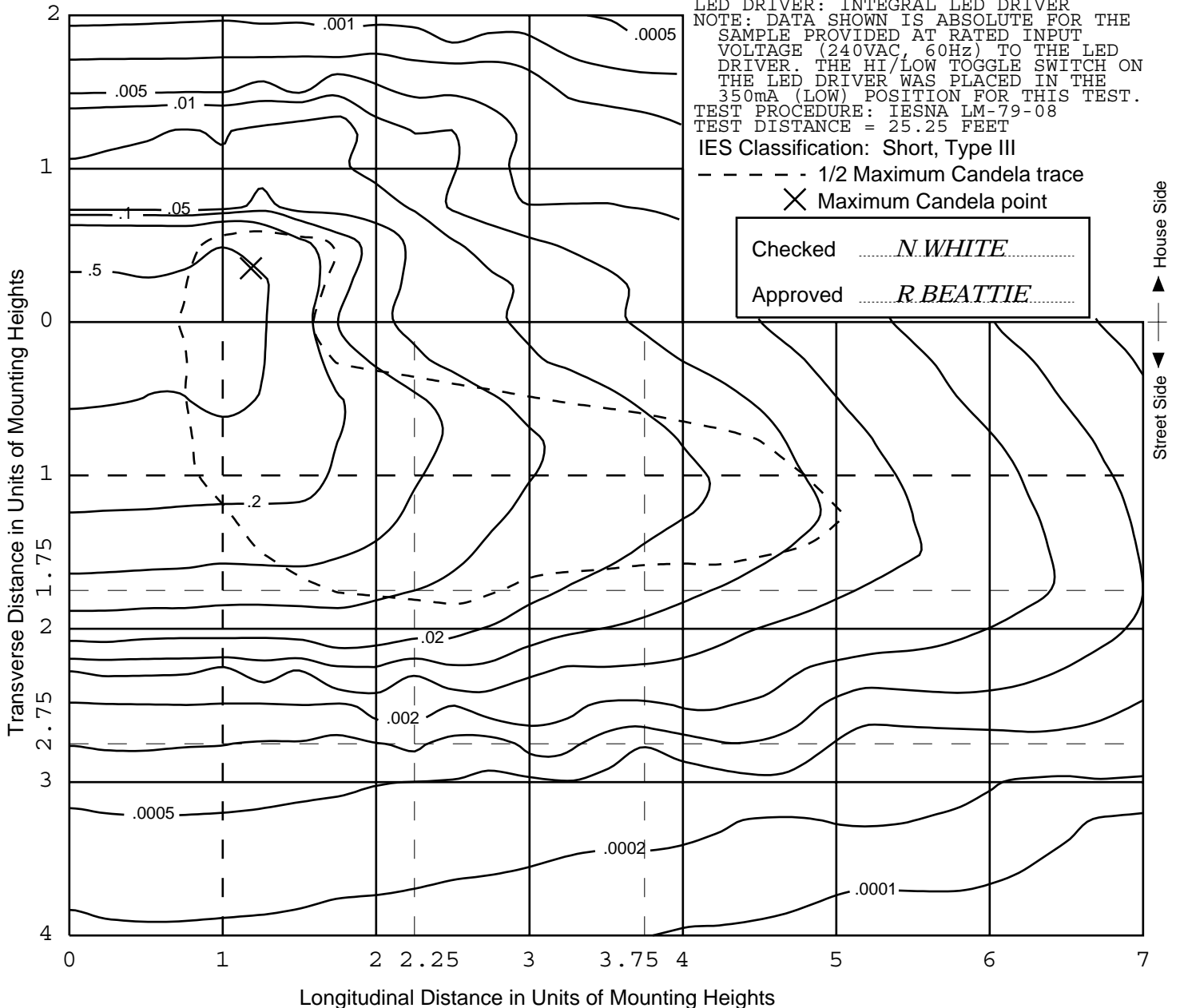
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THE LIGHT CENTER OF THE INDUSTRY SINCE 1955

INDEPENDENT TESTING LABORATORIES, INC.
 3386 LONGHORN ROAD, BOULDER, CO 80302 USA

PHONE: (303)442-1255 • FAX: (303)449-5274 • E-MAIL: itl@itlboulder.com • WEBSITE: www.itlboulder.com

ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
 Values based on 25 foot mounting height.

REPORT NUMBER: ITL63594
 DATE: 11/11/09
 PREPARED FOR: ECOFIT LIGHTING
 CATALOG NUMBER: DURASTREET 30 SERIES
 350 - TYPE 3
 LUMINAIRE: CAST METAL HOUSING. ONE LED MODULE CONSISTING OF: CAST FINNED METAL HEAT SINK AND LED DRIVER HOUSING, ONE WHITE CIRCUIT BOARD WITH FIVE ROWS OF SIX LEDS, ONE CLEAR PLASTIC LENS BELOW EACH LED, FIVE MOLDED BLACK PLASTIC REFLECTORS WITH SPECULAR FINISH AND BLACK SECTION AT EACH END, CLEAR PLASTIC LENS. CAST GRAY PAINTED METAL DOOR FRAME. LED MODULE NOT DISASSEMBLED FOR INSPECTION.
 LAMP: THIRTY WHITE LIGHT EMITTING DIODES (LEDS), VERTICAL BASE-UP POSITION.
 TOTAL INPUT WATTS = 39.0 AT 240.0 VOLTS
 LED DRIVER: INTEGRAL LED DRIVER
 NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER. THE HI/LOW TOGGLE SWITCH ON THE LED DRIVER WAS PLACED IN THE 350mA (LOW) POSITION FOR THIS TEST.
 TEST PROCEDURE: IESNA LM-79-08
 TEST DISTANCE = 25.25 FEET
 IES Classification: Short, Type III





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LAMP: THIRTY WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP POSITION.

TOTAL INPUT WATTS = 39.0 AT 240.0 VOLTS

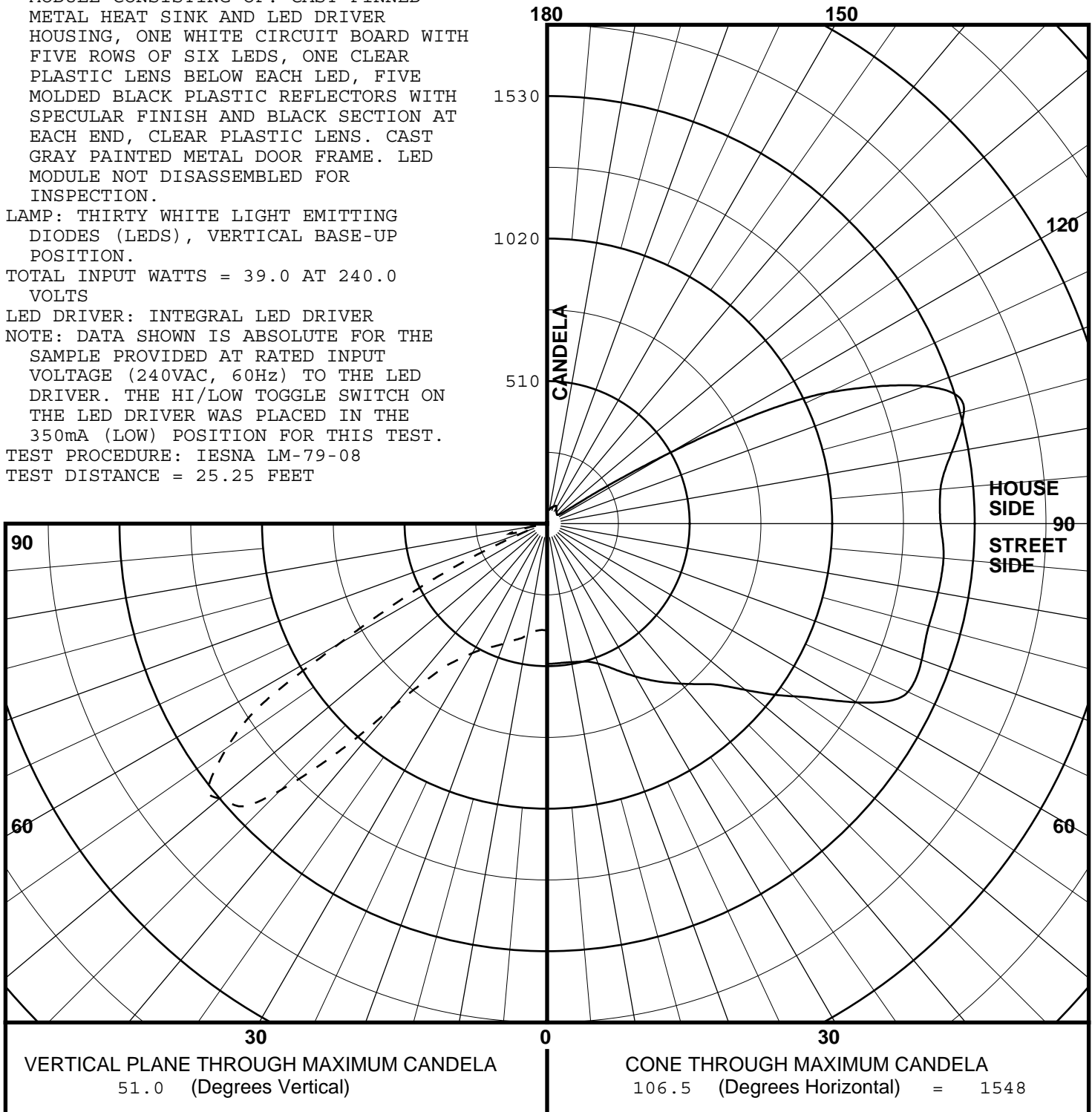
LED DRIVER: INTEGRAL LED DRIVER

NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (240VAC, 60Hz) TO THE LED DRIVER. THE HI/LOW TOGGLE SWITCH ON THE LED DRIVER WAS PLACED IN THE 350mA (LOW) POSITION FOR THIS TEST.

TEST PROCEDURE: IESNA LM-79-08

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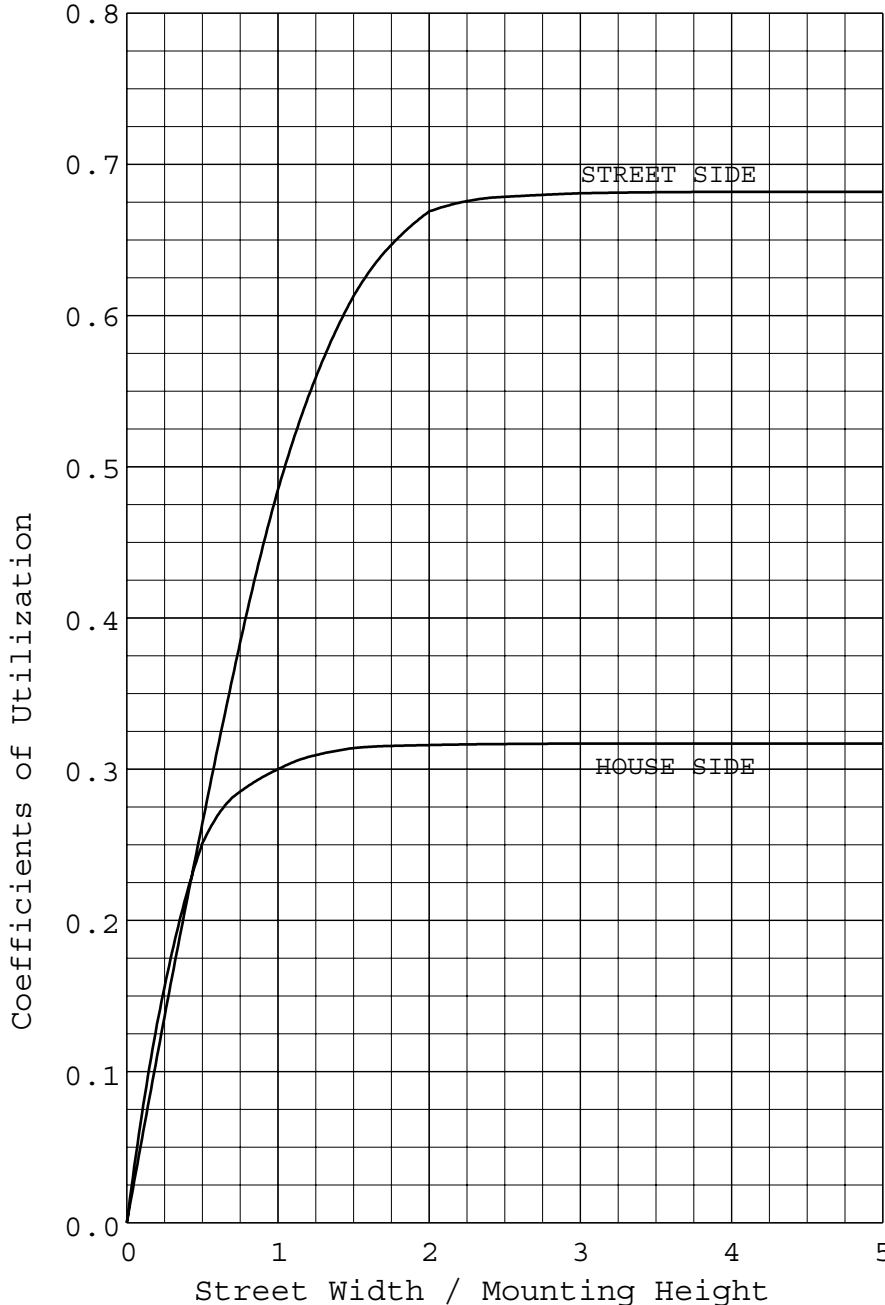
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA





REPORT NUMBER: ITL63594
 DATE: 11/11/09
 PREPARED FOR: ECOFIT LIGHTING

COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



| | LUMENS | PERCENT OF FIXTURE |
|----------------------|--------|--------------------|
| DOWNWARD STREET SIDE | 1615. | 68.2 |
| DOWNWARD HOUSE SIDE | 751. | 31.8 |
| DOWNWARD TOTAL | 2366. | 100.0 |
| UPWARD STREET SIDE | 0. | 0.0 |
| UPWARD HOUSE SIDE | 0. | 0.0 |
| UPWARD TOTAL | 0. | 0.0 |
| TOTAL FLUX | 2366. | 100.0 |
| EFFICACY = 60.7 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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REPORT NUMBER: ITL63594
DATE: 11/11/09
PREPARED FOR: ECOFIT LIGHTING

FLUX DISTRIBUTION BY SOLID ANGLE
(PER IESNA TM-15-07, LUMINAIRE CLASSIFICATION
SYSTEM FOR OUTDOOR LUMINAIRES)

| | LUMENS | PERCENT OF FIXTURE |
|---------------|--------|--------------------------|
| FORWARD LIGHT | 1615. | 68.2 |
| FL (0- 30) | | 7.9 |
| FM (30- 60) | | 38.4 |
| FH (60- 80) | | 21.4 |
| FVH(80- 90) | | 0.6 |
| BACK LIGHT | 751. | 31.8 |
| BL (0- 30) | | 7.5 |
| BM (30- 60) | | 19.9 |
| BH (60- 80) | | 4.2 |
| BVH(80- 90) | | 0.2 |
| UPLIGHT | 0. | 0.0 |
| UL (90-100) | | 0.0 |
| UH (100-180) | | 0.0 |
| TRAPPED LIGHT | 0. | 0.0 |
| TOTAL FLUX | 2366. | 100.0 |



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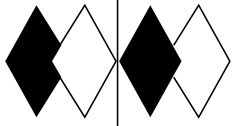
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 PREPARED FOR: ECOFIT LIGHTING

DATE: 11/11/09

CANDELA TABULATION

| | LATERAL ANGLE | | | | | | | | | | | |
|---|---------------|------|------|------|------|------|-------|-------|-------|-------|-------|-------|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 85.0 | 90.0 | |
| 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | |
| 87.5 | 0. | 0. | 0. | 1. | 1. | 2. | 3. | 5. | 10. | 7. | 5. | |
| 85.0 | 1. | 1. | 1. | 2. | 3. | 4. | 7. | 12. | 38. | 24. | 15. | |
| 82.5 | 2. | 2. | 2. | 3. | 5. | 7. | 12. | 23. | 179. | 89. | 49. | |
| 80.0 | 3. | 4. | 4. | 5. | 7. | 11. | 20. | 82. | 661. | 277. | 171. | |
| 77.5 | 6. | 6. | 7. | 8. | 11. | 17. | 40. | 497. | 1118. | 501. | 308. | |
| 75.0 | 8. | 9. | 10. | 12. | 16. | 28. | 260. | 829. | 1229. | 467. | 335. | |
| 72.5 | 11. | 12. | 14. | 17. | 23. | 134. | 825. | 1060. | 1223. | 438. | 340. | |
| 70.0 | 16. | 17. | 19. | 24. | 63. | 559. | 1105. | 1172. | 1263. | 437. | 347. | |
| 67.5 | 23. | 25. | 31. | 68. | 266. | 851. | 1247. | 1239. | 1289. | 416. | 340. | |
| 65.0 | 70. | 79. | 114. | 259. | 530. | 965. | 1260. | 1226. | 1288. | 446. | 380. | |
| 62.5 | 256. | 264. | 342. | 460. | 615. | 965. | 1362. | 1265. | 1162. | 491. | 437. | |
| 60.0 | 408. | 412. | 439. | 528. | 665. | 896. | 1414. | 1451. | 1119. | 578. | 521. | |
| 57.5 | 462. | 462. | 482. | 574. | 667. | 862. | 1291. | 1488. | 1249. | 854. | 800. | |
| V E R T I C A L A N G L E | 55.0 | 492. | 490. | 511. | 581. | 652. | 881. | 1170. | 1494. | 1303. | 1105. | 1060. |
| | 52.5 | 509. | 505. | 512. | 568. | 672. | 861. | 1110. | 1461. | 1386. | 1344. | 1317. |
| | 51.0<< | 502. | 501. | 511. | 576. | 689. | 812. | 1077. | 1425. | 1414. | 1424. | 1408. |
| | 50.0 | 500. | 499. | 513. | 586. | 699. | 769. | 1030. | 1379. | 1427. | 1474. | 1461. |
| | 47.5 | 519. | 522. | 535. | 615. | 660. | 714. | 940. | 1249. | 1408. | 1502. | 1496. |
| | 45.0 | 541. | 543. | 563. | 605. | 601. | 692. | 850. | 1027. | 1286. | 1434. | 1442. |
| | 42.5 | 546. | 547. | 528. | 535. | 593. | 674. | 760. | 830. | 1113. | 1283. | 1299. |
| | 40.0 | 488. | 488. | 494. | 532. | 587. | 651. | 681. | 699. | 892. | 1052. | 1075. |
| | 37.5 | 488. | 490. | 500. | 529. | 584. | 609. | 599. | 624. | 727. | 836. | 856. |
| | 35.0 | 497. | 498. | 507. | 535. | 562. | 566. | 540. | 574. | 637. | 693. | 701. |
| | 32.5 | 509. | 508. | 511. | 523. | 532. | 522. | 502. | 542. | 582. | 613. | 616. |
| | 30.0 | 497. | 496. | 496. | 501. | 500. | 476. | 483. | 511. | 546. | 565. | 566. |
| | 27.5 | 477. | 477. | 475. | 473. | 459. | 451. | 468. | 493. | 519. | 529. | 530. |
| | 25.0 | 452. | 451. | 446. | 436. | 431. | 441. | 460. | 481. | 499. | 502. | 502. |
| | 22.5 | 417. | 415. | 413. | 412. | 419. | 435. | 449. | 467. | 479. | 484. | 482. |
| | 20.0 | 399. | 399. | 399. | 404. | 417. | 429. | 441. | 456. | 465. | 466. | 465. |
| | 17.5 | 398. | 398. | 398. | 403. | 410. | 424. | 436. | 444. | 448. | 447. | 447. |
| | 15.0 | 397. | 398. | 395. | 401. | 406. | 418. | 429. | 434. | 435. | 434. | 433. |
| | 12.5 | 396. | 397. | 395. | 398. | 403. | 410. | 419. | 423. | 424. | 424. | 422. |
| | 10.0 | 396. | 397. | 397. | 397. | 400. | 403. | 405. | 408. | 408. | 408. | 407. |
| | 7.5 | 396. | 395. | 395. | 397. | 395. | 395. | 397. | 396. | 395. | 394. | 392. |
| | 5.0 | 392. | 391. | 391. | 391. | 390. | 389. | 389. | 388. | 388. | 386. | 386. |
| | 2.5 | 387. | 386. | 386. | 385. | 385. | 384. | 385. | 384. | 384. | 383. | 382. |
| | 0.0 | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. |

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION

| | HOUSE SIDE | | LATERAL ANGLE | | | | | | | | |
|---|------------|-------|---------------|-------|-------|-------|-------|-------|-------|-------|-------|
| | 95.0 | 105.0 | 106.5 | 115.0 | 125.0 | 135.0 | 145.0 | 155.0 | 165.0 | 175.0 | 180.0 |
| | | | | | | | | | | | |
| | 90.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 87.5 | 4. | 3. | 2. | 2. | 1. | 1. | 0. | 0. | 0. | 0. |
| | 85.0 | 13. | 8. | 7. | 5. | 3. | 2. | 1. | 1. | 1. | 1. |
| | 82.5 | 40. | 17. | 17. | 9. | 5. | 3. | 2. | 2. | 1. | 1. |
| | 80.0 | 163. | 38. | 33. | 14. | 7. | 5. | 3. | 2. | 2. | 2. |
| | 77.5 | 307. | 108. | 99. | 19. | 10. | 6. | 4. | 3. | 2. | 2. |
| | 75.0 | 334. | 103. | 140. | 39. | 12. | 8. | 5. | 4. | 3. | 2. |
| | 72.5 | 336. | 76. | 79. | 111. | 19. | 9. | 6. | 5. | 4. | 3. |
| | 70.0 | 367. | 125. | 82. | 199. | 37. | 12. | 7. | 5. | 5. | 4. |
| | 67.5 | 359. | 318. | 175. | 138. | 101. | 18. | 9. | 7. | 5. | 4. |
| | 65.0 | 399. | 560. | 363. | 103. | 238. | 33. | 12. | 8. | 6. | 5. |
| | 62.5 | 464. | 684. | 585. | 93. | 253. | 75. | 18. | 10. | 7. | 6. |
| | 60.0 | 546. | 844. | 859. | 90. | 151. | 124. | 36. | 14. | 10. | 8. |
| | 57.5 | 843. | 1220. | 1228. | 188. | 113. | 117. | 66. | 29. | 15. | 11. |
| V | 55.0 | 1087. | 1402. | 1399. | 553. | 88. | 70. | 94. | 49. | 32. | 25. |
| E | 52.5 | 1330. | 1522. | 1522. | 984. | 69. | 54. | 72. | 72. | 46. | 38. |
| R | 51.0<< | 1413. | 1544. | 1548. | 1110. | 64. | 49. | 57. | 70. | 59. | 48. |
| T | 50.0 | 1459. | 1511. | 1531. | 1197. | 68. | 46. | 52. | 58. | 63. | 59. |
| I | 47.5 | 1485. | 1478. | 1497. | 1187. | 170. | 40. | 45. | 42. | 46. | 50. |
| C | 45.0 | 1420. | 1333. | 1349. | 1063. | 390. | 39. | 39. | 38. | 37. | 37. |
| A | 42.5 | 1278. | 1114. | 1113. | 896. | 535. | 63. | 36. | 34. | 33. | 32. |
| L | 40.0 | 1051. | 886. | 855. | 747. | 559. | 199. | 38. | 32. | 31. | 29. |
| | 37.5 | 837. | 724. | 701. | 654. | 553. | 379. | 76. | 34. | 29. | 28. |
| A | 35.0 | 692. | 629. | 615. | 596. | 538. | 450. | 238. | 59. | 36. | 31. |
| N | 32.5 | 611. | 580. | 571. | 538. | 526. | 464. | 375. | 202. | 85. | 53. |
| G | 30.0 | 562. | 542. | 535. | 496. | 495. | 468. | 412. | 343. | 251. | 197. |
| L | 27.5 | 528. | 514. | 509. | 478. | 485. | 451. | 428. | 384. | 355. | 337. |
| E | 25.0 | 500. | 491. | 489. | 467. | 451. | 441. | 427. | 407. | 388. | 375. |
| | 22.5 | 482. | 475. | 473. | 459. | 431. | 441. | 413. | 402. | 402. | 395. |
| | 20.0 | 464. | 458. | 457. | 448. | 425. | 412. | 421. | 398. | 386. | 385. |
| | 17.5 | 446. | 443. | 442. | 436. | 424. | 405. | 393. | 399. | 398. | 393. |
| | 15.0 | 432. | 430. | 430. | 427. | 419. | 404. | 385. | 374. | 373. | 376. |
| | 12.5 | 421. | 419. | 419. | 416. | 410. | 398. | 386. | 379. | 373. | 370. |
| | 10.0 | 406. | 403. | 403. | 400. | 396. | 392. | 386. | 381. | 378. | 377. |
| | 7.5 | 392. | 390. | 390. | 389. | 388. | 388. | 385. | 383. | 381. | 380. |
| | 5.0 | 385. | 384. | 384. | 384. | 382. | 381. | 381. | 380. | 379. | 380. |
| | 2.5 | 381. | 381. | 381. | 381. | 380. | 381. | 380. | 380. | 380. | 379. |
| | 0.0 | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. | 382. |

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 PLANE OF MAXIMUM CANDELA

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