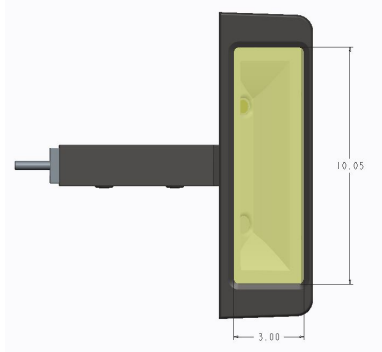


### ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION

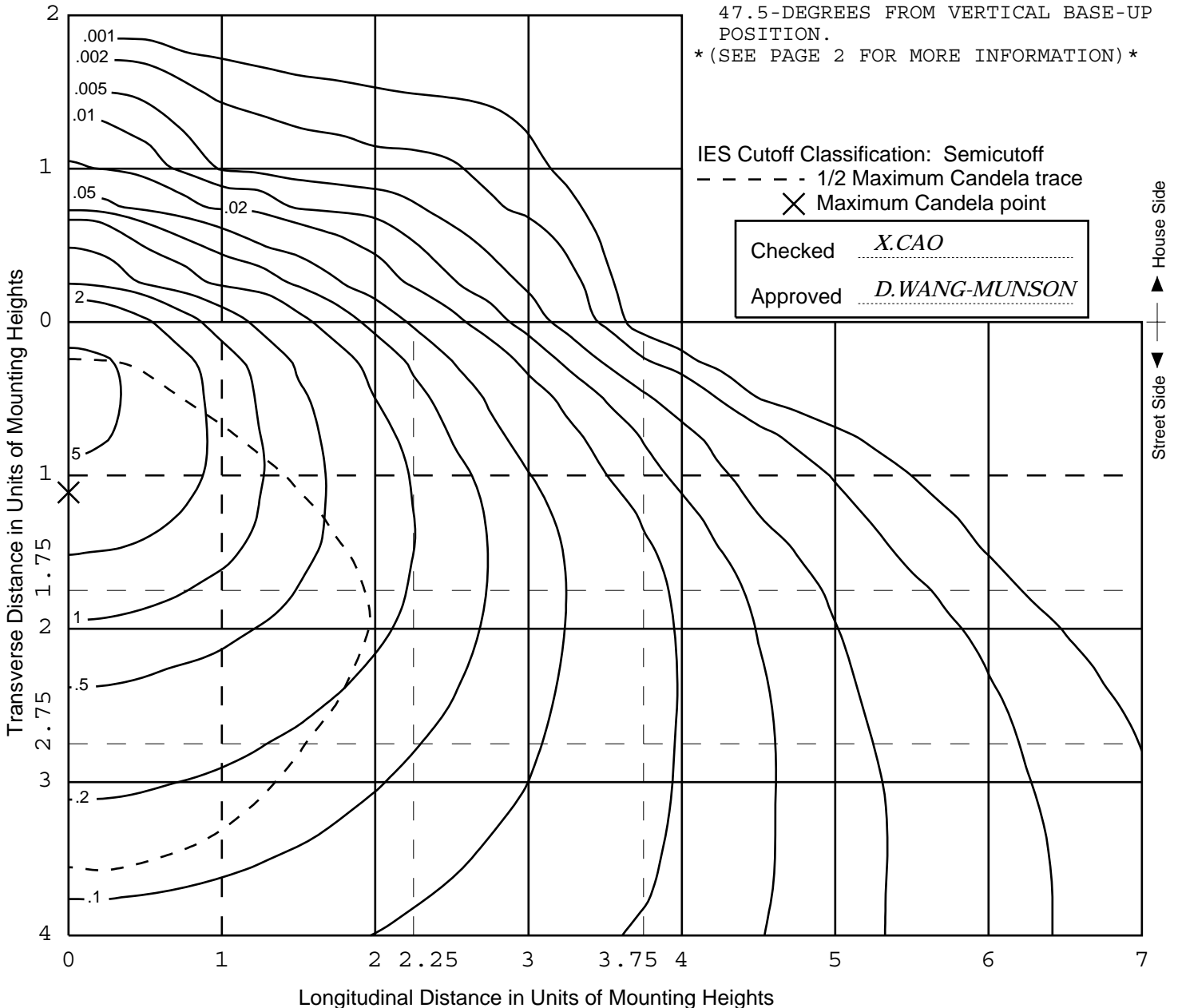
Values based on 20 foot mounting height.



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 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDC52/WPLEDC52  
 (7.5-DEGREE UPTILT - CUTOFF)  
 LUMINAIRE: CAST FINNED METAL HOUSING,  
 2-PIECE EXTRUDED METAL HEAT SINK, 2  
 CIRCUIT BOARDS EACH WITH 1 LED,  
 MOLDED PLASTIC REFLECTOR WITH  
 SPECULAR FINISH AND 1 OPTICAL  
 COMPARTMENT WITH 1 APERTURE PER LED,  
 CLEAR FLAT GLASS LENS IN CAST BROWN  
 PAINTED METAL FRAME.  
 LAMPS: TWO WHITE MULTI-CHIP LIGHT  
 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.

\*(SEE PAGE 2 FOR MORE INFORMATION)\*

IES Cutoff Classification: Semicutoff  
 - - - - 1/2 Maximum Candela trace  
 X Maximum Candela point



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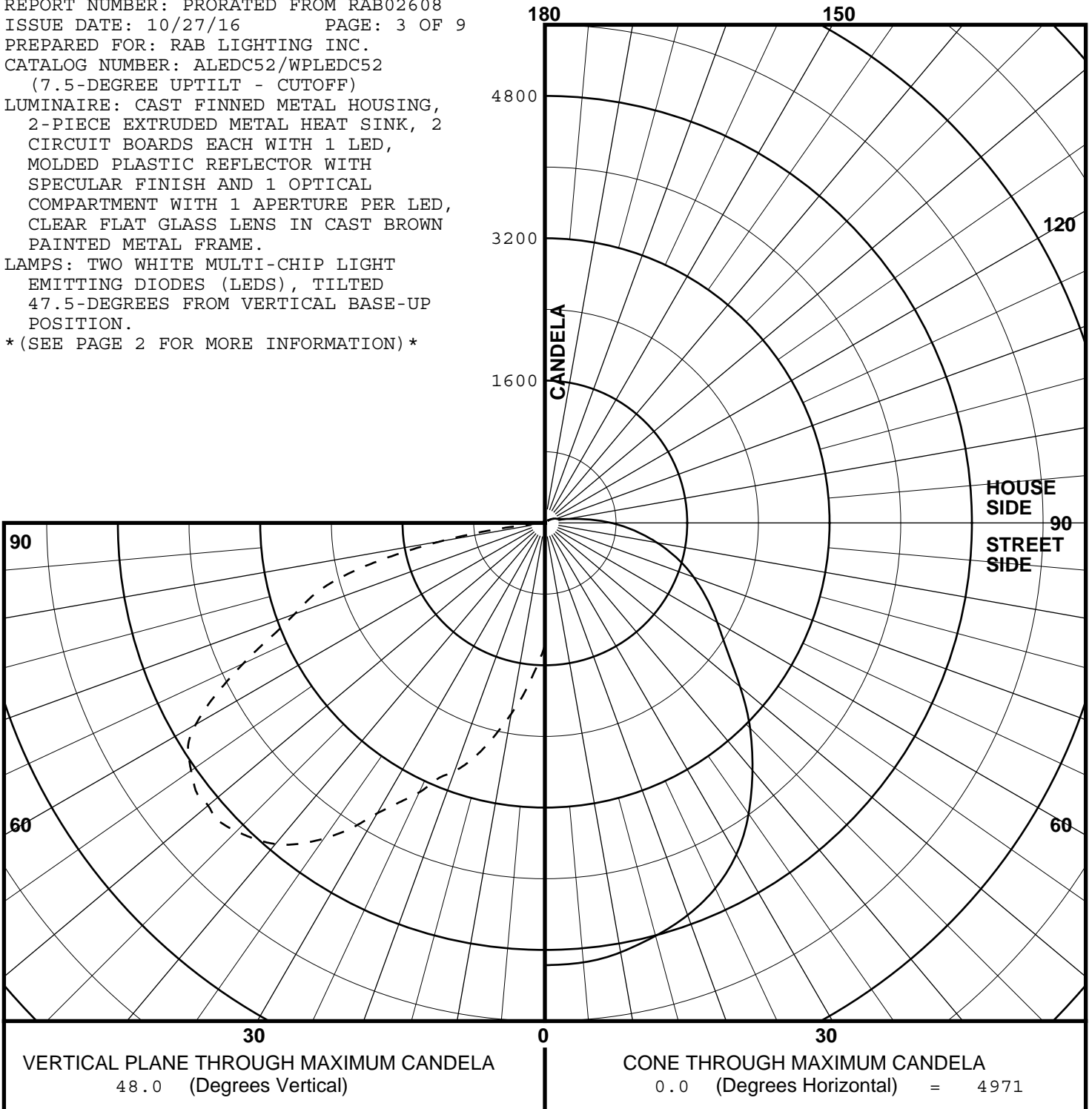
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## ADDITIONAL INFORMATION

NOTE: THIS REPORT WAS PRORATED FROM RAB02608 WHICH WAS  
ALED52Y/WPLEDC52Y. ACTUAL PERFORMANCE MAY VARY.  
TOTAL INPUT WATTS = 58.7 W AT 120.0 VAC.  
LED DRIVER: RD-052-A1400-R  
TEST PROCEDURE: IESNA LM-79-08

### MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA

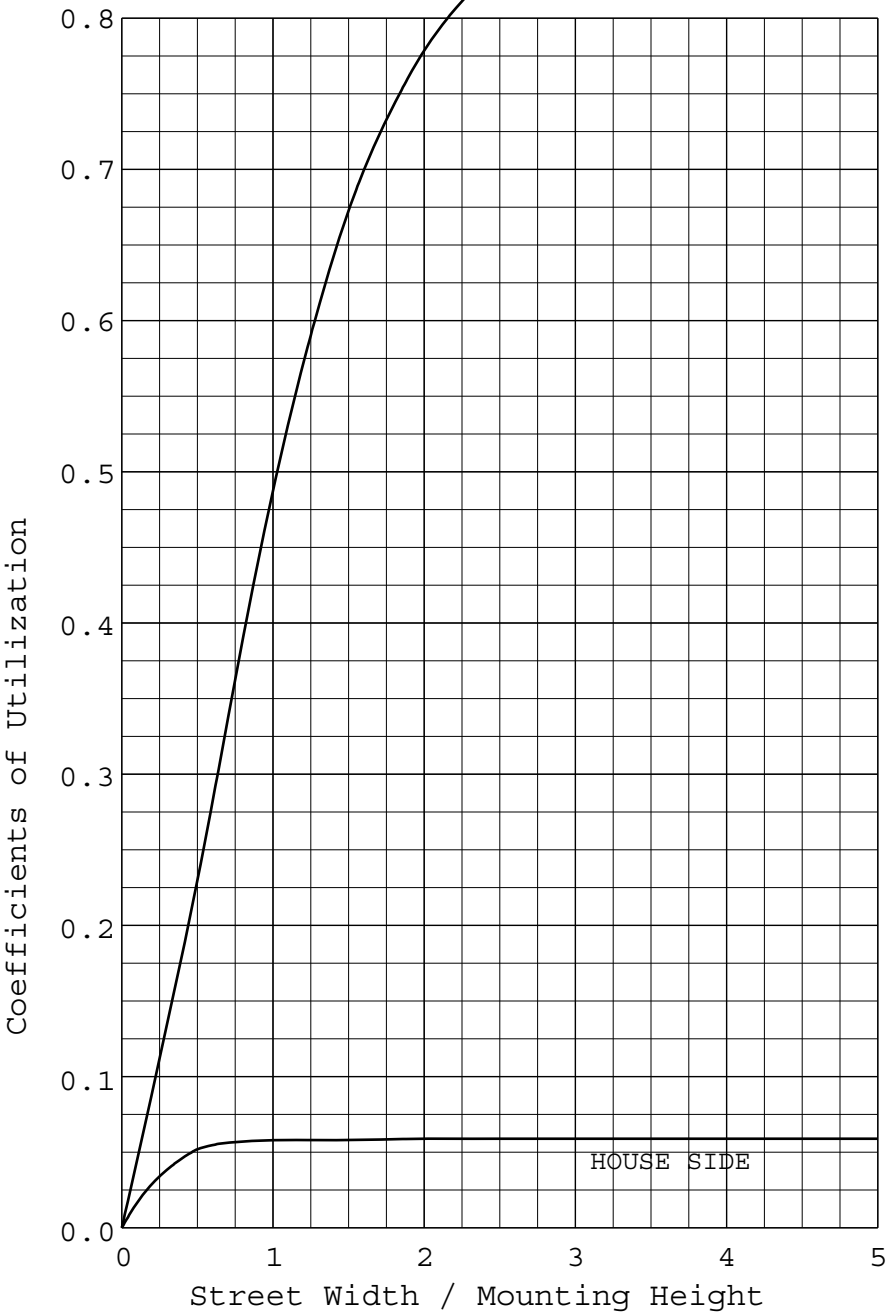
REPORT NUMBER: PRORATED FROM RAB02608  
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 PREPARED FOR: RAB LIGHTING INC.  
 CATALOG NUMBER: ALEDC52/WPLEDC52  
 (7.5-DEGREE UPTILT - CUTOFF)  
 LUMINAIRE: CAST FINNED METAL HOUSING,  
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 EMITTING DIODES (LEDs), TILTED  
 47.5-DEGREES FROM VERTICAL BASE-UP  
 POSITION.  
 \*(SEE PAGE 2 FOR MORE INFORMATION)\*



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



|                          | LUMENS | PERCENT<br>OF FIXTURE |
|--------------------------|--------|-----------------------|
| DOWNWARD<br>STREET SIDE  | 6694.  | 94.0                  |
| DOWNWARD<br>HOUSE SIDE   | 424.   | 6.0                   |
| DOWNWARD<br>TOTAL        | 7118.  | 100.0                 |
| UPWARD<br>STREET SIDE    | 1.     | 0.0                   |
| UPWARD<br>HOUSE SIDE     | 0.     | 0.0                   |
| UPWARD<br>TOTAL          | 1.     | 0.0                   |
| TOTAL<br>FLUX            | 7119.  | 100.0                 |
| TOTAL INPUT WATTS = 58.7 |        |                       |
| EFFICACY = 121.3 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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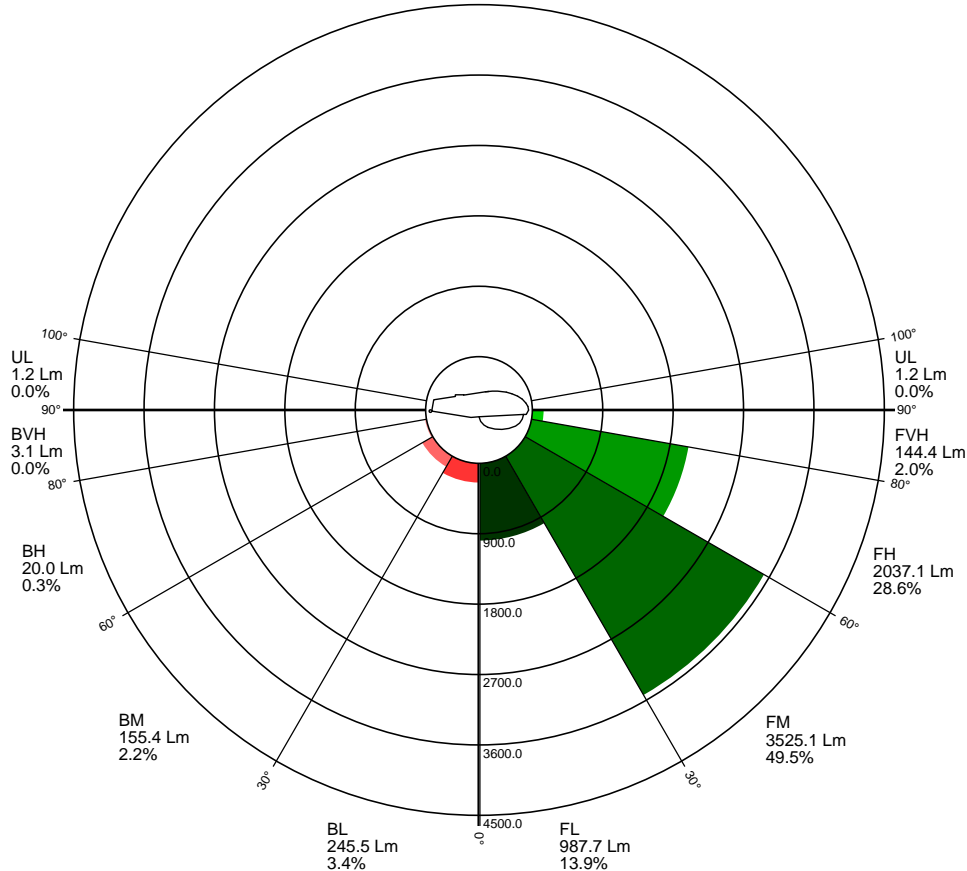
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| BUG Rating:   |               |        |              | B1           | U1 | G2 |
|---------------|---------------|--------|--------------|--------------|----|----|
| Zonal Summary |               |        |              | Zone Ratings |    |    |
|               |               | Lumens | % of Fixture | B            | U  | G  |
| Forward       |               | 6694   | 94.0         |              |    |    |
| FL            | (0° - 30°)    | 987.7  | 13.9         |              |    |    |
| FM            | (30° - 60°)   | 3525.1 | 49.5         |              |    |    |
| FH            | (60° - 80°)   | 2037.1 | 28.6         |              |    | G2 |
| FVH           | (80° - 90°)   | 144.4  | 2.0          |              |    | G2 |
| Backward      |               | 424    | 6.0          |              |    |    |
| BL            | (0° - 30°)    | 245.5  | 3.4          | B1           |    |    |
| BM            | (30° - 60°)   | 155.4  | 2.2          | B0           |    |    |
| BH            | (60° - 80°)   | 20.0   | 0.3          | B0           |    | G0 |
| BVH           | (80° - 90°)   | 3.1    | 0.0          |              |    | G0 |
| Upward        |               | 1      | 0.0          |              |    |    |
| UL            | (90° - 100°)  | 1.2    | 0.0          |              | U1 |    |
| UH            | (100° - 180°) | 0.0    | 0.0          |              | U0 |    |
| Trapped Light |               | 0      | 0.0          |              |    |    |
| Total Flux    |               | 7120   | 100.0        |              |    |    |

### Zonal Lumen Summary

(Linear scale)

UH  
0.0 Lm  
0.0%

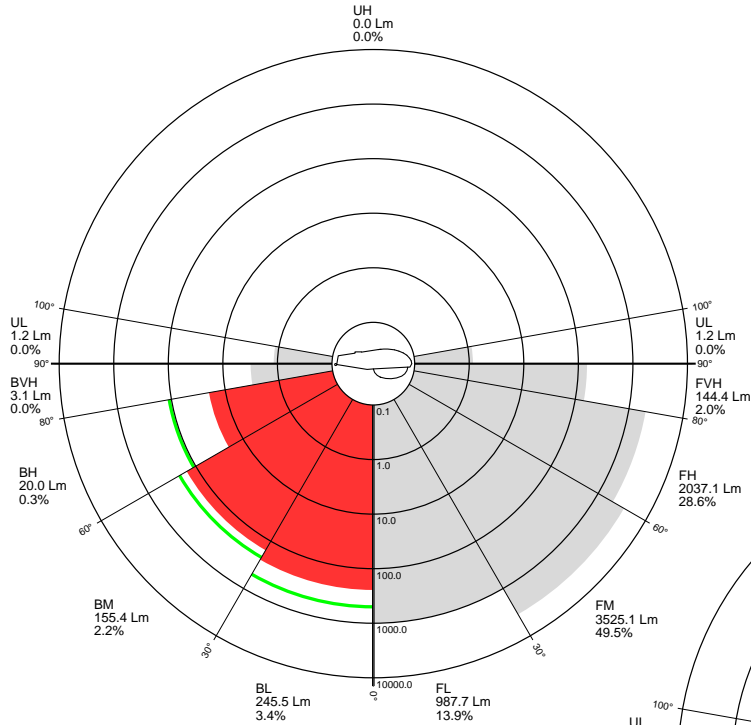


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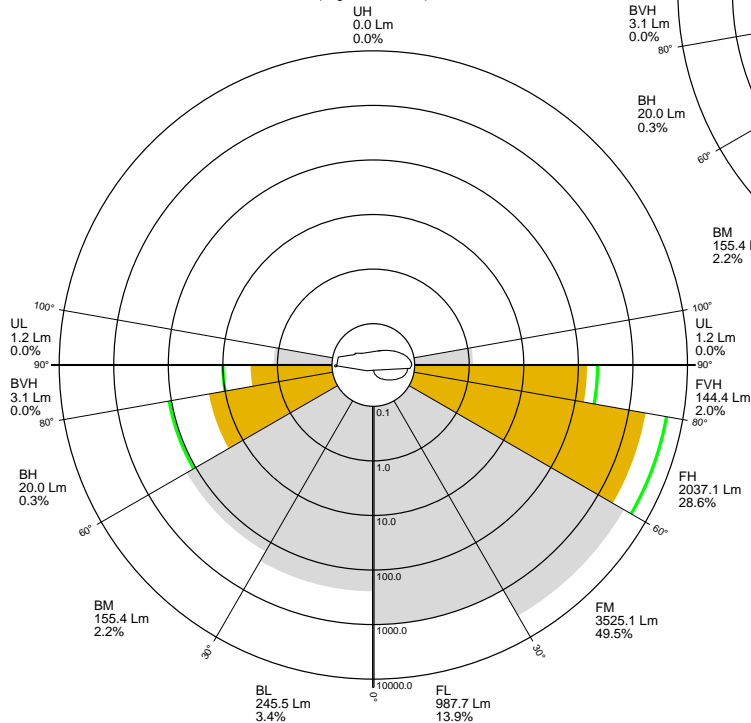
### Backlight Rating Details

(Logarithmic scale)



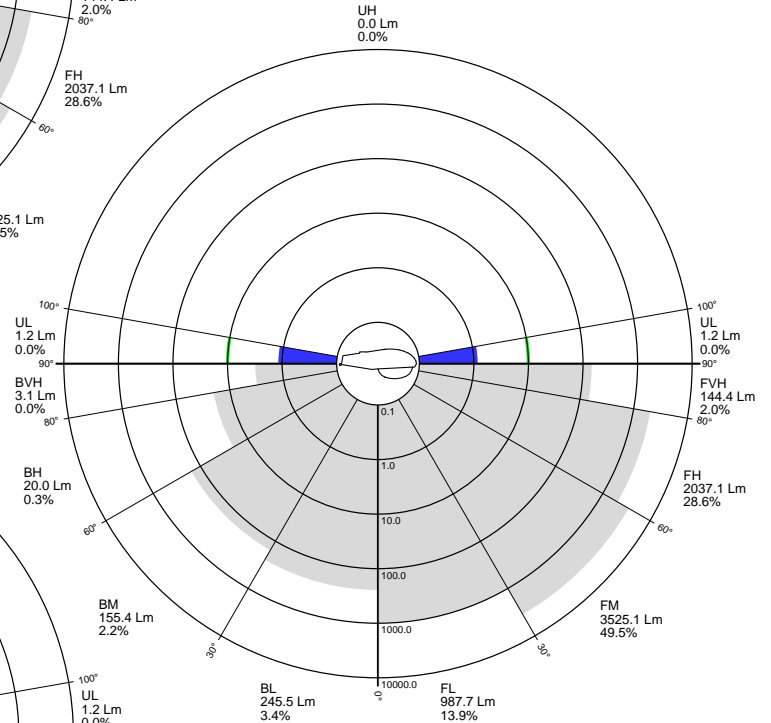
### Glare Rating Details

(Logarithmic scale)



### Uplight Rating Details

(Logarithmic scale)



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### CANDELA TABULATION

|          | STREET SIDE | LATERAL ANGLE            |       |       |       |       |       |       |       |             |
|----------|-------------|--------------------------|-------|-------|-------|-------|-------|-------|-------|-------------|
|          |             | 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.          |
| 175.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 165.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 155.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 145.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 135.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 125.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 115.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 105.0    |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 95.0     |             | 0.                       | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.    | 0.          |
| 90.0     |             | 17.                      | 18.   | 15.   | 14.   | 9.    | 7.    | 7.    | 7.    | 8. 8.       |
| 87.5     |             | 70.                      | 77.   | 67.   | 64.   | 45.   | 28.   | 25.   | 33.   | 8. 8.       |
| 85.0     |             | 152.                     | 168.  | 171.  | 227.  | 239.  | 230.  | 164.  | 125.  | 32. 8.      |
| 82.5     |             | 562.                     | 592.  | 612.  | 713.  | 731.  | 689.  | 404.  | 225.  | 66. 8.      |
| V 80.0   |             | 1189.                    | 1223. | 1242. | 1338. | 1302. | 1199. | 727.  | 373.  | 124. 9.     |
| E 77.5   |             | 1830.                    | 1861. | 1847. | 1901. | 1802. | 1569. | 1051. | 637.  | 209. 14.    |
| R 75.0   |             | 2383.                    | 2404. | 2370. | 2296. | 2106. | 1849. | 1403. | 943.  | 359. 64.    |
| T 72.5   |             | 2745.                    | 2747. | 2664. | 2534. | 2391. | 2182. | 1714. | 1170. | 523. 159.   |
| I 70.0   |             | 2996.                    | 3007. | 2923. | 2842. | 2734. | 2515. | 1983. | 1358. | 672. 286.   |
| C 67.5   |             | 3318.                    | 3333. | 3251. | 3222. | 3153. | 2836. | 2141. | 1510. | 818. 403.   |
| A 65.0   |             | 3743.                    | 3741. | 3654. | 3623. | 3562. | 3026. | 2267. | 1621. | 956. 517.   |
| L 62.5   |             | 4164.                    | 4148. | 4049. | 4028. | 3871. | 3168. | 2366. | 1693. | 1104. 619.  |
| 60.0     |             | 4531.                    | 4532. | 4440. | 4321. | 4008. | 3263. | 2442. | 1746. | 1220. 708.  |
| A 57.5   |             | 4757.                    | 4747. | 4619. | 4463. | 4092. | 3326. | 2489. | 1782. | 1319. 782.  |
| N 55.0   |             | 4855.                    | 4848. | 4762. | 4571. | 4109. | 3344. | 2517. | 1815. | 1403. 853.  |
| G 52.5   |             | 4947.                    | 4919. | 4814. | 4602. | 4105. | 3329. | 2527. | 1869. | 1467. 918.  |
| L 50.0   |             | 4943.                    | 4939. | 4825. | 4592. | 4054. | 3299. | 2517. | 1943. | 1511. 973.  |
| E 48.0<< |             | 4971.                    | 4959. | 4806. | 4532. | 3993. | 3262. | 2502. | 2008. | 1541. 1015. |
| 47.5     |             | 4968.                    | 4954. | 4798. | 4513. | 3981. | 3249. | 2495. | 2026. | 1549. 1026. |
| 45.0     |             | 4904.                    | 4888. | 4727. | 4393. | 3899. | 3181. | 2482. | 2116. | 1590. 1076. |
| 42.5     |             | 4821.                    | 4794. | 4620. | 4254. | 3784. | 3089. | 2511. | 2181. | 1634. 1123. |
| 40.0     |             | 4714.                    | 4671. | 4486. | 4120. | 3653. | 2994. | 2550. | 2229. | 1675. 1178. |
| 37.5     |             | 4549.                    | 4496. | 4303. | 3952. | 3526. | 2969. | 2591. | 2248. | 1712. 1234. |
| 35.0     |             | 4332.                    | 4301. | 4102. | 3769. | 3383. | 2970. | 2624. | 2243. | 1746. 1288. |
| 30.0     |             | 3769.                    | 3751. | 3627. | 3415. | 3181. | 2906. | 2604. | 2199. | 1780. 1380. |
| 25.0     |             | 3344.                    | 3316. | 3254. | 3114. | 2974. | 2757. | 2461. | 2105. | 1781. 1427. |
| 20.0     |             | 2975.                    | 2983. | 2968. | 2877. | 2739. | 2514. | 2255. | 1996. | 1738. 1455. |
| 15.0     |             | 2609.                    | 2619. | 2619. | 2506. | 2382. | 2216. | 2055. | 1879. | 1669. 1454. |
| 10.0     |             | 2180.                    | 2201. | 2207. | 2126. | 2061. | 1956. | 1851. | 1722. | 1588. 1436. |
| 5.0      |             | 1759.                    | 1775. | 1800. | 1747. | 1711. | 1657. | 1613. | 1550. | 1483. 1407. |
| 0.0      |             | 1378.                    | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. 1378. |
|          |             |                          |       |       |       |       |       |       |       |             |
|          |             | PLANE OF MAXIMUM CANDELA |       |       |       |       |       |       |       |             |
|          |             | CONE OF MAXIMUM CANDELA  |       |       |       |       |       |       |       |             |

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### CANDELA TABULATION

| 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.    | 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   | 8.            | 8.    | 8.    | 8.    | 7.    | 7.    | 6.    | 5.    | 4.    | 4.    | 4.    |
|                    | 87.5   | 8.            | 8.    | 8.    | 8.    | 7.    | 6.    | 5.    | 5.    | 4.    | 4.    | 4.    |
|                    | 85.0   | 8.            | 8.    | 8.    | 7.    | 7.    | 6.    | 5.    | 4.    | 3.    | 3.    | 2.    |
|                    | 82.5   | 8.            | 8.    | 7.    | 7.    | 6.    | 5.    | 4.    | 4.    | 2.    | 1.    | 1.    |
| V                  | 80.0   | 8.            | 8.    | 7.    | 7.    | 6.    | 5.    | 4.    | 3.    | 2.    | 1.    | 0.    |
| E                  | 77.5   | 8.            | 8.    | 9.    | 7.    | 5.    | 5.    | 3.    | 3.    | 1.    | 0.    | 0.    |
| R                  | 75.0   | 11.           | 8.    | 12.   | 11.   | 6.    | 4.    | 3.    | 2.    | 1.    | 0.    | 0.    |
| T                  | 72.5   | 65.           | 45.   | 18.   | 15.   | 6.    | 4.    | 3.    | 2.    | 1.    | 0.    | 0.    |
| I                  | 70.0   | 131.          | 72.   | 27.   | 16.   | 8.    | 4.    | 3.    | 2.    | 1.    | 0.    | 0.    |
| C                  | 67.5   | 209.          | 95.   | 45.   | 15.   | 9.    | 5.    | 3.    | 2.    | 1.    | 0.    | 0.    |
| A                  | 65.0   | 298.          | 133.  | 66.   | 15.   | 10.   | 6.    | 4.    | 3.    | 2.    | 0.    | 0.    |
| L                  | 62.5   | 381.          | 181.  | 85.   | 18.   | 10.   | 7.    | 5.    | 4.    | 3.    | 2.    | 2.    |
|                    | 60.0   | 458.          | 227.  | 104.  | 25.   | 10.   | 8.    | 6.    | 6.    | 6.    | 5.    | 5.    |
| A                  | 57.5   | 524.          | 276.  | 118.  | 40.   | 11.   | 8.    | 8.    | 9.    | 11.   | 10.   | 10.   |
| N                  | 55.0   | 586.          | 326.  | 130.  | 64.   | 15.   | 9.    | 10.   | 13.   | 14.   | 14.   | 14.   |
| G                  | 52.5   | 649.          | 377.  | 143.  | 85.   | 23.   | 11.   | 12.   | 15.   | 18.   | 18.   | 19.   |
| L                  | 50.0   | 707.          | 430.  | 155.  | 102.  | 38.   | 17.   | 15.   | 17.   | 21.   | 23.   | 23.   |
| E                  | 48.0<< | 749.          | 470.  | 163.  | 115.  | 58.   | 26.   | 19.   | 19.   | 22.   | 23.   | 23.   |
|                    | 47.5   | 758.          | 480.  | 165.  | 117.  | 64.   | 28.   | 19.   | 19.   | 22.   | 23.   | 23.   |
|                    | 45.0   | 804.          | 530.  | 176.  | 130.  | 89.   | 39.   | 27.   | 23.   | 24.   | 24.   | 25.   |
|                    | 42.5   | 849.          | 575.  | 194.  | 141.  | 109.  | 62.   | 36.   | 30.   | 26.   | 26.   | 26.   |
|                    | 40.0   | 906.          | 632.  | 224.  | 158.  | 123.  | 88.   | 53.   | 40.   | 39.   | 34.   | 35.   |
|                    | 37.5   | 967.          | 698.  | 275.  | 178.  | 141.  | 114.  | 86.   | 57.   | 48.   | 45.   | 46.   |
|                    | 35.0   | 1028.         | 772.  | 343.  | 202.  | 164.  | 139.  | 126.  | 104.  | 84.   | 69.   | 69.   |
|                    | 30.0   | 1153.         | 924.  | 514.  | 275.  | 248.  | 213.  | 206.  | 204.  | 197.  | 190.  | 187.  |
|                    | 25.0   | 1238.         | 1053. | 692.  | 416.  | 319.  | 310.  | 287.  | 290.  | 293.  | 290.  | 291.  |
|                    | 20.0   | 1298.         | 1157. | 860.  | 616.  | 436.  | 375.  | 373.  | 381.  | 372.  | 367.  | 365.  |
|                    | 15.0   | 1336.         | 1232. | 1009. | 812.  | 650.  | 526.  | 452.  | 427.  | 414.  | 414.  | 414.  |
|                    | 10.0   | 1355.         | 1286. | 1149. | 1013. | 891.  | 809.  | 722.  | 667.  | 628.  | 602.  | 608.  |
|                    | 5.0    | 1366.         | 1331. | 1272. | 1215. | 1156. | 1092. | 1053. | 1011. | 995.  | 976.  | 987.  |
|                    | 0.0    | 1378.         | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. | 1378. |

CONE OF MAXIMUM CANDELA

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### 5-DEGREE ZONAL LUMEN SUMMARY

|         |     |
|---------|-----|
| 0- 5    | 33  |
| 5- 10   | 99  |
| 10- 15  | 165 |
| 15- 20  | 237 |
| 20- 25  | 312 |
| 25- 30  | 387 |
| 30- 35  | 460 |
| 35- 40  | 532 |
| 40- 45  | 601 |
| 45- 50  | 662 |
| 50- 55  | 705 |
| 55- 60  | 720 |
| 60- 65  | 682 |
| 65- 70  | 585 |
| 70- 75  | 469 |
| 75- 80  | 321 |
| 80- 85  | 129 |
| 85- 90  | 18  |
| 90- 95  | 1   |
| 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 | 132  |
| 0- 20 | 534  |
| 0- 30 | 1233 |
| 0- 40 | 2226 |
| 0- 50 | 3488 |
| 0- 60 | 4914 |
| 0- 70 | 6181 |
| 0- 80 | 6971 |
| 0- 90 | 7118 |
| 0-100 | 7119 |
| 0-110 | 7119 |
| 0-120 | 7119 |
| 0-130 | 7119 |
| 0-140 | 7119 |
| 0-150 | 7119 |
| 0-160 | 7119 |
| 0-170 | 7119 |
| 0-180 | 7119 |