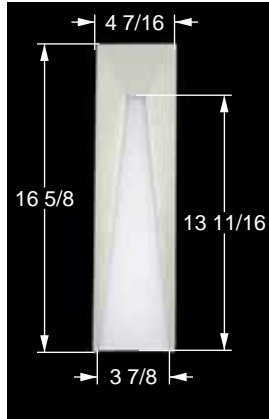


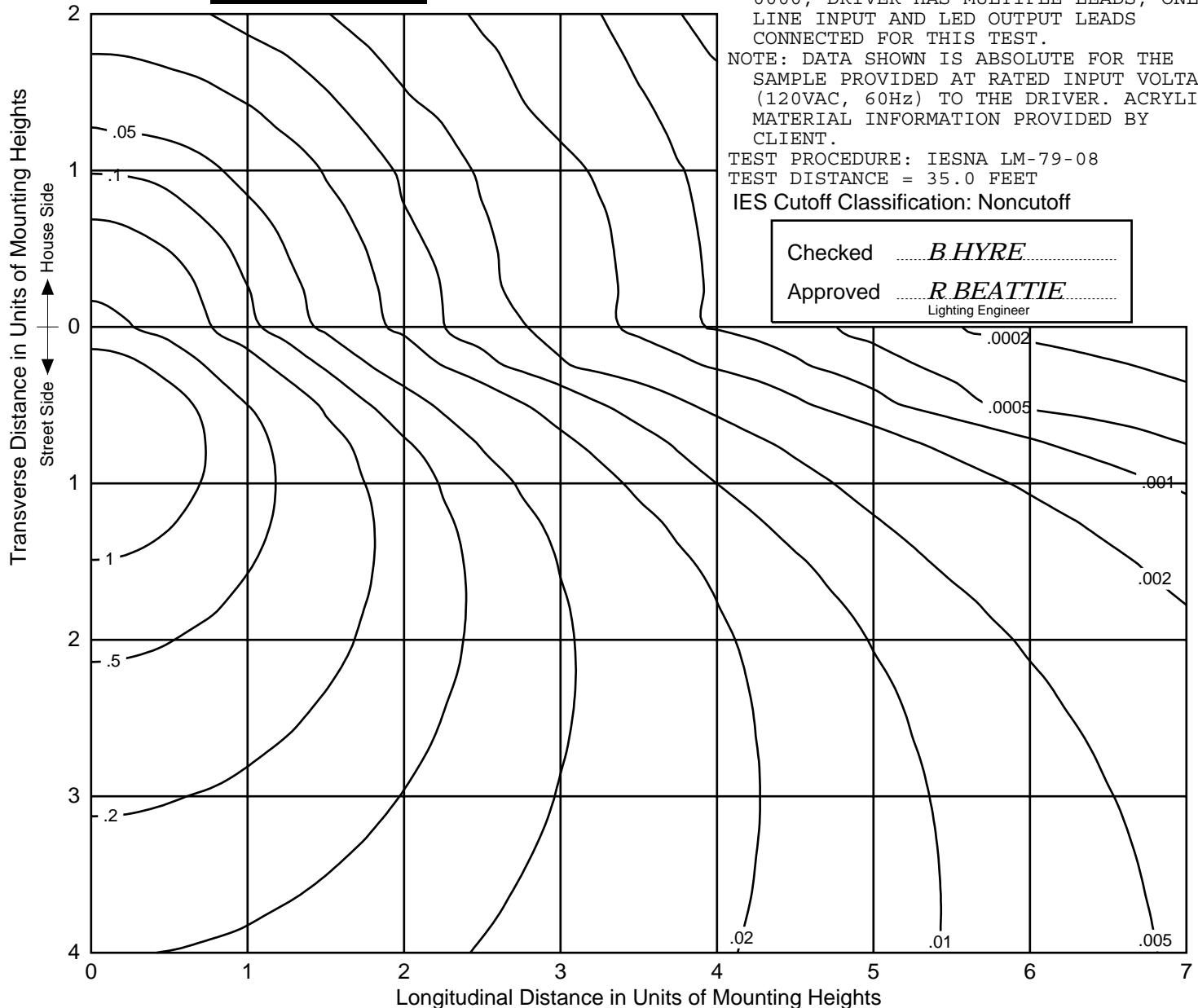


ISOFOOTCANDLE LINES OF HORIZONTAL ILLUMINATION
Values based on 5.5 foot mounting height.



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ISSUE DATE: 04/27/16 PAGE: 1 OF 8
PREPARED FOR: OXYGEN LIGHTING
CATALOG NUMBER: 3-730
LUMINAIRE: FABRICATED WHITE PAINTED METAL WALL MOUNTING PLATE AND DRIVER COVER, 1 WHITE CIRCUIT BOARD WITH 36 LEDS, FABRICATED SILVER PAINTED METAL FORWARD HOUSING, FROSTED TRANSLUCENT WHITE ACRYLIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.
LAMPS: THIRTY-SIX WHITE LIGHT EMITTING DIODES (LEDS), AIMED AT THE HORIZON.
INPUT ELECTRICAL: 120.0 VOLTS, 15.3 WATTS, 0.130 AMPS
LED DRIVER: L.T.F. DA12W350C1834D010-0000, DRIVER HAS MULTIPLE LEADS, ONLY LINE INPUT AND LED OUTPUT LEADS CONNECTED FOR THIS TEST.
NOTE: DATA SHOWN IS ABSOLUTE FOR THE SAMPLE PROVIDED AT RATED INPUT VOLTAGE (120VAC, 60Hz) TO THE DRIVER. ACRYLIC MATERIAL INFORMATION PROVIDED BY CLIENT.
TEST PROCEDURE: IESNA LM-79-08
TEST DISTANCE = 35.0 FEET
IES Cutoff Classification: Noncutoff

Checked *B. HYRE*
Approved *R. BEATTIE*
Lighting Engineer





REPORT NUMBER: ITL87369-GONIOPHOTOMETRY
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 PREPARED FOR: OXYGEN LIGHTING
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LUMINAIRE: FABRICATED WHITE PAINTED METAL WALL MOUNTING PLATE AND DRIVER COVER, 1 WHITE CIRCUIT BOARD WITH 36 LEDS, FABRICATED SILVER PAINTED METAL FORWARD HOUSING, FROSTED TRANSLUCENT WHITE ACRYLIC DIFFUSER. DIFFUSER FROSTED SIDE OUT.

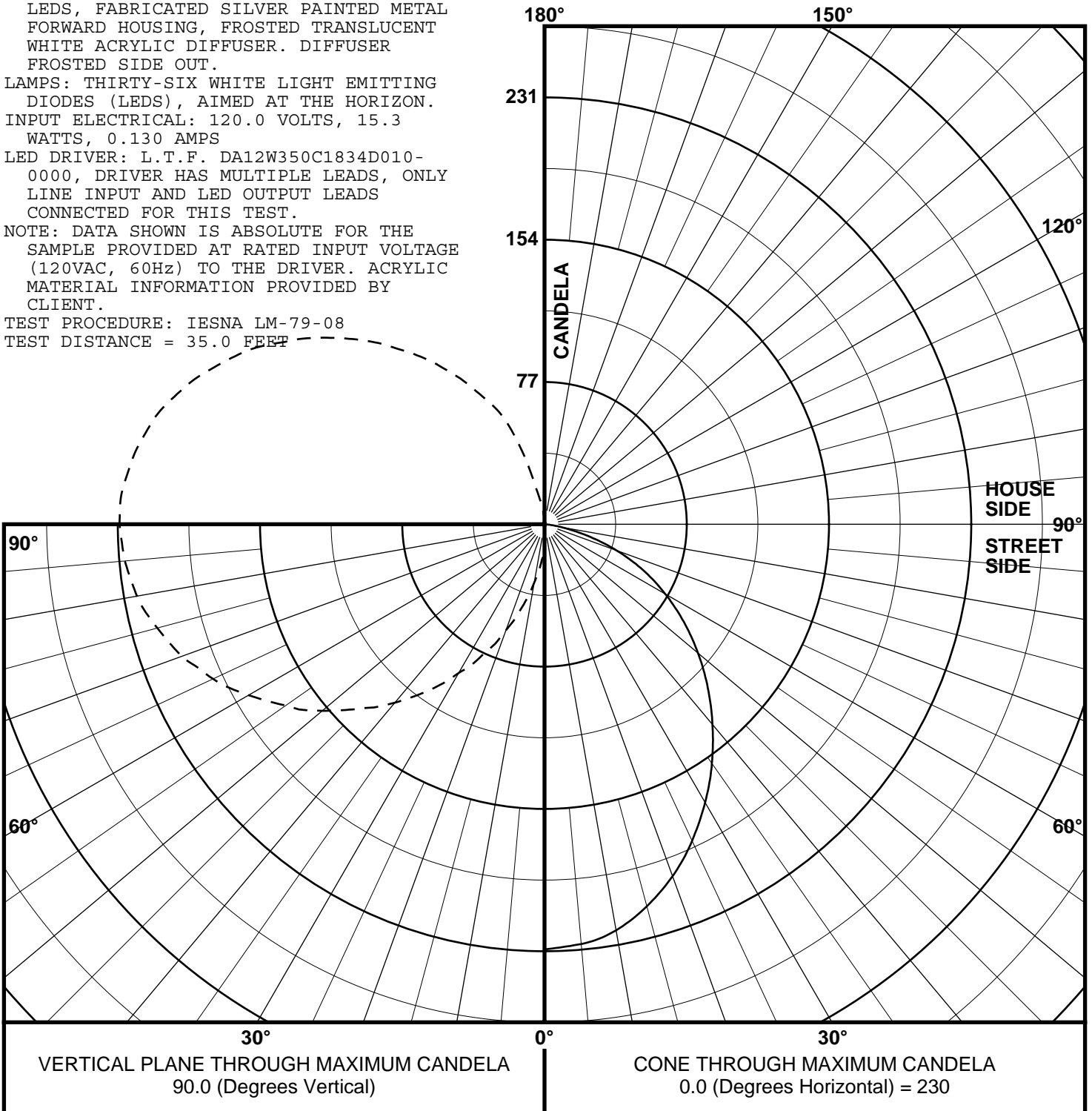
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 INPUT ELECTRICAL: 120.0 VOLTS, 15.3 WATTS, 0.130 AMPS

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TEST PROCEDURE: IESNA LM-79-08
 TEST DISTANCE = 35.0 FEET

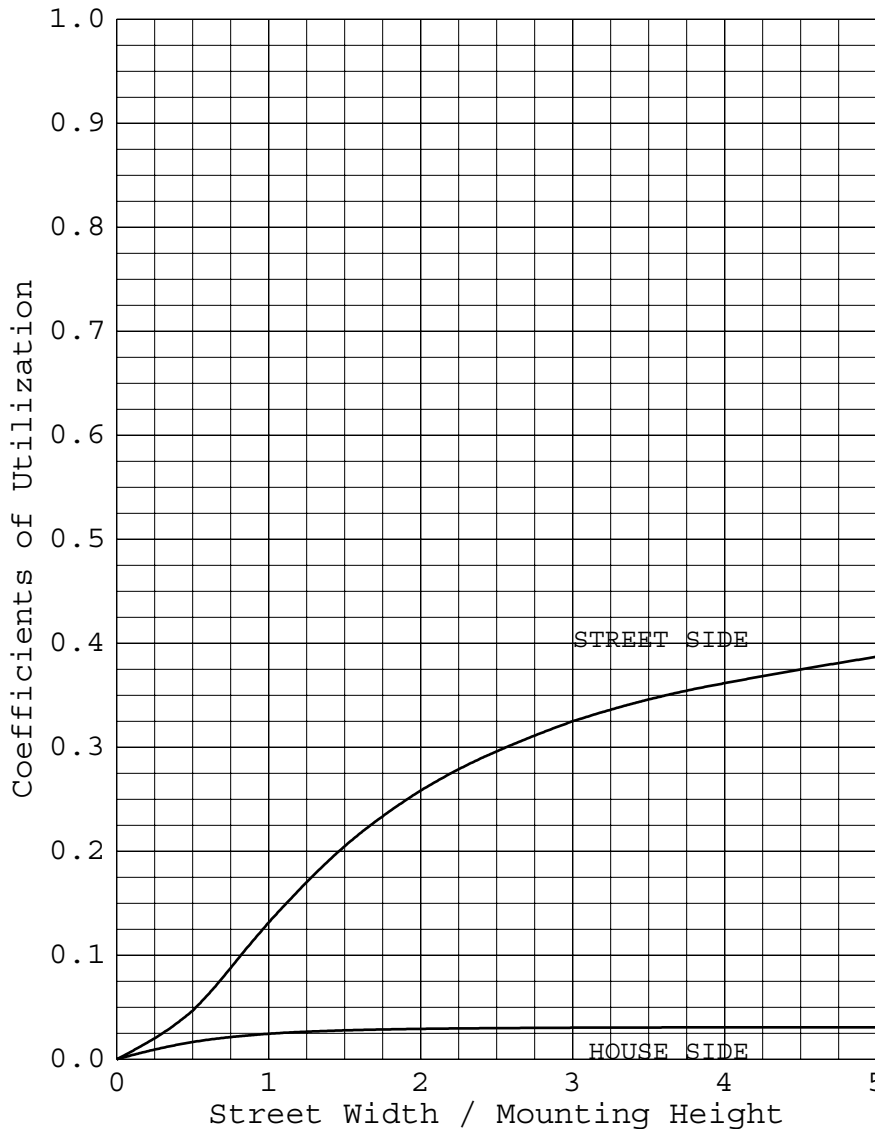
MAXIMUM PLANE AND MAXIMUM CONE PLOTS OF CANDELA



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COEFFICIENTS OF UTILIZATION AND FLUX DISTRIBUTION



| | LUMENS | PERCENT OF FIXTURE |
|----------------------|--------|--------------------|
| DOWNWARD STREET SIDE | 295 | 49.0 |
| DOWNWARD HOUSE SIDE | 19 | 3.1 |
| DOWNWARD TOTAL | 314 | 52.1 |
| UPWARD STREET SIDE | 289 | 47.9 |
| UPWARD HOUSE SIDE | 0 | 0.0 |
| UPWARD TOTAL | 289 | 47.9 |
| TOTAL FLUX | 602 | 100.0 |

EFFICACY = 39.3 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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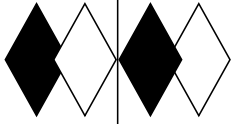
FLUX DISTRIBUTION BY SOLID ANGLE

(PER IESNA TM-15-11, LUMINAIRE CLASSIFICATION SYSTEM FOR OUTDOOR LUMINAIRES)

| | LUMENS | PERCENT OF FIXTURE | BUG ZONE RATINGS |
|---------------|--------|--------------------|------------------|
| FORWARD LIGHT | 295. | 49.0 | |
| FL (0- 30) | 17.2 | 2.8 | |
| FM (30- 60) | 96.4 | 16.0 | |
| FH (60- 80) | 115.5 | 19.2 | G0 |
| FVH(80- 90) | 65.8 | 10.9 | G1 |
| BACK LIGHT | 19. | 3.1 | |
| BL (0- 30) | 6.0 | 1.0 | B0 |
| BM (30- 60) | 9.5 | 1.6 | B0 |
| BH (60- 80) | 3.0 | 0.5 | B0 G0 |
| BVH(80- 90) | 0.2 | 0.0 | G0 |
| UPLIGHT | 289. | 47.9 | |
| UL (90-100) | 65.9 | 10.9 | U3 |
| UH (100-180) | 222.7 | 37.0 | U3 |
| TRAPPED LIGHT | 0. | 0.0 | |
| TOTAL FLUX | 602. | 100.0 | |

BACKLIGHT, UPLIGHT, AND GLARE (BUG) RATINGS
(PER ADDENDUM A FOR IESNA TM-15-11)

BUG RATING: B0 U3 G1



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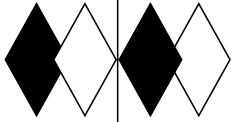
PAGE: 5 OF 8

CANDELA TABULATION

| | STREET SIDE | | | | | | | | | | |
|---|-------------|------|------|------|------|------|------|------|------|------|------|
| | 0.0 | 5.0 | 15.0 | 25.0 | 35.0 | 45.0 | 55.0 | 65.0 | 75.0 | 85.0 | 90.0 |
| | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| | 4. | 4. | 5. | 5. | 5. | 4. | 3. | 2. | 1. | 0. | 0. |
| | 30. | 31. | 40. | 37. | 33. | 28. | 22. | 15. | 7. | 1. | 0. |
| | 74. | 74. | 71. | 66. | 58. | 48. | 38. | 26. | 12. | 1. | 0. |
| | 108. | 107. | 103. | 95. | 83. | 68. | 53. | 36. | 15. | 2. | 0. |
| | 141. | 140. | 134. | 122. | 106. | 86. | 66. | 44. | 19. | 2. | 0. |
| | 172. | 171. | 162. | 146. | 126. | 102. | 77. | 51. | 21. | 2. | 0. |
| | 199. | 198. | 187. | 167. | 141. | 114. | 85. | 56. | 23. | 2. | 0. |
| | 219. | 217. | 204. | 181. | 153. | 121. | 90. | 59. | 24. | 2. | 0. |
| | 229. | 227. | 213. | 188. | 158. | 125. | 92. | 60. | 24. | 2. | 0. |
| | 230. | 228. | 214. | 189. | 158. | 125. | 92. | 60. | 24. | 2. | 0. |
| | 230. | 228. | 214. | 189. | 158. | 125. | 92. | 59. | 24. | 2. | 0. |
| | 229. | 227. | 213. | 189. | 158. | 125. | 92. | 59. | 24. | 2. | 0. |
| V | 226. | 225. | 211. | 187. | 157. | 124. | 91. | 59. | 25. | 3. | 1. |
| E | 224. | 222. | 209. | 185. | 155. | 123. | 91. | 59. | 25. | 3. | 1. |
| R | 221. | 219. | 206. | 183. | 154. | 122. | 90. | 59. | 25. | 4. | 2. |
| T | 217. | 216. | 203. | 181. | 152. | 121. | 90. | 58. | 25. | 5. | 2. |
| I | 213. | 212. | 199. | 178. | 150. | 120. | 89. | 58. | 26. | 5. | 3. |
| C | 209. | 207. | 195. | 174. | 148. | 118. | 88. | 57. | 26. | 6. | 4. |
| A | 203. | 202. | 191. | 171. | 145. | 116. | 86. | 57. | 26. | 6. | 4. |
| L | 198. | 197. | 186. | 167. | 142. | 114. | 85. | 56. | 26. | 7. | 5. |
| | 192. | 191. | 180. | 162. | 138. | 112. | 83. | 55. | 26. | 7. | 6. |
| A | 185. | 184. | 174. | 157. | 135. | 109. | 82. | 54. | 26. | 8. | 6. |
| N | 178. | 178. | 169. | 152. | 130. | 106. | 79. | 53. | 26. | 9. | 7. |
| G | 171. | 171. | 162. | 147. | 126. | 103. | 77. | 52. | 26. | 9. | 8. |
| L | 165. | 164. | 156. | 141. | 122. | 99. | 75. | 50. | 25. | 10. | 8. |
| E | 157. | 156. | 149. | 135. | 117. | 96. | 73. | 49. | 25. | 10. | 9. |
| | 149. | 149. | 142. | 129. | 112. | 92. | 70. | 47. | 25. | 11. | 9. |
| | 141. | 141. | 135. | 123. | 107. | 88. | 67. | 46. | 25. | 11. | 10. |
| | 134. | 133. | 128. | 117. | 102. | 84. | 64. | 44. | 24. | 12. | 11. |
| | 126. | 125. | 120. | 110. | 96. | 80. | 61. | 42. | 24. | 12. | 11. |
| | 118. | 117. | 113. | 103. | 91. | 75. | 58. | 41. | 23. | 13. | 12. |
| | 110. | 109. | 105. | 96. | 85. | 71. | 55. | 39. | 23. | 13. | 13. |
| | 102. | 101. | 98. | 90. | 79. | 66. | 51. | 37. | 22. | 14. | 13. |
| | 93. | 93. | 90. | 83. | 73. | 61. | 48. | 35. | 22. | 14. | 14. |
| | 77. | 77. | 74. | 69. | 61. | 52. | 41. | 31. | 21. | 15. | 15. |
| | 61. | 61. | 59. | 55. | 49. | 42. | 35. | 27. | 20. | 16. | 16. |
| | 46. | 46. | 44. | 42. | 38. | 33. | 28. | 23. | 19. | 17. | 17. |
| | 32. | 32. | 31. | 30. | 28. | 25. | 22. | 20. | 18. | 17. | 17. |
| | 21. | 21. | 21. | 20. | 20. | 19. | 18. | 18. | 18. | 18. | 18. |
| | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |

PLANE OF MAXIMUM CANDELA

CONE OF MAXIMUM CANDELA



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CANDELA TABULATION

| | HOUSE SIDE | | LATERAL ANGLE | | | | | | | |
|--------|------------|-------|---------------|-------|-------|-------|-------|-------|-------|-------|
| | 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 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. |
| 85.0 | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 0. | 1. |
| V 82.5 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| E 80.0 | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| R 77.5 | 2. | 2. | 1. | 1. | 1. | 1. | 1. | 1. | 1. | 1. |
| T 75.0 | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| I 72.5 | 3. | 3. | 2. | 2. | 2. | 2. | 2. | 2. | 2. | 2. |
| C 70.0 | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| A 67.5 | 4. | 4. | 4. | 3. | 3. | 3. | 3. | 3. | 3. | 3. |
| L 65.0 | 5. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. | 4. |
| 62.5 | 5. | 5. | 5. | 5. | 4. | 4. | 4. | 4. | 4. | 4. |
| A 60.0 | 6. | 6. | 5. | 5. | 5. | 5. | 5. | 5. | 5. | 5. |
| N 57.5 | 7. | 6. | 6. | 6. | 6. | 5. | 5. | 5. | 5. | 5. |
| G 55.0 | 7. | 7. | 7. | 6. | 6. | 6. | 6. | 6. | 6. | 6. |
| L 52.5 | 8. | 7. | 7. | 7. | 7. | 7. | 6. | 6. | 6. | 6. |
| E 50.0 | 9. | 8. | 8. | 7. | 7. | 7. | 7. | 7. | 7. | 7. |
| 47.5 | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. | 8. | 8. |
| 45.0 | 10. | 9. | 9. | 9. | 8. | 8. | 8. | 8. | 8. | 8. |
| 42.5 | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. | 9. |
| 40.0 | 11. | 10. | 10. | 10. | 9. | 9. | 9. | 9. | 9. | 9. |
| 37.5 | 12. | 11. | 11. | 10. | 10. | 10. | 10. | 10. | 10. | 10. |
| 35.0 | 12. | 12. | 11. | 11. | 11. | 10. | 10. | 10. | 10. | 10. |
| 32.5 | 13. | 12. | 12. | 11. | 11. | 11. | 11. | 11. | 11. | 11. |
| 30.0 | 13. | 13. | 12. | 12. | 12. | 12. | 11. | 11. | 11. | 11. |
| 25.0 | 15. | 14. | 14. | 13. | 13. | 13. | 13. | 13. | 13. | 13. |
| 20.0 | 16. | 15. | 15. | 14. | 14. | 14. | 14. | 14. | 14. | 14. |
| 15.0 | 16. | 16. | 16. | 15. | 15. | 15. | 15. | 15. | 15. | 15. |
| 10.0 | 17. | 17. | 16. | 16. | 16. | 16. | 16. | 16. | 16. | 16. |
| 5.0 | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. | 17. |
| 0.0 | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. | 18. |

CONE OF MAXIMUM CANDELA



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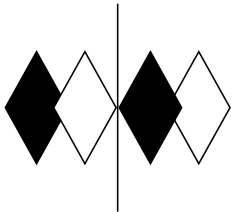
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5-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Range and Lumen Value. Rows range from 0-5 to 175-180.

10-DEGREE
ZONAL LUMEN SUMMARY

Table with 2 columns: Zonal Range and Lumen Value. Rows range from 0-10 to 0-180.



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