

REPORT NUMBER: PRORATED FROM RAB02167

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ISSUE DATE: 07/07/16

PREPARED FOR: RAB LIGHTING INC.

CATALOG NUMBER: SK12XL12RYN

LUMINAIRE: STAMPED STEEL CEILING PAN WITH WHITE FINISH, 7 LED BOARDS
EACH WITH 7 LEDS, ACRYLIC DROP LENS WITH SMOOTH FINISH.

LAMPS: FORTY-NINE WHITE LIGHT EMITTING DIODES (LEDs), VERTICAL BASE-UP
POSITION.

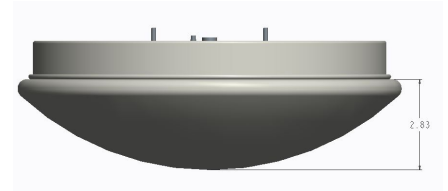
NOTE: THIS REPORT WAS PRORATED FROM RAB02167 WHICH WAS SK12XL12RYY.
ACTUAL PERFORMANCE MAY VARY.

TOTAL INPUT WATTS = 12.137 AT 120.0 VOLTS.

LED DRIVER: RDD-MK015-MKP40-A0500

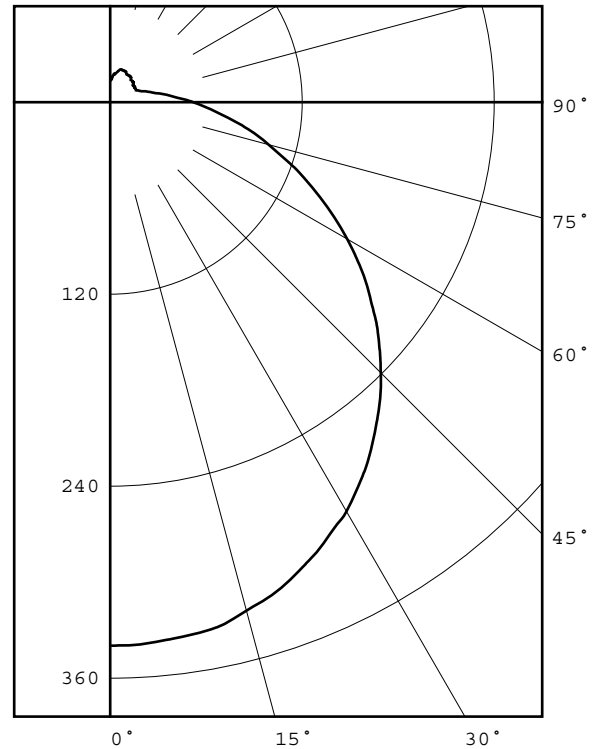
TST PROCEDURE: IESNA LM 79-08

TEST DISTANCE = 25.25 FEET



| DEG | CANDELA | LUMENS |
|-----|---------|--------|
| 0 | 340 | |
| 5 | 338 | 32 |
| 15 | 329 | 93 |
| 25 | 309 | 142 |
| 35 | 279 | 174 |
| 45 | 239 | 185 |
| 55 | 195 | 174 |
| 65 | 147 | 146 |
| 75 | 103 | 109 |
| 85 | 66 | 73 |
| 90 | 53 | |
| 95 | 39 | 44 |
| 105 | 25 | 27 |
| 115 | 18 | 18 |
| 125 | 18 | 16 |
| 135 | 19 | 15 |
| 145 | 20 | 13 |
| 155 | 22 | 10 |
| 165 | 20 | 6 |
| 175 | 16 | 2 |
| 180 | 17 | |

| ZONAL LUMEN ZONE | SUMMARY LUMENS | %FIXT |
|------------------|----------------|-------|
| 0- 30 | 268 | 20.9 |
| 0- 40 | 442 | 34.5 |
| 0- 60 | 800 | 62.6 |
| 0- 90 | 1128 | 88.2 |
| 90-120 | 90 | 7.0 |
| 90-130 | 106 | 8.3 |
| 90-150 | 133 | 10.4 |
| 90-180 | 151 | 11.8 |
| 0-180 | 1279 | 100.0 |



Checked X.CAO
Approved D.WANG-MUNSON

TOTAL INPUT WATTS = 12.137

EFFICACY = 105.4 Lm/W

CIE TYPE - SEMI-DIRECT

LUMINAIRE SPACING CRITERION = 1.3

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LUMINOUS DIAMETER: 12.000
HEIGHT OF SIDE : 2.830

LUMINANCE DATA IN CANDELA/SQ METER

ANGLE AVERAGE

IN DEG

| | |
|----|-------|
| 45 | 3564. |
| 55 | 3258. |
| 65 | 2900. |
| 75 | 2567. |
| 85 | 2333. |

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CANDELA DISTRIBUTION

| | |
|-------|-----|
| | 0.0 |
| 0.0 | 340 |
| 5.0 | 338 |
| 10.0 | 336 |
| 15.0 | 329 |
| 20.0 | 320 |
| 25.0 | 309 |
| 30.0 | 295 |
| 35.0 | 279 |
| 40.0 | 259 |
| 45.0 | 239 |
| 50.0 | 218 |
| 55.0 | 195 |
| 60.0 | 171 |
| 65.0 | 147 |
| 70.0 | 124 |
| 75.0 | 103 |
| 80.0 | 84 |
| 85.0 | 66 |
| 90.0 | 53 |
| 95.0 | 39 |
| 100.0 | 31 |
| 105.0 | 25 |
| 110.0 | 20 |
| 115.0 | 18 |
| 120.0 | 18 |
| 125.0 | 18 |
| 130.0 | 19 |
| 135.0 | 19 |
| 140.0 | 20 |
| 145.0 | 20 |
| 150.0 | 20 |
| 155.0 | 22 |
| 160.0 | 22 |
| 165.0 | 20 |
| 170.0 | 18 |
| 175.0 | 16 |
| 180.0 | 17 |

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ZONAL LUMEN SUMMARY

| | |
|---------|-----|
| 0- 5 | 8. |
| 5- 10 | 24. |
| 10- 15 | 39. |
| 15- 20 | 54. |
| 20- 25 | 66. |
| 25- 30 | 76. |
| 30- 35 | 84. |
| 35- 40 | 90. |
| 40- 45 | 92. |
| 45- 50 | 92. |
| 50- 55 | 90. |
| 55- 60 | 85. |
| 60- 65 | 77. |
| 65- 70 | 69. |
| 70- 75 | 59. |
| 75- 80 | 50. |
| 80- 85 | 40. |
| 85- 90 | 32. |
| 90- 95 | 25. |
| 95-100 | 19. |
| 100-105 | 15. |
| 105-110 | 12. |
| 110-115 | 10. |
| 115-120 | 9. |
| 120-125 | 8. |
| 125-130 | 8. |
| 130-135 | 8. |
| 135-140 | 7. |
| 140-145 | 7. |
| 145-150 | 6. |
| 150-155 | 5. |
| 155-160 | 5. |
| 160-165 | 4. |
| 165-170 | 2. |
| 170-175 | 1. |
| 175-180 | 0. |

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5-DEGREE ZONAL LUMEN SUMMARY

| | |
|---------|----|
| 0- 5 | 8 |
| 5- 10 | 24 |
| 10- 15 | 39 |
| 15- 20 | 54 |
| 20- 25 | 66 |
| 25- 30 | 76 |
| 30- 35 | 84 |
| 35- 40 | 90 |
| 40- 45 | 92 |
| 45- 50 | 92 |
| 50- 55 | 90 |
| 55- 60 | 85 |
| 60- 65 | 77 |
| 65- 70 | 69 |
| 70- 75 | 59 |
| 75- 80 | 50 |
| 80- 85 | 40 |
| 85- 90 | 32 |
| 90- 95 | 25 |
| 95-100 | 19 |
| 100-105 | 15 |
| 105-110 | 12 |
| 110-115 | 10 |
| 115-120 | 9 |
| 120-125 | 8 |
| 125-130 | 8 |
| 130-135 | 8 |
| 135-140 | 7 |
| 140-145 | 7 |
| 145-150 | 6 |
| 150-155 | 5 |
| 155-160 | 5 |
| 160-165 | 4 |
| 165-170 | 2 |
| 170-175 | 1 |
| 175-180 | 0 |

10-DEGREE ZONAL LUMEN SUMMARY

| | |
|-------|------|
| 0- 10 | 32 |
| 0- 20 | 125 |
| 0- 30 | 268 |
| 0- 40 | 442 |
| 0- 50 | 626 |
| 0- 60 | 800 |
| 0- 70 | 946 |
| 0- 80 | 1055 |
| 0- 90 | 1128 |
| 0-100 | 1172 |
| 0-110 | 1199 |
| 0-120 | 1218 |
| 0-130 | 1234 |
| 0-140 | 1249 |
| 0-150 | 1261 |
| 0-160 | 1271 |
| 0-170 | 1277 |
| 0-180 | 1279 |

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COEFFICIENTS OF UTILIZATION - ZONAL CAVITY METHOD

EFFECTIVE FLOOR CAVITY REFLECTANCE 0.20

| RC | 80 | | | | 70 | | | | 50 | | | 30 | | | 10 | | | 0 |
|----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|----|----|
| RW | 70 | 50 | 30 | 10 | 70 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 50 | 30 | 10 | 0 |
| 0 | 116 | 116 | 116 | 116 | 112 | 112 | 112 | 112 | 105 | 105 | 105 | 98 | 98 | 98 | 91 | 91 | 91 | 88 |
| 1 | 104 | 98 | 93 | 89 | 100 | 95 | 90 | 86 | 89 | 85 | 81 | 83 | 80 | 77 | 77 | 75 | 73 | 70 |
| 2 | 94 | 85 | 77 | 71 | 90 | 82 | 75 | 69 | 76 | 71 | 66 | 71 | 67 | 63 | 67 | 63 | 59 | 57 |
| 3 | 85 | 74 | 65 | 58 | 82 | 71 | 63 | 57 | 67 | 60 | 54 | 62 | 57 | 52 | 58 | 54 | 50 | 47 |
| 4 | 78 | 65 | 56 | 49 | 74 | 63 | 54 | 48 | 59 | 52 | 46 | 55 | 49 | 44 | 52 | 47 | 42 | 40 |
| 5 | 71 | 58 | 49 | 42 | 68 | 56 | 47 | 41 | 53 | 45 | 39 | 49 | 43 | 38 | 46 | 41 | 36 | 34 |
| 6 | 66 | 52 | 43 | 36 | 63 | 50 | 42 | 36 | 47 | 40 | 34 | 45 | 38 | 33 | 42 | 36 | 32 | 30 |
| 7 | 61 | 47 | 38 | 32 | 58 | 46 | 37 | 31 | 43 | 36 | 30 | 41 | 34 | 29 | 38 | 33 | 28 | 26 |
| 8 | 57 | 43 | 34 | 28 | 54 | 42 | 33 | 28 | 39 | 32 | 27 | 37 | 31 | 26 | 35 | 29 | 25 | 23 |
| 9 | 53 | 39 | 31 | 25 | 51 | 38 | 30 | 25 | 36 | 29 | 24 | 34 | 28 | 23 | 32 | 27 | 23 | 21 |
| 10 | 49 | 36 | 28 | 23 | 48 | 35 | 28 | 22 | 33 | 27 | 22 | 32 | 26 | 21 | 30 | 25 | 21 | 19 |

ALL CANDELA, LUMENS, LUMINANCE, AND VCP VALUES 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.