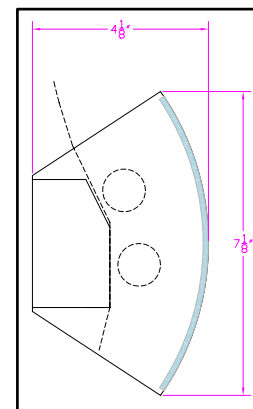


**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLI110902B.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] LLI 1109-02B  
 [TESTLAB] LIGHT LABORATORY INC  
 [ISSUE DATE] 11/25/2009  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] WAL14-WFA-2T8-04'-TMW-SC-120-WM-BLUE  
 [LUMINAIRE] 48-1/2"L. X 7-1/8"W. X 4-1/8"H. LINEAR FLUORESCENT WALL-MOUNT LUMINAIRE  
 [MORE] APECCULAR ALUMINIUM REFLECTOR  
 [MORE] BLUE FROST ACRYLIC DIFFUSER  
 [BALLASTCAT] UNIVERSAL B232IUNVHP-B  
 [BALLAST] 120 TO 277V 50/60Hz ELECTRONIC.  
 [LAMPPOSITION] 90,90  
 [LAMPCAT] SYLVANIA F032/341/ECO  
 [\_LAMPLUM] 2950  
 [\_INPUT] 120VAC, 56.56W

**CHARACTERISTICS**

|                                 |                     |
|---------------------------------|---------------------|
| Lumens Per Lamp                 | 2950 (2 lamps)      |
| Total Lumens                    | 5900                |
| Luminaire Lumens                | 3686                |
| Total Luminaire Efficiency      | 62 %                |
| Luminaire Efficacy Rating (LER) | 65                  |
| Total Luminaire Watts           | 56.56               |
| Ballast Factor                  | 1.00                |
| CIE Type                        | Semi-Indirect       |
| Spacing Criteria (0-180)        | N.A.                |
| Spacing Criteria (90-270)       | N.A.                |
| Spacing Criteria (Diagonal)     | N.A.                |
| Basic Luminous Shape            | Rectangular w/Sides |
| Luminous Length (0-180)         | 0.34 ft             |
| Luminous Width (90-270)         | 4.00 ft             |
| Luminous Height                 | 0.59 ft             |


**LUMINANCE DATA (cd/sq.m)**

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45               | 1668          | 1392           | 2909           |
| 55               | 1920          | 1303           | 2528           |
| 65               | 2176          | 1394           | 2054           |
| 75               | 2427          | 1537           | 1635           |
| 85               | 2687          | 1720           | 1115           |

CANDELA TABULATION

|            | <u>0</u> | <u>10</u> | <u>20</u> | <u>30</u> | <u>40</u> | <u>50</u> | <u>60</u> | <u>70</u> | <u>80</u> | <u>90</u> |
|------------|----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| <b>0</b>   | 486      | 486       | 486       | 486       | 486       | 486       | 486       | 486       | 486       | 486       |
| <b>10</b>  | 574      | 570       | 565       | 561       | 557       | 554       | 551       | 523       | 494       | 464       |
| <b>20</b>  | 516      | 509       | 511       | 522       | 541       | 537       | 532       | 528       | 500       | 442       |
| <b>30</b>  | 391      | 384       | 387       | 394       | 420       | 456       | 488       | 477       | 474       | 393       |
| <b>40</b>  | 368      | 356       | 332       | 316       | 317       | 308       | 362       | 402       | 406       | 334       |
| <b>50</b>  | 448      | 432       | 402       | 349       | 289       | 247       | 236       | 306       | 321       | 263       |
| <b>60</b>  | 521      | 502       | 458       | 391       | 318       | 243       | 179       | 187       | 216       | 181       |
| <b>70</b>  | 577      | 557       | 503       | 427       | 339       | 249       | 168       | 109       | 123       | 108       |
| <b>80</b>  | 611      | 588       | 530       | 447       | 354       | 259       | 173       | 104       | 79        | 58        |
| <b>90</b>  | 623      | 595       | 539       | 455       | 357       | 260       | 170       | 95        | 40        | 8         |
| <b>100</b> | 622      | 598       | 541       | 457       | 366       | 276       | 192       | 139       | 141       | 131       |
| <b>110</b> | 610      | 589       | 534       | 462       | 372       | 286       | 208       | 185       | 248       | 254       |
| <b>120</b> | 582      | 562       | 519       | 451       | 378       | 315       | 306       | 365       | 439       | 415       |
| <b>130</b> | 531      | 512       | 480       | 455       | 409       | 423       | 480       | 600       | 650       | 588       |
| <b>140</b> | 560      | 547       | 544       | 562       | 593       | 630       | 719       | 794       | 827       | 737       |
| <b>150</b> | 762      | 748       | 759       | 790       | 842       | 903       | 958       | 959       | 975       | 863       |
| <b>160</b> | 1020     | 1007      | 1009      | 1028      | 1061      | 1065      | 1071      | 1080      | 1049      | 969       |
| <b>170</b> | 1158     | 1150      | 1144      | 1140      | 1137      | 1137      | 1140      | 1098      | 1057      | 1015      |
| <b>180</b> | 1061     | 1061      | 1061      | 1061      | 1061      | 1061      | 1061      | 1061      | 1061      | 1061      |

Vert. Horizontal Angles  
Angles

|            | <u>100</u> | <u>110</u> | <u>120</u> | <u>130</u> | <u>140</u> | <u>150</u> | <u>160</u> | <u>170</u> | <u>180</u> |
|------------|------------|------------|------------|------------|------------|------------|------------|------------|------------|
| <b>0</b>   | 486        | 486        | 486        | 486        | 486        | 486        | 486        | 486        | 486        |
| <b>10</b>  | 433        | 403        | 376        | 355        | 337        | 323        | 314        | 310        | 311        |
| <b>20</b>  | 382        | 327        | 281        | 239        | 204        | 182        | 167        | 159        | 160        |
| <b>30</b>  | 308        | 243        | 183        | 141        | 101        | 72         | 70         | 69         | 71         |
| <b>40</b>  | 235        | 159        | 106        | 63         | 55         | 51         | 49         | 49         | 50         |
| <b>50</b>  | 165        | 91         | 59         | 47         | 46         | 46         | 47         | 46         | 47         |
| <b>60</b>  | 102        | 58         | 41         | 41         | 42         | 41         | 41         | 41         | 41         |
| <b>70</b>  | 53         | 36         | 36         | 35         | 35         | 35         | 35         | 35         | 35         |
| <b>80</b>  | 32         | 26         | 27         | 27         | 27         | 27         | 28         | 28         | 29         |
| <b>90</b>  | 13         | 16         | 17         | 17         | 17         | 17         | 17         | 18         | 19         |
| <b>100</b> | 72         | 40         | 30         | 27         | 24         | 22         | 21         | 22         | 24         |
| <b>110</b> | 136        | 68         | 45         | 38         | 35         | 33         | 32         | 32         | 33         |
| <b>120</b> | 267        | 167        | 106        | 60         | 50         | 48         | 45         | 44         | 45         |
| <b>130</b> | 424        | 298        | 208        | 137        | 87         | 77         | 59         | 57         | 57         |
| <b>140</b> | 576        | 451        | 351        | 271        | 218        | 172        | 143        | 131        | 131        |
| <b>150</b> | 726        | 618        | 520        | 453        | 390        | 337        | 306        | 292        | 296        |
| <b>160</b> | 869        | 779        | 700        | 628        | 569        | 533        | 510        | 500        | 503        |
| <b>170</b> | 963        | 914        | 869        | 833        | 803        | 780        | 764        | 758        | 759        |
| <b>180</b> | 1061       | 1061       | 1061       | 1061       | 1061       | 1061       | 1061       | 1061       | 1061       |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : LLI110902B.IES**

**ZONAL LUMEN SUMMARY**

| Zone   | Lumens  | %Lamp | %Fixt |
|--------|---------|-------|-------|
| 0-30   | 319.89  | 5.4   | 8.7   |
| 0-40   | 483.92  | 8.2   | 13.1  |
| 0-60   | 825.12  | 14    | 22.4  |
| 0-90   | 1376.64 | 23.3  | 37.3  |
| 90-120 | 649     | 11    | 17.6  |
| 90-130 | 925.34  | 15.7  | 25.1  |
| 90-150 | 1603.9  | 27.2  | 43.5  |
| 90-180 | 2309.18 | 39.1  | 62.7  |
| 0-180  | 3685.83 | 62.5  | 100   |

Total Luminaire Efficiency = 62.5%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 44.76  |
| 10-20   | 118.37 |
| 20-30   | 156.76 |
| 30-40   | 164.03 |
| 40-50   | 166.69 |
| 50-60   | 174.51 |
| 60-70   | 180.66 |
| 70-80   | 185.81 |
| 80-90   | 185.06 |
| 90-100  | 193.78 |
| 100-110 | 214.54 |
| 110-120 | 240.68 |
| 120-130 | 276.34 |
| 130-140 | 319.45 |
| 140-150 | 359.11 |
| 150-160 | 349.16 |
| 160-170 | 258.66 |
| 170-180 | 97.47  |

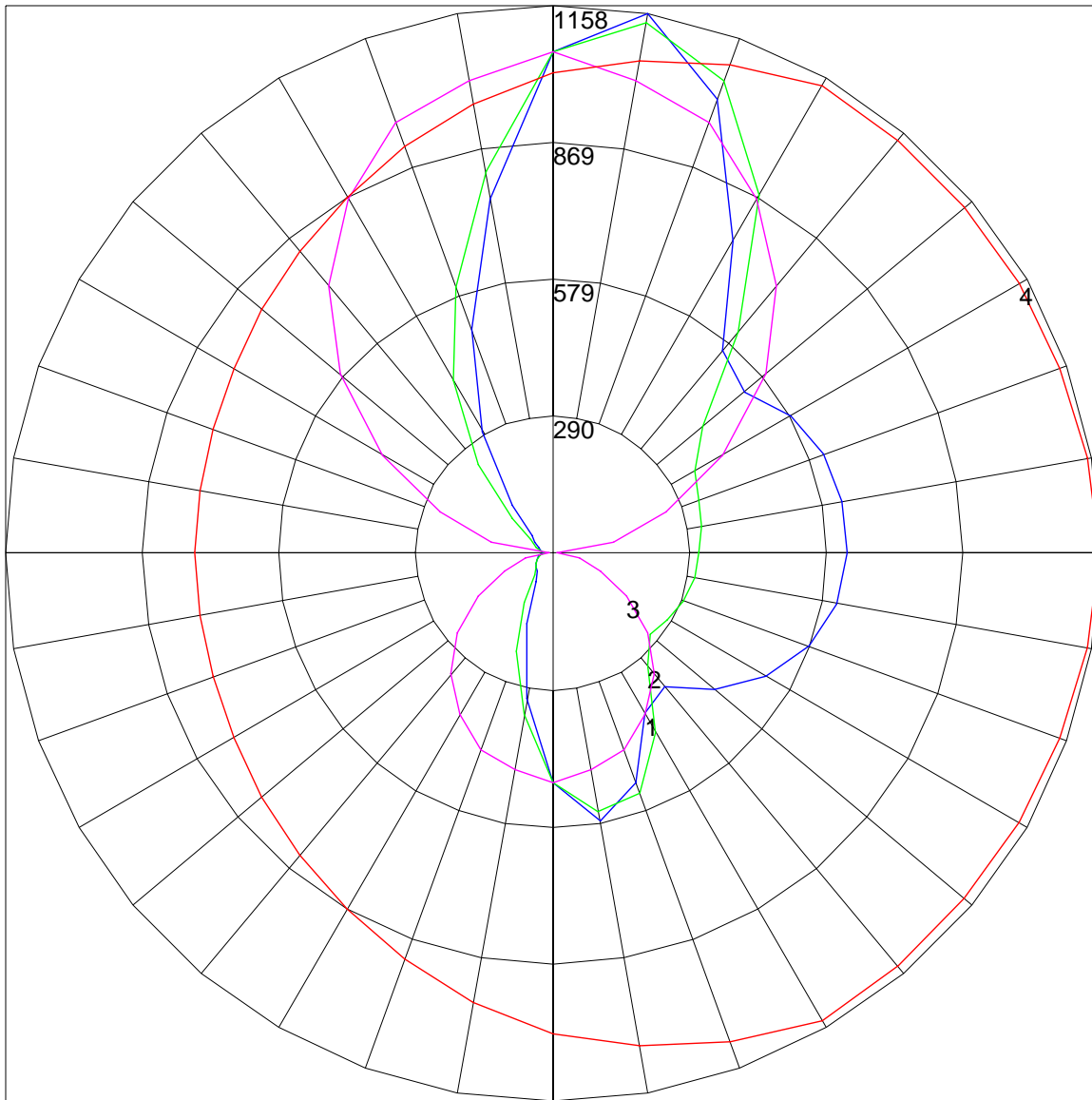
IES INDOOR REPORT  
 PHOTOMETRIC FILENAME : LLI110902B.IES

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  | 65 | 65 | 65 | 65 | 59 | 59 | 59 | 59 | 48 | 48 | 48 | 37 | 37 | 37 | 28 | 28 | 28 | 23 |
| 1  | 58 | 55 | 52 | 49 | 52 | 50 | 47 | 45 | 40 | 38 | 36 | 31 | 29 | 28 | 22 | 22 | 21 | 17 |
| 2  | 52 | 47 | 43 | 39 | 47 | 43 | 39 | 36 | 34 | 32 | 29 | 26 | 24 | 23 | 19 | 18 | 17 | 13 |
| 3  | 48 | 41 | 36 | 32 | 43 | 37 | 33 | 30 | 30 | 27 | 24 | 23 | 21 | 19 | 17 | 15 | 14 | 11 |
| 4  | 43 | 36 | 31 | 27 | 39 | 33 | 28 | 25 | 26 | 23 | 20 | 20 | 18 | 16 | 15 | 13 | 12 | 9  |
| 5  | 40 | 32 | 27 | 23 | 36 | 29 | 25 | 21 | 24 | 20 | 17 | 18 | 16 | 14 | 13 | 12 | 10 | 8  |
| 6  | 37 | 29 | 24 | 20 | 33 | 26 | 22 | 18 | 21 | 18 | 15 | 17 | 14 | 12 | 12 | 10 | 9  | 7  |
| 7  | 34 | 26 | 21 | 17 | 30 | 24 | 19 | 16 | 19 | 16 | 13 | 15 | 12 | 11 | 11 | 9  | 8  | 6  |
| 8  | 31 | 24 | 19 | 15 | 28 | 21 | 17 | 14 | 17 | 14 | 12 | 14 | 11 | 9  | 10 | 8  | 7  | 6  |
| 9  | 29 | 21 | 17 | 14 | 26 | 20 | 15 | 13 | 16 | 13 | 10 | 13 | 10 | 8  | 9  | 8  | 6  | 5  |
| 10 | 27 | 20 | 15 | 12 | 25 | 18 | 14 | 11 | 15 | 12 | 9  | 12 | 9  | 8  | 9  | 7  | 6  | 5  |

POLAR GRAPH



Maximum Candela = 1158 Located At Horizontal Angle = 0, Vertical Angle = 170  
# 1 - Vertical Plane Through Horizontal Angles (0 - 180) (Through Max. Cd.) : BLUE  
# 2 - Vertical Plane Through Horizontal Angles (45 - 225) : GREEN  
# 3 - Vertical Plane Through Horizontal Angles (90 - 270) : MAGENTA  
# 4 - Horizontal Cone Through Vertical Angle (170) (Through Max. Cd.) : RED

NOTE: ALL TESTS ASSUME BALLAST FACTOR (BF) = 1.0 UNLESS STATED.  
IF TEST OR OTHER BALLAST USED HAS A BF OTHER THAN 1.0, ALL  
LUMEN, CANDELA, AND LUMINANCE VALUES SHOULD BE MULTIPLIED BY  
THE BF, CU, EFFICIENCY AND % FLUX VALUES REMAIN AS LISTED.  
TOTAL WATTS VALUE APPLIES ONLY TO TESTED BALLAST.