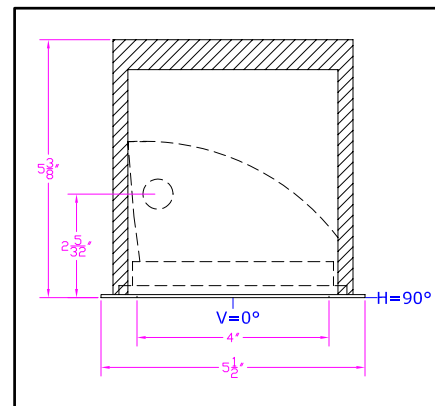


**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L08110707.IES**
**DESCRIPTION INFORMATION (From Photometric File)**

IESNA:LM-63-2002  
 [TEST] L08110707  
 [TESTLAB] LIGHT LABORATORY, INC.  
 [ISSUEDATE] 8/26/2011  
 [MANUFAC] PRUDENTIAL LIGHTING  
 [LUMCAT] BIO-MOD-FLSH-1T5-04'-AWW-TMW-D1W-SC-120-X3  
 [LUMINAIRE] 5-1/2"L. X 49-5/16"W. X 5-3/8"H. RECESSED FLUSH MOUNT ASYMMETRIC WALL WASH LUMINAIRE  
 [MORE] ONE 28W T5 LAMP, HAMMERONE REFLECTOR  
 [MORE] ACRYLIC ASYMMETRIC WALL WASH LENS  
 [BALLASTCAT] UNIVERSAL B228PUNV-C  
 [BALLAST] 120 TO 277V 50/60Hz ELECTRONIC  
 [LAMPPOSITION] 90,90  
 [LAMPCAT] SYLVANIA PENTRON FP28/835/ECO  
 [\_LAMPLUM] 2900  
 [\_INPUT] 120VAC, 30.592W

**CHARACTERISTICS**

|                                 |               |
|---------------------------------|---------------|
| Lumens Per Lamp                 | 2900 (1 lamp) |
| Total Lamp Lumens               | 2900          |
| Luminaire Lumens                | 2045          |
| Total Luminaire Efficiency      | 71 %          |
| Luminaire Efficacy Rating (LER) | 67            |
| Total Luminaire Watts           | 30.592        |
| Ballast Factor                  | 1.00          |
| CIE Type                        | Direct        |
| Spacing Criterion (0-180)       | 1.18          |
| Spacing Criterion (90-270)      | 1.18          |
| Spacing Criterion (Diagonal)    | 1.12          |
| Basic Luminous Shape            | Rectangular   |
| Luminous Length (0-180)         | 0.33 ft       |
| Luminous Width (90-270)         | 4.00 ft       |
| Luminous Height                 | 0.00 ft       |


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

| Angle In Degrees | Average 0-Deg | Average 45-Deg | Average 90-Deg |
|------------------|---------------|----------------|----------------|
| 45               | 5526          | 6143           | 6314           |
| 55               | 4772          | 5095           | 5166           |
| 65               | 4356          | 4279           | 3840           |
| 75               | 4211          | 3930           | 2901           |
| 85               | 4539          | 3891           | 2223           |

IES INDOOR REPORT  
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CANDELA TABULATION

|           | <u>0.0</u> | <u>22.5</u> | <u>45.0</u> | <u>67.5</u> | <u>90.0</u> | <u>112.5</u> | <u>135.0</u> | <u>157.5</u> | <u>180.0</u> |
|-----------|------------|-------------|-------------|-------------|-------------|--------------|--------------|--------------|--------------|
| <b>0</b>  | 1045       | 1045        | 1045        | 1045        | 1045        | 1045         | 1045         | 1045         | 1045         |
| <b>5</b>  | 1191       | 1178        | 1147        | 1100        | 1038        | 977          | 923          | 891          | 883          |
| <b>10</b> | 1253       | 1239        | 1203        | 1128        | 1018        | 906          | 817          | 766          | 752          |
| <b>15</b> | 1223       | 1221        | 1208        | 1133        | 986         | 831          | 719          | 657          | 638          |
| <b>20</b> | 1113       | 1127        | 1156        | 1111        | 942         | 754          | 629          | 558          | 537          |
| <b>25</b> | 968        | 991         | 1054        | 1060        | 886         | 679          | 547          | 473          | 450          |
| <b>30</b> | 824        | 846         | 922         | 976         | 819         | 605          | 473          | 401          | 379          |
| <b>35</b> | 693        | 713         | 783         | 866         | 740         | 533          | 407          | 340          | 319          |
| <b>40</b> | 581        | 596         | 653         | 740         | 650         | 463          | 348          | 287          | 271          |
| <b>45</b> | 484        | 495         | 538         | 614         | 553         | 397          | 294          | 244          | 230          |
| <b>50</b> | 400        | 408         | 438         | 496         | 453         | 335          | 246          | 202          | 195          |
| <b>55</b> | 339        | 343         | 362         | 402         | 367         | 281          | 199          | 175          | 167          |
| <b>60</b> | 281        | 282         | 287         | 311         | 282         | 211          | 166          | 144          | 139          |
| <b>65</b> | 228        | 229         | 224         | 232         | 201         | 170          | 129          | 115          | 111          |
| <b>70</b> | 181        | 181         | 172         | 166         | 144         | 123          | 98           | 88           | 86           |
| <b>75</b> | 135        | 134         | 126         | 111         | 93          | 83           | 71           | 65           | 64           |
| <b>80</b> | 90         | 89          | 83          | 68          | 53          | 51           | 47           | 45           | 45           |
| <b>85</b> | 49         | 47          | 42          | 32          | 24          | 25           | 25           | 26           | 26           |
| <b>90</b> | 0          | 0           | 0           | 0           | 0           | 0            | 0            | 0            | 0            |

**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L08110707.IES**

**ZONAL LUMEN SUMMARY**

| Zone   | Lumens  | %Lamp | %Fixt  |
|--------|---------|-------|--------|
| 0-30   | 734.82  | 25.30 | 35.90  |
| 0-40   | 1117.43 | 38.50 | 54.60  |
| 0-60   | 1721.85 | 59.40 | 84.20  |
| 0-90   | 2044.96 | 70.50 | 100.00 |
| 90-120 | 0.00    | 0.00  | 0.00   |
| 90-130 | 0.00    | 0.00  | 0.00   |
| 90-150 | 0.00    | 0.00  | 0.00   |
| 90-180 | 0.00    | 0.00  | 0.00   |
| 0-180  | 2044.96 | 70.50 | 100.00 |

Total Luminaire Efficiency = 70.50%

**ZONAL LUMEN SUMMARY**

| Zone    | Lumens |
|---------|--------|
| 0-10    | 98.09  |
| 10-20   | 269.23 |
| 20-30   | 367.50 |
| 30-40   | 382.62 |
| 40-50   | 338.00 |
| 50-60   | 266.41 |
| 60-70   | 183.68 |
| 70-80   | 104.70 |
| 80-90   | 34.73  |
| 90-100  | 0.00   |
| 100-110 | 0.00   |
| 110-120 | 0.00   |
| 120-130 | 0.00   |
| 130-140 | 0.00   |
| 140-150 | 0.00   |
| 150-160 | 0.00   |
| 160-170 | 0.00   |
| 170-180 | 0.00   |

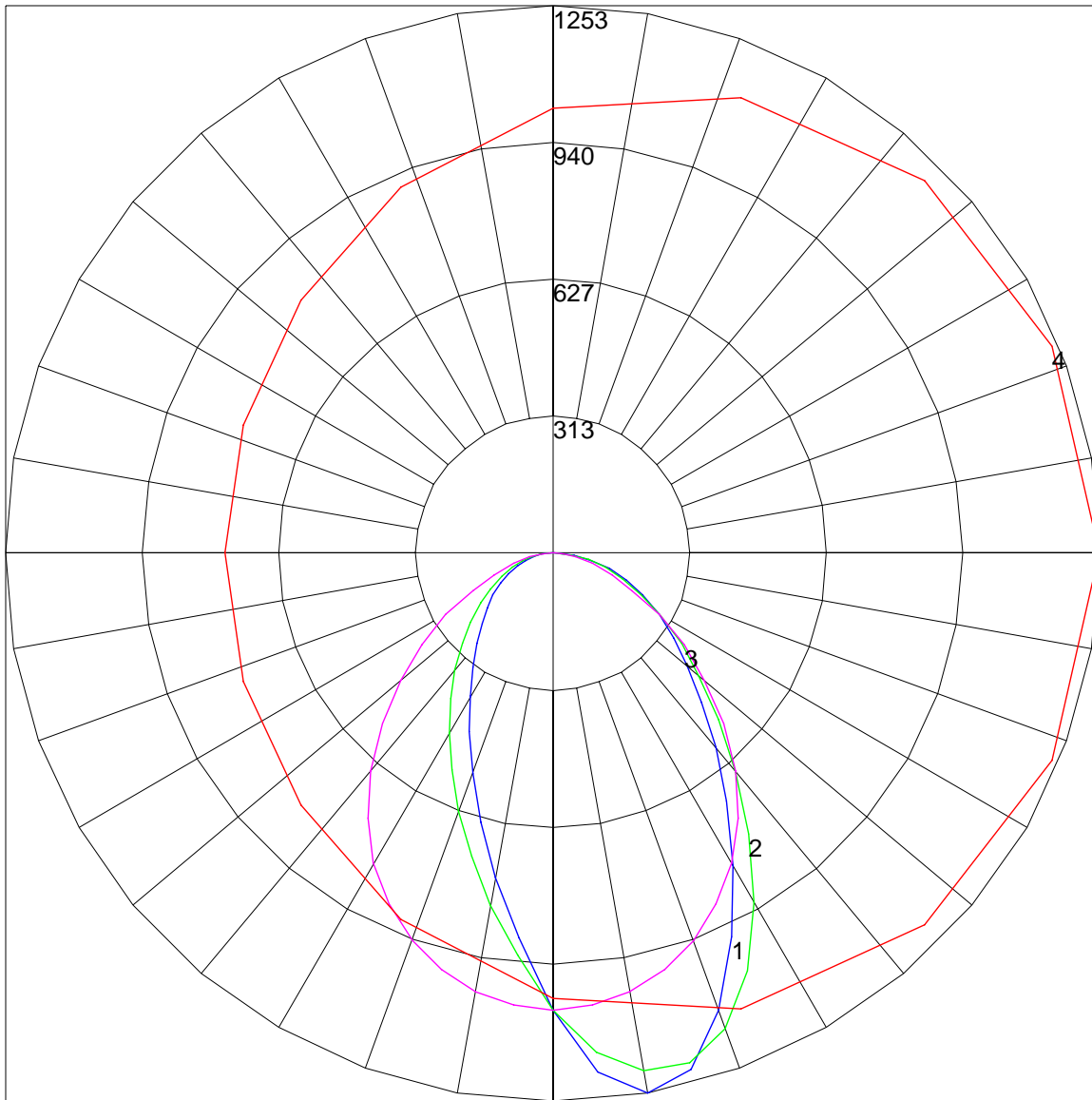
**IES INDOOR REPORT**  
**PHOTOMETRIC FILENAME : L08110707.IES**

**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  | 84 | 84 | 84 | 84 | 82 | 82 | 82 | 82 | 78 | 78 | 78 | 75 | 75 | 75 | 72 | 72 | 72 | 71 |
| 1  | 77 | 74 | 72 | 69 | 76 | 73 | 70 | 68 | 70 | 68 | 66 | 67 | 65 | 64 | 65 | 63 | 62 | 60 |
| 2  | 71 | 66 | 61 | 58 | 69 | 64 | 60 | 57 | 62 | 59 | 56 | 60 | 57 | 54 | 58 | 55 | 53 | 52 |
| 3  | 65 | 59 | 53 | 49 | 64 | 58 | 53 | 49 | 55 | 51 | 48 | 54 | 50 | 47 | 52 | 49 | 46 | 45 |
| 4  | 60 | 53 | 47 | 42 | 59 | 52 | 46 | 42 | 50 | 45 | 42 | 48 | 44 | 41 | 47 | 43 | 41 | 39 |
| 5  | 56 | 48 | 42 | 37 | 55 | 47 | 41 | 37 | 45 | 40 | 37 | 44 | 40 | 36 | 43 | 39 | 36 | 35 |
| 6  | 52 | 43 | 37 | 33 | 51 | 43 | 37 | 33 | 41 | 36 | 33 | 40 | 36 | 32 | 39 | 35 | 32 | 31 |
| 7  | 48 | 40 | 34 | 30 | 47 | 39 | 33 | 30 | 38 | 33 | 29 | 37 | 33 | 29 | 36 | 32 | 29 | 28 |
| 8  | 45 | 36 | 31 | 27 | 44 | 36 | 31 | 27 | 35 | 30 | 27 | 34 | 30 | 26 | 33 | 29 | 26 | 25 |
| 9  | 43 | 34 | 28 | 24 | 42 | 33 | 28 | 24 | 32 | 28 | 24 | 32 | 27 | 24 | 31 | 27 | 24 | 23 |
| 10 | 40 | 31 | 26 | 22 | 39 | 31 | 26 | 22 | 30 | 26 | 22 | 30 | 25 | 22 | 29 | 25 | 22 | 21 |

POLAR GRAPH



Maximum Candela = 1253 Located At Horizontal Angle = 0, Vertical Angle = 10  
# 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 (10) (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.