

**LUMINAIRE:** LXEW4-30M-FAN-EU  
 LXEW Led Enclosed and Gasketed, Extreme Environment  
 4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & FA  
 Data Scaled from Test# 17.01502 Refractor  
**BALLAST:** XI190C275V054BSG1  
**BALLAST FACTOR:** 1.00  
**LAMP:** LED  
**FIXTURE LUMENS:** 14938  
**WATTS:** 121.40  
**MOUNTING:** Surface  
**SHIELDING ANGLE:** 0° = 90 90° = 90  
**SPACING CRITERION:** 0° = 1.23 90° = 0.97  
**LUMINOUS OPENING IN FEET**  
 LENGTH: 4.17  
 WIDTH: 1.08  
 HEIGHT: 0.23

TEST #18830

DATE: 5/23/2017

**TOTAL LUMINAIRE EFFICIENCY = 100.0**

**TOTAL LUMENS PER WATT = 123**

**ANSI/IESNA RP-1-2004 COMPLIANCE: NONCOMPLIANT**

**COMPARATIVE YEARLY LIGHTING ENERGY COST PER 1000 LUMENS = \$1.95**

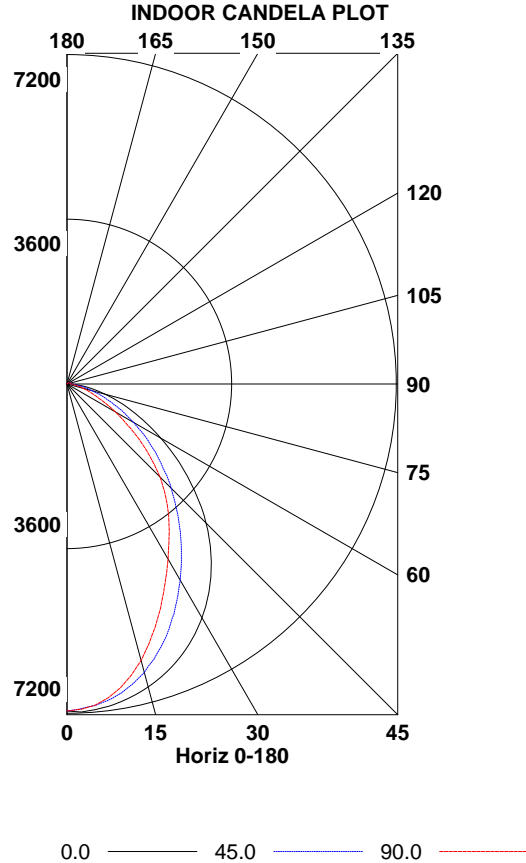
**BASED ON 3000 HRS. AND \$.08 PER KWH**

**ZONAL LUMENS**

| ZONE   | LUMENS | % LAMP | % FIXTURE |
|--------|--------|--------|-----------|
| 0-30   | 5085   | 34.0   | 34.0      |
| 0-40   | 7908   | 52.9   | 52.9      |
| 0-60   | 12540  | 84.0   | 84.0      |
| 0-90   | 14667  | 98.2   | 98.2      |
| 90-120 | 220    | 1.5    | 1.5       |
| 90-130 | 251    | 1.7    | 1.7       |
| 90-150 | 270    | 1.8    | 1.8       |
| 90-180 | 270    | 1.8    | 1.8       |
| 0-180  | 14938  | 100.0  | 100.0     |

**AVERAGE LUMINANCE**

| ANGLE | CANDELA/SQ M |       |       |       |       |
|-------|--------------|-------|-------|-------|-------|
|       | 0.0          | 22.5  | 45.0  | 67.5  | 90.0  |
| 0     | 17084        | 17084 | 17084 | 17084 | 17084 |
| 30    | 15783        | 14298 | 12323 | 11112 | 10865 |
| 40    | 14621        | 12495 | 10162 | 9182  | 9002  |
| 45    | 13765        | 11414 | 9166  | 8224  | 8025  |
| 50    | 12731        | 10270 | 8131  | 7129  | 6785  |
| 55    | 11592        | 9083  | 7106  | 5911  | 5457  |
| 60    | 10319        | 7893  | 6049  | 4710  | 4260  |
| 65    | 9057         | 6778  | 5022  | 3673  | 3242  |
| 70    | 7895         | 5708  | 4048  | 2815  | 2478  |
| 75    | 6686         | 4629  | 3142  | 2154  | 1893  |
| 80    | 5347         | 3458  | 2335  | 1632  | 1478  |
| 85    | 3885         | 2367  | 1689  | 1257  | 1174  |



**COEFFICIENTS OF UTILIZATION (%)**

| RC | EFFECTIVE FLOOR CAVITY REFLECTANCE = 20% |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |
|----|------------------------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|
|    | 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  | 119                                      | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 110 | 110 | 110 | 105 | 105 | 105 | 100 | 100 | 100 | 100 | 98 |
| 1  | 109                                      | 105 | 101 | 98  | 107 | 103 | 99  | 96  | 98  | 95  | 93  | 94  | 92  | 90  | 90  | 88  | 87  | 85  | 85 |
| 2  | 101                                      | 93  | 87  | 82  | 98  | 91  | 85  | 81  | 87  | 83  | 79  | 84  | 80  | 77  | 81  | 77  | 75  | 72  | 72 |
| 3  | 93                                       | 83  | 75  | 70  | 90  | 81  | 74  | 69  | 78  | 72  | 67  | 75  | 70  | 66  | 72  | 68  | 65  | 63  | 63 |
| R  | 4                                        | 85  | 74  | 66  | 60  | 83  | 73  | 65  | 60  | 70  | 64  | 59  | 68  | 62  | 58  | 65  | 61  | 57  | 55 |
| C  | 5                                        | 79  | 67  | 59  | 53  | 77  | 66  | 58  | 52  | 64  | 57  | 51  | 61  | 55  | 51  | 60  | 54  | 50  | 48 |
| R  | 6                                        | 73  | 61  | 52  | 47  | 71  | 60  | 52  | 46  | 58  | 51  | 46  | 56  | 50  | 45  | 54  | 49  | 45  | 43 |
|    | 7                                        | 68  | 56  | 47  | 42  | 66  | 55  | 47  | 41  | 53  | 46  | 41  | 51  | 45  | 41  | 50  | 44  | 40  | 38 |
|    | 8                                        | 64  | 51  | 43  | 37  | 62  | 50  | 43  | 37  | 49  | 42  | 37  | 47  | 41  | 37  | 46  | 41  | 36  | 35 |
|    | 9                                        | 60  | 47  | 39  | 34  | 58  | 46  | 39  | 34  | 45  | 38  | 34  | 44  | 38  | 33  | 43  | 37  | 33  | 31 |
|    | 10                                       | 56  | 44  | 36  | 31  | 55  | 43  | 36  | 31  | 42  | 35  | 31  | 41  | 35  | 31  | 40  | 34  | 30  | 29 |

RCR = ROOM CAVITY RATIO RC = EFFECTIVE CEILING CAVITY REFLECTANCE RW = WALL REFLECTANCE

THE DATA IN THIS REPORT ARE BASED ON ABSOLUTE MEASUREMENTS.

ANSI/IESNA RP-1 COMPLIANCE IS BASED ON ABSOLUTE MEASUREMENTS.

THIS TEST RUN IN ACCORDANCE WITH CURRENT I.E.S.N.A. PUBLISHED PROCEDURES.

APPROVED BY: \_\_\_\_\_

**LUMINAIRE: LXEW4-30M-FAN-EU**

LXEW Led Enclosed and Gasketed, Extreme Environment  
4' LED Enclosed and Gasketed High Bay w/ M4R Reflector & FA  
Data Scaled from Test# 17.01502 Refractor

TEST #18830  
DATE: 5/23/2017

**CANDELA VALUES**

| ANGLE | 0.0   | 22.5 | 45.0 | 67.5 | 90.0 |
|-------|-------|------|------|------|------|
| 0.0   | 7148  | 7148 | 7148 | 7148 | 7148 |
| 2.5   | 7175* | 7148 | 7103 | 7116 | 7116 |
| 5.0   | 7145  | 7112 | 7052 | 7046 | 7044 |
| 7.5   | 7099  | 7054 | 6969 | 6932 | 6917 |
| 10.0  | 7035  | 6977 | 6855 | 6780 | 6741 |
| 12.5  | 6951  | 6878 | 6703 | 6570 | 6512 |
| 15.0  | 6856  | 6757 | 6523 | 6334 | 6256 |
| 17.5  | 6743  | 6612 | 6310 | 6067 | 5955 |
| 20.0  | 6606  | 6446 | 6070 | 5763 | 5647 |
| 22.5  | 6458  | 6258 | 5814 | 5452 | 5331 |
| 25.0  | 6294  | 6054 | 5535 | 5143 | 5004 |
| 27.5  | 6103  | 5824 | 5237 | 4832 | 4703 |
| 30.0  | 5901  | 5577 | 4954 | 4533 | 4421 |
| 32.5  | 5679  | 5319 | 4653 | 4256 | 4144 |
| 35.0  | 5430  | 5040 | 4354 | 3986 | 3896 |
| 37.5  | 5174  | 4740 | 4065 | 3729 | 3656 |
| 40.0  | 4903  | 4450 | 3775 | 3481 | 3401 |
| 42.5  | 4600  | 4139 | 3488 | 3227 | 3148 |
| 45.0  | 4297  | 3824 | 3226 | 2963 | 2880 |
| 47.5  | 3984  | 3514 | 2955 | 2690 | 2582 |
| 50.0  | 3649  | 3198 | 2681 | 2415 | 2288 |
| 52.5  | 3325  | 2893 | 2427 | 2130 | 1998 |
| 55.0  | 3001  | 2592 | 2167 | 1860 | 1708 |
| 57.5  | 2669  | 2302 | 1921 | 1597 | 1451 |
| 60.0  | 2365  | 2030 | 1681 | 1357 | 1220 |
| 62.5  | 2076  | 1778 | 1454 | 1144 | 1009 |
| 65.0  | 1791  | 1539 | 1249 | 953  | 835  |
| 67.5  | 1537  | 1321 | 1052 | 782  | 684  |
| 70.0  | 1301  | 1114 | 881  | 644  | 562  |
| 72.5  | 1073  | 923  | 722  | 526  | 459  |
| 75.0  | 873   | 749  | 581  | 423  | 368  |
| 77.5  | 687   | 587  | 459  | 337  | 296  |
| 80.0  | 510   | 440  | 352  | 265  | 237  |
| 82.5  | 358   | 316  | 263  | 204  | 186  |
| 85.0  | 231   | 217  | 195  | 160  | 147  |
| 87.5  | 137   | 146  | 144  | 125  | 117  |
| 90.0  | 101   | 107  | 111  | 101  | 95   |
| 92.5  | 95    | 91   | 91   | 84   | 80   |
| 95.0  | 91    | 84   | 80   | 74   | 72   |
| 97.5  | 89    | 81   | 76   | 71   | 68   |
| 100.0 | 87    | 76   | 73   | 70   | 68   |
| 102.5 | 83    | 73   | 72   | 70   | 69   |
| 105.0 | 78    | 69   | 70   | 70   | 69   |
| 107.5 | 73    | 64   | 67   | 69   | 69   |
| 110.0 | 66    | 58   | 64   | 67   | 68   |
| 112.5 | 59    | 51   | 61   | 65   | 66   |
| 115.0 | 51    | 44   | 56   | 61   | 64   |
| 117.5 | 44    | 38   | 51   | 58   | 61   |
| 120.0 | 38    | 31   | 46   | 54   | 58   |
| 122.5 | 32    | 25   | 42   | 50   | 54   |
| 125.0 | 26    | 20   | 36   | 45   | 50   |
| 127.5 | 21    | 15   | 30   | 41   | 45   |
| 130.0 | 18    | 13   | 25   | 36   | 41   |
| 132.5 | 15    | 11   | 20   | 31   | 36   |
| 135.0 | 13    | 9    | 15   | 27   | 31   |
| 137.5 | 11    | 8    | 12   | 23   | 27   |
| 140.0 | 9     | 6    | 8    | 18   | 23   |
| 142.5 | 7     | 5    | 5    | 15   | 18   |
| 145.0 | 5     | 4    | 3    | 11   | 15   |
| 147.5 | 4     | 3    | 2    | 8    | 11   |
| 150.0 | 0     | 0    | 0    | 0    | 0    |
| 152.5 | 0     | 0    | 0    | 0    | 0    |
| 155.0 | 0     | 0    | 0    | 0    | 0    |
| 157.5 | 0     | 0    | 0    | 0    | 0    |
| 160.0 | 0     | 0    | 0    | 0    | 0    |
| 162.5 | 0     | 0    | 0    | 0    | 0    |
| 165.0 | 0     | 0    | 0    | 0    | 0    |
| 167.5 | 0     | 0    | 0    | 0    | 0    |
| 170.0 | 0     | 0    | 0    | 0    | 0    |
| 172.5 | 0     | 0    | 0    | 0    | 0    |
| 175.0 | 0     | 0    | 0    | 0    | 0    |
| 177.5 | 0     | 0    | 0    | 0    | 0    |
| 180.0 | 0     | 0    | 0    | 0    | 0    |

\*MAXIMUM CANDELA VALUE