

Scaled data based on original data using  
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for  
Cooper Lighting Solutions  
(formerly Eaton)

Brand: STREETWORKS

Report Number: P141983

Luminaire Tested: **MEM-F01-LED-E-U-T3-8030**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P141983  
REPORT IS SCALED FROM IESNA LM-79-08 TEST DATA (P33683)  
Test Lab: INNOVATION CENTER-P3  
Issue Date: 3/3/2020  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: MEM-F01-LED-E-U-T3-8030  
Description: EPIC MODERN MEDIUM DECORATIVE LED LUMINAIRE  
(1) LIGHTBARS WITH AccuLED OPTICS - TYPE 3 AREA  
Light Source: (7) 3000K CCT, 80 CRI LEDs  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 2045.8 lumens  
Efficiency: N/A  
Efficacy: 79.0 lumens/watt  
Luminous Opening: Rectangular (W 0.17' x L: 1' x H: 0')  
IES Classification: Type III - Short - Semi-Cutoff  
BUG Rating: B1 - U0 - G1

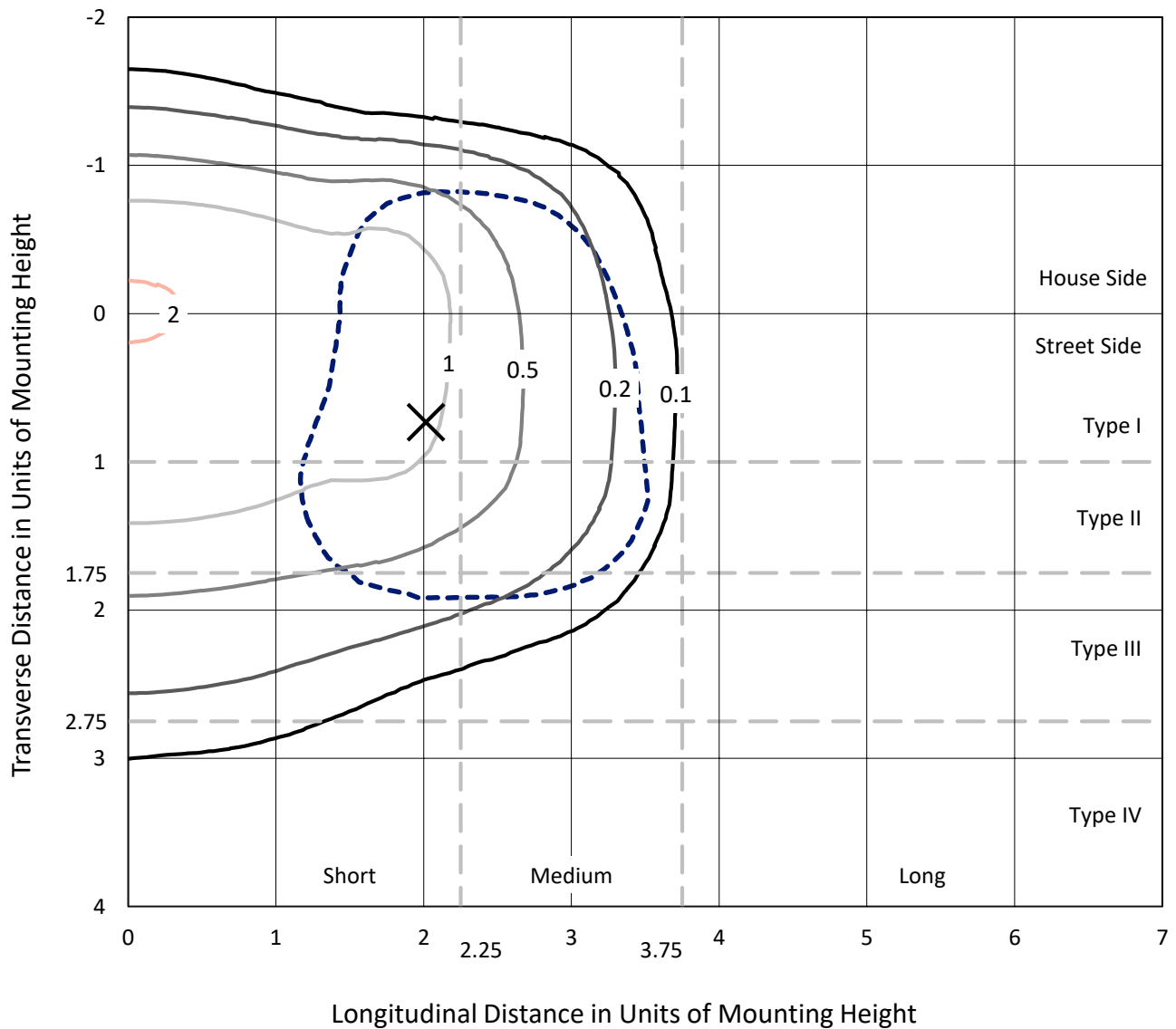
Input Watts (W): 25.9  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P141983  
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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

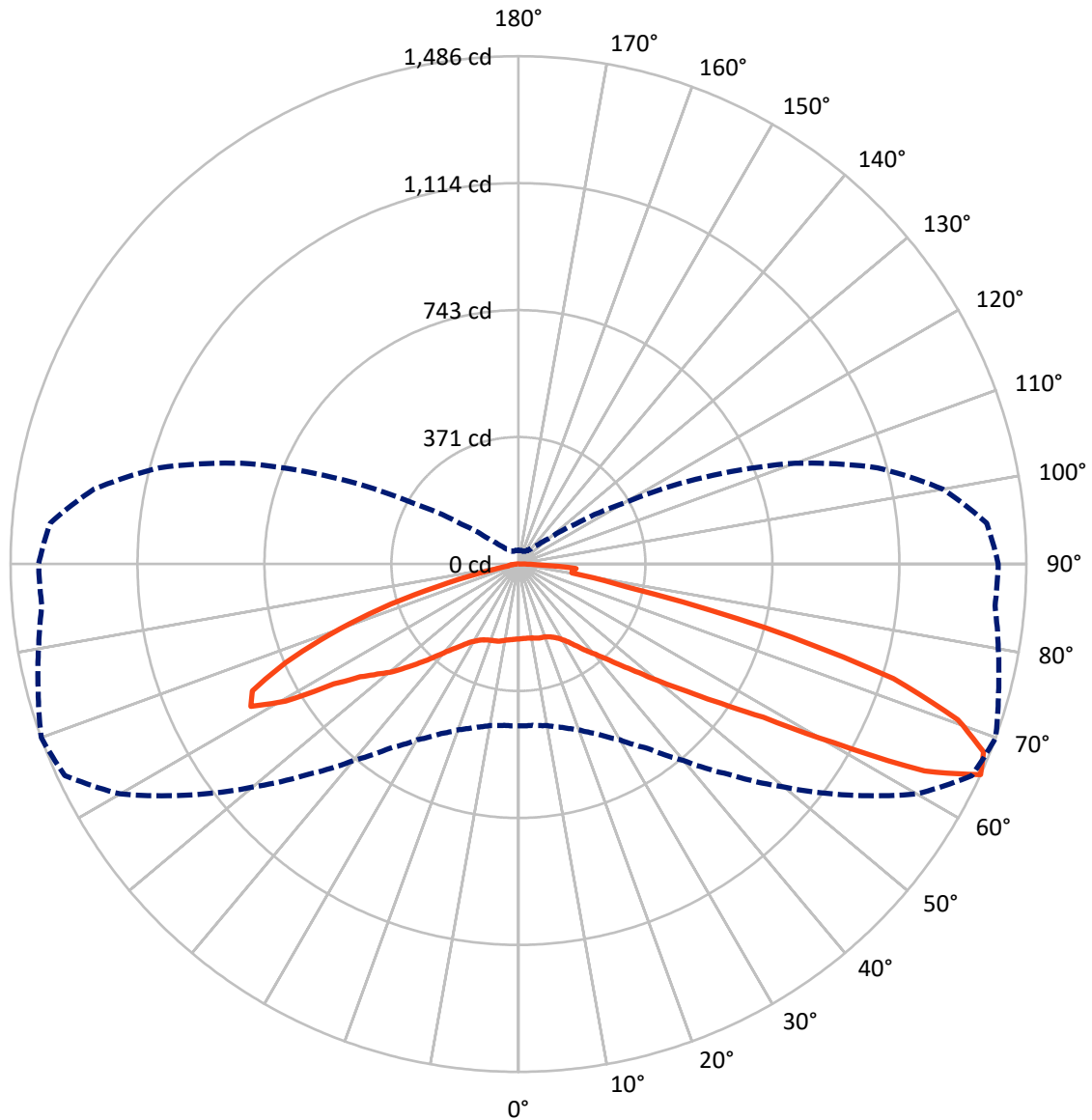


Based on 10 foot mounting height. Maximum calculated value = 2.2 fc  
 Type III - Short - Semi-Cutoff

REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

### Luminous Intensity Polar Plot



— Vertical Plane Through 70-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total  |
|--------------------|-----------|----------|--------|--------|
| <b>House Side</b>  | Lumens    | 690.6    | 0.0    | 690.6  |
|                    | % Fixture | 33.8     | 0.0    | 33.8   |
| <b>Street Side</b> | Lumens    | 1355.2   | 0.0    | 1355.2 |
|                    | % Fixture | 66.2     | 0.0    | 66.2   |
| <b>Total</b>       | Lumens    | 2045.8   | 0.0    | 2045.8 |
|                    | % Fixture | 100.0    | 0.0    | 100.0  |

**Coefficient of Utilization**

**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 21.1   | 1.0       |
| 10°-20°   | 62.5   | 3.1       |
| 20°-30°   | 107.5  | 5.3       |
| 30°-40°   | 172.2  | 8.4       |
| 40°-50°   | 282.0  | 13.8      |
| 50°-60°   | 441.4  | 21.6      |
| 60°-70°   | 620.4  | 30.3      |
| 70°-80°   | 293.6  | 14.3      |
| 80°-90°   | 45.1   | 2.2       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-90°    | 2045.8 | 100.0     |
| 0°-180°   | 2045.8 | 100.0     |



REPORT NUMBER: P141983

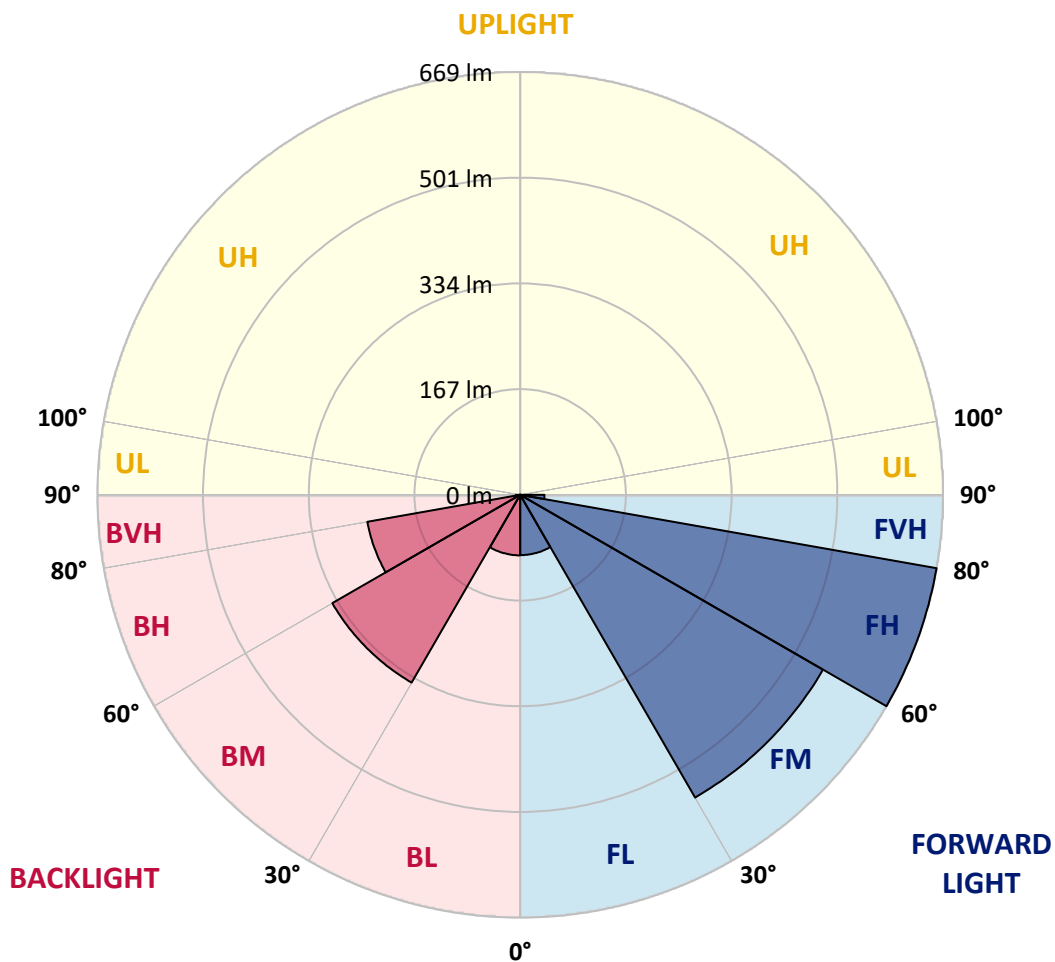
CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone           | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|--------|-----------|-------------------------|------|---------|
|                |        |           | B                       | U    | G       |
| FL (0°-30°)    | 95.3   | 4.7       |                         |      |         |
| FM (30°-60°)   | 552.8  | 27.0      |                         |      |         |
| FH (60°-80°)   | 668.6  | 32.7      |                         |      | G1/1800 |
| FVH (80°-90°)  | 38.4   | 1.9       |                         |      | G1/100  |
| BL (0°-30°)    | 95.8   | 4.7       | B0/110                  |      |         |
| BM (30°-60°)   | 342.9  | 16.8      | B1/1000                 |      |         |
| BH (60°-80°)   | 245.3  | 12.0      | B1/500                  |      | G1/500  |
| BVH (80°-90°)  | 6.7    | 0.3       |                         |      | G0/10   |
| UL (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B1-U0-G1**

Type III Short





REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**CANDELA DISTRIBUTION (FULL):**

|       | 0°    | 5°    | 10°   | 15°   | 20°   | 25°   | 30°   | 35°   | 40°   | 45°   | 50°    |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 0°    | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2  |
| 2.5°  | 218.1 | 218.3 | 218.3 | 217.8 | 217.8 | 218.1 | 218.1 | 218.3 | 218.3 | 218.3 | 218.5  |
| 5°    | 218.1 | 218.3 | 218.3 | 218.1 | 217.8 | 218.3 | 218.1 | 218.3 | 218.3 | 218.3 | 218.3  |
| 7.5°  | 217.6 | 217.8 | 217.8 | 217.6 | 217.8 | 218.1 | 218.1 | 218.5 | 218.8 | 218.8 | 219.0  |
| 10°   | 215.3 | 215.5 | 215.8 | 215.8 | 216.2 | 216.9 | 217.1 | 218.1 | 218.3 | 219.0 | 219.5  |
| 12.5° | 211.1 | 211.1 | 211.6 | 212.0 | 212.7 | 214.1 | 214.8 | 216.2 | 217.4 | 218.3 | 219.9  |
| 15°   | 207.4 | 207.4 | 207.9 | 208.1 | 209.5 | 210.4 | 211.8 | 213.4 | 215.5 | 217.4 | 219.9  |
| 17.5° | 209.3 | 209.3 | 209.0 | 208.8 | 209.0 | 209.0 | 210.2 | 211.8 | 213.7 | 216.2 | 219.5  |
| 20°   | 216.5 | 216.2 | 215.3 | 214.8 | 214.6 | 213.7 | 213.0 | 212.7 | 213.7 | 215.5 | 218.8  |
| 22.5° | 222.7 | 222.3 | 222.0 | 221.6 | 222.3 | 221.8 | 220.9 | 219.7 | 218.3 | 217.6 | 219.5  |
| 25°   | 226.4 | 226.7 | 226.7 | 226.7 | 228.1 | 228.5 | 229.0 | 227.6 | 226.0 | 223.7 | 223.9  |
| 27.5° | 231.5 | 231.8 | 231.3 | 232.2 | 233.9 | 235.0 | 236.2 | 237.1 | 236.2 | 234.8 | 233.2  |
| 30°   | 242.5 | 242.5 | 241.8 | 242.5 | 243.9 | 245.0 | 246.6 | 248.3 | 248.3 | 246.9 | 245.3  |
| 32.5° | 253.8 | 254.1 | 254.1 | 254.5 | 256.6 | 257.6 | 259.9 | 261.5 | 262.7 | 261.7 | 262.7  |
| 35°   | 267.5 | 267.3 | 268.0 | 268.2 | 271.5 | 272.7 | 277.3 | 278.5 | 280.3 | 280.8 | 281.5  |
| 37.5° | 290.3 | 290.8 | 289.4 | 288.4 | 291.2 | 291.2 | 297.3 | 300.5 | 300.1 | 303.3 | 305.6  |
| 40°   | 327.0 | 324.9 | 324.2 | 323.7 | 325.4 | 325.1 | 324.9 | 329.3 | 331.4 | 331.9 | 333.0  |
| 42.5° | 367.6 | 368.3 | 367.6 | 369.3 | 369.3 | 368.1 | 367.2 | 366.5 | 370.4 | 373.0 | 373.5  |
| 45°   | 415.3 | 416.2 | 414.8 | 413.6 | 416.6 | 418.3 | 418.3 | 420.1 | 423.4 | 424.5 | 423.8  |
| 47.5° | 453.3 | 455.9 | 454.7 | 456.4 | 461.2 | 466.8 | 474.2 | 479.1 | 482.6 | 485.9 | 491.0  |
| 50°   | 487.7 | 488.9 | 491.7 | 497.0 | 504.2 | 513.0 | 525.1 | 537.2 | 544.2 | 552.3 | 558.3  |
| 52.5° | 508.6 | 512.1 | 516.3 | 525.1 | 537.2 | 549.5 | 568.1 | 587.8 | 605.5 | 614.5 | 621.7  |
| 55°   | 521.2 | 523.7 | 529.3 | 541.4 | 558.3 | 576.7 | 599.9 | 627.1 | 650.5 | 670.5 | 686.1  |
| 57.5° | 520.7 | 522.8 | 530.4 | 543.7 | 563.9 | 586.9 | 615.9 | 649.8 | 684.4 | 717.6 | 746.9  |
| 60°   | 510.7 | 512.6 | 520.2 | 534.4 | 556.5 | 583.9 | 618.7 | 660.3 | 707.2 | 757.1 | 808.4  |
| 62.5° | 495.4 | 496.8 | 503.5 | 517.7 | 540.0 | 569.2 | 610.1 | 664.7 | 731.3 | 810.1 | 909.7  |
| 65°   | 473.8 | 473.8 | 480.1 | 494.7 | 516.0 | 548.8 | 593.9 | 658.0 | 750.2 | 870.0 | 1014.9 |
| 67.5° | 442.0 | 442.0 | 447.1 | 459.1 | 475.9 | 498.6 | 543.7 | 610.3 | 707.7 | 851.2 | 1020.7 |
| 70°   | 381.8 | 382.7 | 382.7 | 390.2 | 397.6 | 407.8 | 429.2 | 480.3 | 571.6 | 711.8 | 878.6  |
| 72.5° | 279.9 | 262.9 | 276.1 | 288.2 | 296.6 | 302.2 | 314.5 | 330.5 | 376.5 | 481.7 | 632.6  |
| 75°   | 176.3 | 180.7 | 190.7 | 204.4 | 225.0 | 246.4 | 269.9 | 279.9 | 275.7 | 288.2 | 389.7  |
| 77.5° | 106.8 | 103.1 | 112.9 | 133.3 | 156.5 | 185.6 | 229.5 | 267.5 | 289.4 | 288.0 | 275.9  |
| 80°   | 46.2  | 45.1  | 51.6  | 61.3  | 72.7  | 98.9  | 139.1 | 191.4 | 249.4 | 283.1 | 278.0  |
| 82.5° | 16.5  | 16.7  | 21.1  | 25.1  | 30.2  | 38.8  | 55.0  | 88.0  | 139.6 | 198.8 | 245.7  |
| 85°   | 4.9   | 5.3   | 7.4   | 10.5  | 11.8  | 13.5  | 18.6  | 27.6  | 47.1  | 75.2  | 133.8  |
| 87.5° | 1.4   | 1.6   | 2.1   | 3.7   | 3.5   | 3.3   | 3.7   | 5.8   | 4.4   | 3.7   | 18.6   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0    |



REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**CANDELA DISTRIBUTION (continued):**

|       | 55°    | 60°    | 65°    | 70°    | 75°    | 80°    | 85°    | 90°    | 95°    | 100°   | 105°   |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  | 219.2  |
| 2.5°  | 218.3  | 218.3  | 218.3  | 218.5  | 218.3  | 218.3  | 218.5  | 218.5  | 218.8  | 219.0  | 219.5  |
| 5°    | 218.1  | 218.1  | 218.3  | 218.3  | 218.3  | 218.5  | 218.8  | 219.0  | 219.5  | 220.2  | 220.9  |
| 7.5°  | 218.8  | 218.8  | 218.5  | 218.8  | 218.8  | 219.0  | 219.5  | 219.7  | 220.6  | 221.3  | 222.5  |
| 10°   | 219.5  | 219.5  | 219.7  | 219.9  | 219.9  | 220.4  | 221.1  | 221.3  | 222.3  | 223.7  | 224.8  |
| 12.5° | 220.4  | 221.1  | 222.0  | 222.5  | 223.0  | 223.4  | 224.1  | 224.6  | 225.7  | 227.6  | 229.0  |
| 15°   | 221.1  | 222.7  | 223.7  | 224.8  | 225.5  | 225.7  | 226.4  | 227.4  | 228.5  | 230.4  | 232.0  |
| 17.5° | 221.1  | 223.2  | 224.6  | 225.7  | 226.9  | 227.6  | 228.3  | 229.2  | 230.9  | 232.7  | 234.3  |
| 20°   | 220.9  | 223.9  | 225.7  | 227.6  | 229.7  | 230.4  | 231.5  | 232.5  | 234.3  | 236.7  | 237.8  |
| 22.5° | 222.0  | 225.5  | 228.1  | 231.3  | 233.6  | 235.5  | 236.9  | 238.5  | 239.9  | 241.5  | 242.0  |
| 25°   | 225.5  | 229.0  | 233.2  | 237.1  | 240.4  | 243.2  | 245.0  | 246.4  | 248.0  | 248.7  | 247.8  |
| 27.5° | 231.3  | 233.9  | 239.7  | 245.5  | 250.6  | 254.1  | 256.2  | 258.0  | 258.5  | 259.9  | 256.4  |
| 30°   | 241.8  | 242.9  | 249.0  | 257.3  | 263.1  | 268.9  | 271.7  | 273.6  | 273.8  | 272.9  | 266.8  |
| 32.5° | 259.0  | 256.9  | 262.2  | 273.4  | 282.2  | 287.1  | 291.5  | 292.6  | 291.9  | 288.9  | 279.2  |
| 35°   | 279.9  | 276.6  | 279.2  | 295.4  | 305.2  | 312.4  | 316.6  | 317.7  | 316.1  | 310.7  | 297.3  |
| 37.5° | 305.6  | 304.5  | 305.6  | 321.2  | 338.1  | 344.9  | 346.7  | 348.1  | 344.2  | 334.4  | 316.8  |
| 40°   | 334.2  | 334.4  | 333.0  | 347.2  | 368.6  | 378.3  | 382.7  | 379.7  | 374.8  | 360.9  | 341.4  |
| 42.5° | 373.7  | 372.3  | 367.4  | 380.2  | 407.6  | 417.6  | 421.5  | 419.2  | 414.3  | 396.7  | 373.9  |
| 45°   | 425.9  | 421.3  | 416.6  | 423.4  | 449.9  | 462.9  | 468.7  | 467.0  | 458.5  | 437.1  | 415.7  |
| 47.5° | 489.8  | 484.9  | 476.3  | 475.2  | 501.9  | 517.2  | 519.3  | 516.7  | 510.2  | 488.9  | 462.6  |
| 50°   | 556.9  | 555.5  | 551.6  | 542.3  | 566.2  | 581.5  | 580.1  | 578.3  | 571.1  | 543.9  | 517.0  |
| 52.5° | 626.4  | 629.2  | 626.6  | 620.1  | 645.6  | 651.9  | 652.4  | 646.8  | 638.4  | 613.4  | 576.7  |
| 55°   | 699.3  | 709.7  | 713.7  | 718.8  | 739.0  | 738.1  | 732.7  | 719.5  | 721.6  | 693.0  | 642.2  |
| 57.5° | 776.6  | 808.7  | 834.0  | 845.4  | 864.6  | 870.2  | 856.8  | 861.2  | 859.3  | 829.8  | 749.7  |
| 60°   | 878.6  | 955.2  | 1021.2 | 1061.8 | 1087.8 | 1077.8 | 1096.7 | 1097.6 | 1129.4 | 1064.6 | 939.7  |
| 62.5° | 1041.2 | 1181.9 | 1298.9 | 1334.0 | 1340.8 | 1338.4 | 1316.1 | 1338.4 | 1332.4 | 1253.4 | 1091.6 |
| 65°   | 1177.9 | 1345.4 | 1464.3 | 1485.7 | 1454.3 | 1425.5 | 1399.5 | 1403.9 | 1375.1 | 1260.9 | 1087.1 |
| 67.5° | 1196.5 | 1363.3 | 1473.6 | 1467.6 | 1399.0 | 1345.6 | 1302.4 | 1268.5 | 1209.8 | 1106.4 | 955.0  |
| 70°   | 1049.5 | 1226.3 | 1368.4 | 1363.7 | 1268.5 | 1197.2 | 1127.1 | 1076.0 | 1016.1 | 936.2  | 792.9  |
| 72.5° | 816.3  | 973.8  | 1111.5 | 1147.3 | 1053.5 | 974.7  | 910.4  | 845.4  | 783.6  | 707.7  | 617.3  |
| 75°   | 555.8  | 674.2  | 738.3  | 748.1  | 662.1  | 603.1  | 578.3  | 525.1  | 459.6  | 443.4  | 376.5  |
| 77.5° | 322.8  | 368.3  | 348.8  | 322.8  | 259.9  | 190.9  | 145.8  | 124.7  | 125.2  | 143.8  | 137.7  |
| 80°   | 262.4  | 249.9  | 197.2  | 158.2  | 107.5  | 54.8   | 36.7   | 31.6   | 31.8   | 36.9   | 35.8   |
| 82.5° | 270.6  | 277.8  | 228.3  | 159.8  | 110.1  | 58.1   | 27.9   | 20.7   | 24.2   | 26.2   | 25.8   |
| 85°   | 200.4  | 262.7  | 235.5  | 169.5  | 118.2  | 61.8   | 18.1   | 11.4   | 16.0   | 19.5   | 20.9   |
| 87.5° | 56.2   | 88.3   | 68.5   | 45.3   | 33.0   | 11.1   | 7.2    | 6.0    | 7.4    | 10.2   | 10.2   |
| 90°   | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |





REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**CANDELA DISTRIBUTION (continued):**

|       | 110°  | 115°  | 120°  | 125°  | 130°  | 135°  | 140°  | 145°  | 150°  | 155°  | 160°  |
|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 0°    | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 | 219.2 |
| 2.5°  | 219.7 | 220.6 | 220.4 | 220.9 | 221.1 | 221.8 | 222.3 | 222.0 | 222.0 | 222.5 | 223.0 |
| 5°    | 221.6 | 222.7 | 222.7 | 223.4 | 224.1 | 225.0 | 225.7 | 225.3 | 225.5 | 226.0 | 226.4 |
| 7.5°  | 223.4 | 224.8 | 225.0 | 225.7 | 226.2 | 226.7 | 227.1 | 226.4 | 226.2 | 226.2 | 226.0 |
| 10°   | 225.7 | 227.1 | 226.9 | 226.9 | 226.7 | 226.2 | 225.3 | 223.7 | 222.5 | 221.8 | 221.3 |
| 12.5° | 229.7 | 230.6 | 229.2 | 227.8 | 225.5 | 223.9 | 221.8 | 219.9 | 218.5 | 217.4 | 216.9 |
| 15°   | 233.2 | 232.7 | 231.1 | 228.5 | 225.3 | 222.7 | 220.6 | 218.1 | 216.5 | 215.1 | 214.4 |
| 17.5° | 235.0 | 233.4 | 231.1 | 228.8 | 226.0 | 223.7 | 221.1 | 218.1 | 215.5 | 213.7 | 212.7 |
| 20°   | 236.9 | 234.3 | 231.3 | 229.0 | 226.9 | 225.0 | 223.2 | 219.5 | 216.2 | 213.4 | 212.0 |
| 22.5° | 239.7 | 236.2 | 233.2 | 231.1 | 229.0 | 227.1 | 225.3 | 221.8 | 218.3 | 214.6 | 212.5 |
| 25°   | 243.6 | 239.0 | 236.9 | 234.8 | 232.5 | 230.6 | 228.1 | 224.8 | 221.1 | 216.7 | 213.7 |
| 27.5° | 249.9 | 245.7 | 243.4 | 241.3 | 238.5 | 235.5 | 232.7 | 228.3 | 224.8 | 219.7 | 215.8 |
| 30°   | 259.0 | 254.5 | 252.5 | 250.4 | 247.1 | 243.2 | 239.2 | 233.6 | 228.8 | 223.0 | 217.8 |
| 32.5° | 270.3 | 268.0 | 265.5 | 262.0 | 257.6 | 252.7 | 246.9 | 239.4 | 232.5 | 225.3 | 218.8 |
| 35°   | 288.0 | 284.0 | 279.9 | 276.4 | 269.9 | 263.1 | 254.3 | 243.4 | 234.1 | 225.3 | 217.4 |
| 37.5° | 308.2 | 304.0 | 298.4 | 292.2 | 282.4 | 271.7 | 259.4 | 245.7 | 233.4 | 222.7 | 213.9 |
| 40°   | 332.6 | 327.2 | 319.8 | 308.0 | 293.6 | 277.5 | 261.0 | 243.9 | 229.5 | 217.1 | 206.9 |
| 42.5° | 364.9 | 353.9 | 339.5 | 322.1 | 301.7 | 279.9 | 259.0 | 239.0 | 222.7 | 209.3 | 199.0 |
| 45°   | 401.3 | 383.9 | 360.7 | 334.7 | 306.3 | 278.9 | 254.3 | 231.1 | 212.7 | 197.9 | 187.2 |
| 47.5° | 440.6 | 413.4 | 379.3 | 342.6 | 306.8 | 273.8 | 245.3 | 219.2 | 198.6 | 182.8 | 169.5 |
| 50°   | 484.9 | 440.1 | 392.3 | 346.5 | 303.8 | 264.8 | 232.2 | 202.3 | 180.9 | 162.1 | 150.0 |
| 52.5° | 523.0 | 463.6 | 401.3 | 344.9 | 293.1 | 249.0 | 210.9 | 181.8 | 156.8 | 140.0 | 128.2 |
| 55°   | 568.1 | 486.3 | 406.2 | 336.8 | 275.9 | 224.3 | 187.9 | 155.6 | 131.9 | 117.1 | 106.8 |
| 57.5° | 644.0 | 524.9 | 410.4 | 320.3 | 247.6 | 193.5 | 156.1 | 125.9 | 107.3 | 94.3  | 87.1  |
| 60°   | 790.6 | 599.7 | 427.6 | 295.6 | 211.6 | 156.3 | 120.5 | 98.5  | 82.4  | 73.9  | 68.7  |
| 62.5° | 886.5 | 650.5 | 419.9 | 257.8 | 165.4 | 117.1 | 88.3  | 71.1  | 61.8  | 55.5  | 53.2  |
| 65°   | 862.1 | 599.2 | 356.3 | 204.4 | 115.2 | 77.8  | 59.2  | 48.8  | 44.6  | 41.3  | 39.9  |
| 67.5° | 740.4 | 483.3 | 258.3 | 132.1 | 72.9  | 47.4  | 38.8  | 34.6  | 32.7  | 31.4  | 31.1  |
| 70°   | 589.9 | 340.7 | 153.5 | 70.1  | 40.4  | 31.4  | 27.6  | 26.0  | 25.3  | 25.3  | 25.3  |
| 72.5° | 428.0 | 196.2 | 75.5  | 37.9  | 27.2  | 23.9  | 22.3  | 21.8  | 21.6  | 21.6  | 21.8  |
| 75°   | 244.6 | 85.0  | 38.8  | 26.0  | 22.3  | 20.7  | 19.7  | 19.7  | 19.7  | 19.7  | 20.0  |
| 77.5° | 85.2  | 38.8  | 27.4  | 21.8  | 19.3  | 18.3  | 17.9  | 18.3  | 18.6  | 18.6  | 18.6  |
| 80°   | 31.1  | 27.4  | 23.5  | 19.0  | 17.2  | 16.3  | 16.3  | 17.0  | 17.4  | 17.0  | 16.7  |
| 82.5° | 24.6  | 21.6  | 19.0  | 16.5  | 15.1  | 14.6  | 14.9  | 15.3  | 15.1  | 14.9  | 14.2  |
| 85°   | 18.8  | 14.2  | 13.2  | 12.3  | 12.1  | 12.1  | 13.0  | 13.2  | 12.3  | 11.8  | 11.1  |
| 87.5° | 9.3   | 7.4   | 6.7   | 7.9   | 7.7   | 7.0   | 7.2   | 7.2   | 6.0   | 5.6   | 5.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   | 0.0   |



REPORT NUMBER: P141983

CATALOG NUMBER: MEM-F01-LED-E-U-T3-8030

**CANDELA DISTRIBUTION (continued):**

|       | 165°  | 170°  | 175°  | 180°  |
|-------|-------|-------|-------|-------|
| 0°    | 219.2 | 219.2 | 219.2 | 219.2 |
| 2.5°  | 223.0 | 223.2 | 223.9 | 223.7 |
| 5°    | 226.2 | 226.4 | 226.9 | 226.9 |
| 7.5°  | 225.5 | 225.7 | 225.7 | 225.7 |
| 10°   | 220.2 | 220.2 | 220.6 | 220.6 |
| 12.5° | 216.0 | 215.8 | 215.8 | 215.3 |
| 15°   | 213.4 | 213.0 | 213.2 | 212.5 |
| 17.5° | 211.6 | 211.3 | 211.3 | 210.9 |
| 20°   | 210.9 | 210.4 | 210.2 | 209.7 |
| 22.5° | 210.4 | 210.2 | 209.7 | 209.3 |
| 25°   | 211.6 | 210.4 | 210.2 | 209.7 |
| 27.5° | 212.7 | 211.6 | 210.6 | 210.4 |
| 30°   | 213.9 | 211.8 | 210.6 | 210.2 |
| 32.5° | 213.7 | 210.9 | 209.3 | 208.6 |
| 35°   | 211.1 | 207.6 | 205.5 | 204.8 |
| 37.5° | 206.2 | 202.3 | 199.0 | 197.9 |
| 40°   | 199.3 | 194.2 | 191.1 | 189.5 |
| 42.5° | 190.9 | 185.1 | 182.5 | 181.2 |
| 45°   | 177.2 | 172.6 | 169.5 | 168.4 |
| 47.5° | 161.9 | 155.6 | 152.8 | 151.7 |
| 50°   | 142.1 | 137.0 | 134.7 | 133.1 |
| 52.5° | 121.2 | 116.6 | 114.5 | 113.6 |
| 55°   | 101.0 | 98.7  | 95.5  | 94.8  |
| 57.5° | 82.0  | 81.3  | 79.0  | 78.7  |
| 60°   | 66.7  | 65.5  | 63.9  | 63.9  |
| 62.5° | 52.5  | 51.3  | 50.6  | 50.6  |
| 65°   | 40.4  | 40.2  | 39.7  | 39.5  |
| 67.5° | 31.1  | 31.8  | 32.0  | 31.6  |
| 70°   | 26.0  | 26.2  | 26.2  | 26.2  |
| 72.5° | 22.5  | 22.5  | 22.5  | 22.3  |
| 75°   | 20.4  | 20.4  | 20.0  | 19.7  |
| 77.5° | 18.8  | 18.6  | 18.8  | 18.6  |
| 80°   | 16.5  | 16.3  | 15.8  | 15.3  |
| 82.5° | 13.7  | 13.5  | 12.3  | 12.3  |
| 85°   | 10.7  | 10.0  | 9.1   | 8.1   |
| 87.5° | 6.0   | 5.3   | 3.9   | 2.8   |
| 90°   | 0.0   | 0.0   | 0.0   | 0.0   |

(END OF REPORT)