

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: INVUE

Report Number: P160074

Luminaire Tested: **ENT-F02-LED-E1-GZW-7050-ULG**

Issue Date: 03/03/2020

Test Information

Test Method: LM-79-08
Report Number: P160074
REPORT IS FROM IESNA LM-79-08 TEST DATA - UPLIGHT (P20107) AND DOWNLIGHT
Test Lab: INNOVATION CENTER-P3
Issue Date: 03/03/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: INVUE
Catalog Number: ENT-F02-LED-E1-GZW-7050-ULG
Description: ENTRI LED LUMINAIRE WITH UPLIGHT
(2) LIGHTBARS WITH AccuLED OPTICS - WALL GRAZER WIDE
Light Source: (14) 5000K CCT, 70 CRI LEDs
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5033.4 lumens
Efficiency: N/A
Efficacy: 87.8 lumens/watt
Luminous Opening: Rectangular (W 0.33' x L: 1' x H: 0')
IES Classification: Type I - Short - Semi-Cutoff
BUG Rating: B2 - U3 - G2

Input Watts (W): 57.3
Input Voltage (V): NR
Input Current (Ain): 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: 25 FT

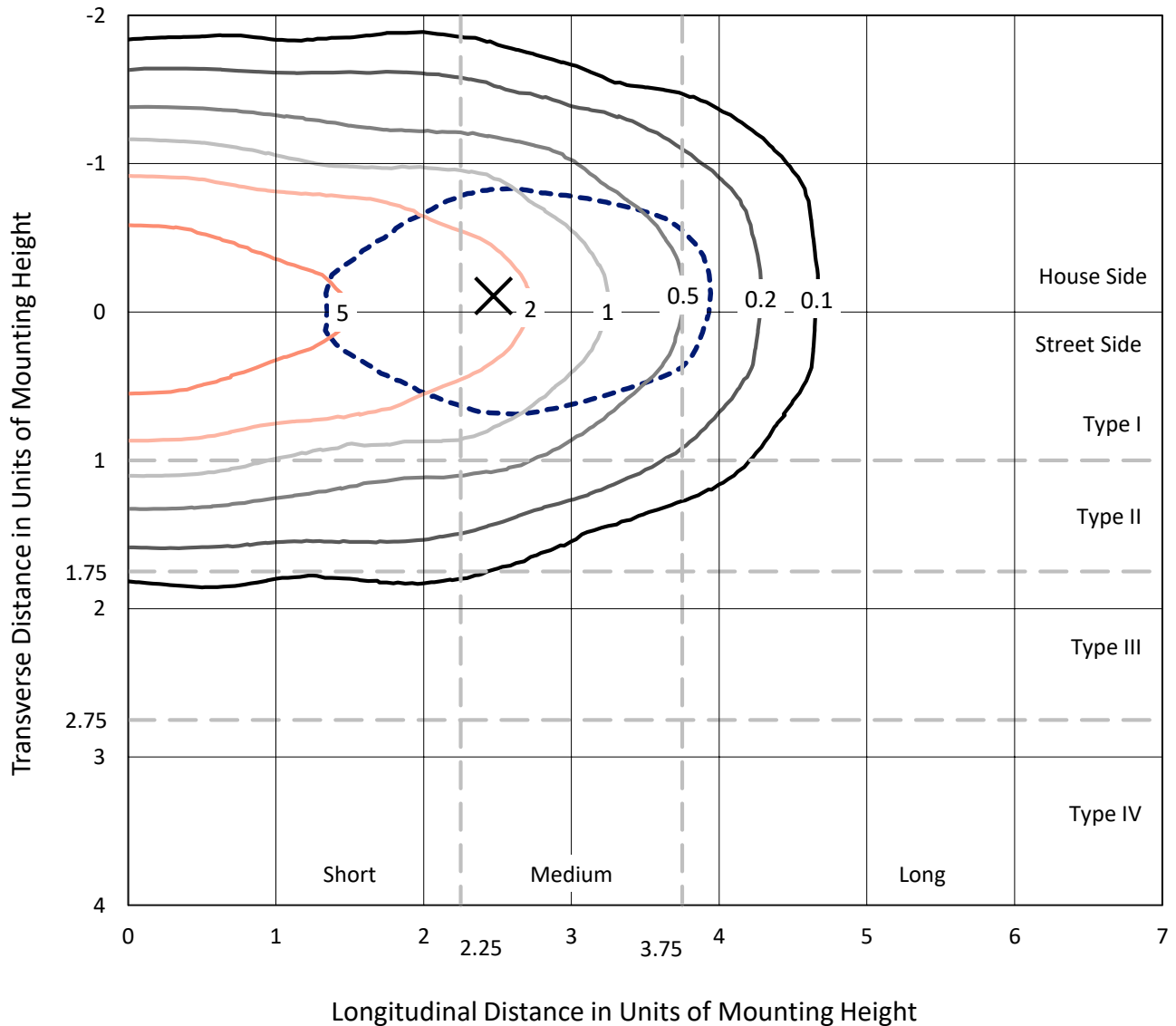


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Iso-Footcandle Lines of Horizontal Illumination

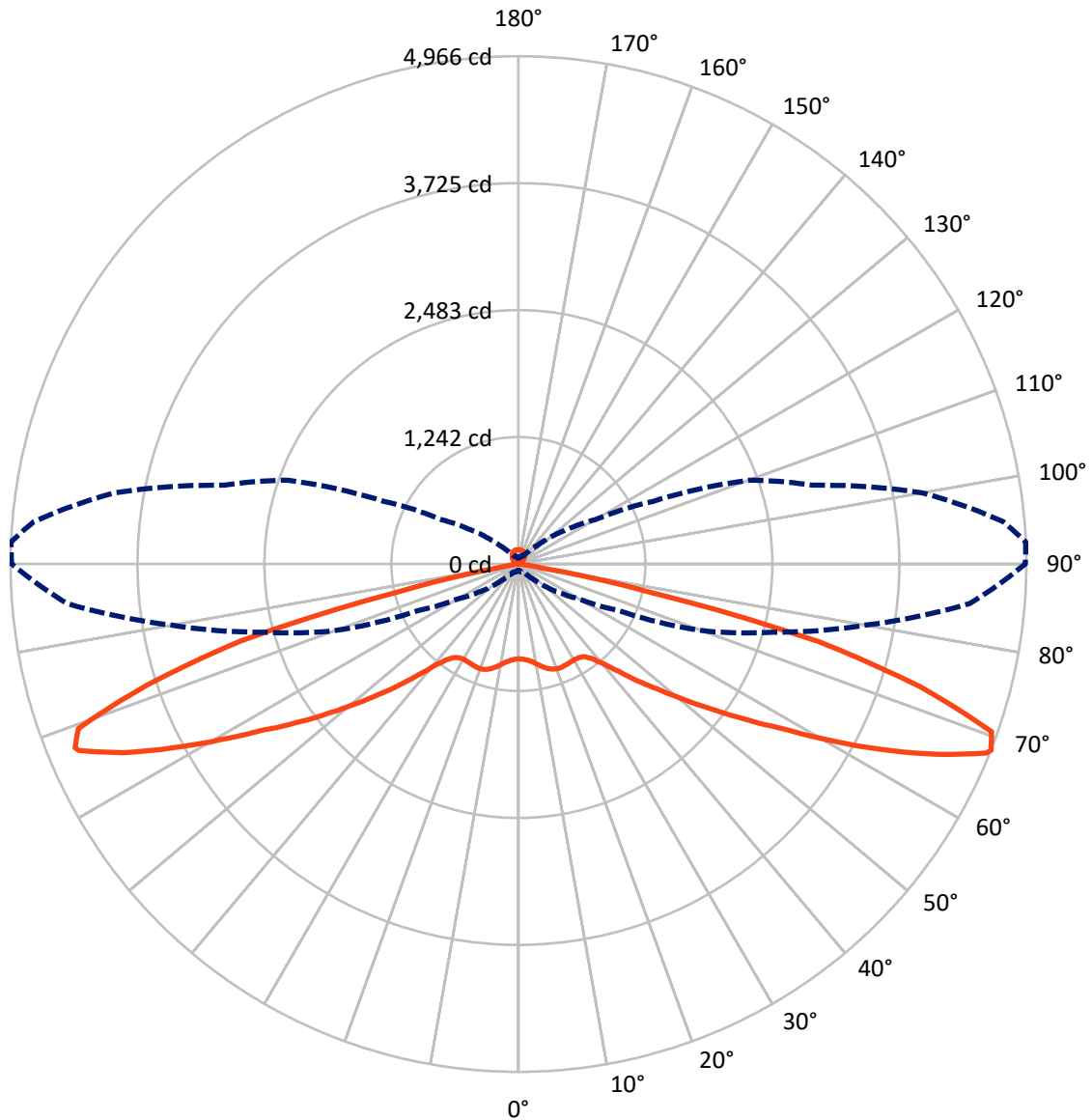
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type I - Short - Semi-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 92.5-Deg Lateral - - - Horizontal Cone Through 68-Deg Vertical

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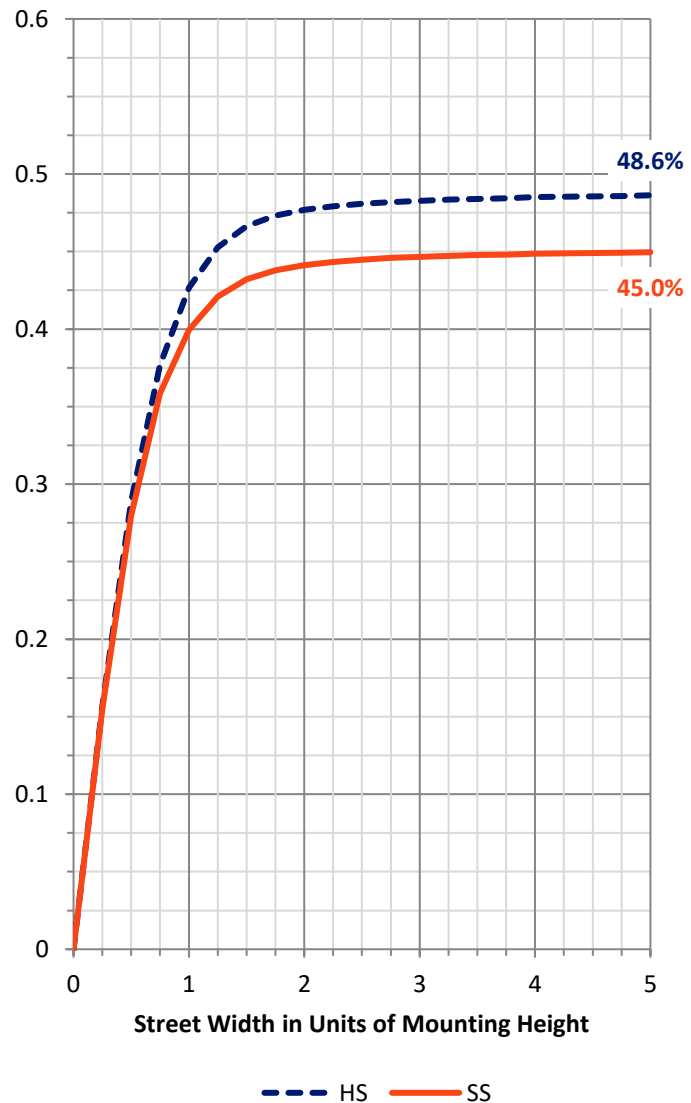
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 2464.6 | 157.7 | 2622.4 |
| | % Fixture | 49.0 | 3.1 | 52.1 |
| Street Side | Lumens | 2253.3 | 157.7 | 2411.0 |
| | % Fixture | 44.8 | 3.1 | 47.9 |
| Total | Lumens | 4717.9 | 315.5 | 5033.4 |
| | % Fixture | 93.7 | 6.3 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 91.2 | 1.8 |
| 10°-20° | 288.5 | 5.7 |
| 20°-30° | 467.9 | 9.3 |
| 30°-40° | 581.6 | 11.6 |
| 40°-50° | 723.1 | 14.4 |
| 50°-60° | 889.5 | 17.7 |
| 60°-70° | 1051.6 | 20.9 |
| 70°-80° | 588.9 | 11.7 |
| 80°-90° | 35.8 | 0.7 |
| 90°-100° | 1.3 | 0.0 |
| 100°-110° | 12.3 | 0.2 |
| 110°-120° | 25.2 | 0.5 |
| 120°-130° | 43.0 | 0.9 |
| 130°-140° | 60.0 | 1.2 |
| 140°-150° | 65.4 | 1.3 |
| 150°-160° | 56.9 | 1.1 |
| 160°-170° | 38.2 | 0.8 |
| 170°-180° | 13.3 | 0.3 |
| 0°-90° | 4717.9 | 93.7 |
| 0°-180° | 5033.4 | 100.0 |



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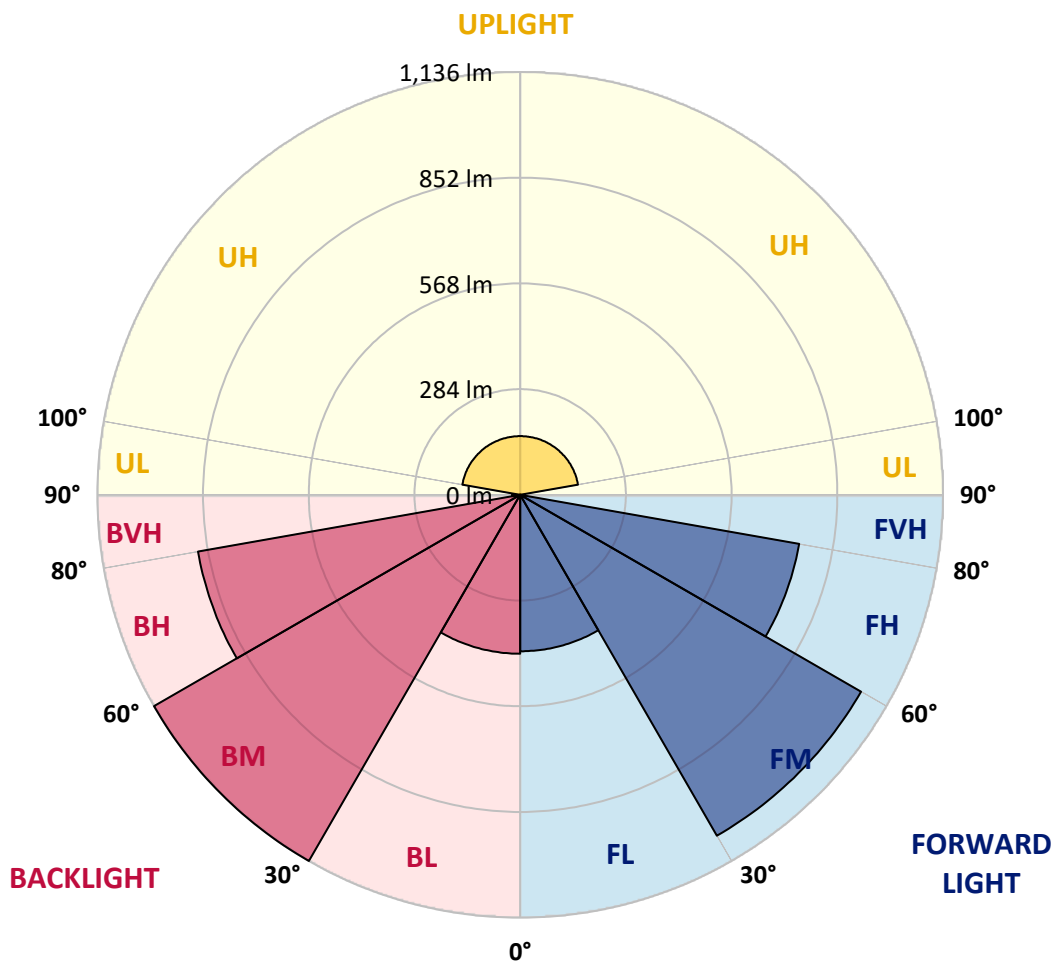
CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|--------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 420.4 | 8.4 | | | |
| FM | (30°-60°) | 1057.8 | 21.0 | | | |
| FH | (60°-80°) | 761.4 | 15.1 | | | G1/1800 |
| FVH | (80°-90°) | 13.6 | 0.3 | | | G1/100 |
| BL | (0°-30°) | 427.0 | 8.5 | B1/500 | | |
| BM | (30°-60°) | 1136.3 | 22.6 | B2/2500 | | |
| BH | (60°-80°) | 879.1 | 17.5 | B2/1000 | | G2/1000 |
| BVH | (80°-90°) | 22.2 | 0.4 | | | G1/100 |
| UL | (90°-100°) | 1.3 | 0.0 | | U1/10 | |
| UH | (100°-180°) | 157.7 | 3.1 | | U3/500 | |

BUG Rating: B2-U3-G2

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|--------|--------|--------|--------|--------|
| 0° | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 |
| 2.5° | 931.8 | 931.8 | 931.8 | 932.6 | 933.5 | 935.2 | 934.3 | 936.0 | 933.5 | 936.9 | 936.9 |
| 5° | 942.8 | 943.6 | 944.5 | 944.5 | 946.2 | 947.0 | 946.2 | 948.7 | 946.2 | 949.6 | 950.4 |
| 7.5° | 953.0 | 953.0 | 953.8 | 954.7 | 956.3 | 958.0 | 958.9 | 961.4 | 960.6 | 964.0 | 967.4 |
| 10° | 960.6 | 959.7 | 960.6 | 962.3 | 966.5 | 969.1 | 972.4 | 975.8 | 977.5 | 980.9 | 986.0 |
| 12.5° | 964.0 | 963.1 | 965.7 | 969.9 | 974.1 | 979.2 | 984.3 | 991.9 | 997.0 | 1002.1 | 1009.7 |
| 15° | 962.3 | 962.3 | 965.7 | 970.7 | 979.2 | 988.5 | 997.9 | 1008.0 | 1017.3 | 1028.3 | 1036.0 |
| 17.5° | 946.2 | 947.9 | 953.0 | 961.4 | 974.1 | 988.5 | 1003.8 | 1020.7 | 1036.0 | 1051.2 | 1061.4 |
| 20° | 917.4 | 919.1 | 928.4 | 938.6 | 955.5 | 976.7 | 1000.4 | 1025.0 | 1048.7 | 1069.0 | 1083.4 |
| 22.5° | 881.8 | 880.1 | 888.6 | 902.1 | 925.0 | 950.4 | 980.9 | 1017.3 | 1049.5 | 1078.3 | 1098.7 |
| 25° | 826.7 | 826.7 | 836.1 | 853.0 | 877.6 | 908.9 | 946.2 | 992.8 | 1036.0 | 1073.2 | 1102.0 |
| 27.5° | 768.3 | 769.1 | 781.0 | 795.4 | 823.4 | 853.0 | 896.2 | 950.4 | 1002.9 | 1052.1 | 1094.4 |
| 30° | 709.8 | 712.4 | 722.6 | 737.0 | 766.6 | 797.9 | 842.0 | 895.4 | 952.1 | 1013.1 | 1070.7 |
| 32.5° | 649.7 | 653.1 | 661.6 | 678.5 | 710.7 | 745.4 | 790.3 | 837.8 | 892.0 | 958.9 | 1033.4 |
| 35° | 593.0 | 595.5 | 602.3 | 622.6 | 655.6 | 692.9 | 742.9 | 788.6 | 843.7 | 905.5 | 987.7 |
| 37.5° | 539.6 | 542.1 | 549.8 | 570.9 | 604.0 | 641.2 | 690.4 | 742.0 | 798.8 | 859.8 | 941.1 |
| 40° | 482.0 | 487.9 | 498.1 | 518.4 | 548.9 | 591.3 | 641.2 | 695.4 | 755.6 | 825.1 | 908.1 |
| 42.5° | 429.5 | 434.5 | 443.9 | 461.7 | 492.2 | 537.0 | 589.6 | 645.5 | 710.7 | 789.5 | 883.5 |
| 45° | 381.2 | 385.4 | 394.7 | 410.8 | 443.0 | 478.6 | 526.0 | 584.5 | 652.2 | 742.9 | 857.2 |
| 47.5° | 334.6 | 338.8 | 349.0 | 368.5 | 394.7 | 429.5 | 471.8 | 523.5 | 586.2 | 678.5 | 807.3 |
| 50° | 288.0 | 292.2 | 302.4 | 321.9 | 347.3 | 381.2 | 420.1 | 466.7 | 528.6 | 608.2 | 734.4 |
| 52.5° | 237.2 | 241.4 | 251.6 | 271.1 | 295.6 | 327.8 | 367.6 | 415.9 | 473.5 | 548.9 | 653.1 |
| 55° | 182.1 | 188.1 | 197.4 | 213.5 | 239.7 | 271.9 | 311.7 | 364.2 | 422.7 | 496.4 | 593.0 |
| 57.5° | 131.3 | 135.5 | 146.5 | 159.3 | 181.3 | 215.2 | 250.7 | 304.9 | 370.2 | 445.6 | 541.3 |
| 60° | 95.7 | 100.0 | 107.6 | 117.7 | 133.0 | 157.6 | 188.9 | 239.7 | 311.7 | 396.4 | 494.7 |
| 62.5° | 79.6 | 83.0 | 90.6 | 100.8 | 109.3 | 121.1 | 139.8 | 178.7 | 249.0 | 343.1 | 446.4 |
| 65° | 70.3 | 72.8 | 79.6 | 89.8 | 96.6 | 101.6 | 109.3 | 135.5 | 193.1 | 285.5 | 399.0 |
| 67.5° | 62.7 | 65.2 | 70.3 | 78.8 | 86.4 | 88.9 | 93.2 | 111.0 | 151.6 | 232.1 | 349.0 |
| 68° | 61.8 | 64.4 | 68.6 | 76.2 | 83.9 | 86.4 | 90.6 | 108.4 | 147.4 | 221.1 | 335.4 |
| 70° | 57.6 | 59.3 | 63.5 | 69.5 | 75.4 | 77.1 | 82.2 | 100.0 | 138.1 | 193.1 | 271.9 |
| 72.5° | 52.5 | 53.4 | 55.9 | 61.0 | 66.9 | 67.8 | 72.8 | 87.2 | 108.4 | 142.3 | 202.5 |
| 75° | 44.0 | 44.9 | 48.3 | 52.5 | 55.9 | 57.6 | 59.3 | 66.1 | 73.7 | 88.1 | 119.4 |
| 77.5° | 33.9 | 35.6 | 38.1 | 40.7 | 45.7 | 47.4 | 45.7 | 50.8 | 54.2 | 60.1 | 72.8 |
| 80° | 20.3 | 20.3 | 22.9 | 25.4 | 28.0 | 32.2 | 30.5 | 35.6 | 38.1 | 41.5 | 49.1 |
| 82.5° | 3.4 | 4.2 | 4.2 | 5.9 | 7.6 | 9.3 | 10.2 | 12.7 | 16.1 | 19.5 | 26.3 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 0.8 | 2.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |



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CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 0° | 5° | 10° | 15° | 20° | 25° | 30° | 35° | 40° | 45° | 50° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



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CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 92.5° | 95° | 100° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 |
| 2.5° | 931.8 | 934.3 | 934.3 | 933.5 | 933.5 | 933.5 | 930.9 | 931.8 | 932.6 | 935.2 | 931.8 |
| 5° | 945.3 | 947.9 | 947.0 | 946.2 | 946.2 | 946.2 | 942.8 | 943.6 | 944.5 | 946.2 | 942.8 |
| 7.5° | 963.1 | 965.7 | 966.5 | 966.5 | 966.5 | 968.2 | 963.1 | 963.1 | 964.8 | 966.5 | 961.4 |
| 10° | 989.4 | 989.4 | 991.9 | 993.6 | 995.3 | 997.0 | 993.6 | 991.9 | 995.3 | 995.3 | 989.4 |
| 12.5° | 1013.9 | 1015.6 | 1019.9 | 1023.3 | 1024.1 | 1027.5 | 1027.5 | 1026.7 | 1029.2 | 1028.3 | 1021.6 |
| 15° | 1041.9 | 1043.6 | 1047.0 | 1051.2 | 1052.1 | 1055.5 | 1055.5 | 1056.3 | 1058.8 | 1060.5 | 1050.4 |
| 17.5° | 1068.2 | 1070.7 | 1070.7 | 1071.6 | 1073.2 | 1075.8 | 1077.5 | 1078.3 | 1080.9 | 1082.6 | 1072.4 |
| 20° | 1090.2 | 1092.7 | 1088.5 | 1085.1 | 1081.7 | 1083.4 | 1086.8 | 1090.2 | 1091.9 | 1092.7 | 1080.0 |
| 22.5° | 1107.1 | 1108.0 | 1101.2 | 1091.9 | 1082.6 | 1081.7 | 1086.0 | 1091.9 | 1093.6 | 1092.7 | 1074.9 |
| 25° | 1116.4 | 1119.0 | 1112.2 | 1097.8 | 1080.9 | 1074.9 | 1079.2 | 1086.8 | 1090.2 | 1086.8 | 1065.6 |
| 27.5° | 1116.4 | 1125.8 | 1122.4 | 1107.1 | 1084.3 | 1068.2 | 1070.7 | 1082.6 | 1085.1 | 1080.9 | 1056.3 |
| 30° | 1108.0 | 1127.5 | 1131.7 | 1122.4 | 1098.7 | 1070.7 | 1067.3 | 1080.9 | 1084.3 | 1076.6 | 1052.1 |
| 32.5° | 1091.0 | 1126.6 | 1143.6 | 1144.4 | 1125.8 | 1091.0 | 1074.1 | 1087.6 | 1090.2 | 1080.9 | 1060.5 |
| 35° | 1067.3 | 1125.8 | 1158.8 | 1174.9 | 1169.0 | 1134.2 | 1104.6 | 1113.1 | 1111.4 | 1101.2 | 1093.6 |
| 37.5° | 1041.1 | 1125.8 | 1180.8 | 1218.1 | 1231.6 | 1213.9 | 1174.9 | 1170.7 | 1174.9 | 1159.6 | 1155.4 |
| 40° | 1012.3 | 1128.3 | 1212.2 | 1278.2 | 1318.9 | 1324.8 | 1290.1 | 1278.2 | 1283.3 | 1268.9 | 1274.8 |
| 42.5° | 995.3 | 1131.7 | 1253.7 | 1348.5 | 1427.3 | 1487.5 | 1472.2 | 1436.6 | 1434.1 | 1435.8 | 1448.5 |
| 45° | 986.8 | 1140.2 | 1295.2 | 1428.2 | 1538.3 | 1672.1 | 1686.5 | 1623.0 | 1626.4 | 1635.7 | 1655.2 |
| 47.5° | 977.5 | 1156.3 | 1343.5 | 1511.2 | 1659.4 | 1847.5 | 1917.8 | 1832.2 | 1825.4 | 1860.2 | 1866.1 |
| 50° | 943.6 | 1175.7 | 1398.5 | 1604.4 | 1786.5 | 2044.8 | 2155.8 | 2068.6 | 2070.3 | 2102.4 | 2090.6 |
| 52.5° | 865.7 | 1176.6 | 1457.0 | 1697.5 | 1913.5 | 2239.7 | 2408.2 | 2350.6 | 2346.4 | 2377.7 | 2315.1 |
| 55° | 758.1 | 1123.2 | 1504.4 | 1789.0 | 2033.8 | 2420.9 | 2669.1 | 2681.8 | 2673.4 | 2678.5 | 2542.9 |
| 57.5° | 671.7 | 991.9 | 1509.5 | 1866.1 | 2135.5 | 2592.9 | 2936.8 | 3028.3 | 3029.1 | 3007.1 | 2766.5 |
| 60° | 615.8 | 844.5 | 1443.4 | 1929.6 | 2254.1 | 2812.3 | 3285.8 | 3490.8 | 3502.7 | 3412.9 | 3065.6 |
| 62.5° | 569.2 | 770.0 | 1307.0 | 1994.9 | 2390.4 | 3034.2 | 3661.9 | 3999.0 | 3999.9 | 3850.0 | 3395.1 |
| 65° | 532.8 | 729.3 | 1157.1 | 1970.3 | 2495.5 | 3249.4 | 4060.0 | 4510.7 | 4488.7 | 4323.5 | 3707.6 |
| 67.5° | 492.2 | 692.9 | 1087.6 | 1932.2 | 2585.3 | 3448.4 | 4410.7 | 4928.3 | 4934.2 | 4730.9 | 3997.3 |
| 68° | 483.7 | 679.4 | 1069.9 | 1900.0 | 2575.1 | 3441.7 | 4429.4 | 4956.2 | 4966.4 | 4757.2 | 4010.1 |
| 70° | 416.8 | 593.0 | 930.9 | 1659.4 | 2392.1 | 3257.9 | 4310.8 | 4877.5 | 4908.8 | 4675.0 | 3868.6 |
| 72.5° | 277.8 | 410.0 | 621.8 | 1172.4 | 1843.2 | 2588.7 | 3528.9 | 4085.4 | 4111.7 | 3954.1 | 3213.0 |
| 75° | 176.2 | 249.0 | 330.4 | 676.0 | 1238.4 | 1857.6 | 2660.7 | 2985.1 | 3028.3 | 2976.6 | 2405.7 |
| 77.5° | 106.7 | 174.5 | 203.3 | 327.8 | 652.2 | 869.1 | 1202.0 | 1223.2 | 1272.3 | 1241.8 | 1246.9 |
| 80° | 70.3 | 121.1 | 148.2 | 222.8 | 226.2 | 187.2 | 212.6 | 214.3 | 227.0 | 241.4 | 251.6 |
| 82.5° | 39.8 | 73.7 | 103.3 | 152.5 | 134.7 | 69.5 | 59.3 | 61.8 | 63.5 | 65.2 | 77.1 |
| 85° | 5.9 | 13.6 | 28.8 | 47.4 | 48.3 | 22.9 | 21.2 | 19.5 | 20.3 | 22.0 | 28.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.8 | 1.7 | 2.5 | 2.5 | 2.5 | 5.1 | 5.1 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |



REPORT NUMBER: P160074

CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 55° | 60° | 65° | 70° | 75° | 80° | 85° | 90° | 92.5° | 95° | 100° |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 |
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 |



REPORT NUMBER: P160074

CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

CANDELA DISTRIBUTION (continued):

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 | 927.5 |
| 2.5° | 930.9 | 930.1 | 930.9 | 928.4 | 930.9 | 930.1 | 930.1 | 930.1 | 929.2 | 930.1 | 930.1 |
| 5° | 941.1 | 941.1 | 941.1 | 939.4 | 941.1 | 941.1 | 941.1 | 941.1 | 940.3 | 941.1 | 941.9 |
| 7.5° | 960.6 | 960.6 | 959.7 | 957.2 | 958.9 | 958.9 | 958.0 | 956.3 | 954.7 | 955.5 | 954.7 |
| 10° | 986.8 | 988.5 | 983.5 | 983.5 | 980.9 | 977.5 | 975.0 | 972.4 | 971.6 | 969.9 | 966.5 |
| 12.5° | 1019.0 | 1018.2 | 1011.4 | 1008.9 | 1007.2 | 1000.4 | 995.3 | 992.8 | 989.4 | 985.1 | 980.1 |
| 15° | 1047.8 | 1044.4 | 1039.4 | 1036.8 | 1034.3 | 1026.7 | 1019.9 | 1013.9 | 1009.7 | 1003.8 | 996.2 |
| 17.5° | 1067.3 | 1063.9 | 1061.4 | 1060.5 | 1060.5 | 1053.8 | 1047.8 | 1040.2 | 1030.9 | 1019.9 | 1007.2 |
| 20° | 1071.6 | 1071.6 | 1072.4 | 1077.5 | 1082.6 | 1080.0 | 1073.2 | 1063.9 | 1050.4 | 1032.6 | 1013.1 |
| 22.5° | 1065.6 | 1069.0 | 1076.6 | 1089.3 | 1100.4 | 1101.2 | 1094.4 | 1080.9 | 1058.0 | 1032.6 | 1003.8 |
| 25° | 1055.5 | 1064.8 | 1080.9 | 1098.7 | 1113.9 | 1113.9 | 1102.0 | 1082.6 | 1051.2 | 1014.8 | 976.7 |
| 27.5° | 1050.4 | 1069.0 | 1091.9 | 1110.5 | 1120.7 | 1114.8 | 1093.6 | 1065.6 | 1022.4 | 975.8 | 931.8 |
| 30° | 1056.3 | 1085.1 | 1109.7 | 1122.4 | 1124.1 | 1104.6 | 1068.2 | 1026.7 | 975.8 | 919.9 | 875.0 |
| 32.5° | 1078.3 | 1113.1 | 1131.7 | 1134.2 | 1122.4 | 1086.0 | 1029.2 | 971.6 | 914.8 | 863.2 | 817.4 |
| 35° | 1123.2 | 1152.9 | 1159.6 | 1149.5 | 1119.8 | 1058.8 | 977.5 | 909.8 | 858.9 | 809.8 | 762.4 |
| 37.5° | 1196.1 | 1209.6 | 1196.9 | 1167.3 | 1111.4 | 1025.8 | 930.1 | 864.0 | 809.8 | 761.5 | 709.0 |
| 40° | 1299.4 | 1284.2 | 1247.7 | 1189.3 | 1102.0 | 989.4 | 892.8 | 826.7 | 766.6 | 713.2 | 660.7 |
| 42.5° | 1428.2 | 1374.8 | 1299.4 | 1214.7 | 1091.9 | 965.7 | 865.7 | 789.5 | 723.4 | 664.1 | 609.0 |
| 45° | 1572.2 | 1473.1 | 1370.6 | 1243.5 | 1088.5 | 951.3 | 833.5 | 743.7 | 666.6 | 607.4 | 553.1 |
| 47.5° | 1718.7 | 1577.3 | 1442.6 | 1274.8 | 1092.7 | 925.9 | 784.4 | 683.6 | 603.1 | 545.5 | 494.7 |
| 50° | 1867.0 | 1694.2 | 1526.4 | 1315.5 | 1090.2 | 874.2 | 717.5 | 615.0 | 540.4 | 488.8 | 443.0 |
| 52.5° | 2016.0 | 1818.7 | 1612.8 | 1351.9 | 1056.3 | 792.9 | 643.8 | 556.5 | 484.5 | 434.5 | 389.7 |
| 55° | 2162.6 | 1939.8 | 1697.5 | 1362.9 | 958.0 | 707.3 | 581.9 | 498.1 | 426.9 | 376.1 | 327.0 |
| 57.5° | 2301.5 | 2049.1 | 1756.8 | 1298.6 | 836.9 | 640.4 | 526.9 | 444.7 | 369.3 | 310.9 | 262.6 |
| 60° | 2474.3 | 2153.3 | 1773.8 | 1142.7 | 740.3 | 584.5 | 476.9 | 382.9 | 298.2 | 236.3 | 192.3 |
| 62.5° | 2663.2 | 2294.7 | 1747.5 | 993.6 | 683.6 | 535.4 | 415.1 | 310.0 | 227.9 | 167.7 | 134.7 |
| 65° | 2802.1 | 2353.2 | 1614.5 | 914.0 | 648.0 | 487.1 | 349.0 | 240.6 | 157.6 | 115.2 | 102.5 |
| 67.5° | 2986.8 | 2410.8 | 1477.3 | 875.0 | 609.0 | 424.4 | 269.4 | 173.7 | 122.0 | 95.7 | 88.1 |
| 68° | 2974.1 | 2394.7 | 1448.5 | 864.9 | 597.2 | 402.4 | 254.1 | 170.3 | 118.6 | 93.2 | 85.6 |
| 70° | 2802.1 | 2197.3 | 1257.9 | 766.6 | 494.7 | 313.4 | 218.5 | 155.0 | 109.3 | 84.7 | 77.9 |
| 72.5° | 2299.0 | 1704.3 | 902.1 | 504.9 | 321.9 | 229.6 | 161.8 | 116.9 | 90.6 | 74.5 | 69.5 |
| 75° | 1627.2 | 1065.6 | 452.3 | 290.5 | 202.5 | 133.0 | 91.5 | 75.4 | 66.9 | 59.3 | 59.3 |
| 77.5° | 914.8 | 557.4 | 238.9 | 199.1 | 114.4 | 77.1 | 61.0 | 56.8 | 52.5 | 48.3 | 53.4 |
| 80° | 298.2 | 290.5 | 176.2 | 136.4 | 79.6 | 56.8 | 47.4 | 44.9 | 42.4 | 38.1 | 47.4 |
| 82.5° | 160.9 | 199.1 | 127.1 | 97.4 | 58.4 | 40.7 | 35.6 | 36.4 | 33.0 | 29.6 | 35.6 |
| 85° | 72.0 | 94.9 | 84.7 | 67.8 | 36.4 | 22.9 | 18.6 | 22.0 | 19.5 | 17.8 | 16.9 |
| 87.5° | 28.0 | 46.6 | 33.9 | 19.5 | 8.5 | 5.1 | 5.1 | 4.2 | 3.4 | 3.4 | 2.5 |
| 90° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 92.5° | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 95° | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 97.5° | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 100° | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 102.5° | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 105° | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 107.5° | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |



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 CATALOG NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

REPORT N
 CATALOG

CANDELA DISTRIBUTION (continued):

CANDELA

| | 105° | 110° | 115° | 120° | 125° | 130° | 135° | 140° | 145° | 150° | 155° | |
|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|
| 110° | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 17.8 | 0° |
| 112.5° | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 21.2 | 2.5° |
| 115° | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 25.0 | 5° |
| 117.5° | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 29.5 | 7.5° |
| 120° | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 34.8 | 10° |
| 122.5° | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 40.9 | 12.5° |
| 125° | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 47.8 | 15° |
| 127.5° | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 55.3 | 17.5° |
| 130° | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 63.0 | 20° |
| 132.5° | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 70.5 | 22.5° |
| 135° | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 77.9 | 25° |
| 137.5° | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 85.3 | 27.5° |
| 140° | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 92.5 | 30° |
| 142.5° | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 99.2 | 32.5° |
| 145° | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 104.9 | 35° |
| 147.5° | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 110.1 | 37.5° |
| 150° | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 115.1 | 40° |
| 152.5° | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 119.7 | 42.5° |
| 155° | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 123.7 | 45° |
| 157.5° | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 127.0 | 47.5° |
| 160° | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 130.3 | 50° |
| 162.5° | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 133.5 | 52.5° |
| 165° | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 136.0 | 55° |
| 167.5° | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 137.1 | 57.5° |
| 170° | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 137.4 | 60° |
| 172.5° | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 138.6 | 62.5° |
| 175° | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 140.5 | 65° |
| 177.5° | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 141.1 | 67.5° |
| 180° | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 140.8 | 68° |
| | | | | | | | | | | | | 70° |
| | | | | | | | | | | | | 72.5° |
| | | | | | | | | | | | | 75° |
| | | | | | | | | | | | | 77.5° |
| | | | | | | | | | | | | 80° |
| | | | | | | | | | | | | 82.5° |
| | | | | | | | | | | | | 85° |
| | | | | | | | | | | | | 87.5° |
| | | | | | | | | | | | | 90° |
| | | | | | | | | | | | | 92.5° |
| | | | | | | | | | | | | 95° |
| | | | | | | | | | | | | 97.5° |
| | | | | | | | | | | | | 100° |
| | | | | | | | | | | | | 102.5° |
| | | | | | | | | | | | | 105° |
| | | | | | | | | | | | | 107.5° |

NUMBER: P160074
 NUMBER: ENT-F02-LED-E1-GZW-7050-ULG

REPORT NUMBER: P
 CATALOG NUMBER:

DISTRIBUTION (continued):

| 160° | 165° | 170° | 175° | 180° |
|--------|-------|-------|-------|-------|
| 927.5 | 927.5 | 927.5 | 927.5 | 927.5 |
| 927.5 | 927.5 | 926.7 | 925.9 | 924.2 |
| 939.4 | 939.4 | 938.6 | 937.7 | 936.0 |
| 952.1 | 951.3 | 950.4 | 949.6 | 947.9 |
| 965.7 | 964.0 | 964.0 | 964.8 | 964.0 |
| 979.2 | 976.7 | 974.1 | 973.3 | 975.8 |
| 992.8 | 987.7 | 983.5 | 982.6 | 982.6 |
| 1000.4 | 991.9 | 984.3 | 981.8 | 981.8 |
| 998.7 | 983.5 | 973.3 | 968.2 | 969.1 |
| 982.6 | 961.4 | 947.9 | 941.1 | 938.6 |
| 948.7 | 923.3 | 906.4 | 897.1 | 897.9 |
| 897.9 | 870.8 | 852.2 | 847.1 | 842.0 |
| 837.8 | 810.7 | 792.0 | 781.0 | 781.9 |
| 778.5 | 748.8 | 731.9 | 719.2 | 717.5 |
| 721.7 | 689.5 | 669.2 | 659.9 | 658.2 |
| 665.8 | 631.9 | 613.3 | 604.8 | 598.9 |
| 614.1 | 583.6 | 561.6 | 548.9 | 546.4 |
| 563.3 | 528.6 | 506.6 | 497.2 | 494.7 |
| 505.7 | 472.7 | 453.2 | 445.6 | 443.9 |
| 454.0 | 422.7 | 406.6 | 396.4 | 393.0 |
| 404.1 | 374.4 | 355.8 | 346.5 | 344.8 |
| 351.5 | 321.9 | 302.4 | 294.8 | 288.0 |
| 293.9 | 262.6 | 243.1 | 229.6 | 224.5 |
| 227.0 | 199.1 | 178.7 | 169.4 | 160.1 |
| 162.6 | 138.1 | 122.0 | 114.4 | 107.6 |
| 115.2 | 99.1 | 88.9 | 81.3 | 77.1 |
| 94.9 | 87.2 | 76.2 | 69.5 | 66.1 |
| 83.9 | 76.2 | 67.8 | 61.8 | 59.3 |
| 82.2 | 74.5 | 66.1 | 60.1 | 58.4 |
| 75.4 | 67.8 | 60.1 | 55.9 | 54.2 |
| 66.9 | 61.0 | 54.2 | 50.0 | 48.3 |
| 57.6 | 51.7 | 47.4 | 44.0 | 41.5 |
| 50.8 | 42.4 | 40.7 | 37.3 | 35.6 |
| 42.4 | 38.1 | 34.7 | 32.2 | 30.5 |
| 34.7 | 28.8 | 24.6 | 22.0 | 21.2 |
| 19.5 | 17.8 | 14.4 | 11.0 | 10.2 |
| 1.7 | 0.8 | 0.8 | 0.0 | 0.0 |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| 1.5 | 1.5 | 1.5 | 1.5 | 1.5 |
| 5.0 | 5.0 | 5.0 | 5.0 | 5.0 |
| 8.8 | 8.8 | 8.8 | 8.8 | 8.8 |
| 11.8 | 11.8 | 11.8 | 11.8 | 11.8 |
| 14.7 | 14.7 | 14.7 | 14.7 | 14.7 |

CANDELA DISTRIBUTION:

| | 160° |
|--------|-------|
| 110° | 17.8 |
| 112.5° | 21.2 |
| 115° | 25.0 |
| 117.5° | 29.5 |
| 120° | 34.8 |
| 122.5° | 40.9 |
| 125° | 47.8 |
| 127.5° | 55.3 |
| 130° | 63.0 |
| 132.5° | 70.5 |
| 135° | 77.9 |
| 137.5° | 85.3 |
| 140° | 92.5 |
| 142.5° | 99.2 |
| 145° | 104.9 |
| 147.5° | 110.1 |
| 150° | 115.1 |
| 152.5° | 119.7 |
| 155° | 123.7 |
| 157.5° | 127.0 |
| 160° | 130.3 |
| 162.5° | 133.5 |
| 165° | 136.0 |
| 167.5° | 137.1 |
| 170° | 137.4 |
| 172.5° | 138.6 |
| 175° | 140.5 |
| 177.5° | 141.1 |
| 180° | 140.8 |

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ENT-F02-LED-E1-GZW-7050-ULG

TION (continued):

| 165° | 170° | 175° | 180° |
|-------|-------|-------|-------|
| 17.8 | 17.8 | 17.8 | 17.8 |
| 21.2 | 21.2 | 21.2 | 21.2 |
| 25.0 | 25.0 | 25.0 | 25.0 |
| 29.5 | 29.5 | 29.5 | 29.5 |
| 34.8 | 34.8 | 34.8 | 34.8 |
| 40.9 | 40.9 | 40.9 | 40.9 |
| 47.8 | 47.8 | 47.8 | 47.8 |
| 55.3 | 55.3 | 55.3 | 55.3 |
| 63.0 | 63.0 | 63.0 | 63.0 |
| 70.5 | 70.5 | 70.5 | 70.5 |
| 77.9 | 77.9 | 77.9 | 77.9 |
| 85.3 | 85.3 | 85.3 | 85.3 |
| 92.5 | 92.5 | 92.5 | 92.5 |
| 99.2 | 99.2 | 99.2 | 99.2 |
| 104.9 | 104.9 | 104.9 | 104.9 |
| 110.1 | 110.1 | 110.1 | 110.1 |
| 115.1 | 115.1 | 115.1 | 115.1 |
| 119.7 | 119.7 | 119.7 | 119.7 |
| 123.7 | 123.7 | 123.7 | 123.7 |
| 127.0 | 127.0 | 127.0 | 127.0 |
| 130.3 | 130.3 | 130.3 | 130.3 |
| 133.5 | 133.5 | 133.5 | 133.5 |
| 136.0 | 136.0 | 136.0 | 136.0 |
| 137.1 | 137.1 | 137.1 | 137.1 |
| 137.4 | 137.4 | 137.4 | 137.4 |
| 138.6 | 138.6 | 138.6 | 138.6 |
| 140.5 | 140.5 | 140.5 | 140.5 |
| 141.1 | 141.1 | 141.1 | 141.1 |
| 140.8 | 140.8 | 140.8 | 140.8 |

(END OF REPORT)