

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: LUMARK

Report Number: P195275

Luminaire Tested: **NAV-AF-05-D-UNV-SLR-7060-800**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P195275
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P24264)
Test Lab: INNOVATION CENTER P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: NAV-AF-05-D-UNV-SLR-7060-800
Description: NAVION ROADWAY AND AREA LUMINAIRE
(5) 70 CRI, 5700K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND SPILL LIGHT
ELIMINATOR RIGHT OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21457 lumens
Efficiency: N/A
Efficacy: 102.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1.5' x H: 0')
IES Classification: Type IV - Short - Non-Cutoff
BUG Rating: B3 - U0 - G4

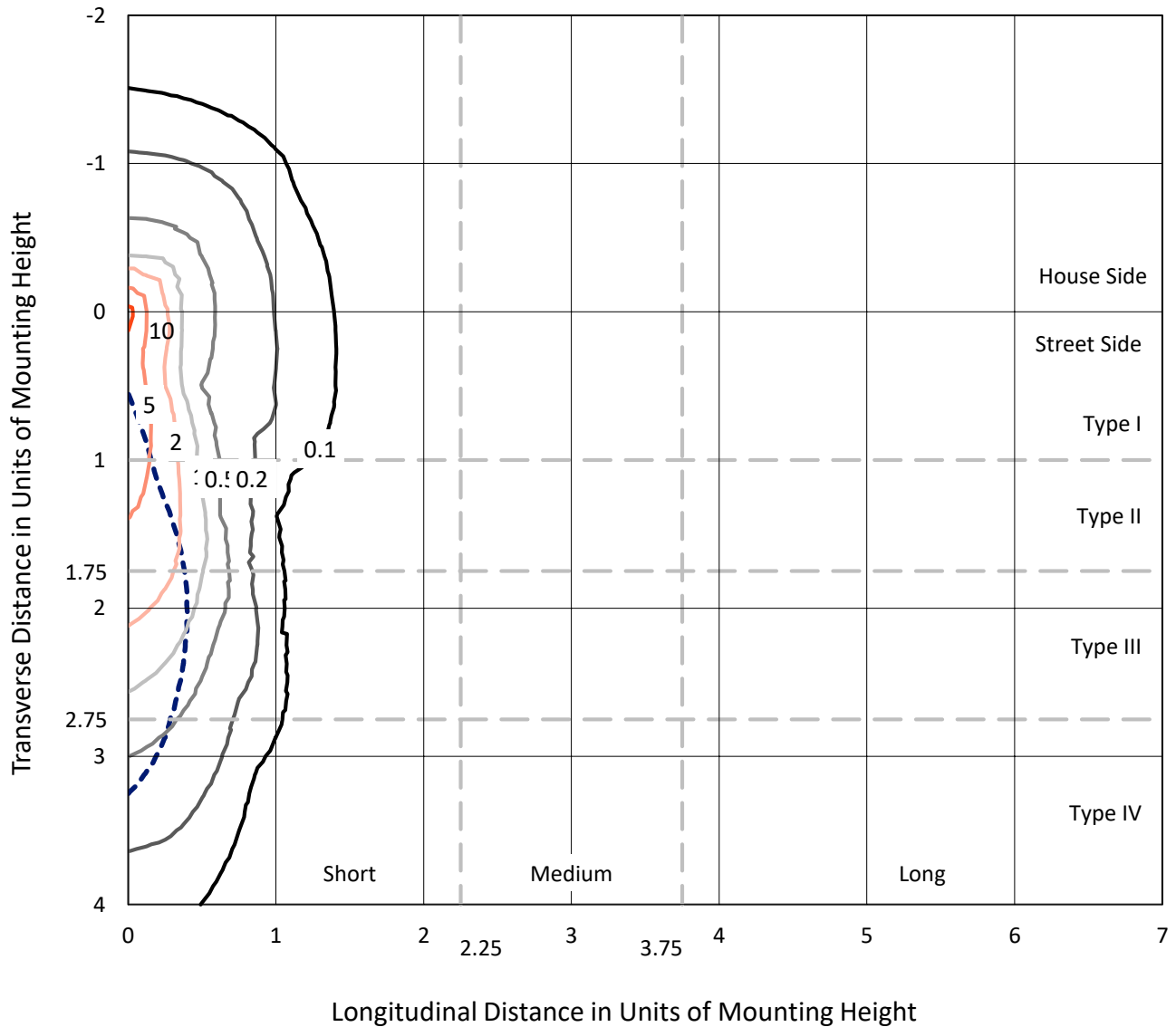
Input Watts (W): 210
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



REPORT NUMBER: P195275
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Iso-Footcandle Lines of Horizontal Illumination

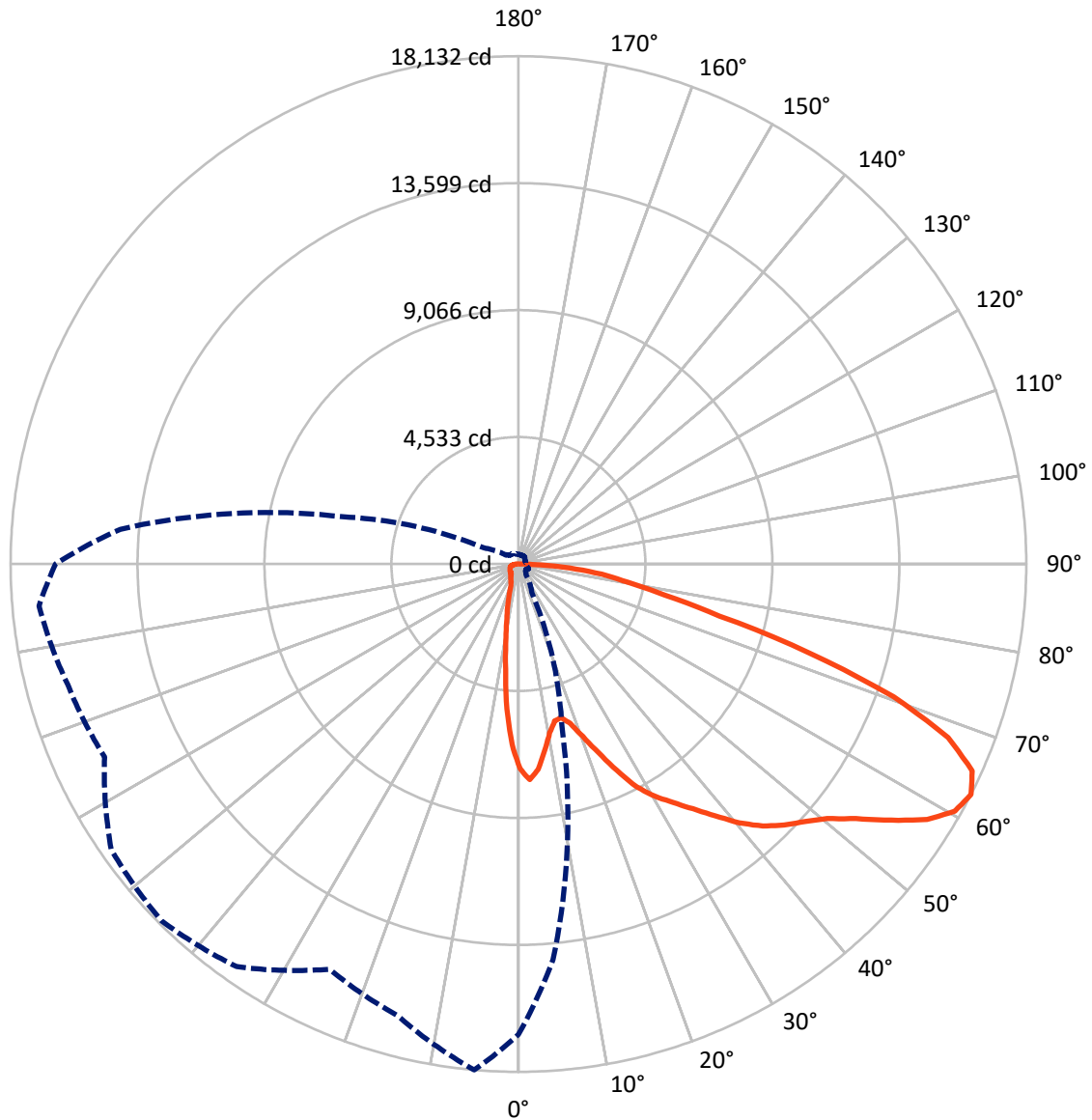
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - Non-Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 355-Deg Lateral - - - Horizontal Cone Through 62.5-Deg Vertical

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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 3801.1 | 0.0 | 3801.1 |
| | % Fixture | 17.7 | 0.0 | 17.7 |
| Street Side | Lumens | 17655.9 | 0.0 | 17655.9 |
| | % Fixture | 82.3 | 0.0 | 82.3 |
| Total | Lumens | 21457.0 | 0.0 | 21457.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 532.0 | 2.5 |
| 10°-20° | 971.7 | 4.5 |
| 20°-30° | 1397.5 | 6.5 |
| 30°-40° | 2140.5 | 10.0 |
| 40°-50° | 3129.4 | 14.6 |
| 50°-60° | 4553.3 | 21.2 |
| 60°-70° | 5275.6 | 24.6 |
| 70°-80° | 2750.1 | 12.8 |
| 80°-90° | 706.9 | 3.3 |
| 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° | 21457.0 | 100.0 |
| 0°-180° | 21457.0 | 100.0 |



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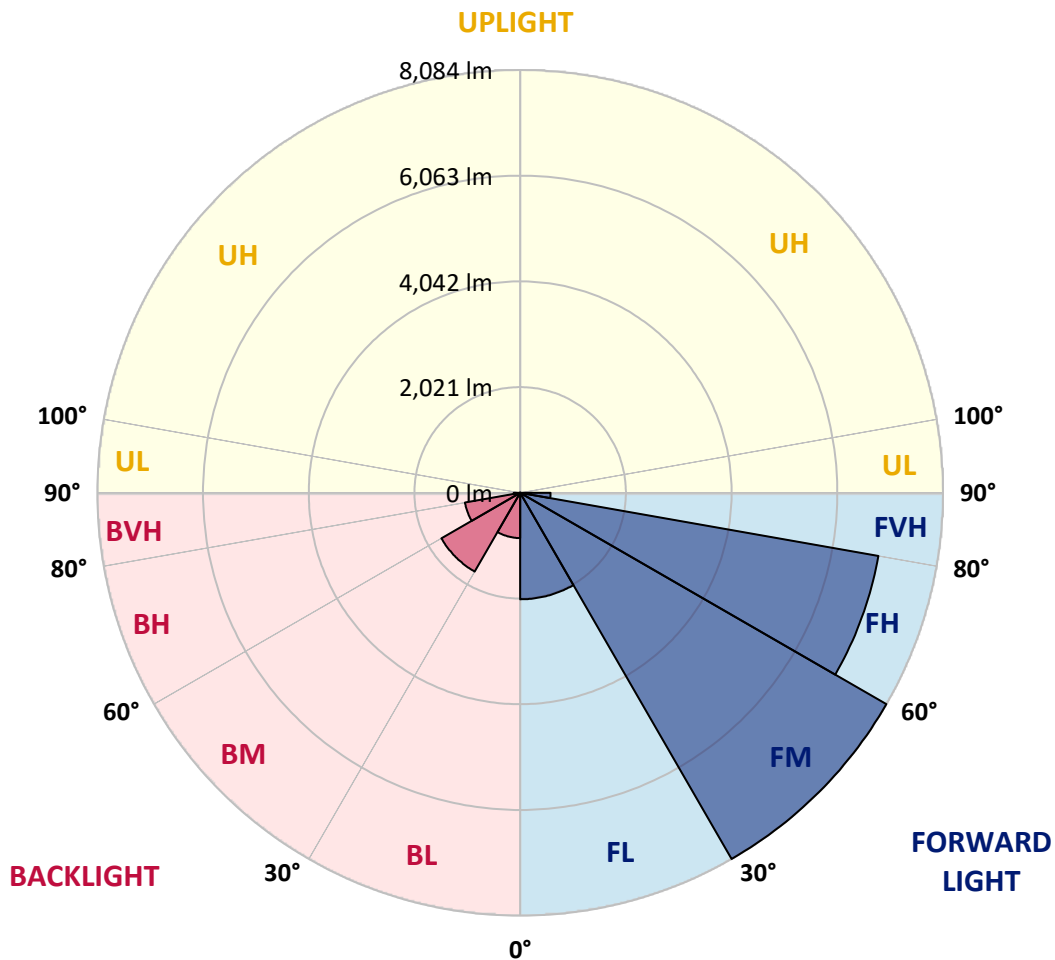
CATALOG NUMBER: NAV-AF-05-D-UNV-SLR-7060-800

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|---------|
| | | | | B | U | G |
| FL | (0°-30°) | 2036.4 | 9.5 | | | |
| FM | (30°-60°) | 8084.0 | 37.7 | | | |
| FH | (60°-80°) | 6953.9 | 32.4 | | | G3/7500 |
| FVH | (80°-90°) | 581.6 | 2.7 | | | G4/750 |
| BL | (0°-30°) | 864.8 | 4.0 | B2/1000 | | |
| BM | (30°-60°) | 1739.2 | 8.1 | B2/2500 | | |
| BH | (60°-80°) | 1071.8 | 5.0 | B3/2500 | | G3/2500 |
| BVH | (80°-90°) | 125.4 | 0.6 | | | G2/225 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G4

Type IV Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 |
| 2.5° | 7551.6 | 7445.8 | 7201.5 | 6986.9 | 6719.3 | 6518.6 | 6274.3 | 6145.2 | 6050.3 | 5986.5 | 5935.2 |
| 5° | 7053.8 | 6798.6 | 6331.9 | 5922.7 | 5480.9 | 5162.0 | 4788.6 | 4584.8 | 4458.8 | 4390.3 | 4359.2 |
| 7.5° | 6314.8 | 5977.2 | 5373.5 | 4824.4 | 4272.1 | 3873.8 | 3590.7 | 3288.8 | 3128.6 | 3024.4 | 2990.1 |
| 10° | 5669.1 | 5288.0 | 4567.7 | 3950.0 | 3523.8 | 3240.6 | 2997.9 | 2721.0 | 2515.6 | 2336.7 | 2269.8 |
| 12.5° | 5294.2 | 4850.8 | 4029.4 | 3470.9 | 3113.0 | 2809.7 | 2553.0 | 2254.3 | 2038.0 | 1851.3 | 1779.8 |
| 15° | 5214.9 | 4720.1 | 3803.8 | 3165.9 | 2727.2 | 2361.6 | 2053.6 | 1728.4 | 1516.9 | 1362.8 | 1313.0 |
| 17.5° | 5454.4 | 4844.6 | 3708.9 | 2887.5 | 2358.5 | 1912.0 | 1532.4 | 1183.9 | 1008.1 | 924.1 | 903.9 |
| 20° | 5947.6 | 5118.4 | 3663.8 | 2637.0 | 2000.7 | 1471.7 | 1059.5 | 804.3 | 717.2 | 692.3 | 690.8 |
| 22.5° | 6596.4 | 5563.3 | 3713.6 | 2431.6 | 1664.6 | 1085.9 | 776.3 | 661.2 | 625.4 | 611.4 | 611.4 |
| 25° | 7329.1 | 6165.4 | 3845.8 | 2274.5 | 1369.1 | 844.8 | 669.0 | 606.7 | 577.2 | 563.2 | 564.7 |
| 27.5° | 8225.2 | 6898.2 | 4026.3 | 2129.8 | 1157.5 | 740.5 | 625.4 | 572.5 | 543.0 | 529.0 | 530.5 |
| 30° | 8900.4 | 7528.3 | 4181.8 | 1997.6 | 1048.6 | 698.5 | 602.1 | 552.3 | 519.6 | 499.4 | 497.8 |
| 32.5° | 9532.1 | 8083.7 | 4307.9 | 1902.7 | 986.3 | 623.9 | 544.5 | 507.2 | 479.2 | 455.8 | 451.2 |
| 35° | 10230.6 | 8606.4 | 4367.0 | 1899.6 | 945.9 | 563.2 | 497.8 | 452.7 | 424.7 | 398.3 | 393.6 |
| 37.5° | 11022.5 | 9245.8 | 4416.8 | 1918.2 | 924.1 | 524.3 | 476.1 | 432.5 | 409.2 | 382.7 | 376.5 |
| 40° | 11847.0 | 9871.2 | 4455.7 | 1933.8 | 921.0 | 497.8 | 458.9 | 420.1 | 396.7 | 368.7 | 362.5 |
| 42.5° | 12554.9 | 10425.1 | 4508.6 | 1927.6 | 899.2 | 493.2 | 448.1 | 409.2 | 387.4 | 359.4 | 351.6 |
| 45° | 13121.2 | 10865.3 | 4591.0 | 1926.0 | 866.6 | 504.1 | 444.9 | 406.0 | 379.6 | 350.0 | 343.8 |
| 47.5° | 13648.6 | 11361.6 | 4765.3 | 1919.8 | 830.8 | 501.0 | 462.1 | 402.9 | 376.5 | 346.9 | 342.3 |
| 50° | 14252.2 | 12029.0 | 5062.4 | 1873.1 | 781.0 | 479.2 | 493.2 | 399.8 | 368.7 | 342.3 | 337.6 |
| 52.5° | 15092.3 | 13006.0 | 5502.7 | 1789.1 | 712.5 | 455.8 | 497.8 | 398.3 | 356.3 | 332.9 | 326.7 |
| 55° | 16080.2 | 14053.1 | 5977.2 | 1667.8 | 622.3 | 415.4 | 472.9 | 392.0 | 343.8 | 318.9 | 309.6 |
| 57.5° | 16844.1 | 14826.3 | 6308.6 | 1493.5 | 533.6 | 392.0 | 421.6 | 378.0 | 328.3 | 303.4 | 295.6 |
| 60° | 17058.8 | 14860.5 | 6367.7 | 1285.0 | 488.5 | 376.5 | 362.5 | 412.3 | 315.8 | 289.4 | 281.6 |
| 62.5° | 16802.1 | 14180.6 | 5981.8 | 1138.8 | 472.9 | 360.9 | 329.8 | 393.6 | 303.4 | 276.9 | 269.1 |
| 65° | 16041.3 | 13032.5 | 5118.4 | 1117.0 | 488.5 | 346.9 | 312.7 | 314.3 | 290.9 | 264.5 | 256.7 |
| 67.5° | 14264.6 | 11342.9 | 4032.5 | 1131.0 | 507.2 | 332.9 | 300.3 | 286.3 | 276.9 | 253.6 | 244.3 |
| 70° | 11601.2 | 9132.2 | 3176.8 | 1155.9 | 524.3 | 314.3 | 284.7 | 267.6 | 259.8 | 234.9 | 230.3 |
| 72.5° | 8936.2 | 7308.9 | 2506.3 | 1138.8 | 541.4 | 295.6 | 262.9 | 248.9 | 239.6 | 216.2 | 211.6 |
| 75° | 6345.9 | 5807.6 | 1842.0 | 977.0 | 496.3 | 269.1 | 238.0 | 225.6 | 217.8 | 192.9 | 191.4 |
| 77.5° | 4573.9 | 4349.9 | 1281.9 | 734.3 | 392.0 | 236.5 | 210.0 | 199.1 | 194.5 | 166.5 | 166.5 |
| 80° | 3648.2 | 3310.6 | 767.0 | 479.2 | 286.3 | 196.0 | 175.8 | 171.1 | 166.5 | 138.5 | 140.0 |
| 82.5° | 2621.4 | 2296.3 | 490.1 | 298.7 | 210.0 | 149.4 | 136.9 | 135.3 | 127.6 | 102.7 | 102.7 |
| 85° | 1344.2 | 1173.0 | 314.3 | 200.7 | 147.8 | 96.5 | 90.2 | 87.1 | 82.5 | 63.8 | 63.8 |
| 87.5° | 261.4 | 359.4 | 174.2 | 98.0 | 71.6 | 34.2 | 34.2 | 29.6 | 34.2 | 23.3 | 24.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 |
| 2.5° | 6033.2 | 6002.1 | 5980.3 | 5969.4 | 6126.5 | 6191.9 | 6266.5 | 6373.9 | 6447.0 | 6415.9 | 6515.5 |
| 5° | 4505.4 | 4527.2 | 4577.0 | 4654.8 | 4874.2 | 4978.4 | 5045.3 | 5134.0 | 5197.7 | 5134.0 | 5239.8 |
| 7.5° | 3080.4 | 3113.0 | 3218.8 | 3379.1 | 3643.6 | 3760.2 | 3783.6 | 3785.1 | 3771.1 | 3666.9 | 3738.5 |
| 10° | 2268.3 | 2202.9 | 2226.3 | 2341.4 | 2577.9 | 2682.1 | 2693.0 | 2665.0 | 2660.3 | 2618.3 | 2699.2 |
| 12.5° | 1758.0 | 1667.8 | 1614.9 | 1633.5 | 1810.9 | 1896.5 | 1910.5 | 1926.0 | 1989.8 | 2010.0 | 2109.6 |
| 15° | 1311.5 | 1264.8 | 1225.9 | 1208.8 | 1325.5 | 1392.4 | 1400.2 | 1437.5 | 1504.4 | 1523.1 | 1608.6 |
| 17.5° | 922.6 | 935.0 | 955.2 | 963.0 | 1047.0 | 1090.6 | 1078.1 | 1078.1 | 1089.0 | 1084.4 | 1132.6 |
| 20° | 704.8 | 729.6 | 768.5 | 805.9 | 882.1 | 907.0 | 875.9 | 837.0 | 812.1 | 799.7 | 810.5 |
| 22.5° | 622.3 | 639.4 | 664.3 | 712.5 | 776.3 | 788.8 | 748.3 | 717.2 | 693.9 | 681.4 | 683.0 |
| 25° | 577.2 | 594.3 | 614.5 | 653.4 | 707.9 | 714.1 | 676.7 | 656.5 | 637.9 | 625.4 | 622.3 |
| 27.5° | 538.3 | 549.2 | 561.6 | 586.5 | 642.5 | 645.6 | 620.7 | 608.3 | 595.9 | 586.5 | 583.4 |
| 30° | 502.5 | 507.2 | 511.8 | 536.7 | 578.7 | 583.4 | 571.0 | 564.7 | 560.1 | 553.8 | 553.8 |
| 32.5° | 455.8 | 462.1 | 469.8 | 491.6 | 532.1 | 538.3 | 530.5 | 525.8 | 518.1 | 515.0 | 510.3 |
| 35° | 399.8 | 415.4 | 432.5 | 458.9 | 502.5 | 505.6 | 496.3 | 482.3 | 463.6 | 458.9 | 455.8 |
| 37.5° | 376.5 | 379.6 | 401.4 | 432.5 | 477.6 | 480.7 | 468.3 | 444.9 | 430.9 | 432.5 | 435.6 |
| 40° | 360.9 | 365.6 | 378.0 | 409.2 | 454.3 | 458.9 | 448.1 | 430.9 | 416.9 | 418.5 | 423.2 |
| 42.5° | 348.5 | 354.7 | 362.5 | 382.7 | 427.8 | 437.2 | 434.1 | 418.5 | 404.5 | 407.6 | 413.8 |
| 45° | 342.3 | 346.9 | 346.9 | 360.9 | 404.5 | 418.5 | 420.1 | 407.6 | 396.7 | 399.8 | 407.6 |
| 47.5° | 339.2 | 339.2 | 334.5 | 345.4 | 388.9 | 402.9 | 406.0 | 399.8 | 393.6 | 396.7 | 404.5 |
| 50° | 334.5 | 328.3 | 323.6 | 332.9 | 376.5 | 388.9 | 392.0 | 387.4 | 390.5 | 396.7 | 401.4 |
| 52.5° | 320.5 | 314.3 | 314.3 | 320.5 | 364.0 | 376.5 | 378.0 | 374.9 | 381.2 | 388.9 | 396.7 |
| 55° | 303.4 | 303.4 | 304.9 | 311.1 | 357.8 | 367.2 | 365.6 | 362.5 | 368.7 | 378.0 | 385.8 |
| 57.5° | 287.8 | 286.3 | 294.0 | 301.8 | 350.0 | 356.3 | 353.2 | 353.2 | 357.8 | 365.6 | 373.4 |
| 60° | 278.5 | 270.7 | 276.9 | 289.4 | 342.3 | 348.5 | 343.8 | 342.3 | 350.0 | 356.3 | 362.5 |
| 62.5° | 269.1 | 261.4 | 266.0 | 278.5 | 331.4 | 336.0 | 332.9 | 332.9 | 340.7 | 345.4 | 351.6 |
| 65° | 255.1 | 252.0 | 255.1 | 267.6 | 322.0 | 323.6 | 323.6 | 325.2 | 331.4 | 334.5 | 340.7 |
| 67.5° | 242.7 | 242.7 | 244.3 | 256.7 | 314.3 | 311.1 | 311.1 | 318.9 | 320.5 | 323.6 | 329.8 |
| 70° | 227.1 | 230.3 | 230.3 | 245.8 | 308.0 | 297.1 | 298.7 | 304.9 | 308.0 | 311.1 | 312.7 |
| 72.5° | 210.0 | 211.6 | 214.7 | 234.9 | 298.7 | 283.1 | 284.7 | 289.4 | 290.9 | 295.6 | 297.1 |
| 75° | 191.4 | 192.9 | 197.6 | 224.0 | 292.5 | 269.1 | 266.0 | 269.1 | 272.3 | 275.4 | 273.8 |
| 77.5° | 169.6 | 172.7 | 177.4 | 217.8 | 272.3 | 266.0 | 242.7 | 245.8 | 248.9 | 248.9 | 247.4 |
| 80° | 143.1 | 147.8 | 155.6 | 208.5 | 230.3 | 256.7 | 216.2 | 217.8 | 219.4 | 219.4 | 216.2 |
| 82.5° | 107.3 | 116.7 | 127.6 | 172.7 | 180.5 | 219.4 | 186.7 | 189.8 | 185.1 | 182.0 | 180.5 |
| 85° | 70.0 | 77.8 | 93.3 | 119.8 | 132.2 | 172.7 | 154.0 | 155.6 | 146.2 | 144.7 | 144.7 |
| 87.5° | 28.0 | 29.6 | 42.0 | 60.7 | 79.3 | 107.3 | 110.5 | 113.6 | 105.8 | 105.8 | 108.9 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CANDELA DISTRIBUTION (continued):

| | 195° | 205° | 215° | 225° | 235° | 245° | 255° | 265° | 270° | 275° | 285° |
|-------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|
| 0° | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 |
| 2.5° | 6666.4 | 6821.9 | 7000.9 | 7182.9 | 7332.2 | 7525.1 | 7711.8 | 7911.0 | 8012.1 | 8071.2 | 8237.7 |
| 5° | 5404.7 | 5617.8 | 5871.4 | 6156.1 | 6392.6 | 6797.1 | 7232.7 | 7718.1 | 7951.4 | 8181.7 | 8617.3 |
| 7.5° | 3866.0 | 4074.5 | 4370.1 | 4738.8 | 5074.8 | 5608.5 | 6182.5 | 6839.1 | 7162.7 | 7536.0 | 8250.1 |
| 10° | 2870.4 | 3091.3 | 3358.9 | 3671.6 | 4002.9 | 4558.3 | 5202.4 | 5939.8 | 6296.1 | 6717.7 | 7529.8 |
| 12.5° | 2327.4 | 2585.7 | 2862.6 | 3142.6 | 3427.3 | 3800.7 | 4475.9 | 5295.8 | 5678.5 | 6103.2 | 6916.8 |
| 15° | 1815.6 | 2092.5 | 2391.2 | 2696.1 | 2979.3 | 3396.2 | 4085.4 | 5054.6 | 5491.8 | 5902.5 | 6568.4 |
| 17.5° | 1285.0 | 1546.4 | 1882.5 | 2252.7 | 2663.4 | 3156.6 | 4001.4 | 5160.4 | 5690.9 | 6120.3 | 6566.8 |
| 20° | 875.9 | 1056.4 | 1392.4 | 1831.1 | 2338.3 | 2963.7 | 4032.5 | 5532.2 | 6195.0 | 6666.4 | 6835.9 |
| 22.5° | 700.1 | 785.7 | 1012.8 | 1459.3 | 2058.3 | 2823.7 | 4160.1 | 6042.5 | 6918.4 | 7492.5 | 7326.0 |
| 25° | 636.3 | 684.5 | 802.8 | 1152.8 | 1809.3 | 2730.3 | 4409.0 | 6716.2 | 7728.9 | 8310.8 | 7915.6 |
| 27.5° | 597.4 | 639.4 | 715.6 | 947.4 | 1594.6 | 2669.7 | 4724.8 | 7509.6 | 8642.2 | 9119.8 | 8530.2 |
| 30° | 572.5 | 614.5 | 684.5 | 851.0 | 1432.8 | 2579.4 | 5001.7 | 8234.6 | 9371.8 | 9681.4 | 8861.5 |
| 32.5° | 524.3 | 557.0 | 614.5 | 762.3 | 1311.5 | 2473.6 | 5241.3 | 8883.3 | 10061.0 | 10163.7 | 9259.8 |
| 35° | 474.5 | 508.7 | 566.3 | 690.8 | 1239.9 | 2391.2 | 5367.3 | 9458.9 | 10744.0 | 10646.0 | 9655.0 |
| 37.5° | 455.8 | 483.8 | 536.7 | 639.4 | 1201.0 | 2336.7 | 5415.6 | 10025.2 | 11476.7 | 11179.6 | 9930.3 |
| 40° | 443.4 | 468.3 | 515.0 | 605.2 | 1190.1 | 2285.4 | 5404.7 | 10563.5 | 12187.7 | 11731.9 | 10146.6 |
| 42.5° | 434.1 | 455.8 | 499.4 | 581.8 | 1160.6 | 2237.2 | 5368.9 | 11028.7 | 12757.1 | 12207.9 | 10353.5 |
| 45° | 426.3 | 449.6 | 493.2 | 594.3 | 1106.1 | 2184.3 | 5347.1 | 11453.4 | 13194.3 | 12609.3 | 10630.4 |
| 47.5° | 423.2 | 449.6 | 494.7 | 591.2 | 1047.0 | 2125.1 | 5424.9 | 11924.8 | 13575.4 | 12946.9 | 10999.1 |
| 50° | 418.5 | 448.1 | 529.0 | 563.2 | 966.1 | 2052.0 | 5687.8 | 12486.4 | 13975.3 | 13326.5 | 11476.7 |
| 52.5° | 410.7 | 446.5 | 564.7 | 541.4 | 861.9 | 1950.9 | 6114.1 | 13279.8 | 14666.0 | 14065.5 | 12183.0 |
| 55° | 401.4 | 449.6 | 539.8 | 507.2 | 751.4 | 1820.2 | 6540.4 | 14367.3 | 15786.2 | 15257.2 | 13197.4 |
| 57.5° | 390.5 | 444.9 | 510.3 | 476.1 | 659.6 | 1655.3 | 6864.0 | 15258.8 | 16710.3 | 16486.2 | 14443.5 |
| 60° | 382.7 | 455.8 | 458.9 | 457.4 | 600.5 | 1498.2 | 6895.1 | 15201.2 | 16976.3 | 17284.3 | 15663.3 |
| 62.5° | 373.4 | 465.2 | 418.5 | 443.4 | 571.0 | 1351.9 | 6510.8 | 14260.0 | 16526.7 | 17181.7 | 16657.4 |
| 65° | 360.9 | 406.0 | 396.7 | 430.9 | 571.0 | 1274.2 | 5616.2 | 12693.3 | 15283.7 | 16210.9 | 17197.2 |
| 67.5° | 348.5 | 368.7 | 381.2 | 413.8 | 583.4 | 1201.0 | 4513.2 | 10706.6 | 13323.4 | 14644.2 | 16590.5 |
| 70° | 331.4 | 348.5 | 364.0 | 398.3 | 577.2 | 1149.7 | 3551.8 | 8581.5 | 10964.9 | 12477.1 | 14911.8 |
| 72.5° | 315.8 | 328.3 | 343.8 | 374.9 | 577.2 | 1126.4 | 2853.2 | 6731.7 | 8371.5 | 9645.6 | 12352.6 |
| 75° | 292.5 | 303.4 | 317.4 | 351.6 | 566.3 | 1029.9 | 2142.3 | 5393.8 | 6125.0 | 6923.1 | 9746.8 |
| 77.5° | 269.1 | 276.9 | 287.8 | 322.0 | 510.3 | 860.3 | 1515.3 | 4177.2 | 4538.1 | 4979.9 | 7598.3 |
| 80° | 239.6 | 245.8 | 253.6 | 287.8 | 423.2 | 667.4 | 986.3 | 3267.1 | 3393.1 | 3606.2 | 4998.6 |
| 82.5° | 205.4 | 214.7 | 216.2 | 247.4 | 340.7 | 483.8 | 586.5 | 2238.7 | 2237.2 | 2549.9 | 3526.9 |
| 85° | 168.0 | 172.7 | 175.8 | 194.5 | 252.0 | 322.0 | 385.8 | 1222.8 | 1090.6 | 1527.7 | 3063.3 |
| 87.5° | 126.0 | 121.3 | 126.0 | 130.7 | 166.5 | 189.8 | 206.9 | 225.6 | 135.3 | 276.9 | 1781.3 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |



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CATALOG NUMBER: NAV-AF-05-D-UNV-SLR-7060-800

CANDELA DISTRIBUTION (continued):

| | 295° | 305° | 315° | 325° | 335° | 345° | 355° | 360° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 | 7315.1 |
| 2.5° | 8326.4 | 8418.1 | 8363.7 | 8298.4 | 8135.0 | 7895.4 | 7711.8 | 7551.6 |
| 5° | 8919.1 | 9088.7 | 9014.0 | 8771.3 | 8348.1 | 7867.4 | 7361.8 | 7053.8 |
| 7.5° | 8844.4 | 9180.5 | 9150.9 | 8746.4 | 8139.7 | 7431.8 | 6720.8 | 6314.8 |
| 10° | 8247.0 | 8718.4 | 8799.3 | 8385.5 | 7742.9 | 6951.1 | 6128.1 | 5669.1 |
| 12.5° | 7596.7 | 7993.4 | 8158.3 | 8001.2 | 7396.0 | 6591.7 | 5753.1 | 5294.2 |
| 15° | 7052.2 | 7252.9 | 7416.2 | 7517.4 | 7142.4 | 6464.1 | 5687.8 | 5214.9 |
| 17.5° | 6649.3 | 6610.4 | 6747.3 | 6990.0 | 7005.5 | 6633.7 | 5983.4 | 5454.4 |
| 20° | 6454.8 | 6149.9 | 6229.2 | 6569.9 | 6968.2 | 7064.6 | 6573.0 | 5947.6 |
| 22.5° | 6443.9 | 5967.8 | 5983.4 | 6350.6 | 7075.5 | 7652.7 | 7308.9 | 6596.4 |
| 25° | 6611.9 | 5947.6 | 5961.6 | 6327.2 | 7265.3 | 8245.5 | 8159.9 | 7329.1 |
| 27.5° | 6898.2 | 6034.7 | 6025.4 | 6429.9 | 7518.9 | 8740.2 | 9018.7 | 8225.2 |
| 30° | 7207.8 | 6160.8 | 6137.4 | 6594.8 | 7767.8 | 9045.1 | 9628.5 | 8900.4 |
| 32.5° | 7593.6 | 6384.8 | 6303.9 | 6835.9 | 8013.6 | 9337.6 | 10149.7 | 9532.1 |
| 35° | 7960.8 | 6713.0 | 6596.4 | 7181.3 | 8276.6 | 9662.7 | 10733.1 | 10230.6 |
| 37.5° | 8335.7 | 7203.1 | 7137.8 | 7679.2 | 8648.4 | 10015.9 | 11400.5 | 11022.5 |
| 40° | 8816.4 | 7900.1 | 7869.0 | 8402.6 | 9144.7 | 10401.7 | 12148.8 | 11847.0 |
| 42.5° | 9334.5 | 8640.6 | 8614.2 | 9233.4 | 9760.8 | 10789.1 | 12789.8 | 12554.9 |
| 45° | 9861.9 | 9538.3 | 9544.5 | 10120.1 | 10409.5 | 11154.7 | 13293.9 | 13121.2 |
| 47.5° | 10484.2 | 10520.0 | 10742.4 | 11039.6 | 11041.1 | 11562.3 | 13740.4 | 13648.6 |
| 50° | 11274.5 | 11705.4 | 12116.2 | 12162.8 | 11679.0 | 12100.6 | 14286.4 | 14252.2 |
| 52.5° | 12169.0 | 13072.9 | 13550.5 | 13402.8 | 12301.3 | 12768.0 | 15093.8 | 15092.3 |
| 55° | 13231.6 | 14502.7 | 14952.3 | 14700.2 | 13046.5 | 13637.7 | 16148.6 | 16080.2 |
| 57.5° | 14333.1 | 15877.9 | 16240.4 | 15912.2 | 13978.4 | 14650.5 | 17206.6 | 16844.1 |
| 60° | 15523.2 | 17061.9 | 17430.6 | 16937.4 | 15023.8 | 15660.1 | 17906.6 | 17058.8 |
| 62.5° | 16302.7 | 17754.2 | 18018.7 | 17545.7 | 15960.4 | 16688.5 | 18132.2 | 16802.1 |
| 65° | 16343.1 | 17293.7 | 17363.7 | 17195.7 | 16358.7 | 17581.5 | 17805.5 | 16041.3 |
| 67.5° | 15232.3 | 15288.3 | 15380.1 | 15560.6 | 15507.7 | 17183.2 | 16545.4 | 14264.6 |
| 70° | 12856.7 | 12109.9 | 12411.7 | 12586.0 | 12978.0 | 15283.7 | 14216.4 | 11601.2 |
| 72.5° | 9830.8 | 8740.2 | 9082.4 | 9023.3 | 9838.5 | 12536.2 | 10876.2 | 8936.2 |
| 75° | 7075.5 | 5960.1 | 5986.5 | 5989.6 | 7069.3 | 10006.6 | 7416.2 | 6345.9 |
| 77.5° | 4808.8 | 4217.6 | 4304.7 | 4250.3 | 4731.0 | 7839.4 | 5339.3 | 4573.9 |
| 80° | 3288.8 | 3273.3 | 3292.0 | 3164.4 | 3155.1 | 5067.1 | 3953.2 | 3648.2 |
| 82.5° | 2439.4 | 2254.3 | 2227.8 | 2092.5 | 2417.6 | 3873.8 | 3001.0 | 2621.4 |
| 85° | 1924.5 | 1247.7 | 1084.4 | 1308.4 | 2094.0 | 3564.2 | 1829.6 | 1344.2 |
| 87.5° | 815.2 | 490.1 | 297.1 | 588.1 | 1163.7 | 2612.1 | 507.2 | 261.4 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)