

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: P971537

Luminaire Tested: **NVN-SB6D-827-U-SLL-HSS**

Issue Date: 1/21/2025

Test Information

Test Method: LM-79-08
Report Number: P971537
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-9)
Test Lab: INNOVATION CENTER
Issue Date: 1/21/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: NVN-SB6D-827-U-SLL-HSS
Description: NAVION ROADWAY AND AREA HIGH DENSITY LED LUMINAIRE
(6) 80 CRI, 2700K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND SPILL LIGHT
ELIMINATOR LEFT OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 41975.8 lumens
Efficiency: N/A
Efficacy: 95.4 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

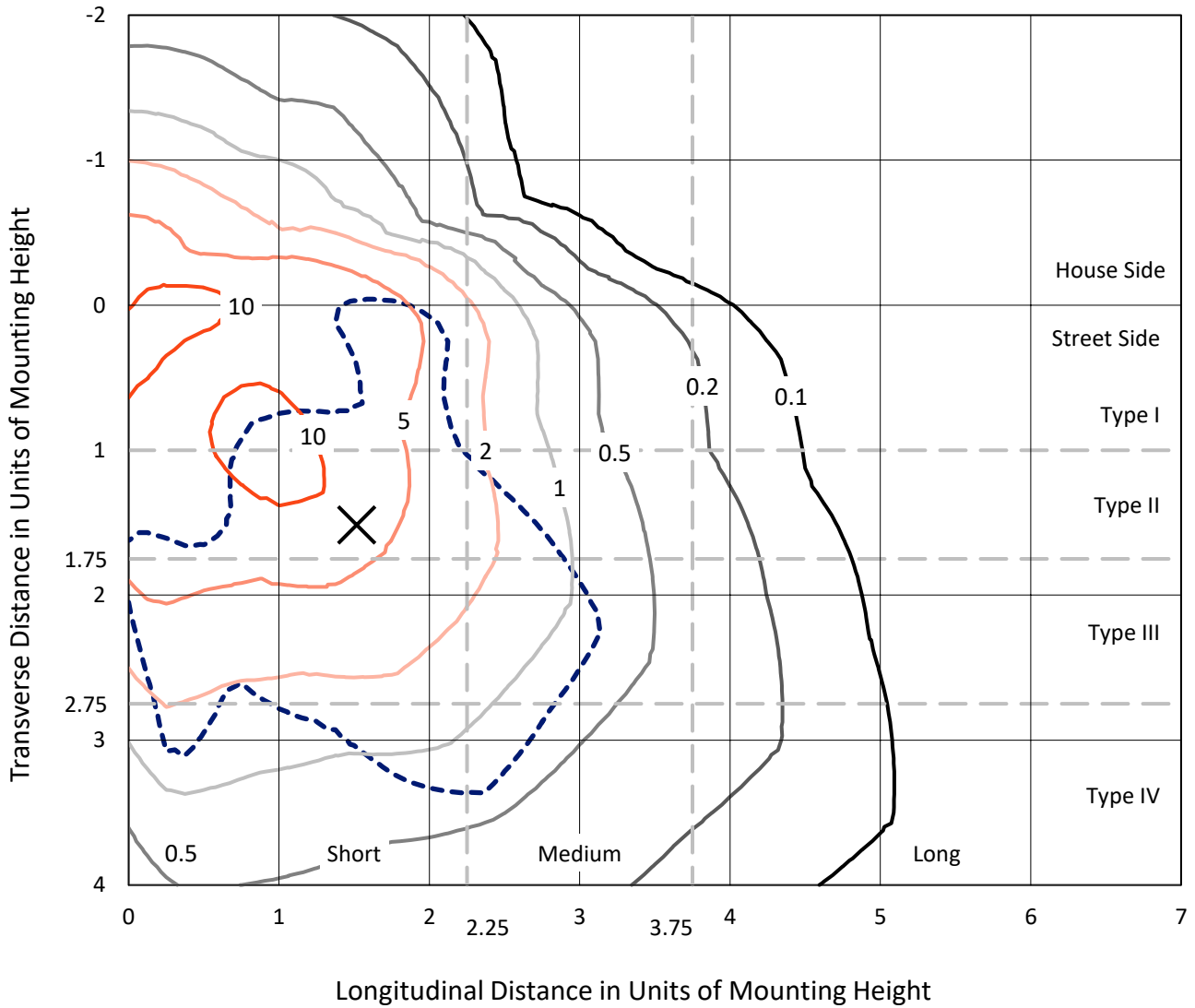
Input Watts (W): 440.1
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

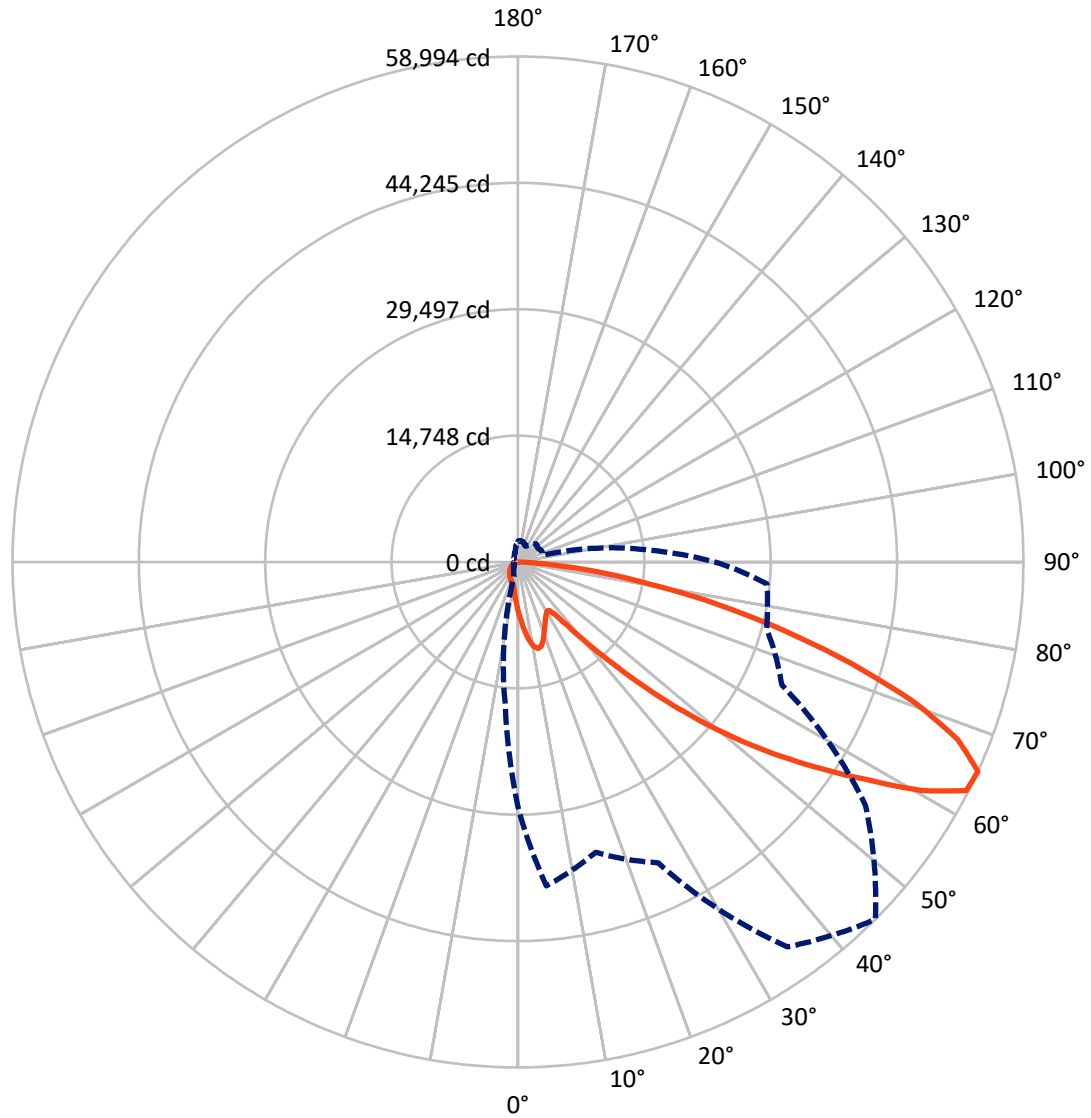
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 15.3 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 65-Deg Vertical

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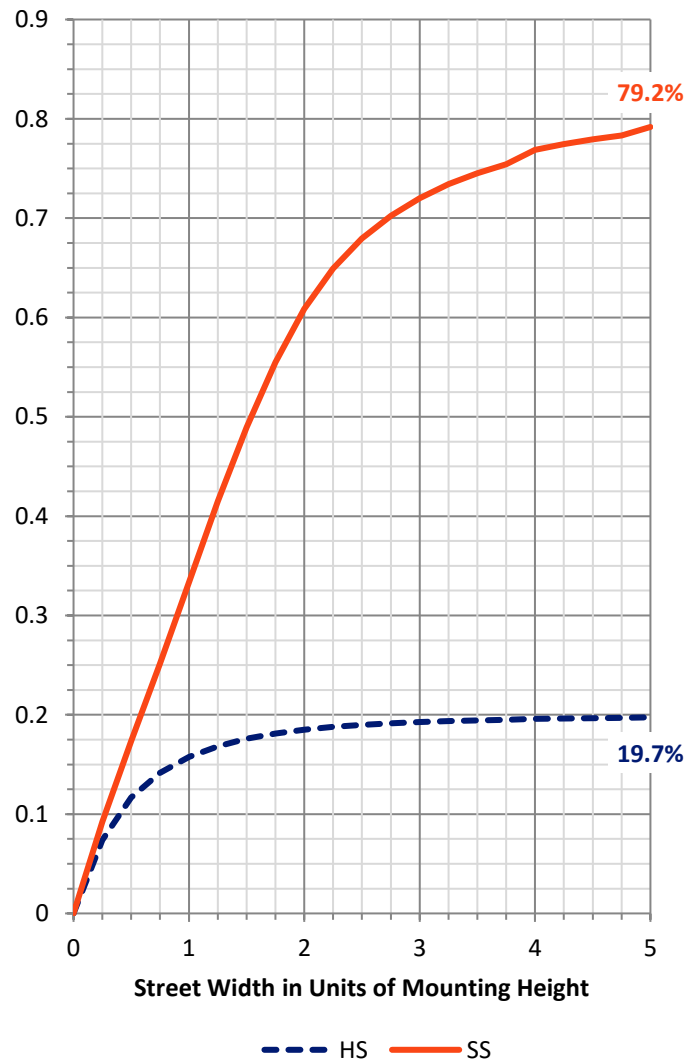
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 8343.5 | 0.0 | 8343.5 |
| | % Fixture | 19.9 | 0.0 | 19.9 |
| Street Side | Lumens | 33632.3 | 0.0 | 33632.3 |
| | % Fixture | 80.1 | 0.0 | 80.1 |
| Total | Lumens | 41975.8 | 0.0 | 41975.8 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 572.2 | 1.4 |
| 10°-20° | 1715.4 | 4.1 |
| 20°-30° | 2527.1 | 6.0 |
| 30°-40° | 3246.7 | 7.7 |
| 40°-50° | 5250.9 | 12.5 |
| 50°-60° | 9207.9 | 21.9 |
| 60°-70° | 11521.6 | 27.4 |
| 70°-80° | 6732.7 | 16.0 |
| 80°-90° | 1201.2 | 2.9 |
| 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° | 41975.8 | 100.0 |
| 0°-180° | 41975.8 | 100.0 |

Coefficient of Utilization



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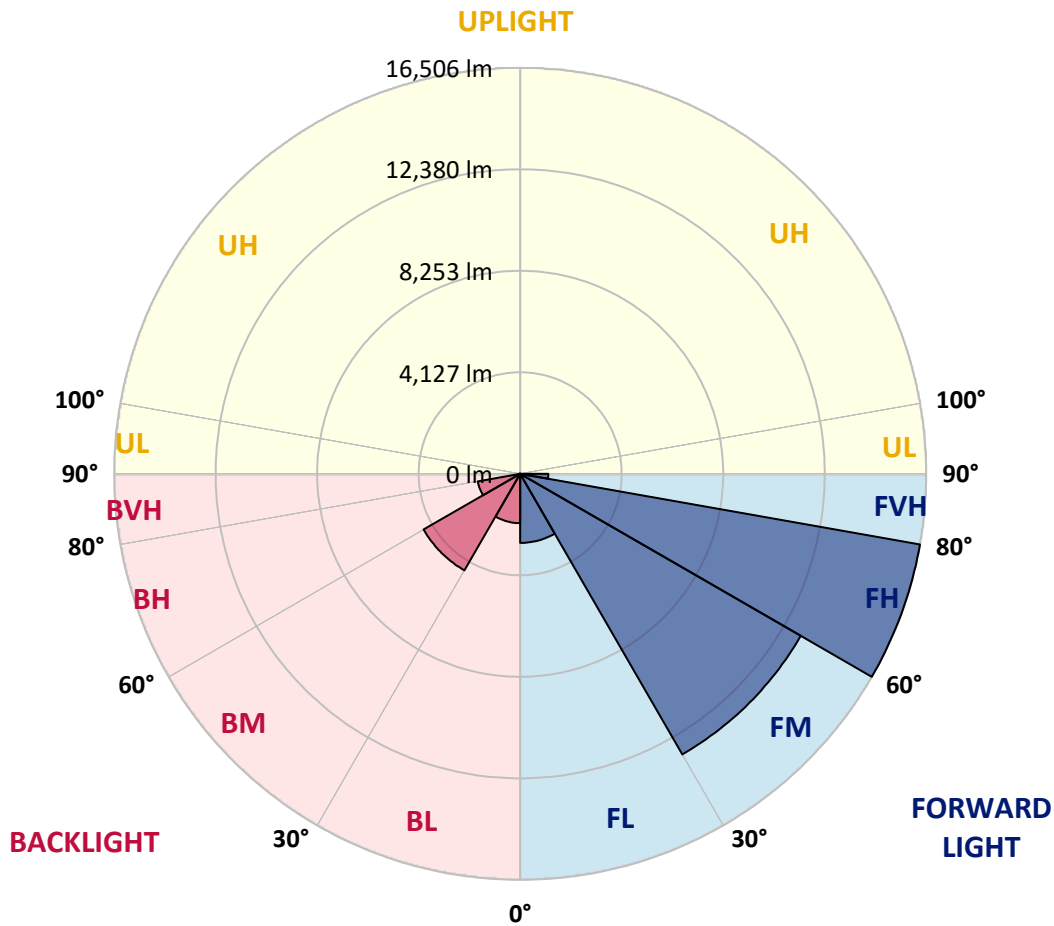
CATALOG NUMBER: NVN-SB6D-827-U-SLL-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 2808.7 | 6.7 | | | |
| FM (30°-60°) | 13172.5 | 31.4 | | | |
| FH (60°-80°) | 16506.2 | 39.3 | | | G5 |
| FVH (80°-90°) | 1144.9 | 2.7 | | | G5 |
| BL (0°-30°) | 2006.1 | 4.8 | B3/2500 | | |
| BM (30°-60°) | 4533.0 | 10.8 | B3/5000 | | |
| BH (60°-80°) | 1748.1 | 4.2 | B3/2500 | | G3/2500 |
| BVH (80°-90°) | 56.3 | 0.1 | | | G1/100 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G5

Type IV Short



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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 |
| 2.5° | 6512.1 | 6561.2 | 6671.1 | 6729.0 | 6818.6 | 6824.3 | 6824.3 | 6746.3 | 6743.5 | 6584.4 | 6567.1 |
| 5° | 7278.4 | 7394.0 | 7654.3 | 7923.2 | 7981.1 | 7995.5 | 7966.6 | 7810.5 | 7694.8 | 7385.4 | 7318.9 |
| 7.5° | 8038.9 | 8261.6 | 8657.8 | 9016.3 | 9131.9 | 9131.9 | 9062.5 | 8808.1 | 8570.9 | 8122.8 | 7955.0 |
| 10° | 8669.3 | 8949.8 | 9487.6 | 9889.6 | 10022.7 | 9993.6 | 9852.0 | 9531.1 | 9204.3 | 8660.6 | 8440.9 |
| 12.5° | 9085.7 | 9400.9 | 9990.8 | 10314.7 | 10450.6 | 10375.4 | 10213.5 | 9901.2 | 9557.1 | 8984.5 | 8735.8 |
| 15° | 9293.9 | 9623.5 | 10135.4 | 10306.0 | 10268.4 | 10190.3 | 10170.0 | 10019.7 | 9759.4 | 9224.5 | 8952.7 |
| 17.5° | 9383.6 | 9690.0 | 10045.7 | 9938.7 | 9620.6 | 9560.0 | 9762.4 | 9953.2 | 9889.6 | 9432.7 | 9178.3 |
| 20° | 9467.4 | 9724.8 | 9831.8 | 9357.5 | 8802.3 | 8747.3 | 9134.9 | 9678.5 | 9956.1 | 9626.5 | 9392.2 |
| 22.5° | 9583.0 | 9742.1 | 9522.4 | 8744.5 | 8145.9 | 8018.7 | 8446.6 | 9265.0 | 9976.3 | 9872.3 | 9638.0 |
| 25° | 9742.1 | 9785.5 | 9181.1 | 8163.2 | 7561.7 | 7434.5 | 7833.6 | 8805.2 | 9941.7 | 10138.3 | 9938.7 |
| 27.5° | 9933.0 | 9843.3 | 8854.4 | 7677.5 | 7096.2 | 6977.7 | 7376.7 | 8362.8 | 9843.3 | 10404.4 | 10262.6 |
| 30° | 10181.6 | 9918.5 | 8530.5 | 7301.5 | 6763.7 | 6677.0 | 7061.5 | 7981.1 | 9721.9 | 10742.6 | 10664.6 |
| 32.5° | 10433.3 | 9950.3 | 8229.7 | 7081.7 | 6688.5 | 6720.3 | 7035.5 | 7775.8 | 9588.9 | 11066.5 | 11104.1 |
| 35° | 10705.1 | 10051.6 | 8082.3 | 7298.6 | 7315.9 | 7593.6 | 7723.7 | 7966.6 | 9568.6 | 11506.0 | 11653.5 |
| 37.5° | 11075.2 | 10277.1 | 8258.6 | 8377.2 | 8978.7 | 9554.1 | 9447.1 | 8900.6 | 9802.8 | 12162.4 | 12437.1 |
| 40° | 11607.3 | 10673.2 | 9027.9 | 10213.5 | 11448.2 | 12382.2 | 11974.5 | 10598.1 | 10520.0 | 13108.0 | 13518.6 |
| 42.5° | 12382.2 | 11303.6 | 10392.8 | 12457.4 | 14551.0 | 16089.4 | 14996.4 | 12787.1 | 11775.0 | 14458.4 | 14981.9 |
| 45° | 13527.3 | 12324.4 | 12044.0 | 14825.7 | 18376.7 | 20799.9 | 18527.1 | 15120.7 | 13533.2 | 16502.9 | 16913.5 |
| 47.5° | 15114.9 | 13825.2 | 13591.0 | 17321.3 | 23026.5 | 26161.2 | 22442.5 | 17283.7 | 15534.2 | 19290.5 | 19385.9 |
| 50° | 17223.0 | 15846.5 | 15057.0 | 20051.0 | 28124.7 | 31626.5 | 26354.9 | 19371.5 | 17827.3 | 22696.9 | 22587.0 |
| 52.5° | 20004.7 | 18665.9 | 16766.0 | 22650.7 | 33367.2 | 36976.1 | 30284.8 | 21204.8 | 20672.7 | 26649.9 | 26424.3 |
| 55° | 23798.7 | 22908.0 | 19102.5 | 25131.7 | 38607.0 | 42357.5 | 34061.3 | 22934.1 | 24431.9 | 31345.9 | 29981.0 |
| 57.5° | 28506.3 | 29142.5 | 22471.4 | 28008.9 | 43317.6 | 47903.8 | 37855.2 | 25351.5 | 29313.1 | 36597.3 | 32045.8 |
| 60° | 31542.6 | 37433.0 | 28922.7 | 32262.6 | 48670.1 | 54175.9 | 43054.4 | 29949.3 | 34443.0 | 38479.7 | 31652.5 |
| 62.5° | 30808.1 | 40070.2 | 36649.3 | 37693.2 | 53591.8 | 58736.1 | 48149.6 | 34567.3 | 35408.8 | 35706.6 | 28622.0 |
| 65° | 28555.5 | 37941.9 | 35073.3 | 38748.7 | 54838.1 | 58993.5 | 49511.6 | 33971.6 | 30036.0 | 29151.2 | 23006.3 |
| 67.5° | 25455.6 | 35417.4 | 31328.6 | 35949.5 | 52585.5 | 55396.2 | 46975.5 | 30050.4 | 23211.6 | 21875.7 | 16690.9 |
| 70° | 22109.9 | 32624.1 | 28870.7 | 32809.1 | 48291.3 | 49127.0 | 42664.1 | 26430.0 | 17072.6 | 14773.6 | 10710.8 |
| 72.5° | 18934.8 | 29715.1 | 27187.7 | 29590.7 | 42562.8 | 40833.6 | 37051.3 | 23229.0 | 12431.4 | 10655.9 | 7613.8 |
| 75° | 15687.4 | 25423.8 | 24790.4 | 25767.9 | 35030.0 | 32164.3 | 30785.0 | 19232.7 | 9756.6 | 7709.2 | 5254.3 |
| 77.5° | 12104.6 | 19865.9 | 21323.4 | 20635.1 | 24657.5 | 23891.2 | 23862.3 | 14452.7 | 7128.1 | 5144.4 | 3293.6 |
| 80° | 8284.7 | 13845.4 | 16659.0 | 14556.7 | 16002.6 | 15612.3 | 17971.8 | 9695.9 | 5170.3 | 3097.0 | 1833.3 |
| 82.5° | 4869.6 | 8429.3 | 11595.7 | 7047.1 | 8848.6 | 9082.8 | 10702.1 | 4716.3 | 3042.1 | 714.2 | 399.0 |
| 85° | 1975.1 | 3328.4 | 4534.2 | 2758.7 | 4268.1 | 3600.2 | 4062.8 | 1324.4 | 847.3 | 17.3 | 0.0 |
| 87.5° | 497.3 | 1064.2 | 746.1 | 309.4 | 494.5 | 454.0 | 358.5 | 162.0 | 34.7 | 0.0 | 0.0 |
| 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: NVN-SB6D-827-U-SLL-HSS

CANDELA DISTRIBUTION (continued):

| | 95° | 105° | 115° | 125° | 135° | 145° | 155° | 165° | 175° | 180° | 185° |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 |
| 2.5° | 6454.2 | 6387.8 | 6222.9 | 6058.1 | 5925.1 | 5745.8 | 5627.2 | 5485.5 | 5349.7 | 5228.2 | 5205.1 |
| 5° | 7136.7 | 6916.9 | 6616.2 | 6341.5 | 6061.0 | 5789.2 | 5520.2 | 5236.8 | 4976.6 | 4817.6 | 4716.3 |
| 7.5° | 7691.9 | 7304.5 | 6905.3 | 6555.5 | 6217.1 | 5899.1 | 5543.4 | 5199.3 | 4791.6 | 4574.7 | 4378.0 |
| 10° | 8105.4 | 7596.5 | 7073.1 | 6671.1 | 6329.9 | 6020.5 | 5719.8 | 5372.7 | 4881.2 | 4609.3 | 4314.4 |
| 12.5° | 8377.2 | 7772.9 | 7159.8 | 6700.0 | 6318.3 | 6078.4 | 5945.3 | 5809.4 | 5320.7 | 5002.6 | 4574.7 |
| 15° | 8565.2 | 7897.2 | 7220.5 | 6633.6 | 6165.1 | 5988.7 | 6121.7 | 6277.8 | 5965.6 | 5598.3 | 5040.2 |
| 17.5° | 8770.5 | 8059.2 | 7246.5 | 6454.2 | 5867.2 | 5792.1 | 6136.2 | 6497.7 | 6483.2 | 6118.8 | 5572.3 |
| 20° | 8987.4 | 8200.8 | 7229.2 | 6165.1 | 5505.8 | 5572.3 | 6011.8 | 6431.2 | 6607.6 | 6410.9 | 5925.1 |
| 22.5° | 9210.0 | 8336.7 | 7162.7 | 5789.2 | 5167.4 | 5375.6 | 5815.2 | 6182.5 | 6390.7 | 6329.9 | 5959.8 |
| 25° | 9490.6 | 8527.6 | 7064.4 | 5384.3 | 4887.0 | 5176.1 | 5586.8 | 5884.6 | 6029.2 | 6026.3 | 5771.8 |
| 27.5° | 9826.0 | 8782.1 | 7012.3 | 5057.6 | 4687.4 | 4950.5 | 5314.9 | 5580.9 | 5682.2 | 5682.2 | 5479.8 |
| 30° | 10216.4 | 9082.8 | 6954.5 | 4843.6 | 4571.8 | 4716.3 | 4999.7 | 5260.0 | 5361.2 | 5361.2 | 5190.6 |
| 32.5° | 10650.2 | 9372.0 | 6815.7 | 4713.5 | 4485.0 | 4487.9 | 4667.2 | 4904.3 | 5025.8 | 5043.1 | 4921.6 |
| 35° | 11170.7 | 9681.4 | 6512.1 | 4609.3 | 4383.8 | 4265.2 | 4352.0 | 4548.6 | 4693.3 | 4730.8 | 4655.7 |
| 37.5° | 11853.1 | 10060.2 | 6078.4 | 4456.1 | 4227.6 | 4031.0 | 4051.3 | 4201.7 | 4360.7 | 4418.5 | 4369.4 |
| 40° | 12769.8 | 10505.5 | 5627.2 | 4236.3 | 4007.9 | 3773.6 | 3765.0 | 3874.9 | 4031.0 | 4094.7 | 4068.6 |
| 42.5° | 13981.3 | 11040.5 | 5196.3 | 4025.3 | 3741.9 | 3501.8 | 3487.4 | 3574.2 | 3710.1 | 3776.5 | 3765.0 |
| 45° | 15531.3 | 11696.9 | 4826.2 | 3860.5 | 3481.6 | 3244.4 | 3238.7 | 3311.0 | 3429.5 | 3498.9 | 3484.5 |
| 47.5° | 17685.6 | 12353.3 | 4574.7 | 3773.6 | 3276.3 | 3033.4 | 3045.0 | 3108.6 | 3215.5 | 3264.7 | 3244.4 |
| 50° | 20493.4 | 12552.9 | 4447.5 | 3773.6 | 3166.4 | 2845.4 | 2903.2 | 2955.3 | 3036.3 | 3065.2 | 3039.1 |
| 52.5° | 23188.5 | 11893.6 | 4331.8 | 3796.8 | 3180.9 | 2686.4 | 2810.8 | 2848.3 | 2917.8 | 2929.2 | 2891.7 |
| 55° | 24510.0 | 10225.0 | 4172.7 | 3802.5 | 3270.5 | 2550.5 | 2735.5 | 2804.9 | 2830.9 | 2828.1 | 2764.4 |
| 57.5° | 24056.0 | 8267.3 | 3903.8 | 3779.5 | 3331.2 | 2463.7 | 2643.0 | 2776.0 | 2793.3 | 2767.4 | 2648.8 |
| 60° | 22462.7 | 6087.1 | 3698.5 | 3608.8 | 3308.1 | 2437.7 | 2501.3 | 2712.5 | 2738.4 | 2703.7 | 2510.0 |
| 62.5° | 19790.8 | 4224.7 | 3539.4 | 3233.0 | 3206.9 | 2429.0 | 2278.7 | 2573.6 | 2637.2 | 2588.0 | 2304.7 |
| 65° | 15580.4 | 2984.2 | 3047.8 | 2833.8 | 2987.2 | 2382.7 | 2047.3 | 2405.9 | 2492.6 | 2417.5 | 2018.4 |
| 67.5° | 10543.2 | 2154.3 | 2469.5 | 2567.8 | 2631.5 | 2278.7 | 1879.6 | 2215.0 | 2330.7 | 2232.3 | 1685.8 |
| 70° | 5693.8 | 1512.4 | 1630.9 | 2163.0 | 2235.3 | 2099.4 | 1729.3 | 2021.3 | 2154.3 | 2047.3 | 1373.6 |
| 72.5° | 3363.0 | 1087.3 | 1142.3 | 1737.9 | 1862.2 | 1847.8 | 1561.5 | 1795.7 | 1957.6 | 1830.4 | 1116.2 |
| 75° | 1853.6 | 734.5 | 815.5 | 1260.8 | 1512.4 | 1425.6 | 1341.7 | 1521.0 | 1685.8 | 1561.5 | 861.7 |
| 77.5° | 829.9 | 439.5 | 566.7 | 827.1 | 1188.5 | 977.4 | 1038.1 | 1185.6 | 1338.9 | 1208.7 | 575.4 |
| 80° | 320.9 | 245.8 | 376.0 | 451.1 | 864.6 | 540.8 | 668.0 | 873.3 | 983.2 | 879.0 | 349.9 |
| 82.5° | 40.5 | 109.9 | 162.0 | 176.4 | 503.2 | 286.3 | 387.4 | 549.4 | 540.8 | 468.4 | 176.4 |
| 85° | 0.0 | 20.2 | 23.2 | 11.6 | 216.9 | 104.1 | 127.2 | 179.3 | 167.7 | 127.2 | 14.5 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 0.0 | 0.0 |
| 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° | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 | 5812.3 |
| 2.5° | 5063.4 | 4959.3 | 4907.2 | 4863.8 | 4904.3 | 4927.5 | 4927.5 | 5025.8 | 5083.6 | 5106.8 | 5268.7 |
| 5° | 4461.9 | 4268.1 | 4138.0 | 4059.9 | 4086.0 | 4114.9 | 4146.7 | 4271.1 | 4354.9 | 4409.9 | 4661.4 |
| 7.5° | 3987.7 | 3692.7 | 3510.5 | 3415.1 | 3429.5 | 3449.7 | 3475.8 | 3597.2 | 3681.1 | 3753.4 | 4033.9 |
| 10° | 3753.4 | 3337.0 | 3097.0 | 2981.3 | 2961.1 | 2949.5 | 2940.8 | 3013.2 | 3076.7 | 3134.6 | 3412.2 |
| 12.5° | 3765.0 | 3183.8 | 2891.7 | 2750.0 | 2689.3 | 2619.9 | 2565.0 | 2576.5 | 2617.0 | 2689.3 | 2865.7 |
| 15° | 3912.4 | 3134.6 | 2784.7 | 2608.3 | 2507.1 | 2426.2 | 2359.7 | 2345.2 | 2359.7 | 2371.2 | 2481.1 |
| 17.5° | 4112.0 | 3128.8 | 2692.2 | 2472.4 | 2368.3 | 2301.7 | 2241.1 | 2220.9 | 2223.7 | 2238.2 | 2267.1 |
| 20° | 4271.1 | 3111.5 | 2588.0 | 2342.2 | 2249.8 | 2191.9 | 2131.2 | 2111.0 | 2116.7 | 2119.6 | 2151.4 |
| 22.5° | 4354.9 | 3085.5 | 2472.4 | 2212.2 | 2134.0 | 2076.2 | 2021.3 | 2018.4 | 2018.4 | 2035.8 | 2058.9 |
| 25° | 4354.9 | 3030.5 | 2368.3 | 2087.8 | 2018.4 | 1966.4 | 1899.8 | 1911.4 | 1917.2 | 1940.3 | 1975.1 |
| 27.5° | 4250.8 | 2926.4 | 2284.4 | 1980.8 | 1908.5 | 1856.5 | 1795.7 | 1810.2 | 1818.9 | 1844.9 | 1888.3 |
| 30° | 4117.7 | 2802.0 | 2189.0 | 1879.6 | 1795.7 | 1758.2 | 1706.1 | 1711.9 | 1723.4 | 1752.3 | 1801.5 |
| 32.5° | 3976.1 | 2654.5 | 2111.0 | 1778.4 | 1694.5 | 1665.6 | 1607.8 | 1616.4 | 1628.0 | 1659.8 | 1714.8 |
| 35° | 3820.0 | 2481.1 | 2018.4 | 1685.8 | 1602.0 | 1578.9 | 1512.4 | 1518.1 | 1535.4 | 1570.2 | 1625.1 |
| 37.5° | 3655.2 | 2339.4 | 1925.9 | 1596.2 | 1509.4 | 1486.4 | 1417.0 | 1422.7 | 1443.0 | 1483.5 | 1535.4 |
| 40° | 3493.2 | 2200.6 | 1827.6 | 1500.8 | 1414.0 | 1393.8 | 1318.7 | 1324.4 | 1347.6 | 1390.9 | 1445.9 |
| 42.5° | 3316.8 | 2093.6 | 1700.3 | 1402.5 | 1309.9 | 1289.7 | 1220.3 | 1229.0 | 1255.0 | 1298.4 | 1353.3 |
| 45° | 3105.6 | 2024.2 | 1558.6 | 1309.9 | 1205.8 | 1185.6 | 1122.0 | 1139.3 | 1168.3 | 1211.7 | 1269.5 |
| 47.5° | 2888.8 | 1995.3 | 1440.0 | 1211.7 | 1098.8 | 1081.5 | 1029.4 | 1058.3 | 1090.2 | 1124.8 | 1188.5 |
| 50° | 2680.6 | 1957.6 | 1318.7 | 1119.1 | 1006.3 | 988.9 | 954.3 | 991.9 | 1023.7 | 1055.4 | 1116.2 |
| 52.5° | 2443.5 | 1876.7 | 1208.7 | 1038.1 | 928.2 | 922.5 | 905.1 | 939.8 | 968.7 | 997.6 | 1049.7 |
| 55° | 2197.7 | 1746.6 | 1113.3 | 965.9 | 861.7 | 867.5 | 858.8 | 887.8 | 910.9 | 937.0 | 983.2 |
| 57.5° | 1983.7 | 1581.8 | 1038.1 | 887.8 | 803.9 | 821.2 | 809.6 | 824.1 | 838.6 | 870.4 | 907.9 |
| 60° | 1766.8 | 1385.1 | 954.3 | 795.2 | 746.1 | 766.3 | 734.5 | 731.6 | 737.4 | 746.1 | 815.5 |
| 62.5° | 1474.8 | 1179.8 | 850.1 | 714.2 | 682.4 | 691.2 | 630.4 | 584.1 | 584.1 | 592.8 | 696.9 |
| 65° | 1185.6 | 988.9 | 734.5 | 621.8 | 595.7 | 589.9 | 503.2 | 439.5 | 433.8 | 459.8 | 549.4 |
| 67.5° | 974.5 | 821.2 | 618.8 | 517.6 | 500.3 | 506.0 | 442.4 | 378.8 | 373.0 | 401.9 | 468.4 |
| 70° | 806.8 | 662.2 | 494.5 | 399.0 | 416.4 | 442.4 | 378.8 | 318.1 | 309.4 | 335.5 | 399.0 |
| 72.5° | 642.0 | 517.6 | 378.8 | 295.0 | 344.1 | 376.0 | 309.4 | 251.5 | 245.8 | 269.0 | 329.6 |
| 75° | 471.3 | 370.1 | 257.4 | 214.0 | 266.0 | 295.0 | 225.6 | 179.3 | 170.6 | 190.9 | 251.5 |
| 77.5° | 292.0 | 208.2 | 162.0 | 127.2 | 182.1 | 196.6 | 118.6 | 104.1 | 101.2 | 115.6 | 159.1 |
| 80° | 135.9 | 89.7 | 78.1 | 43.4 | 66.5 | 78.1 | 49.2 | 54.9 | 57.8 | 69.4 | 98.3 |
| 82.5° | 37.6 | 14.5 | 2.9 | 0.0 | 0.0 | 23.2 | 11.6 | 23.2 | 28.9 | 43.4 | 63.7 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 5.7 | 14.5 | 26.0 | 46.2 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 11.6 | 23.2 |
| 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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| 37.5° | 1541.3 | 1538.4 | 1561.5 | 1633.8 | 2030.0 | 6379.1 | 10265.5 | 11075.2 |
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| 77.5° | 208.2 | 196.6 | 164.8 | 257.4 | 222.6 | 306.5 | 1980.8 | 12104.6 |
| 80° | 107.0 | 109.9 | 104.1 | 147.5 | 150.4 | 208.2 | 1127.8 | 8284.7 |
| 82.5° | 63.7 | 49.2 | 54.9 | 72.3 | 86.7 | 118.6 | 425.1 | 4869.6 |
| 85° | 40.5 | 26.0 | 26.0 | 34.7 | 43.4 | 46.2 | 130.2 | 1975.1 |
| 87.5° | 20.2 | 8.7 | 11.6 | 17.3 | 14.5 | 11.6 | 5.7 | 497.3 |
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