

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: P484101

Luminaire Tested: **IFLD-S-SA6C-760-U-SL2-HSS**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P484101  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-760-U-SL2-HSS  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens with House Side Shield  
Light Source: (96) 5700K CCT, 70 CRI LEDs  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

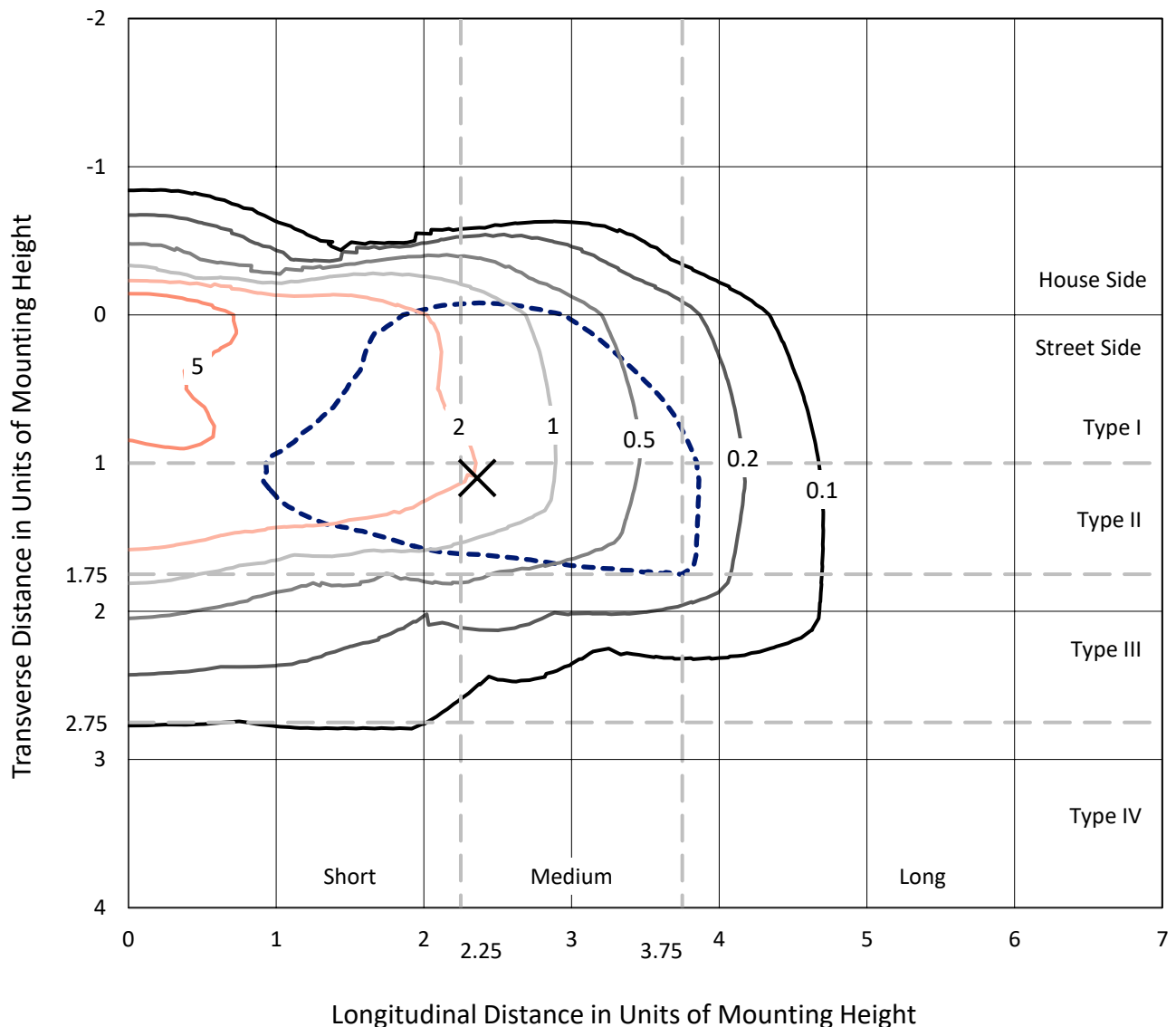
Lumens per Lamp: N/A  
Luminaire Lumens: 34982.5 lumens  
Efficiency: N/A  
Efficacy: 108.8 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5  
Input Voltage (V): 120  
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

REPORT NUMBER: P484101  
 CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

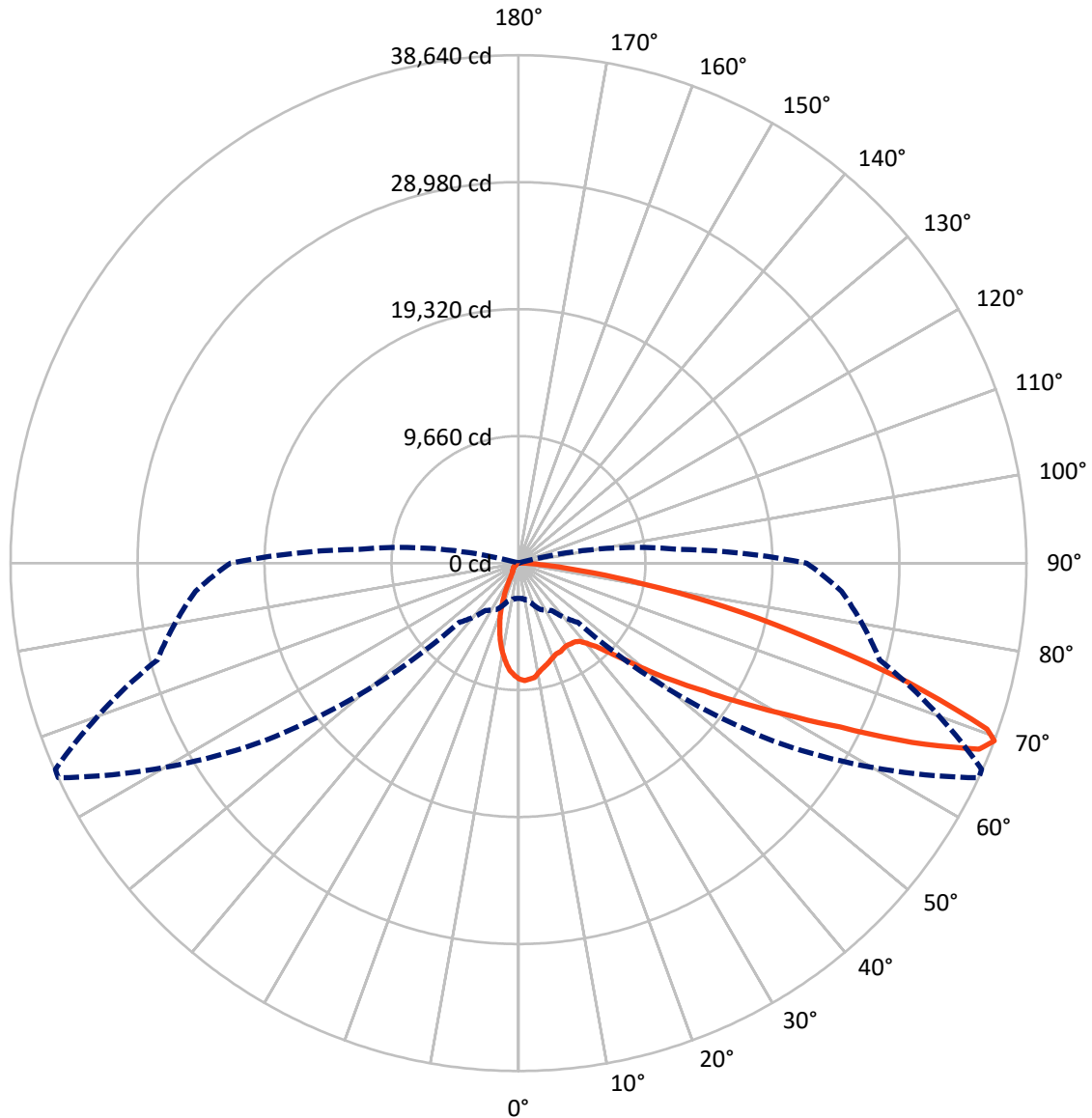
× Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 9.8 fc  
 Type II - Medium - N/A

REPORT NUMBER: P484101  
CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 65-Deg Lateral      - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P484101  
 CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 4243.6   | 0.0    | 4243.6  |
|                    | % Fixture | 12.1     | 0.0    | 12.1    |
| <b>Street Side</b> | Lumens    | 30738.9  | 0.0    | 30738.9 |
|                    | % Fixture | 87.9     | 0.0    | 87.9    |
| <b>Total</b>       | Lumens    | 34982.5  | 0.0    | 34982.5 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 721.8   | 2.1       |
| 10°-20°   | 1579.2  | 4.5       |
| 20°-30°   | 2198.6  | 6.3       |
| 30°-40°   | 3115.6  | 8.9       |
| 40°-50°   | 4910.1  | 14.0      |
| 50°-60°   | 7967.4  | 22.8      |
| 60°-70°   | 8897.9  | 25.4      |
| 70°-80°   | 5010.6  | 14.3      |
| 80°-90°   | 581.4   | 1.7       |
| 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°    | 34982.5 | 100.0     |
| 0°-180°   | 34982.5 | 100.0     |

**Coefficient of Utilization**

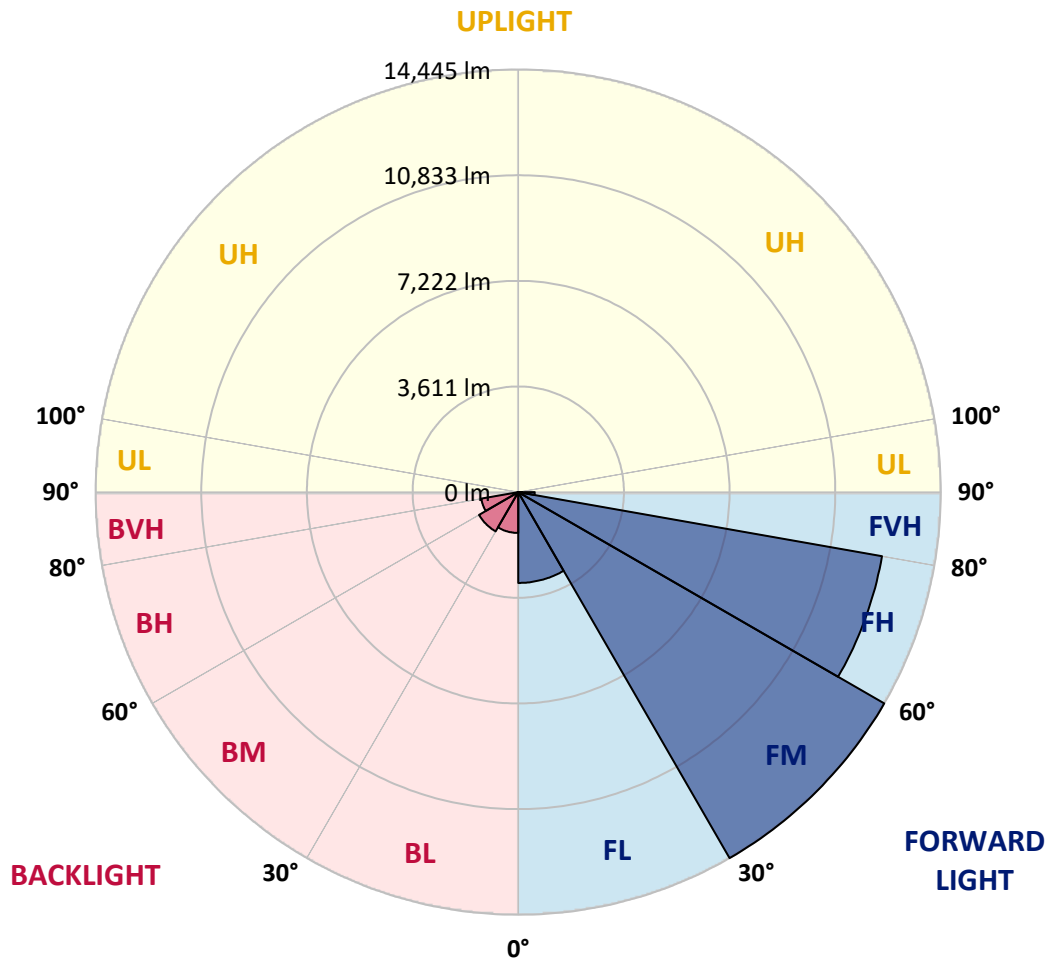


REPORT NUMBER: P484101  
 CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

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

| Zone           | Lumens  | % Fixture | Zone Rating/Lumen Limit |      |         |
|----------------|---------|-----------|-------------------------|------|---------|
|                |         |           | B                       | U    | G       |
| FL (0°-30°)    | 3104.4  | 8.9       |                         |      |         |
| FM (30°-60°)   | 14444.6 | 41.3      |                         |      |         |
| FH (60°-80°)   | 12624.6 | 36.1      |                         |      | G5      |
| FVH (80°-90°)  | 565.4   | 1.6       |                         |      | G4/750  |
| BL (0°-30°)    | 1395.2  | 4.0       | B3/2500                 |      |         |
| BM (30°-60°)   | 1548.5  | 4.4       | B2/2500                 |      |         |
| BH (60°-80°)   | 1283.9  | 3.7       | B3/2500                 |      | G3/2500 |
| BVH (80°-90°)  | 16.0    | 0.0       |                         |      | 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 II Medium





REPORT NUMBER: P484101

CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 5°      | 15°     | 25°     | 35°     | 45°     | 55°     | 65°     | 66°     | 75°     | 85°     |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0°    | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  | 8819.9  |
| 2.5°  | 8494.3  | 8560.4  | 8579.2  | 8645.3  | 8678.3  | 8819.9  | 8900.1  | 8947.3  | 8923.7  | 8975.6  | 8980.3  |
| 5°    | 7890.2  | 7852.5  | 7951.6  | 8022.4  | 8173.4  | 8418.8  | 8668.9  | 8862.4  | 8952.0  | 9037.0  | 9022.8  |
| 7.5°  | 7243.7  | 7224.9  | 7324.0  | 7484.4  | 7621.3  | 7918.6  | 8319.7  | 8796.3  | 8777.4  | 8985.1  | 9046.4  |
| 10°   | 6800.1  | 6819.0  | 6852.1  | 7012.5  | 7215.4  | 7517.4  | 8017.7  | 8461.3  | 8560.4  | 8999.2  | 9121.9  |
| 12.5° | 6394.3  | 6427.3  | 6488.7  | 6653.9  | 6889.8  | 7201.3  | 7687.3  | 8206.4  | 8357.4  | 8919.0  | 9164.4  |
| 15°   | 6262.2  | 6186.7  | 6309.4  | 6432.1  | 6677.5  | 6955.9  | 7366.4  | 8012.9  | 8079.0  | 8824.6  | 9235.2  |
| 17.5° | 6153.6  | 6106.4  | 6163.1  | 6262.2  | 6521.7  | 6748.2  | 7135.2  | 7805.3  | 7928.0  | 8786.9  | 9225.7  |
| 20°   | 6186.7  | 6144.2  | 6167.8  | 6243.3  | 6361.3  | 6573.6  | 6932.3  | 7607.1  | 7739.2  | 8612.3  | 9211.6  |
| 22.5° | 6281.1  | 6314.1  | 6271.6  | 6290.5  | 6328.2  | 6436.8  | 6823.7  | 7465.5  | 7578.8  | 8579.2  | 9291.8  |
| 25°   | 6705.8  | 6649.1  | 6592.5  | 6568.9  | 6347.1  | 6394.3  | 6790.7  | 7456.1  | 7536.3  | 8461.3  | 9225.7  |
| 27.5° | 7149.4  | 7102.2  | 7078.6  | 6941.7  | 6639.7  | 6498.1  | 6795.4  | 7324.0  | 7432.5  | 8414.1  | 9145.5  |
| 30°   | 7687.3  | 7748.7  | 7654.3  | 7489.1  | 7069.1  | 6719.9  | 6847.3  | 7257.9  | 7408.9  | 8234.7  | 9093.6  |
| 32.5° | 8253.6  | 8286.6  | 8333.8  | 8211.1  | 7668.5  | 7055.0  | 7003.1  | 7319.2  | 7328.7  | 8234.7  | 8975.6  |
| 35°   | 8895.4  | 8848.2  | 8970.9  | 8980.3  | 8503.7  | 7649.6  | 7300.4  | 7361.7  | 7460.8  | 8197.0  | 8933.2  |
| 37.5° | 9447.5  | 9527.8  | 9669.3  | 9895.8  | 9405.1  | 8489.6  | 7762.8  | 7559.9  | 7602.4  | 8371.6  | 8966.2  |
| 40°   | 10051.6 | 10131.8 | 10452.7 | 10679.2 | 10400.8 | 9433.4  | 8466.0  | 8022.4  | 8055.4  | 8631.1  | 9136.1  |
| 42.5° | 10717.0 | 10872.7 | 11254.9 | 11651.3 | 11575.8 | 10632.0 | 9372.0  | 8701.9  | 8687.8  | 9277.6  | 9485.3  |
| 45°   | 11618.3 | 11825.9 | 12241.2 | 12699.0 | 12765.0 | 12005.3 | 10580.1 | 9716.5  | 9763.7  | 10122.4 | 10207.3 |
| 47.5° | 12873.6 | 12864.1 | 13270.0 | 13779.6 | 14161.9 | 13430.4 | 12024.1 | 11080.3 | 11075.6 | 11457.8 | 11278.5 |
| 50°   | 14086.4 | 14091.1 | 14199.6 | 14789.5 | 15780.5 | 15407.7 | 13812.6 | 12892.4 | 12840.5 | 13029.3 | 12741.4 |
| 52.5° | 14647.9 | 14581.9 | 14501.6 | 15214.2 | 17026.3 | 17899.3 | 16077.8 | 14945.2 | 14902.7 | 14789.5 | 14714.0 |
| 55°   | 14058.0 | 14081.6 | 14076.9 | 14817.8 | 17682.3 | 20527.9 | 18984.7 | 17205.6 | 17134.9 | 16780.9 | 16884.7 |
| 57.5° | 12165.7 | 12090.2 | 12255.4 | 13411.5 | 16931.9 | 22321.1 | 23142.2 | 20055.9 | 19871.9 | 18696.9 | 18460.9 |
| 60°   | 9055.9  | 9079.4  | 9216.3  | 10580.1 | 15067.9 | 22698.6 | 27120.4 | 23401.8 | 22609.0 | 20046.5 | 19720.9 |
| 62.5° | 6323.5  | 6276.3  | 6328.2  | 7092.7  | 10773.6 | 21188.5 | 29810.2 | 27469.6 | 26705.1 | 21580.2 | 21391.4 |
| 65°   | 4525.6  | 4464.2  | 4671.9  | 5139.0  | 6469.8  | 16200.5 | 30192.5 | 32887.0 | 32202.8 | 24029.4 | 23576.4 |
| 67.5° | 3256.1  | 3246.7  | 3487.4  | 4336.8  | 4596.4  | 9329.6  | 27361.0 | 37794.8 | 37379.6 | 26936.3 | 24907.1 |
| 69°   | 2694.6  | 2699.3  | 2930.5  | 3883.8  | 4388.7  | 6370.7  | 23543.3 | 38639.6 | 38564.0 | 28437.0 | 24657.0 |
| 70°   | 2350.1  | 2369.0  | 2637.9  | 3614.8  | 4303.8  | 5238.1  | 20296.6 | 37809.0 | 37733.5 | 28729.6 | 23831.2 |
| 72.5° | 1448.7  | 1462.9  | 1816.8  | 2897.5  | 4091.4  | 4275.5  | 12137.4 | 30933.3 | 31192.9 | 27389.3 | 20532.6 |
| 75°   | 693.7   | 698.4   | 953.2   | 2095.3  | 3945.1  | 4053.7  | 6502.8  | 22826.0 | 23373.4 | 22113.5 | 16044.8 |
| 77.5° | 368.1   | 368.1   | 457.7   | 1113.7  | 3194.8  | 3813.0  | 3860.2  | 16101.4 | 16554.4 | 13982.5 | 9121.9  |
| 80°   | 184.0   | 188.8   | 278.4   | 580.4   | 1982.0  | 3737.5  | 3015.5  | 9603.3  | 9848.6  | 5705.3  | 2840.9  |
| 82.5° | 70.8    | 75.5    | 132.1   | 349.2   | 1028.8  | 3157.0  | 2647.4  | 4723.8  | 4662.4  | 1335.5  | 693.7   |
| 85°   | 9.4     | 9.4     | 47.2    | 207.6   | 438.9   | 1392.1  | 2184.9  | 1972.6  | 1906.5  | 292.6   | 335.1   |
| 87.5° | 0.0     | 0.0     | 9.4     | 61.3    | 132.1   | 405.8   | 844.7   | 542.7   | 604.0   | 80.2    | 165.2   |
| 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: P484101

CATALOG NUMBER: IFLD-S-SA6C-760-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

|       | 90°     | 95°     | 105°   | 115°   | 125°   | 135°   | 145°   | 155°   | 165°   | 175°   | 180°   |
|-------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0°    | 8819.9  | 8819.9  | 8819.9 | 8819.9 | 8819.9 | 8819.9 | 8819.9 | 8819.9 | 8819.9 | 8819.9 | 8819.9 |
| 2.5°  | 8956.8  | 8857.7  | 8706.6 | 8560.4 | 8404.6 | 8215.9 | 8008.2 | 7932.7 | 7800.6 | 7791.1 | 7866.7 |
| 5°    | 8947.3  | 8786.9  | 8522.6 | 8211.1 | 7767.6 | 7432.5 | 7069.1 | 6804.9 | 6601.9 | 6469.8 | 6502.8 |
| 7.5°  | 8994.5  | 8801.0  | 8343.3 | 7673.2 | 7102.2 | 6436.8 | 5875.2 | 5488.3 | 5134.3 | 4959.7 | 4940.8 |
| 10°   | 8919.0  | 8659.5  | 7989.3 | 7050.3 | 6210.3 | 5280.6 | 4459.5 | 3940.4 | 3411.9 | 3218.4 | 3227.8 |
| 12.5° | 8961.5  | 8598.1  | 7607.1 | 6408.5 | 5252.3 | 4044.2 | 3062.7 | 2354.8 | 1859.3 | 1698.9 | 1680.0 |
| 15°   | 8989.8  | 8466.0  | 7239.0 | 5639.3 | 4190.5 | 2755.9 | 1774.4 | 1335.5 | 1179.8 | 1151.4 | 1146.7 |
| 17.5° | 8881.2  | 8305.5  | 6719.9 | 4879.5 | 3105.1 | 1675.3 | 1179.8 | 1090.1 | 1061.8 | 1042.9 | 1033.5 |
| 20°   | 8876.5  | 8211.1  | 6271.6 | 4100.9 | 2071.7 | 1142.0 | 1019.3 | 986.3  | 943.8  | 929.7  | 929.7  |
| 22.5° | 8796.3  | 8012.9  | 5733.6 | 3246.7 | 1321.3 | 981.6  | 915.5  | 863.6  | 816.4  | 797.5  | 792.8  |
| 25°   | 8772.7  | 7781.7  | 5228.7 | 2439.7 | 1005.2 | 877.7  | 811.7  | 736.2  | 679.5  | 651.2  | 637.1  |
| 27.5° | 8706.6  | 7583.5  | 4719.0 | 1717.7 | 877.7  | 783.4  | 698.4  | 618.2  | 552.1  | 509.7  | 504.9  |
| 30°   | 8470.7  | 7375.9  | 4152.8 | 1189.2 | 797.5  | 693.7  | 599.3  | 504.9  | 438.9  | 410.6  | 401.1  |
| 32.5° | 8371.6  | 7182.4  | 3534.6 | 915.5  | 726.7  | 613.5  | 504.9  | 420.0  | 368.1  | 339.8  | 335.1  |
| 35°   | 8253.6  | 6899.2  | 2935.2 | 797.5  | 660.7  | 533.3  | 424.7  | 353.9  | 311.5  | 287.9  | 287.9  |
| 37.5° | 8267.8  | 6672.7  | 2373.7 | 722.0  | 589.9  | 457.7  | 363.4  | 302.0  | 264.3  | 240.7  | 240.7  |
| 40°   | 8225.3  | 6493.4  | 1845.1 | 655.9  | 523.8  | 391.7  | 306.7  | 254.8  | 221.8  | 198.2  | 193.5  |
| 42.5° | 8418.8  | 6446.2  | 1392.1 | 599.3  | 457.7  | 335.1  | 264.3  | 217.1  | 184.0  | 155.7  | 155.7  |
| 45°   | 8744.4  | 6521.7  | 1085.4 | 547.4  | 391.7  | 287.9  | 226.5  | 179.3  | 146.3  | 127.4  | 122.7  |
| 47.5° | 9612.7  | 6819.0  | 849.4  | 504.9  | 335.1  | 250.1  | 188.8  | 146.3  | 118.0  | 99.1   | 94.4   |
| 50°   | 10872.7 | 7484.4  | 722.0  | 443.6  | 283.1  | 212.4  | 155.7  | 113.3  | 94.4   | 75.5   | 70.8   |
| 52.5° | 12665.9 | 8602.8  | 655.9  | 391.7  | 236.0  | 174.6  | 122.7  | 89.7   | 70.8   | 56.6   | 51.9   |
| 55°   | 14619.6 | 9999.7  | 594.6  | 330.3  | 198.2  | 141.6  | 99.1   | 70.8   | 51.9   | 37.8   | 33.0   |
| 57.5° | 16143.9 | 11207.7 | 542.7  | 273.7  | 160.4  | 113.3  | 75.5   | 51.9   | 37.8   | 23.6   | 18.9   |
| 60°   | 17809.7 | 12057.2 | 476.6  | 217.1  | 132.1  | 84.9   | 56.6   | 37.8   | 28.3   | 14.2   | 14.2   |
| 62.5° | 19527.4 | 13052.9 | 391.7  | 169.9  | 103.8  | 66.1   | 42.5   | 28.3   | 18.9   | 4.7    | 4.7    |
| 65°   | 21915.3 | 13831.5 | 302.0  | 132.1  | 80.2   | 47.2   | 33.0   | 23.6   | 9.4    | 0.0    | 0.0    |
| 67.5° | 22590.1 | 13449.3 | 221.8  | 103.8  | 56.6   | 33.0   | 23.6   | 14.2   | 4.7    | 0.0    | 0.0    |
| 69°   | 21915.3 | 12113.8 | 193.5  | 89.7   | 47.2   | 28.3   | 18.9   | 9.4    | 4.7    | 0.0    | 0.0    |
| 70°   | 20683.6 | 11075.6 | 169.9  | 75.5   | 42.5   | 28.3   | 14.2   | 9.4    | 4.7    | 0.0    | 0.0    |
| 72.5° | 17300.0 | 8494.3  | 132.1  | 56.6   | 33.0   | 23.6   | 14.2   | 9.4    | 0.0    | 0.0    | 0.0    |
| 75°   | 12689.5 | 5247.6  | 99.1   | 42.5   | 28.3   | 18.9   | 14.2   | 9.4    | 0.0    | 0.0    | 0.0    |
| 77.5° | 6800.1  | 1915.9  | 70.8   | 28.3   | 18.9   | 14.2   | 14.2   | 9.4    | 0.0    | 0.0    | 0.0    |
| 80°   | 1864.0  | 566.3   | 51.9   | 18.9   | 14.2   | 9.4    | 9.4    | 4.7    | 0.0    | 0.0    | 0.0    |
| 82.5° | 509.7   | 146.3   | 33.0   | 18.9   | 14.2   | 9.4    | 4.7    | 0.0    | 0.0    | 0.0    | 0.0    |
| 85°   | 273.7   | 56.6    | 18.9   | 14.2   | 9.4    | 4.7    | 0.0    | 0.0    | 0.0    | 0.0    | 0.0    |
| 87.5° | 141.6   | 18.9    | 14.2   | 9.4    | 9.4    | 4.7    | 0.0    | 0.0    | 0.0    | 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    |

(END OF REPORT)