

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: McGRAW-EDISON

Report Number: P948803

Luminaire Tested: **GALN-SB3D-730-U-RW**

Issue Date: 1/21/2025

### Test Information

Test Method: LM-79-08  
Report Number: P948803  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2411-289-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 1/21/2025  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: McGRAW-EDISON  
Catalog Number: GALN-SB3D-730-U-RW  
Description: GALLEON AREA AND ROADWAY HIGH DENSITY LED LUMINAIRE  
(3) 70 CRI, 3000K, 900mA LIGHTSQUARES WITH 26 LEDS EACH AND RECTANGULAR  
WIDE OPTICS  
Light Source: -  
Ballast/Driver: -

### Summary

Lumens per Lamp: N/A  
Luminaire Lumens: 31440 lumens  
Efficiency: N/A  
Efficacy: 144.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B5 - U0 - G5  
  
Input Watts (W): 218.1  
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

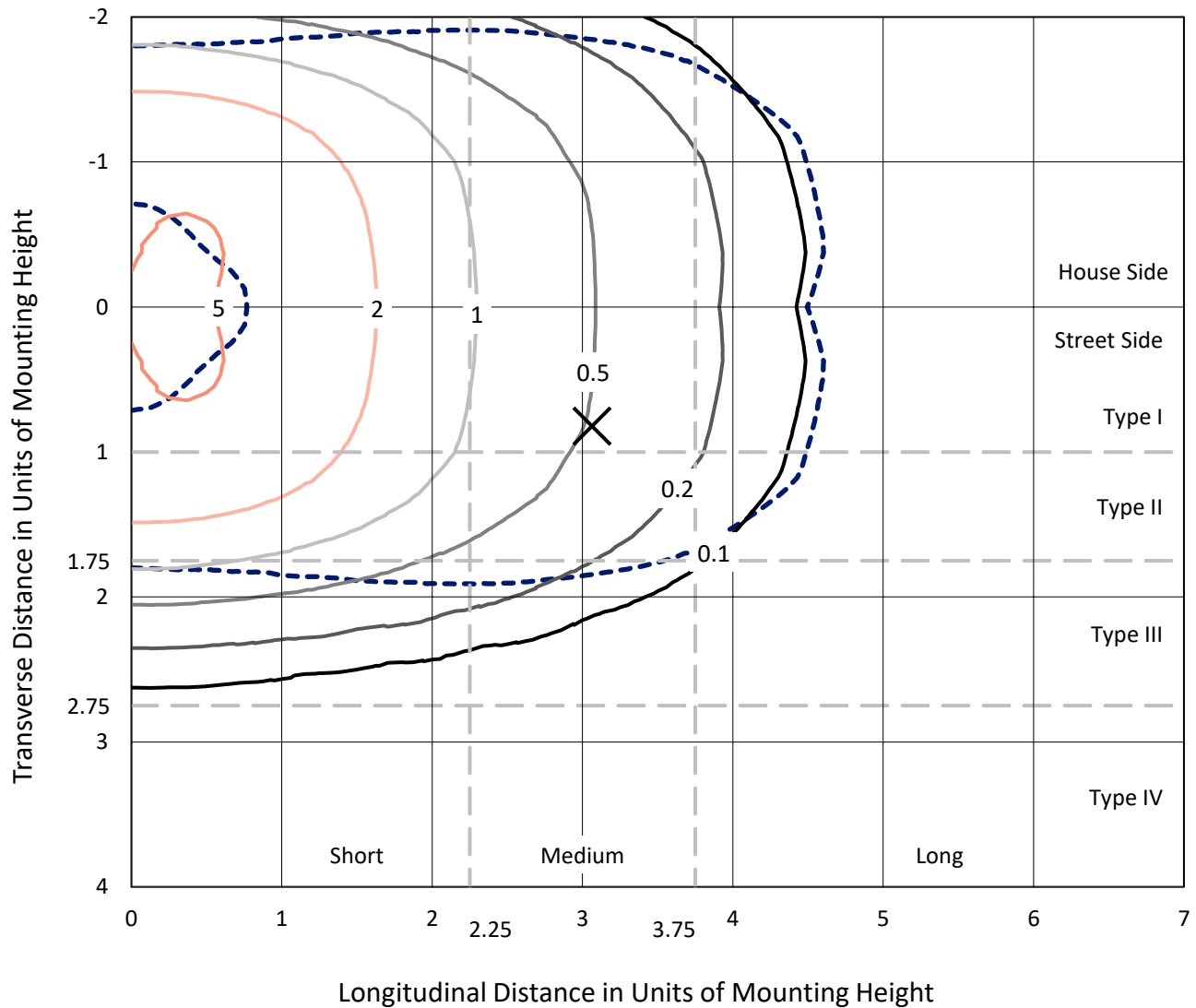


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## Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd  
--- 1/2 Max cd

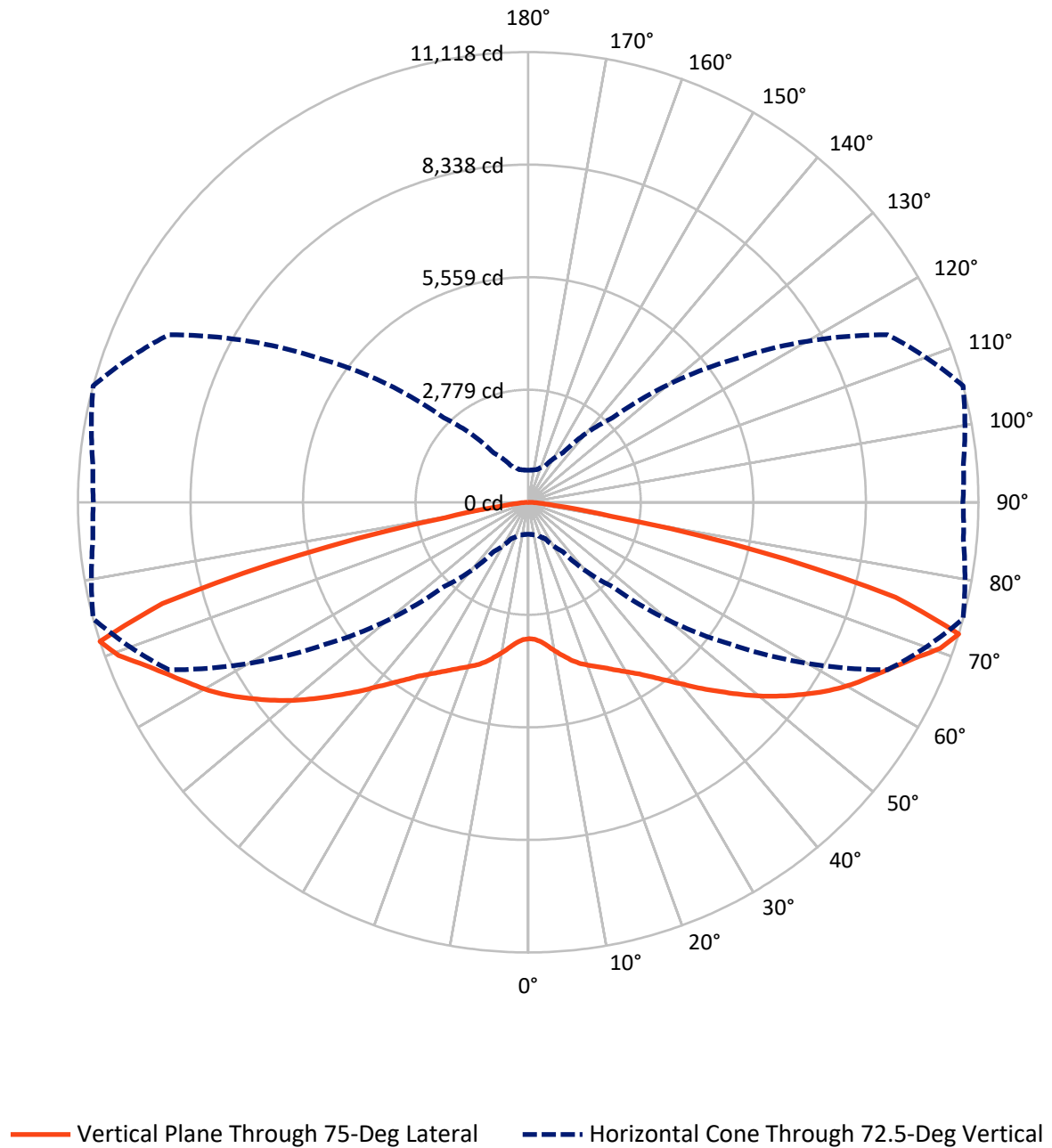


Based on 25 foot mounting height. Maximum calculated value = 5.9 fc  
Type III - Medium - N/A

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## Luminous Intensity Polar Plot



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**FLUX DISTRIBUTION:**

|                    |           | Downward | Upward | Total   |
|--------------------|-----------|----------|--------|---------|
| <b>House Side</b>  | Lumens    | 15720.0  | 0.0    | 15720.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Street Side</b> | Lumens    | 15720.0  | 0.0    | 15720.0 |
|                    | % Fixture | 50.0     | 0.0    | 50.0    |
| <b>Total</b>       | Lumens    | 31440.0  | 0.0    | 31440.0 |
|                    | % Fixture | 100.0    | 0.0    | 100.0   |

**ZONAL LUMENS:**

| Zone      | Lumens  | % Fixture |
|-----------|---------|-----------|
| 0°-10°    | 329.9   | 1.0       |
| 10°-20°   | 1088.1  | 3.5       |
| 20°-30°   | 2102.5  | 6.7       |
| 30°-40°   | 3550.2  | 11.3      |
| 40°-50°   | 5630.2  | 17.9      |
| 50°-60°   | 7538.2  | 24.0      |
| 60°-70°   | 7174.0  | 22.8      |
| 70°-80°   | 3743.5  | 11.9      |
| 80°-90°   | 283.4   | 0.9       |
| 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°    | 31440.0 | 100.0     |
| 0°-180°   | 31440.0 | 100.0     |

**Coefficient of Utilization**



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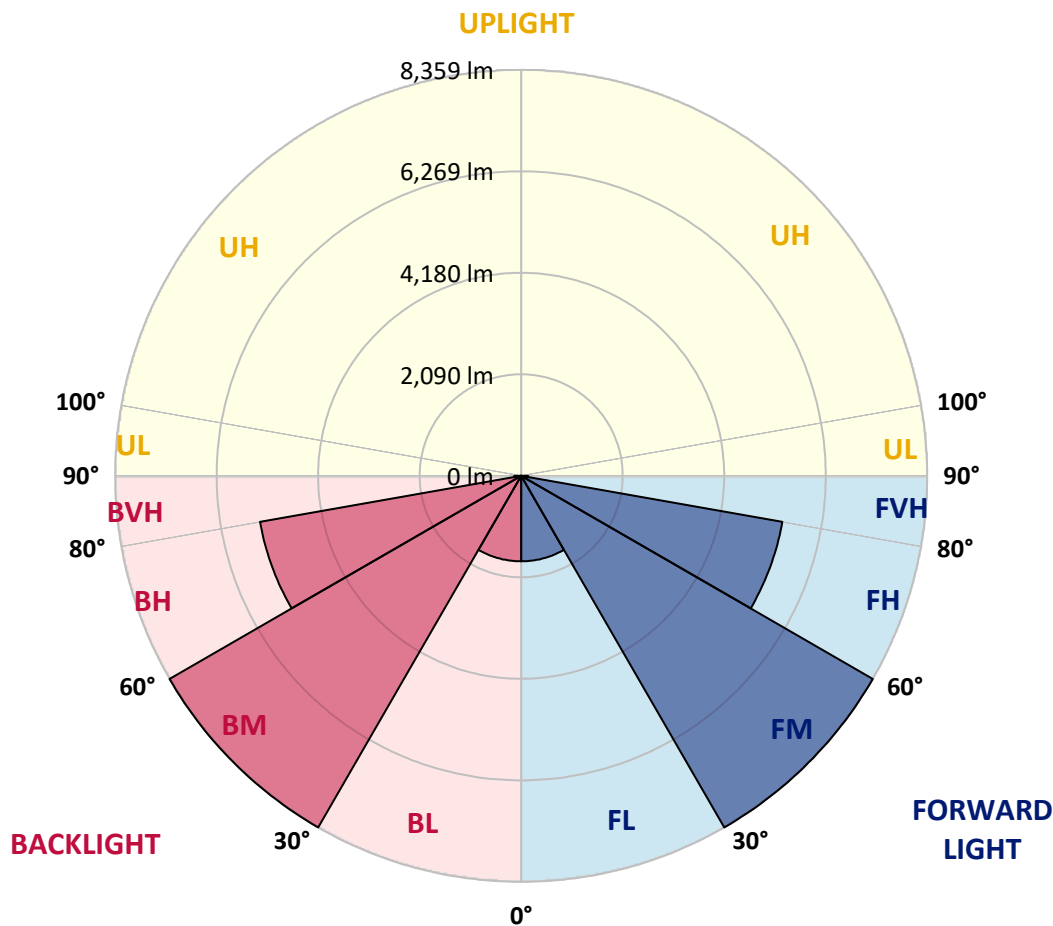
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

| Zone |             | Lumens | % Fixture | Zone Rating/Lumen Limit |      |         |
|------|-------------|--------|-----------|-------------------------|------|---------|
|      |             |        |           | B                       | U    | G       |
| FL   | (0°-30°)    | 1760.3 | 5.6       |                         |      |         |
| FM   | (30°-60°)   | 8359.3 | 26.6      |                         |      |         |
| FH   | (60°-80°)   | 5458.7 | 17.4      |                         |      | G3/7500 |
| FVH  | (80°-90°)   | 141.7  | 0.5       |                         |      | G2/225  |
| BL   | (0°-30°)    | 1760.3 | 5.6       | B3/2500                 |      |         |
| BM   | (30°-60°)   | 8359.3 | 26.6      | B4/8500                 |      |         |
| BH   | (60°-80°)   | 5458.7 | 17.4      | B5                      |      | G5      |
| BVH  | (80°-90°)   | 141.7  | 0.5       |                         |      | G2/225  |
| UL   | (90°-100°)  | 0.0    | 0.0       |                         | U0/0 |         |
| UH   | (100°-180°) | 0.0    | 0.0       |                         | U0/0 |         |

**BUG Rating: B5-U0-G5**

Type III Medium



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°     | 5°     | 15°    | 25°    | 35°    | 45°    | 55°     | 65°     | 75°     | 85°     | 90°     |
|-------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|---------|
| 0°    | 3367.8 | 3367.8 | 3367.8 | 3367.8 | 3367.8 | 3367.8 | 3367.8  | 3367.8  | 3367.8  | 3367.8  | 3367.8  |
| 2.5°  | 3367.8 | 3364.6 | 3367.8 | 3371.0 | 3369.4 | 3369.4 | 3377.4  | 3382.2  | 3391.9  | 3390.3  | 3388.7  |
| 5°    | 3345.3 | 3343.7 | 3356.6 | 3371.0 | 3382.2 | 3401.5 | 3425.6  | 3443.2  | 3465.7  | 3470.5  | 3470.5  |
| 7.5°  | 3334.1 | 3329.3 | 3351.7 | 3377.4 | 3412.7 | 3460.9 | 3507.4  | 3555.6  | 3594.1  | 3607.0  | 3610.2  |
| 10°   | 3342.1 | 3343.7 | 3374.2 | 3422.4 | 3478.5 | 3546.0 | 3611.8  | 3693.6  | 3748.2  | 3761.1  | 3773.9  |
| 12.5° | 3379.0 | 3375.8 | 3427.2 | 3504.2 | 3581.3 | 3666.4 | 3743.4  | 3833.3  | 3892.7  | 3923.2  | 3936.0  |
| 15°   | 3446.4 | 3440.0 | 3512.3 | 3626.2 | 3738.6 | 3838.1 | 3900.7  | 3985.8  | 4054.8  | 4093.4  | 4107.8  |
| 17.5° | 3526.7 | 3529.9 | 3624.6 | 3772.3 | 3920.0 | 4032.4 | 4091.7  | 4135.1  | 4188.1  | 4221.8  | 4237.8  |
| 20°   | 3668.0 | 3674.4 | 3780.3 | 3955.3 | 4123.9 | 4252.3 | 4300.4  | 4284.4  | 4298.8  | 4324.5  | 4343.8  |
| 22.5° | 3857.4 | 3860.6 | 3979.4 | 4168.8 | 4345.4 | 4486.6 | 4518.7  | 4452.9  | 4412.8  | 4430.5  | 4443.3  |
| 25°   | 4077.3 | 4098.2 | 4217.0 | 4411.2 | 4592.6 | 4727.4 | 4741.9  | 4642.3  | 4542.8  | 4547.6  | 4555.7  |
| 27.5° | 4345.4 | 4364.6 | 4485.0 | 4677.7 | 4862.3 | 4979.4 | 4977.8  | 4844.6  | 4698.5  | 4661.6  | 4672.8  |
| 30°   | 4635.9 | 4656.8 | 4780.4 | 4979.4 | 5151.2 | 5253.9 | 5231.5  | 5072.5  | 4863.9  | 4794.8  | 4802.9  |
| 32.5° | 4981.0 | 4993.9 | 5119.1 | 5318.1 | 5477.1 | 5558.9 | 5512.4  | 5316.5  | 5056.5  | 4977.8  | 4997.1  |
| 35°   | 5398.4 | 5417.7 | 5510.8 | 5698.6 | 5838.2 | 5905.7 | 5827.0  | 5595.9  | 5303.7  | 5215.4  | 5228.3  |
| 37.5° | 5875.2 | 5862.3 | 5968.3 | 6135.2 | 6250.8 | 6292.5 | 6185.0  | 5910.5  | 5586.2  | 5481.9  | 5501.1  |
| 40°   | 6372.8 | 6366.4 | 6481.9 | 6642.5 | 6705.1 | 6730.8 | 6571.8  | 6271.7  | 5912.1  | 5799.7  | 5836.6  |
| 42.5° | 6823.9 | 6819.0 | 6974.8 | 7152.9 | 7228.4 | 7199.5 | 6998.8  | 6655.3  | 6289.3  | 6160.9  | 6193.0  |
| 45°   | 7185.0 | 7178.6 | 7369.6 | 7620.1 | 7767.7 | 7719.6 | 7449.9  | 7079.1  | 6671.4  | 6538.1  | 6568.6  |
| 47.5° | 7462.7 | 7466.0 | 7671.4 | 7981.2 | 8239.7 | 8257.3 | 7910.6  | 7510.9  | 7091.9  | 6941.0  | 6986.0  |
| 50°   | 7663.4 | 7673.0 | 7892.9 | 8236.5 | 8589.6 | 8745.3 | 8380.9  | 7953.9  | 7527.0  | 7356.8  | 7408.2  |
| 52.5° | 7713.2 | 7730.8 | 7995.7 | 8398.6 | 8814.4 | 9111.3 | 8859.3  | 8379.3  | 7939.5  | 7777.4  | 7819.1  |
| 55°   | 7448.3 | 7483.6 | 7819.1 | 8385.8 | 8952.4 | 9352.1 | 9279.9  | 8811.1  | 8355.3  | 8188.3  | 8234.9  |
| 57.5° | 6839.9 | 6889.7 | 7281.4 | 8021.4 | 8921.9 | 9517.4 | 9605.7  | 9225.3  | 8771.0  | 8610.5  | 8647.4  |
| 60°   | 5987.5 | 6046.9 | 6422.6 | 7230.0 | 8491.7 | 9578.4 | 9835.3  | 9628.2  | 9153.1  | 8997.4  | 9031.1  |
| 62.5° | 4701.7 | 4778.8 | 5228.3 | 6175.3 | 7583.1 | 9294.3 | 10031.1 | 9992.6  | 9496.6  | 9302.3  | 9324.8  |
| 65°   | 3016.2 | 3098.1 | 3571.7 | 4690.5 | 6371.2 | 8424.3 | 10092.1 | 10347.4 | 9859.4  | 9588.1  | 9621.8  |
| 67.5° | 1818.7 | 1855.7 | 2090.0 | 2842.9 | 4656.8 | 7112.8 | 9575.2  | 10740.6 | 10283.1 | 9946.0  | 9971.7  |
| 70°   | 1163.8 | 1184.7 | 1324.3 | 1669.4 | 2632.6 | 5189.7 | 8294.3  | 10814.5 | 10796.8 | 10313.6 | 10310.4 |
| 72.5° | 789.8  | 796.2  | 833.1  | 988.8  | 1489.7 | 2948.8 | 6117.6  | 9790.3  | 11117.9 | 10787.2 | 10735.8 |
| 75°   | 577.9  | 613.2  | 672.6  | 699.9  | 846.0  | 1473.6 | 3505.8  | 6878.4  | 9369.8  | 9514.2  | 9164.3  |
| 77.5° | 430.2  | 431.8  | 513.7  | 545.8  | 603.6  | 785.0  | 1483.2  | 3839.7  | 5817.4  | 6107.9  | 5448.2  |
| 80°   | 364.4  | 345.1  | 343.5  | 439.8  | 454.3  | 489.6  | 663.0   | 1325.9  | 2083.6  | 1263.3  | 955.1   |
| 82.5° | 303.4  | 282.5  | 255.2  | 343.5  | 309.8  | 300.2  | 287.3   | 539.4   | 663.0   | 325.9   | 277.7   |
| 85°   | 211.9  | 202.3  | 192.6  | 224.7  | 176.6  | 150.9  | 138.1   | 252.0   | 279.3   | 138.1   | 122.0   |
| 87.5° | 91.5   | 94.7   | 96.3   | 99.5   | 73.8   | 53.0   | 53.0    | 70.6    | 70.6    | 54.6    | 40.1    |
| 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)