

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: P295433

Luminaire Tested: **TCRS8S(7040-7050)-VISOR**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P295433
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-1903-222-2)
Test Lab: INNOVATION CENTER(G3)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: LUMARK
Catalog Number: TCRS8S(7040-7050)-VISOR
Description: TRACER SMALL, VISOR NEMA 3x3
Light Source: (6) 4000K&5000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 797.2 lumens
Efficiency: N/A
Efficacy: 99.6 lumens/watt
Luminous Opening: Circular (Dia: 0.17' x H: 0')
IES Classification: Type I - Short - Full Cutoff
BUG Rating: B1 - U0 - G0

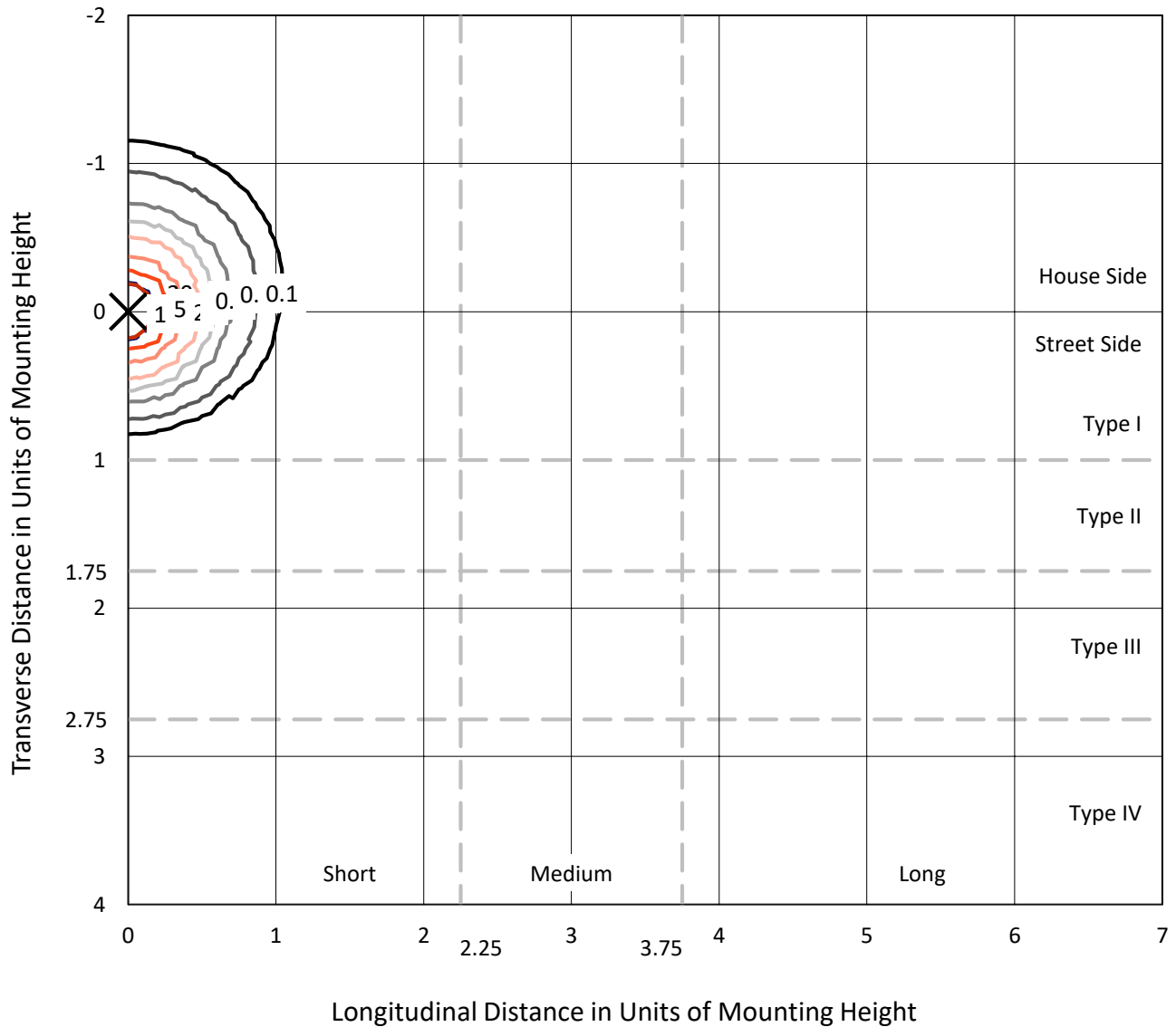
Input Watts (W): 8
Input Voltage (V): 120
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Iso-Footcandle Lines of Horizontal Illumination

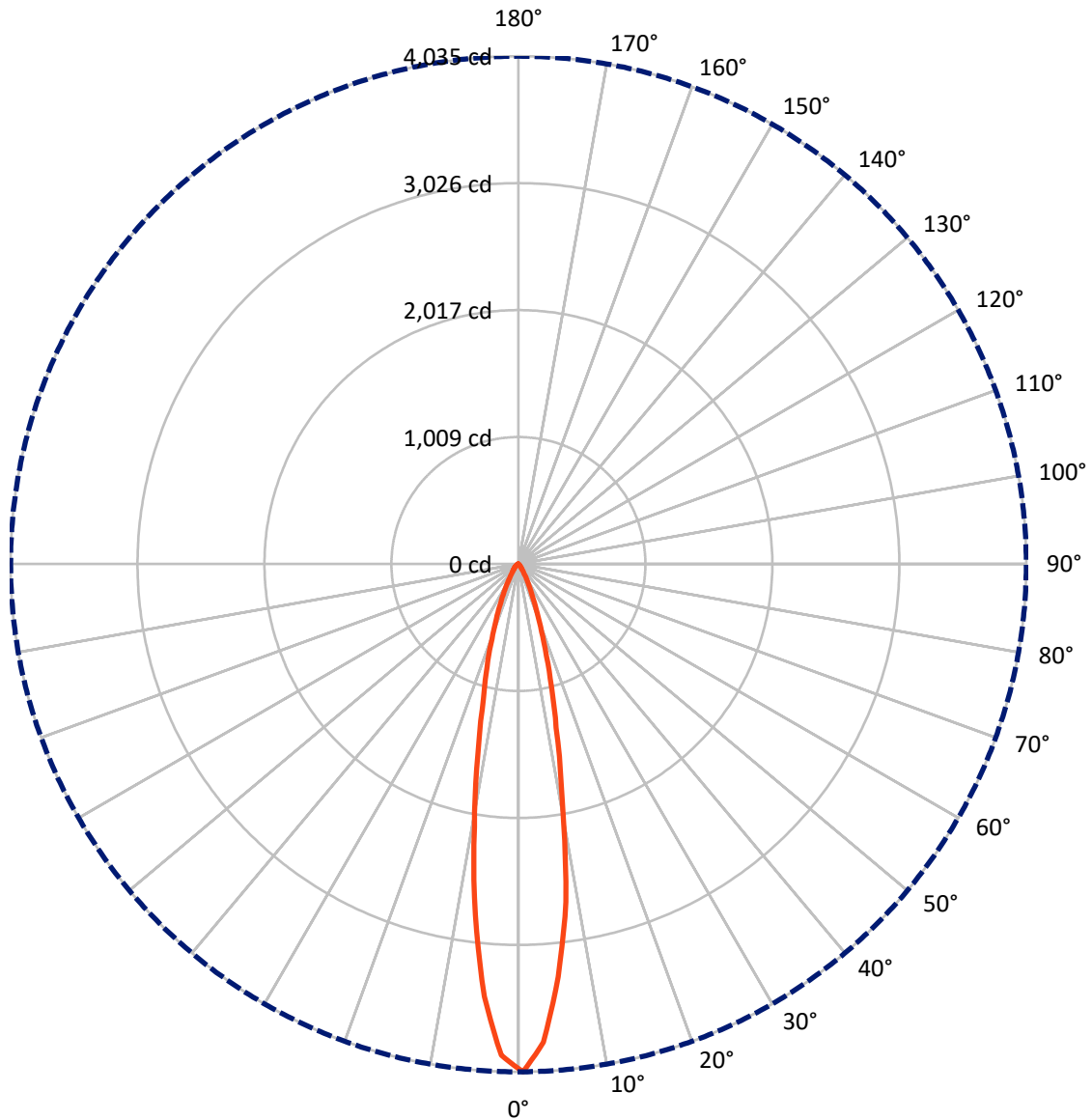
✕ Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 40.3 fc
 Type I - Short - Full Cutoff

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Luminous Intensity Polar Plot



— Vertical Plane Through 0-Deg Lateral - - - Horizontal Cone Through 0-Deg Vertical

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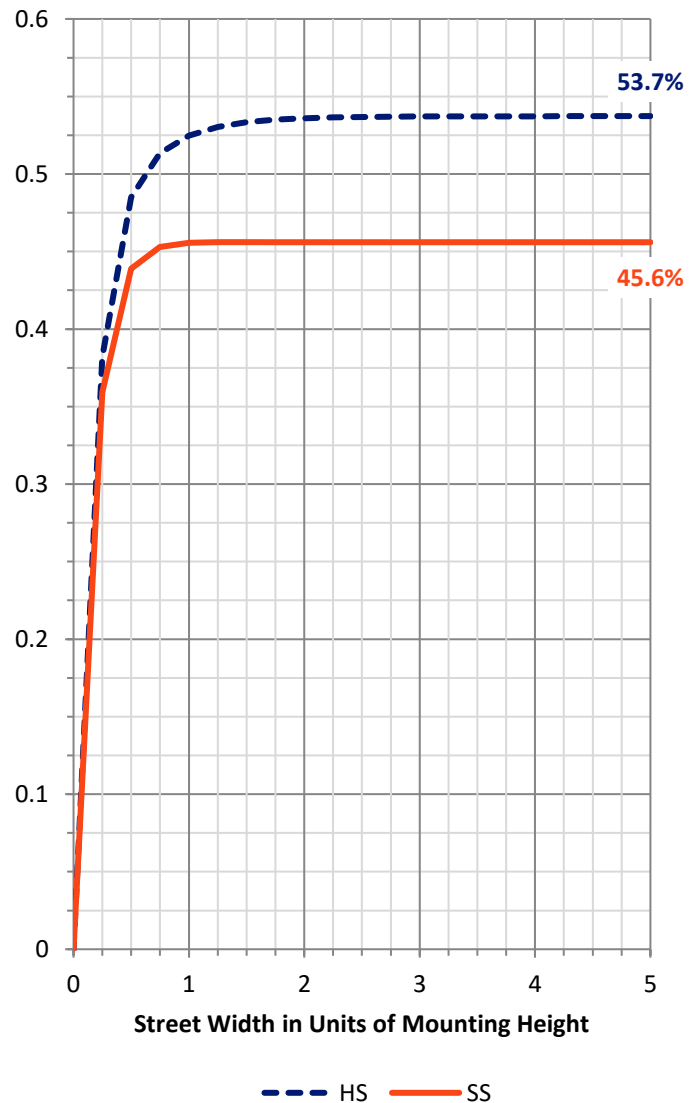
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|-------|
| House Side | Lumens | 434.5 | 0.0 | 434.5 |
| | % Fixture | 54.5 | 0.0 | 54.5 |
| Street Side | Lumens | 362.7 | 0.0 | 362.7 |
| | % Fixture | 45.5 | 0.0 | 45.5 |
| Total | Lumens | 797.2 | 0.0 | 797.2 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 279.7 | 35.1 |
| 10°-20° | 298.0 | 37.4 |
| 20°-30° | 131.4 | 16.5 |
| 30°-40° | 49.8 | 6.3 |
| 40°-50° | 22.7 | 2.8 |
| 50°-60° | 11.0 | 1.4 |
| 60°-70° | 3.9 | 0.5 |
| 70°-80° | 0.5 | 0.1 |
| 80°-90° | 0.1 | 0.0 |
| 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° | 797.2 | 100.0 |
| 0°-180° | 797.2 | 100.0 |



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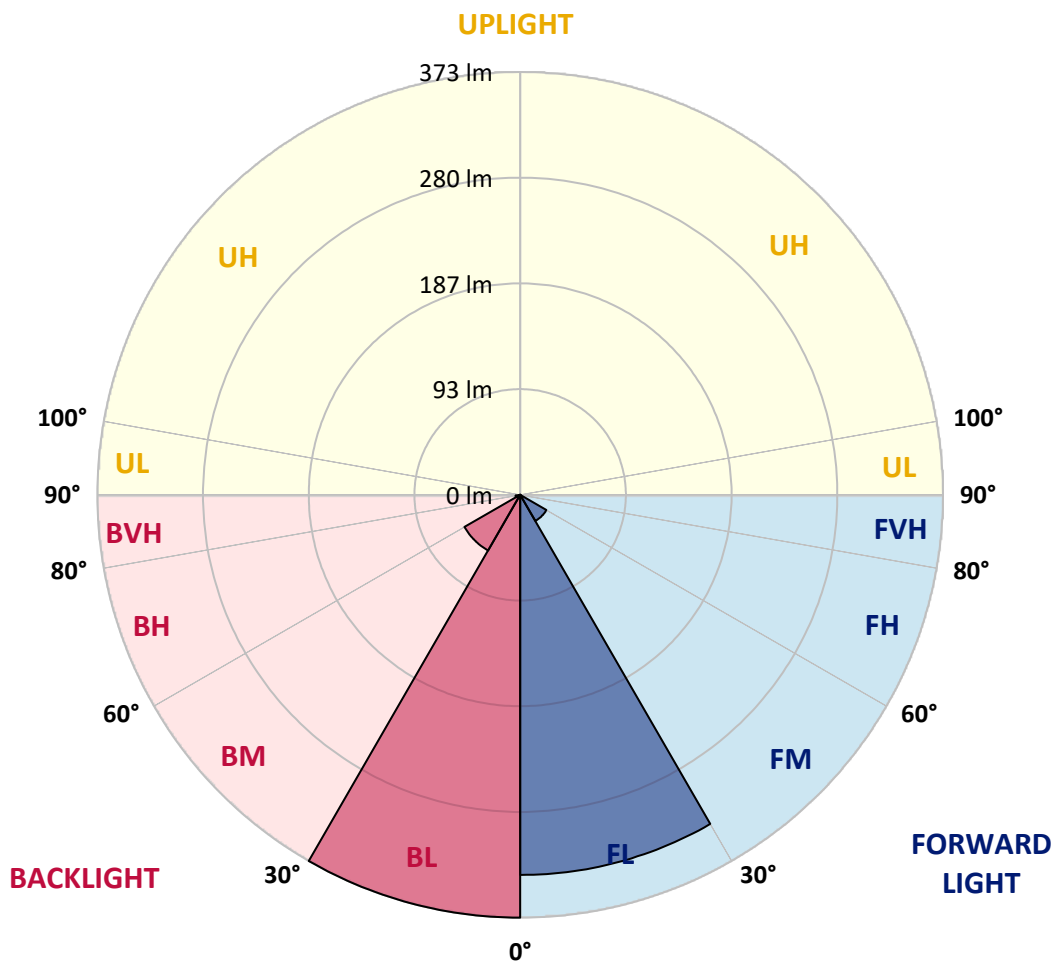
CATALOG NUMBER: TCRS8S(7040-7050)-VISOR

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|------|-------------|--------|-----------|-------------------------|------|--------|
| | | | | B | U | G |
| FL | (0°-30°) | 335.7 | 42.1 | | | |
| FM | (30°-60°) | 26.7 | 3.3 | | | |
| FH | (60°-80°) | 0.3 | 0.0 | | | G0/660 |
| FVH | (80°-90°) | 0.0 | 0.0 | | | G0/10 |
| BL | (0°-30°) | 373.4 | 46.8 | B1/500 | | |
| BM | (30°-60°) | 56.8 | 7.1 | B0/220 | | |
| BH | (60°-80°) | 4.1 | 0.5 | B0/110 | | G0/110 |
| BVH | (80°-90°) | 0.1 | 0.0 | | | G0/10 |
| UL | (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH | (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B1-U0-G0

Type I Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 22.5° | 45° | 67.5° | 90° | 112.5° | 135° | 157.5° | 180° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 4034.9 | 4034.9 | 4034.9 | 4034.9 | 4034.9 | 4034.9 | 4034.9 | 4034.9 | 4034.9 |
| 2.5° | 3804.6 | 3856.4 | 3862.5 | 3864.5 | 3888.8 | 3881.7 | 3901.0 | 3847.2 | 3904.1 |
| 5° | 3293.3 | 3348.1 | 3402.9 | 3350.1 | 3398.8 | 3430.3 | 3403.9 | 3443.4 | 3445.5 |
| 7.5° | 2710.9 | 2639.9 | 2685.6 | 2735.3 | 2716.0 | 2773.8 | 2805.3 | 2776.9 | 2811.4 |
| 10° | 1905.4 | 1936.8 | 1972.3 | 2027.1 | 2008.8 | 2064.6 | 2118.4 | 2133.6 | 2119.4 |
| 12.5° | 1334.2 | 1376.8 | 1399.1 | 1434.6 | 1456.9 | 1471.1 | 1559.4 | 1535.0 | 1544.2 |
| 15° | 945.6 | 931.4 | 979.1 | 988.2 | 1012.5 | 1058.2 | 1098.8 | 1113.0 | 1104.9 |
| 17.5° | 646.3 | 666.6 | 678.7 | 695.0 | 747.7 | 771.1 | 801.5 | 794.4 | 852.2 |
| 20° | 447.4 | 449.5 | 477.9 | 499.2 | 542.8 | 568.2 | 588.4 | 593.5 | 630.0 |
| 22.5° | 301.3 | 302.3 | 330.7 | 360.2 | 383.5 | 412.9 | 422.1 | 440.3 | 466.7 |
| 25° | 216.1 | 206.0 | 223.2 | 255.7 | 285.1 | 301.3 | 308.4 | 318.6 | 347.0 |
| 27.5° | 144.1 | 136.0 | 141.0 | 178.6 | 208.0 | 221.2 | 225.2 | 238.4 | 254.7 |
| 30° | 92.3 | 93.3 | 95.4 | 122.8 | 153.2 | 161.3 | 165.4 | 171.5 | 183.6 |
| 32.5° | 58.8 | 62.9 | 71.0 | 84.2 | 111.6 | 121.7 | 124.8 | 127.8 | 137.0 |
| 35° | 39.6 | 42.6 | 54.8 | 63.9 | 84.2 | 93.3 | 95.4 | 98.4 | 105.5 |
| 37.5° | 26.4 | 29.4 | 38.6 | 49.7 | 62.9 | 73.0 | 76.1 | 76.1 | 79.1 |
| 40° | 18.3 | 20.3 | 27.4 | 39.6 | 48.7 | 57.8 | 60.9 | 61.9 | 63.9 |
| 42.5° | 13.2 | 13.2 | 18.3 | 31.5 | 38.6 | 46.7 | 50.7 | 51.7 | 53.8 |
| 45° | 7.1 | 8.1 | 13.2 | 24.3 | 30.4 | 38.6 | 42.6 | 44.6 | 45.7 |
| 47.5° | 2.0 | 4.1 | 9.1 | 17.2 | 25.4 | 32.5 | 36.5 | 38.6 | 38.6 |
| 50° | 1.0 | 1.0 | 5.1 | 12.2 | 21.3 | 27.4 | 31.5 | 32.5 | 33.5 |
| 52.5° | 0.0 | 1.0 | 3.0 | 8.1 | 16.2 | 22.3 | 26.4 | 27.4 | 28.4 |
| 55° | 0.0 | 0.0 | 1.0 | 6.1 | 13.2 | 19.3 | 21.3 | 23.3 | 23.3 |
| 57.5° | 0.0 | 0.0 | 1.0 | 4.1 | 10.1 | 15.2 | 18.3 | 19.3 | 19.3 |
| 60° | 0.0 | 0.0 | 0.0 | 3.0 | 7.1 | 11.2 | 14.2 | 15.2 | 16.2 |
| 62.5° | 0.0 | 0.0 | 0.0 | 1.0 | 5.1 | 8.1 | 11.2 | 11.2 | 13.2 |
| 65° | 0.0 | 0.0 | 0.0 | 1.0 | 3.0 | 5.1 | 8.1 | 9.1 | 9.1 |
| 67.5° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 3.0 | 5.1 | 6.1 | 6.1 |
| 70° | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 2.0 | 3.0 | 4.1 | 4.1 |
| 72.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 2.0 | 2.0 |
| 75° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 | 1.0 |
| 77.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 80° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 82.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 85° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 | 1.0 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 1.0 |
| 90° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 |

(END OF REPORT)