

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: P527757

Luminaire Tested: **GLAN-SA2D-740-U-5WQ-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P527757
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-1)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA2D-740-U-5WQ-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 4000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE V WIDE OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8115 lumens
Efficiency: N/A
Efficacy: 64.9 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type V - Short
BUG Rating: B3 - U0 - G0

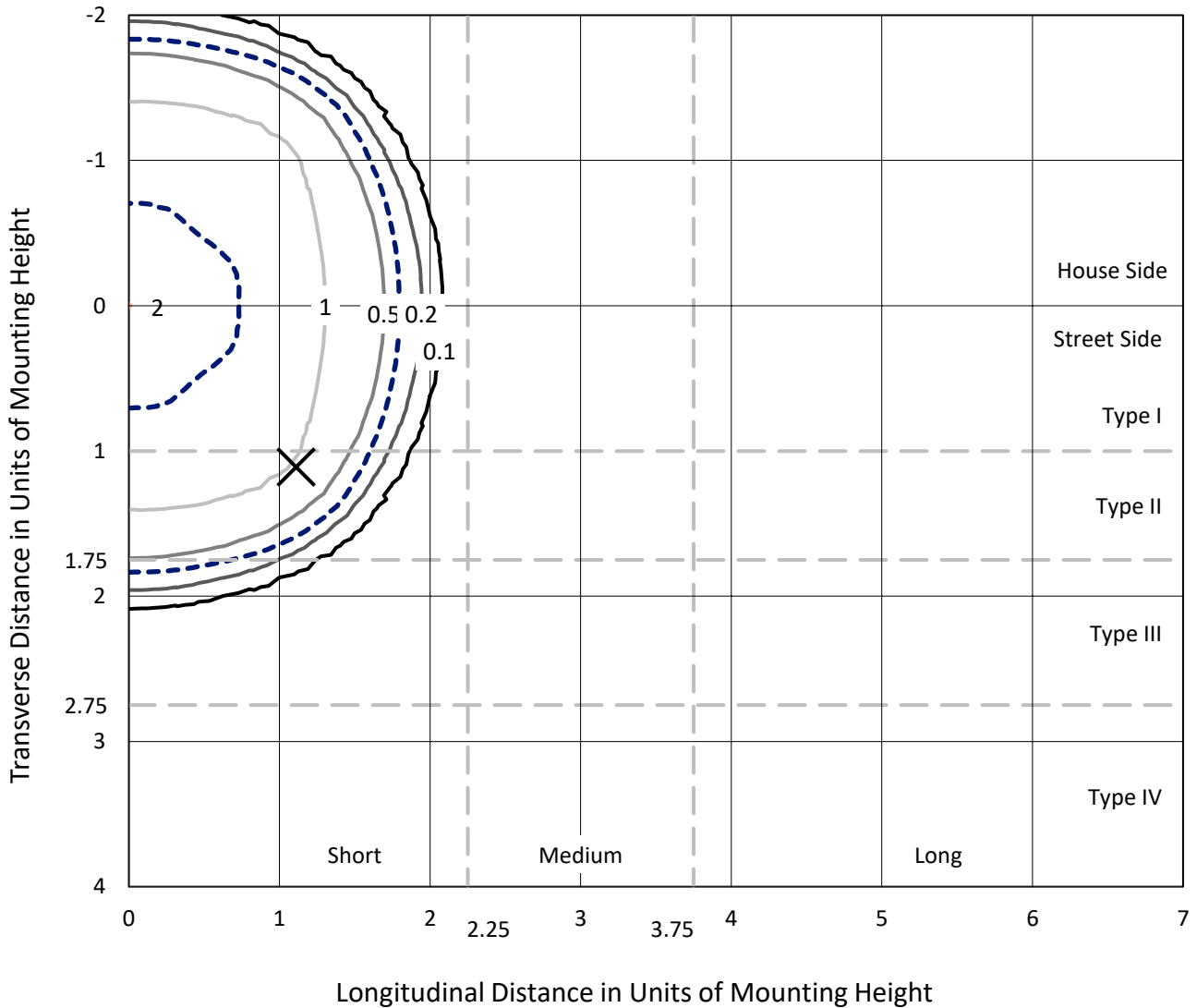
Input Watts (W): 125
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

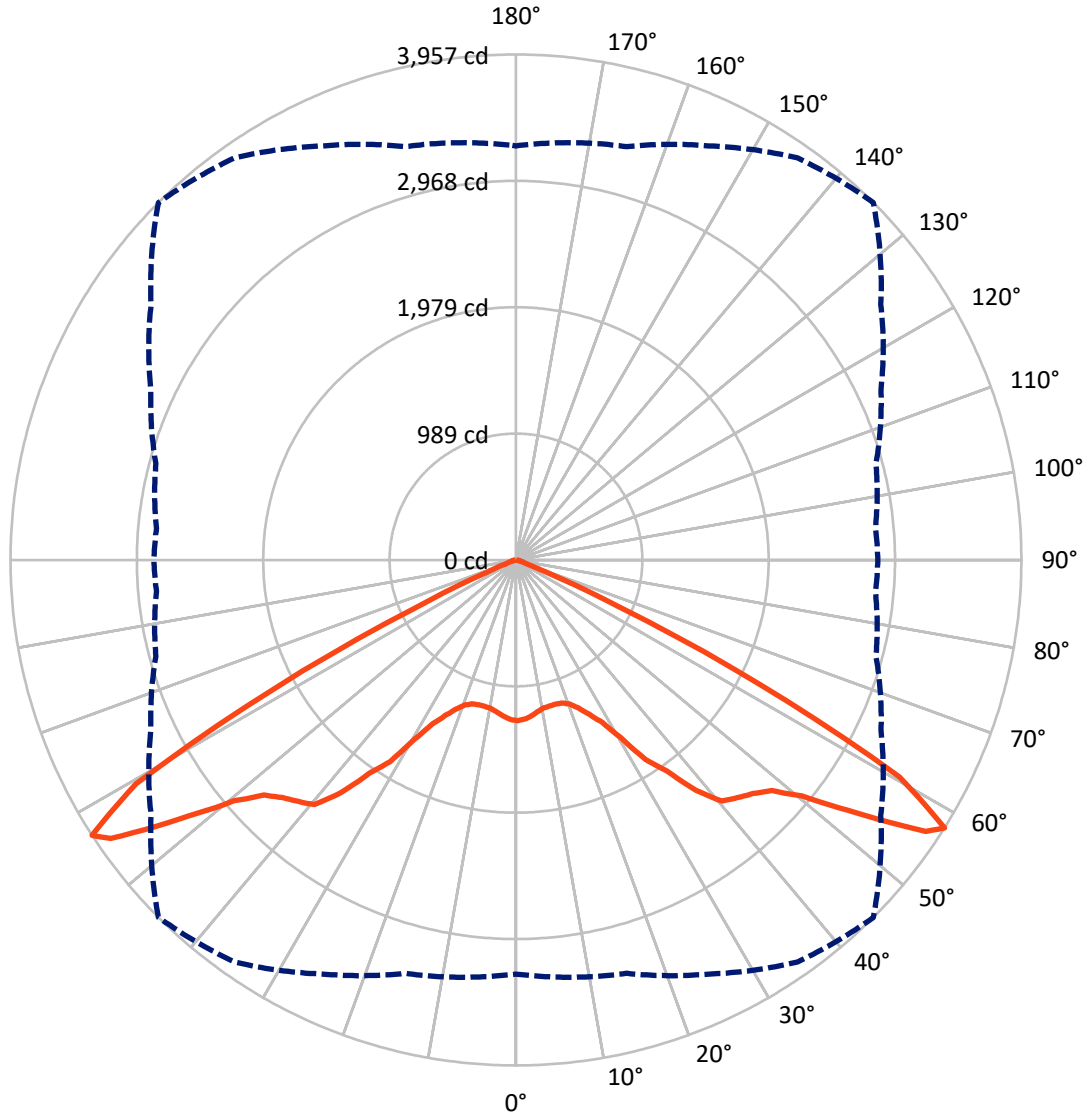
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 2 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 45-Deg Lateral - - - Horizontal Cone Through 57.5-Deg Vertical

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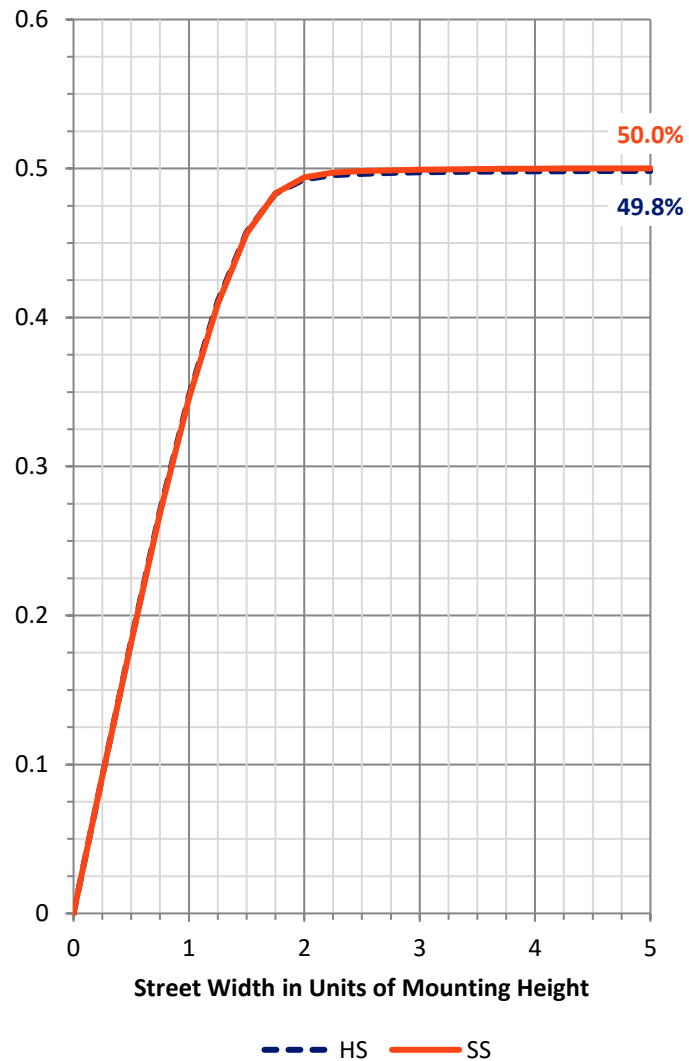
FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|--------|
| House Side | Lumens | 4057.5 | 0.0 | 4057.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 4057.5 | 0.0 | 4057.5 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 8115.0 | 0.0 | 8115.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10° | 115.7 | 1.4 |
| 10°-20° | 334.3 | 4.1 |
| 20°-30° | 617.1 | 7.6 |
| 30°-40° | 1213.7 | 15.0 |
| 40°-50° | 1976.8 | 24.4 |
| 50°-60° | 2819.1 | 34.7 |
| 60°-70° | 976.0 | 12.0 |
| 70°-80° | 52.4 | 0.6 |
| 80°-90° | 9.8 | 0.1 |
| 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° | 8115.0 | 100.0 |
| 0°-180° | 8115.0 | 100.0 |

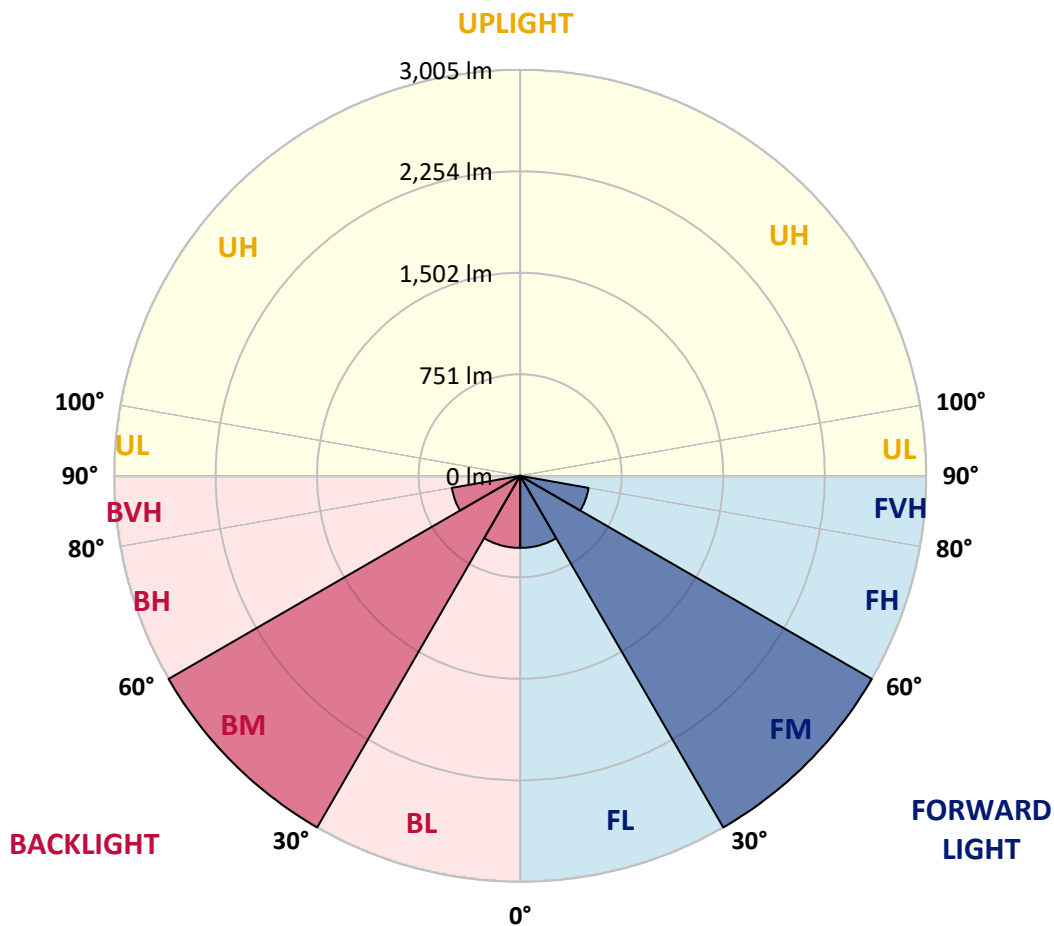


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|--------|-----------|-------------------------|------|--------|
| | | | B | U | G |
| FL (0°-30°) | 533.6 | 6.6 | | | |
| FM (30°-60°) | 3004.8 | 37.0 | | | |
| FH (60°-80°) | 514.2 | 6.3 | | | G0/660 |
| FVH (80°-90°) | 4.9 | 0.1 | | | G0/10 |
| BL (0°-30°) | 533.6 | 6.6 | B2/1000 | | |
| BM (30°-60°) | 3004.8 | 37.0 | B3/5000 | | |
| BH (60°-80°) | 514.2 | 6.3 | B2/1000 | | G0/660 |
| BVH (80°-90°) | 4.9 | 0.1 | | | G0/10 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B3-U0-G0
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| 0° | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 | 1258.7 |
| 2.5° | 1255.3 | 1262.1 | 1253.6 | 1250.3 | 1248.6 | 1248.6 | 1243.5 | 1243.5 | 1241.8 | 1243.5 | 1236.7 |
| 5° | 1235.0 | 1241.8 | 1241.8 | 1240.1 | 1230.0 | 1228.3 | 1223.2 | 1219.8 | 1221.5 | 1214.7 | 1219.8 |
| 7.5° | 1214.7 | 1219.8 | 1213.0 | 1211.4 | 1208.0 | 1201.2 | 1199.5 | 1184.3 | 1186.0 | 1186.0 | 1189.4 |
| 10° | 1211.4 | 1209.7 | 1199.5 | 1191.0 | 1180.9 | 1179.2 | 1174.1 | 1170.7 | 1170.7 | 1169.1 | 1174.1 |
| 12.5° | 1211.4 | 1202.9 | 1201.2 | 1182.6 | 1165.7 | 1172.4 | 1158.9 | 1150.4 | 1162.3 | 1165.7 | 1172.4 |
| 15° | 1209.7 | 1218.1 | 1189.4 | 1180.9 | 1169.1 | 1170.7 | 1158.9 | 1150.4 | 1157.2 | 1160.6 | 1165.7 |
| 17.5° | 1219.8 | 1214.7 | 1206.3 | 1189.4 | 1184.3 | 1177.5 | 1162.3 | 1155.5 | 1155.5 | 1164.0 | 1165.7 |
| 20° | 1246.9 | 1233.3 | 1216.4 | 1208.0 | 1213.0 | 1204.6 | 1186.0 | 1160.6 | 1167.4 | 1174.1 | 1179.2 |
| 22.5° | 1272.3 | 1262.1 | 1250.3 | 1245.2 | 1273.9 | 1260.4 | 1228.3 | 1199.5 | 1189.4 | 1201.2 | 1209.7 |
| 25° | 1321.3 | 1321.3 | 1299.3 | 1306.1 | 1338.2 | 1339.9 | 1302.7 | 1252.0 | 1245.2 | 1250.3 | 1253.6 |
| 27.5° | 1421.1 | 1426.2 | 1407.6 | 1414.4 | 1427.9 | 1439.7 | 1407.6 | 1365.3 | 1350.1 | 1348.4 | 1353.5 |
| 30° | 1529.4 | 1539.6 | 1537.9 | 1566.6 | 1605.5 | 1612.3 | 1564.9 | 1495.6 | 1449.9 | 1441.4 | 1448.2 |
| 32.5° | 1671.5 | 1676.6 | 1673.2 | 1707.1 | 1811.9 | 1861.0 | 1737.5 | 1639.4 | 1578.5 | 1593.7 | 1578.5 |
| 35° | 1938.8 | 1933.8 | 1896.5 | 1903.3 | 1989.6 | 2025.1 | 1906.7 | 1844.1 | 1815.3 | 1845.8 | 1839.0 |
| 37.5° | 2168.9 | 2150.3 | 2119.9 | 2163.9 | 2253.5 | 2285.7 | 2162.2 | 2052.2 | 1999.7 | 2050.5 | 2072.5 |
| 40° | 2363.5 | 2316.1 | 2273.8 | 2317.8 | 2437.9 | 2481.9 | 2300.9 | 2211.2 | 2190.9 | 2228.1 | 2275.5 |
| 42.5° | 2527.6 | 2497.1 | 2441.3 | 2444.7 | 2524.2 | 2544.5 | 2399.0 | 2346.6 | 2326.3 | 2385.5 | 2409.2 |
| 45° | 2644.3 | 2615.6 | 2563.1 | 2559.7 | 2620.6 | 2607.1 | 2476.8 | 2441.3 | 2453.2 | 2492.1 | 2503.9 |
| 47.5° | 2703.5 | 2718.8 | 2688.3 | 2696.8 | 2728.9 | 2696.8 | 2593.6 | 2593.6 | 2566.5 | 2590.2 | 2578.3 |
| 50° | 2874.4 | 2827.0 | 2866.0 | 2866.0 | 2899.8 | 2903.2 | 2800.0 | 2762.8 | 2690.0 | 2649.4 | 2649.4 |
| 52.5° | 3074.1 | 3077.4 | 3092.7 | 3148.5 | 3206.0 | 3255.1 | 3107.9 | 2948.9 | 2827.0 | 2774.6 | 2767.8 |
| 55° | 3238.2 | 3272.0 | 3332.9 | 3437.8 | 3603.6 | 3671.3 | 3417.5 | 3133.3 | 2984.4 | 2903.2 | 2886.3 |
| 56° | 3327.8 | 3295.7 | 3400.6 | 3544.4 | 3760.9 | 3848.9 | 3468.3 | 3170.5 | 3006.4 | 2915.0 | 2913.3 |
| 57.5° | 3241.5 | 3277.1 | 3349.8 | 3576.5 | 3842.1 | 3957.2 | 3486.9 | 3153.6 | 2918.4 | 2825.4 | 2833.8 |
| 60° | 2559.7 | 2593.6 | 2691.7 | 2945.5 | 3361.7 | 3451.3 | 2950.6 | 2600.3 | 2390.6 | 2256.9 | 2258.6 |
| 62.5° | 1448.2 | 1473.6 | 1549.7 | 1784.9 | 2043.7 | 2130.0 | 1839.0 | 1605.5 | 1460.0 | 1385.6 | 1361.9 |
| 65° | 532.9 | 522.8 | 534.6 | 654.7 | 813.8 | 886.5 | 764.7 | 646.3 | 570.1 | 543.1 | 532.9 |
| 67.5° | 199.6 | 184.4 | 172.6 | 184.4 | 231.8 | 245.3 | 225.0 | 187.8 | 176.0 | 181.0 | 184.4 |
| 70° | 123.5 | 116.7 | 93.1 | 88.0 | 86.3 | 84.6 | 89.7 | 94.7 | 108.3 | 126.9 | 130.3 |
| 72.5° | 86.3 | 81.2 | 66.0 | 62.6 | 59.2 | 57.5 | 66.0 | 72.7 | 84.6 | 98.1 | 99.8 |
| 75° | 33.8 | 35.5 | 33.8 | 37.2 | 38.9 | 40.6 | 47.4 | 52.4 | 57.5 | 57.5 | 55.8 |
| 77.5° | 6.8 | 6.8 | 10.2 | 13.5 | 16.9 | 22.0 | 32.1 | 37.2 | 38.9 | 37.2 | 32.1 |
| 80° | 0.0 | 0.0 | 3.4 | 6.8 | 13.5 | 18.6 | 28.8 | 32.1 | 35.5 | 32.1 | 25.4 |
| 82.5° | 0.0 | 0.0 | 3.4 | 8.5 | 13.5 | 16.9 | 27.1 | 33.8 | 38.9 | 35.5 | 27.1 |
| 85° | 0.0 | 0.0 | 3.4 | 6.8 | 10.2 | 11.8 | 11.8 | 8.5 | 8.5 | 5.1 | 3.4 |
| 87.5° | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 0.0 | 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)