

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: P534080

Luminaire Tested: **GLAN-SA9C-740-U-RW-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P534080
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-8)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA9C-740-U-RW-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(9) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND RECTANGULAR
WIDE OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 55846 lumens
Efficiency: N/A
Efficacy: 116.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type V - Short
BUG Rating: B5 - U0 - G2

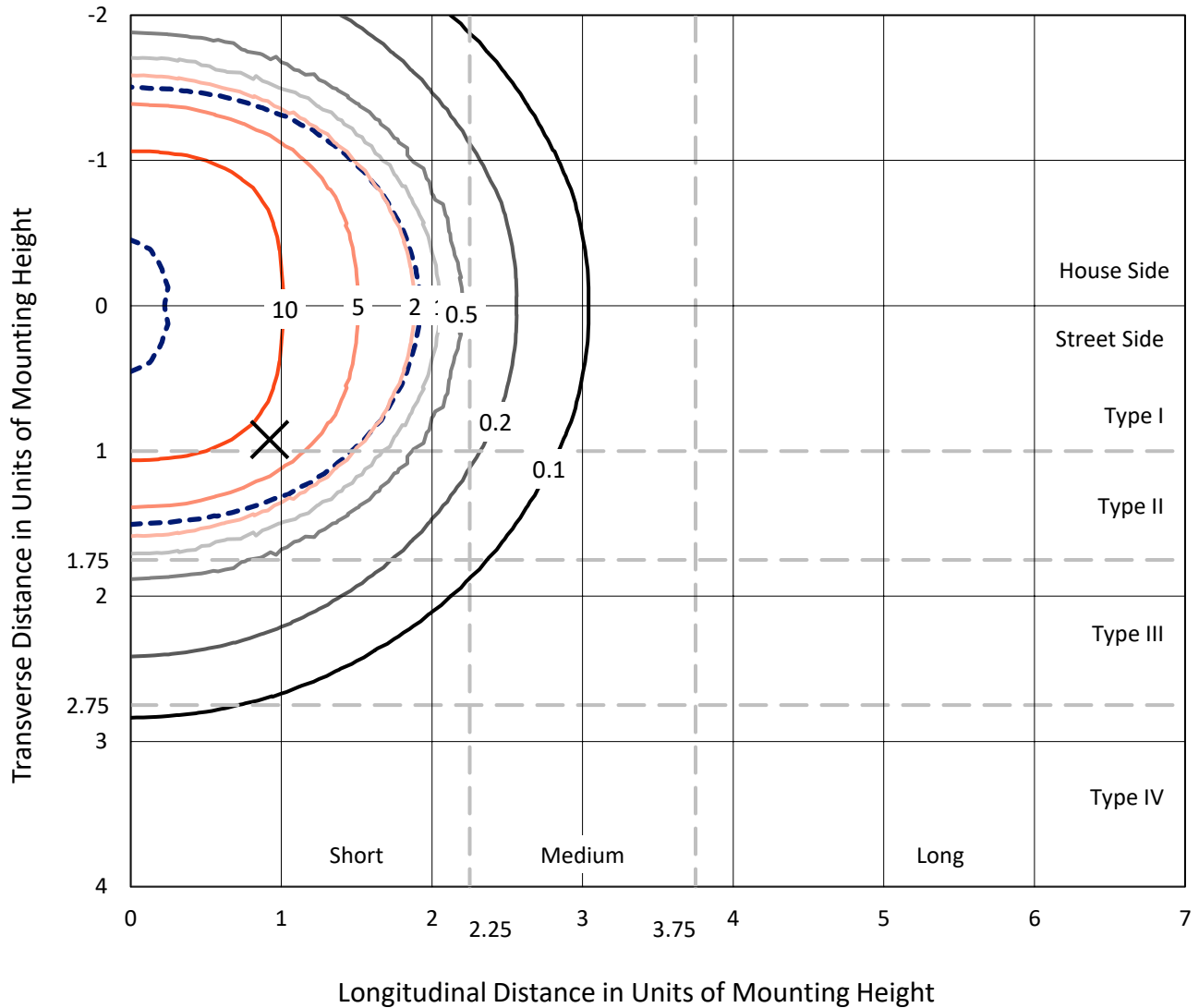
Input Watts (W): 481
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

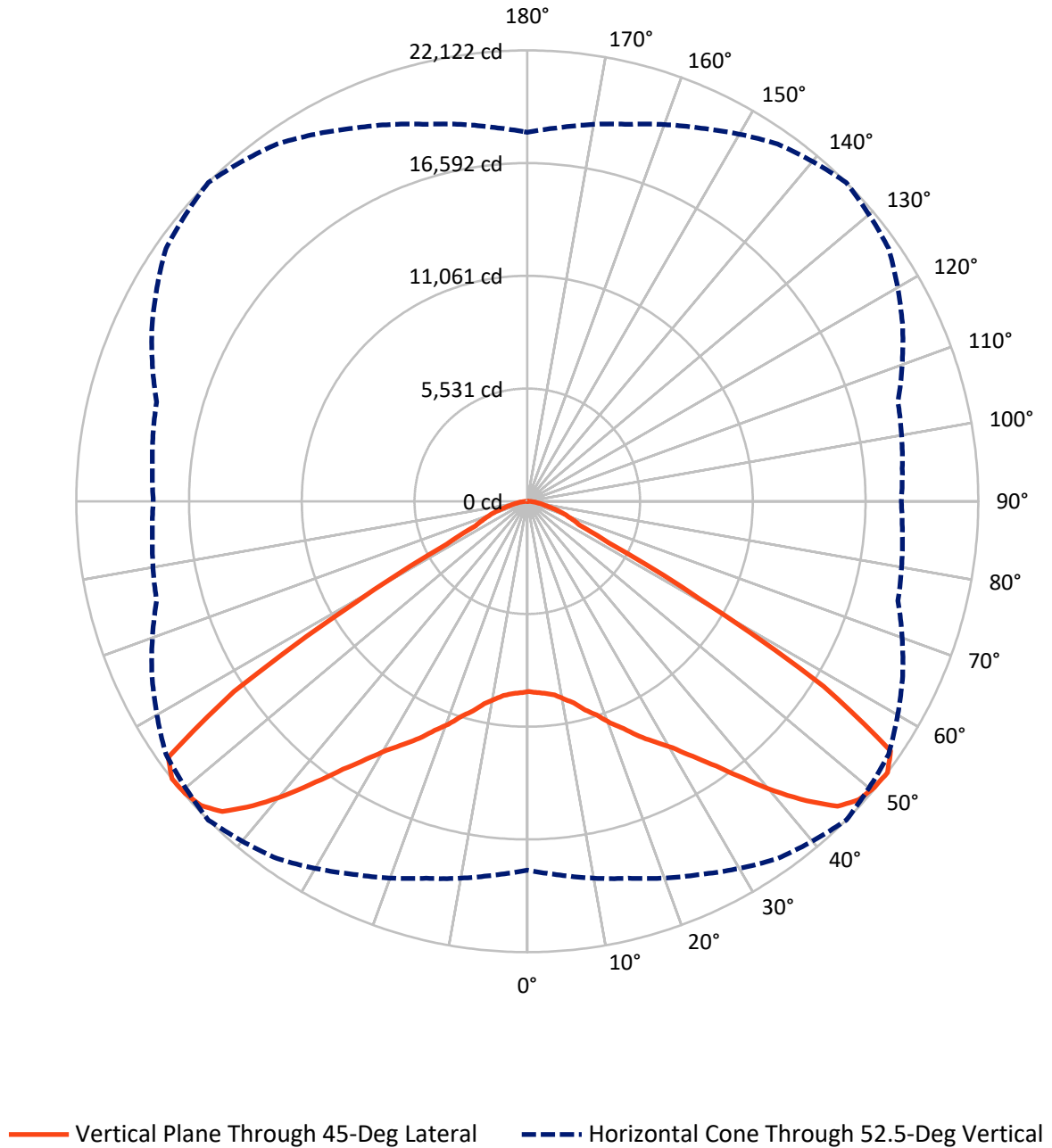
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 16.5 fc
 Type V - Short - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

| | | Downward | Upward | Total |
|--------------------|-----------|----------|--------|---------|
| House Side | Lumens | 27923.0 | 0.0 | 27923.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Street Side | Lumens | 27923.0 | 0.0 | 27923.0 |
| | % Fixture | 50.0 | 0.0 | 50.0 |
| Total | Lumens | 55846.0 | 0.0 | 55846.0 |
| | % Fixture | 100.0 | 0.0 | 100.0 |

Coefficient of Utilization

ZONAL LUMENS:

| Zone | Lumens | % Fixture |
|-----------|---------|-----------|
| 0°-10° | 917.2 | 1.6 |
| 10°-20° | 3013.8 | 5.4 |
| 20°-30° | 5737.8 | 10.3 |
| 30°-40° | 9852.2 | 17.6 |
| 40°-50° | 15143.1 | 27.1 |
| 50°-60° | 15377.6 | 27.5 |
| 60°-70° | 4285.5 | 7.7 |
| 70°-80° | 1264.2 | 2.3 |
| 80°-90° | 254.6 | 0.5 |
| 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° | 55846.0 | 100.0 |
| 0°-180° | 55846.0 | 100.0 |

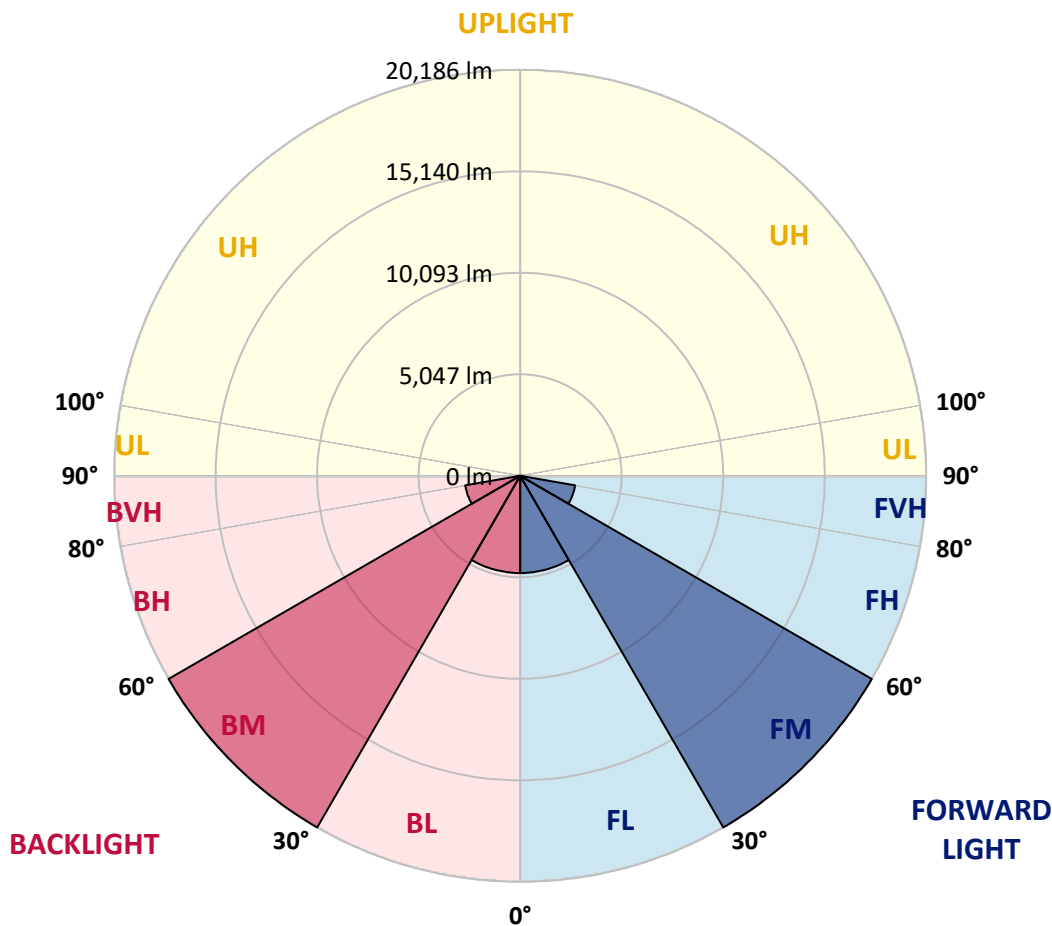


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

| Zone | Lumens | % Fixture | Zone Rating/Lumen Limit | | |
|----------------|---------|-----------|-------------------------|------|---------|
| | | | B | U | G |
| FL (0°-30°) | 4834.4 | 8.7 | | | |
| FM (30°-60°) | 20186.5 | 36.1 | | | |
| FH (60°-80°) | 2774.9 | 5.0 | | | G2/5000 |
| FVH (80°-90°) | 127.3 | 0.2 | | | G2/225 |
| BL (0°-30°) | 4834.4 | 8.7 | B4/5000 | | |
| BM (30°-60°) | 20186.5 | 36.1 | B5 | | |
| BH (60°-80°) | 2774.9 | 5.0 | B4/5000 | | G2/5000 |
| BVH (80°-90°) | 127.3 | 0.2 | | | G2/225 |
| UL (90°-100°) | 0.0 | 0.0 | | U0/0 | |
| UH (100°-180°) | 0.0 | 0.0 | | U0/0 | |

BUG Rating: B5-U0-G2
 Type V Short





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CANDELA DISTRIBUTION (FULL):

| | 0° | 5° | 15° | 25° | 35° | 45° | 55° | 65° | 75° | 85° | 90° |
|-------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
| 0° | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 | 9335.4 |
| 2.5° | 9356.2 | 9259.2 | 9293.8 | 9314.6 | 9404.7 | 9397.8 | 9377.0 | 9404.7 | 9432.4 | 9439.4 | 9425.5 |
| 5° | 9349.3 | 9280.0 | 9307.7 | 9328.5 | 9418.6 | 9467.1 | 9453.2 | 9571.0 | 9654.2 | 9633.4 | 9737.4 |
| 7.5° | 9293.8 | 9335.4 | 9300.7 | 9404.7 | 9480.9 | 9598.8 | 9723.5 | 9834.4 | 9938.3 | 10056.2 | 10077.0 |
| 10° | 9418.6 | 9418.6 | 9480.9 | 9564.1 | 9765.1 | 9855.2 | 10035.4 | 10194.8 | 10395.8 | 10534.4 | 10478.9 |
| 12.5° | 9550.2 | 9571.0 | 9571.0 | 9785.9 | 9952.2 | 10153.2 | 10319.5 | 10534.4 | 10818.5 | 10984.9 | 11068.0 |
| 15° | 9681.9 | 9695.8 | 9765.1 | 10056.2 | 10305.7 | 10624.5 | 10776.9 | 10971.0 | 11130.4 | 11442.3 | 11449.2 |
| 17.5° | 9799.7 | 9876.0 | 10083.9 | 10409.6 | 10721.5 | 11026.4 | 11269.0 | 11470.0 | 11608.6 | 11733.4 | 11705.6 |
| 20° | 10243.3 | 10298.7 | 10513.6 | 10839.3 | 11303.7 | 11601.7 | 11684.8 | 11719.5 | 11809.6 | 12059.1 | 11982.8 |
| 22.5° | 10673.0 | 10693.8 | 10894.8 | 11393.8 | 11719.5 | 12114.5 | 12204.6 | 12183.8 | 12218.5 | 12280.9 | 12391.7 |
| 25° | 11116.5 | 11151.2 | 11428.4 | 11851.2 | 12308.6 | 12779.9 | 12856.1 | 12696.7 | 12648.2 | 12717.5 | 12724.4 |
| 27.5° | 11684.8 | 11691.8 | 12045.2 | 12412.5 | 12932.3 | 13375.9 | 13493.7 | 13369.0 | 13140.2 | 13195.7 | 13285.8 |
| 30° | 12405.6 | 12357.1 | 12710.6 | 13237.3 | 13784.8 | 14034.3 | 14235.3 | 14172.9 | 13923.4 | 13874.9 | 13798.6 |
| 32.5° | 13237.3 | 13251.1 | 13569.9 | 14145.2 | 14505.6 | 14921.4 | 15136.2 | 15032.3 | 14872.9 | 14789.7 | 14838.2 |
| 35° | 14408.5 | 14470.9 | 14685.7 | 15164.0 | 15746.1 | 15954.0 | 16293.6 | 16071.8 | 15656.0 | 15760.0 | 15850.1 |
| 37.5° | 15371.9 | 15552.1 | 15954.0 | 16522.3 | 16868.9 | 17250.0 | 17374.8 | 17076.8 | 16771.8 | 16647.1 | 16945.1 |
| 40° | 16848.1 | 16792.6 | 17236.2 | 17804.5 | 18317.3 | 18698.5 | 18539.1 | 18241.1 | 17485.7 | 17492.6 | 17575.8 |
| 42.5° | 18116.3 | 18144.1 | 18483.7 | 19162.9 | 19862.8 | 20098.5 | 19592.5 | 18864.8 | 18026.3 | 17936.2 | 18116.3 |
| 45° | 19183.6 | 19294.5 | 19488.6 | 20396.5 | 21082.6 | 21339.0 | 20403.4 | 19544.0 | 18421.3 | 18047.0 | 18345.1 |
| 47.5° | 19564.8 | 19745.0 | 20167.8 | 20999.4 | 21678.6 | 21886.5 | 21138.1 | 19904.4 | 18788.6 | 18178.7 | 18338.1 |
| 50° | 19620.3 | 19557.9 | 20250.9 | 21013.3 | 21609.3 | 22059.8 | 21401.4 | 20167.8 | 18698.5 | 18379.7 | 18331.2 |
| 52.5° | 18102.5 | 18407.4 | 19149.0 | 20195.5 | 21401.4 | 22122.2 | 21637.0 | 20313.3 | 18823.3 | 18462.9 | 18345.1 |
| 55° | 14651.1 | 14290.7 | 15642.2 | 17402.5 | 19620.3 | 21623.2 | 21553.9 | 20389.6 | 18899.5 | 18601.5 | 18442.1 |
| 57.5° | 8178.0 | 8282.0 | 9044.3 | 10957.1 | 13819.4 | 17146.1 | 19162.9 | 19585.6 | 18864.8 | 18691.6 | 18774.7 |
| 60° | 3784.1 | 3818.7 | 4144.4 | 5038.5 | 6812.7 | 9723.5 | 12377.9 | 15073.9 | 16314.4 | 16563.9 | 16563.9 |
| 62.5° | 2820.7 | 2806.9 | 2890.0 | 3049.4 | 3423.7 | 4470.2 | 5967.2 | 8108.7 | 9813.6 | 11005.6 | 11317.5 |
| 65° | 2550.4 | 2543.5 | 2585.1 | 2640.5 | 2668.2 | 2813.8 | 3146.5 | 3804.8 | 4359.3 | 4678.1 | 4622.6 |
| 67.5° | 2231.6 | 2224.7 | 2238.6 | 2273.2 | 2321.7 | 2398.0 | 2481.1 | 2619.7 | 2813.8 | 2799.9 | 2765.3 |
| 70° | 1801.9 | 1801.9 | 1822.7 | 1850.4 | 1905.9 | 1996.0 | 2093.0 | 2190.0 | 2356.4 | 2391.0 | 2384.1 |
| 72.5° | 1330.7 | 1309.9 | 1351.4 | 1406.9 | 1462.3 | 1573.2 | 1677.2 | 1767.3 | 1885.1 | 1919.8 | 1905.9 |
| 75° | 845.5 | 859.4 | 887.1 | 949.5 | 1046.5 | 1122.7 | 1233.6 | 1309.9 | 1386.1 | 1413.8 | 1420.8 |
| 77.5° | 471.3 | 485.1 | 533.6 | 609.9 | 706.9 | 790.1 | 887.1 | 949.5 | 998.0 | 1004.9 | 1011.9 |
| 80° | 284.2 | 291.1 | 339.6 | 408.9 | 492.1 | 582.2 | 658.4 | 720.8 | 762.4 | 741.6 | 734.6 |
| 82.5° | 173.3 | 180.2 | 221.8 | 284.2 | 353.5 | 422.8 | 505.9 | 561.4 | 603.0 | 575.2 | 547.5 |
| 85° | 90.1 | 97.0 | 131.7 | 173.3 | 228.7 | 263.4 | 263.4 | 235.6 | 228.7 | 214.8 | 207.9 |
| 87.5° | 27.7 | 27.7 | 34.7 | 41.6 | 34.7 | 41.6 | 48.5 | 55.4 | 55.4 | 62.4 | 55.4 |
| 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)