

Scaled data based on original data using
LM-79-2024 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions

Brand: STREETWORKS

Report Number: P1209639

Luminaire Tested: UPW-SA2-130-827-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209639
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-827-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 11616 lumens
Efficiency: N/A
Efficacy: 90.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B2 - U0 - G3

Input Watts (W): 128
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: 28.75 FT

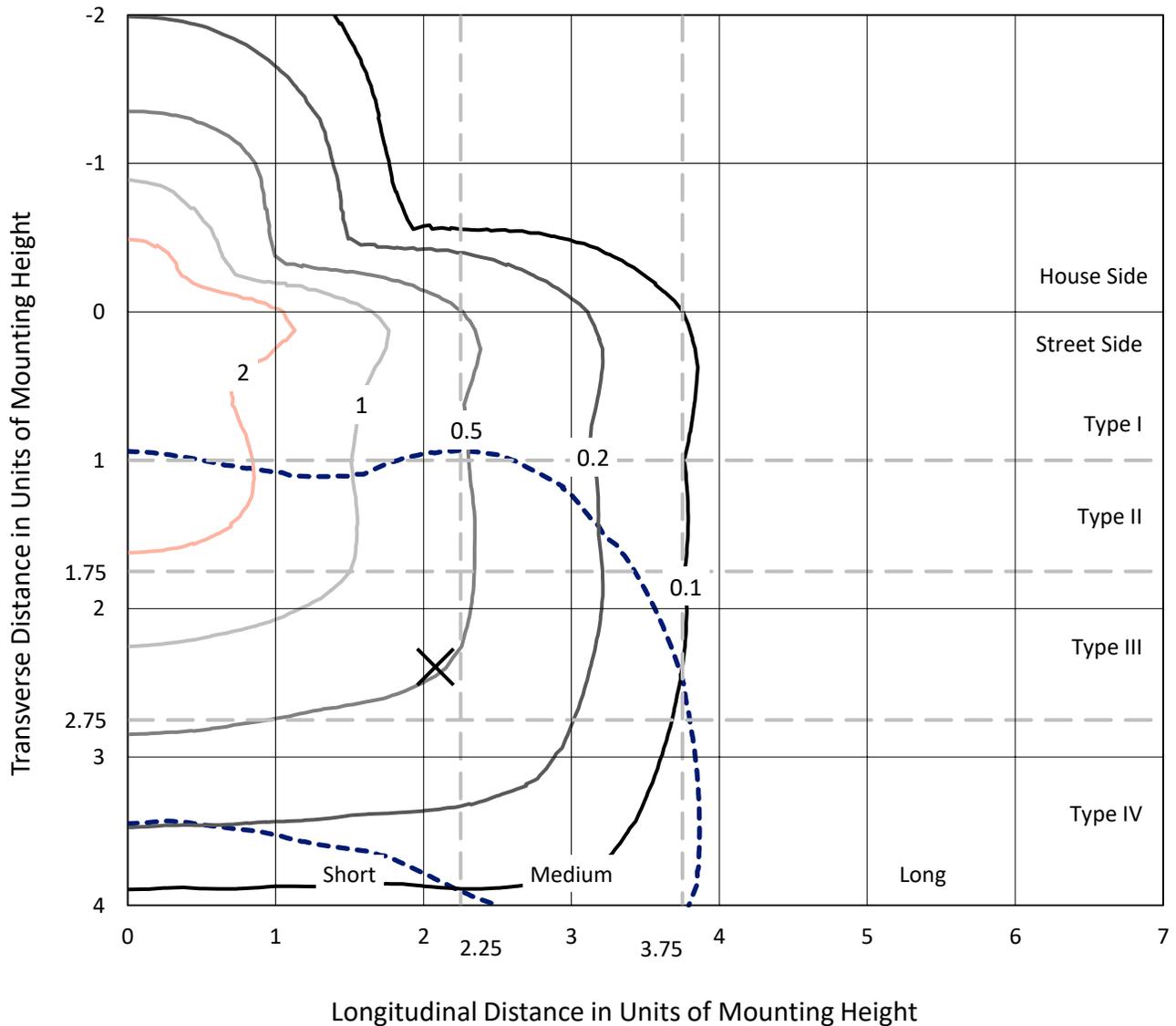


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

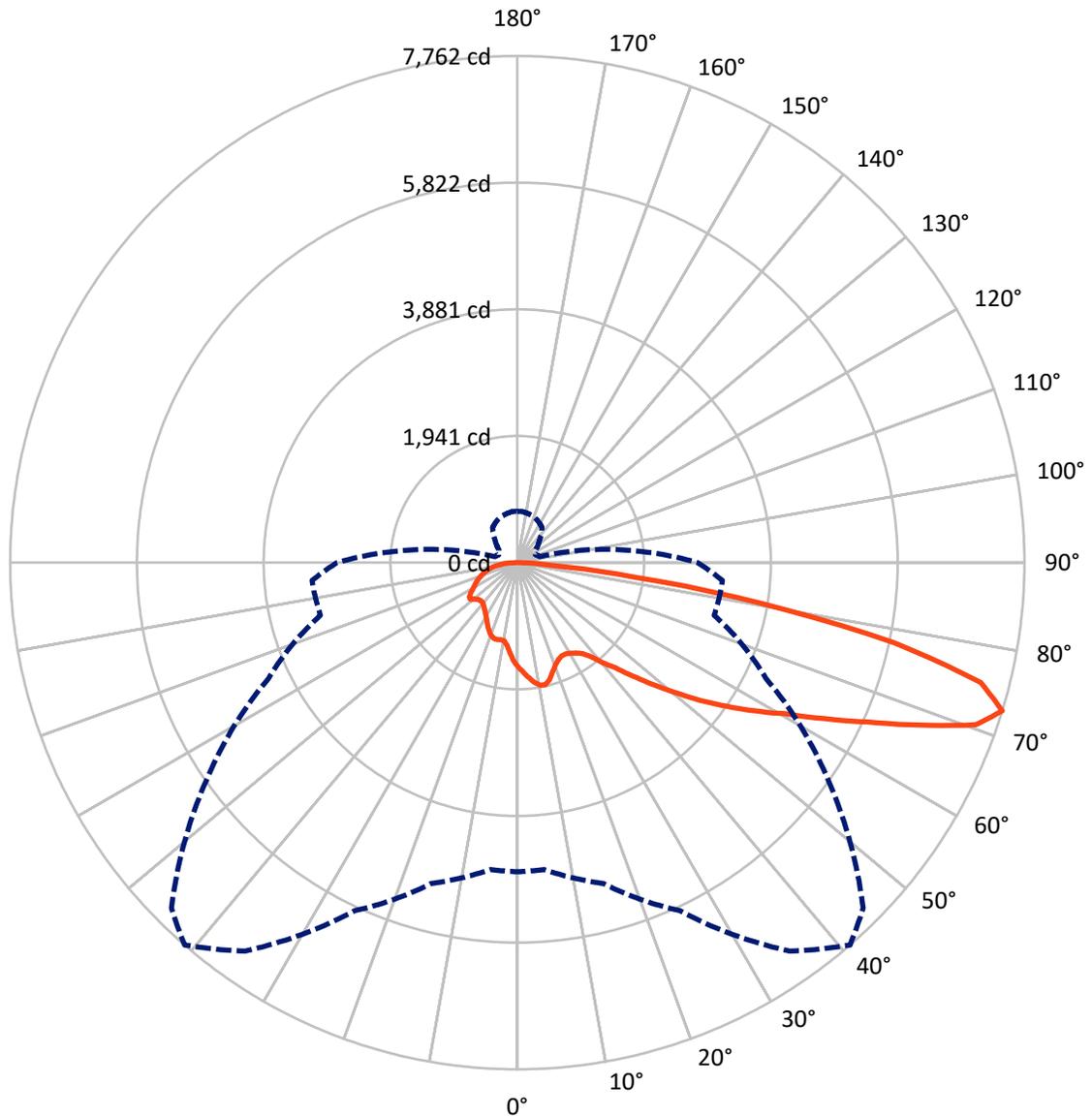


Based on 20 foot mounting height. Maximum calculated value = 4.6 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2513.5	0.0	2513.5
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	9102.5	0.0	9102.5
	% Fixture	78.4	0.0	78.4
Total	Lumens	11616.0	0.0	11616.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	152.3	1.3
10°-20°	458.8	3.9
20°-30°	705.1	6.1
30°-40°	969.3	8.3
40°-50°	1477.0	12.7
50°-60°	2181.2	18.8
60°-70°	2864.5	24.7
70°-80°	2454.3	21.1
80°-90°	353.6	3.0
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°	11616.0	100.0
0°-180°	11616.0	100.0



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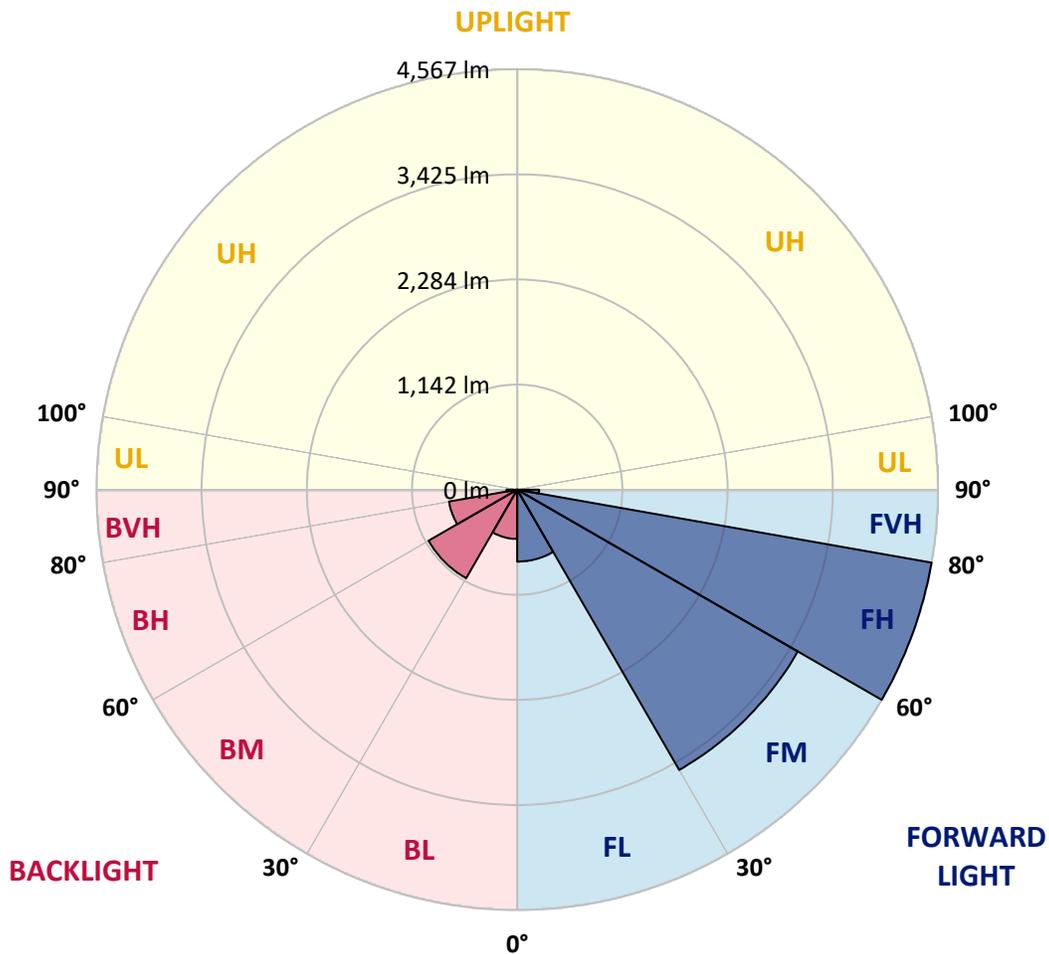
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.2	6.7			
FM	(30°-60°)	3516.6	30.3			
FH	(60°-80°)	4567.2	39.3			G2/5000
FVH	(80°-90°)	237.5	2.0			G3/500
BL	(0°-30°)	535.0	4.6	B2/1000		
BM	(30°-60°)	1110.9	9.6	B2/2500		
BH	(60°-80°)	751.6	6.5	B2/1000		G2/1000
BVH	(80°-90°)	116.1	1.0			G2/225
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G3

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6
2.5°	1700.0	1694.9	1694.9	1691.1	1684.7	1675.8	1674.5	1663.0	1651.5	1634.9	1618.3
5°	1798.4	1790.7	1788.2	1783.1	1776.7	1763.9	1765.2	1744.8	1720.5	1688.6	1655.3
7.5°	1868.6	1863.5	1862.3	1863.5	1854.6	1848.2	1848.2	1823.9	1799.7	1765.2	1714.1
10°	1892.9	1886.5	1891.6	1903.1	1912.1	1910.8	1917.2	1908.2	1890.4	1861.0	1789.5
12.5°	1849.5	1849.5	1852.0	1867.4	1896.7	1919.7	1940.2	1977.2	1993.8	1968.3	1878.9
15°	1783.1	1779.2	1775.4	1781.8	1817.6	1855.9	1899.3	1998.9	2071.7	2070.5	1973.4
17.5°	1743.5	1740.9	1714.1	1688.6	1707.7	1752.4	1807.3	1967.0	2121.5	2163.7	2067.9
20°	1720.5	1715.4	1683.4	1632.4	1624.7	1670.7	1712.8	1901.9	2129.2	2253.1	2157.3
22.5°	1701.3	1698.8	1657.9	1590.2	1571.0	1609.4	1652.8	1822.7	2101.1	2311.9	2236.5
25°	1710.3	1705.2	1654.1	1573.6	1550.6	1582.5	1620.9	1760.1	2051.3	2345.1	2300.4
27.5°	1753.7	1753.7	1686.0	1590.2	1560.8	1582.5	1611.9	1725.6	1997.7	2354.0	2359.1
30°	1853.3	1849.5	1763.9	1647.7	1600.4	1609.4	1629.8	1714.1	1945.3	2337.4	2397.4
32.5°	2028.3	2015.5	1909.5	1751.1	1659.2	1650.2	1654.1	1706.4	1891.6	2308.0	2434.5
35°	2346.3	2311.9	2149.6	1933.8	1763.9	1709.0	1693.7	1714.1	1859.7	2287.6	2469.0
37.5°	2770.4	2721.9	2521.3	2216.1	1945.3	1827.8	1775.4	1751.1	1854.6	2263.3	2502.2
40°	3174.0	3144.6	2907.1	2550.7	2180.3	2015.5	1930.0	1807.3	1861.0	2248.0	2548.2
42.5°	3688.8	3641.5	3365.6	2902.0	2438.3	2200.7	2076.8	1882.7	1901.9	2258.2	2600.5
45°	4243.1	4234.2	3890.6	3333.7	2760.2	2475.3	2318.2	2024.5	1981.0	2299.1	2678.4
47.5°	4842.1	4801.3	4441.1	3835.6	3125.5	2783.2	2589.0	2188.0	2094.7	2368.1	2781.9
50°	5351.8	5322.4	4952.0	4299.3	3524.0	3120.4	2894.3	2385.9	2236.5	2461.3	2890.5
52.5°	5623.8	5602.1	5374.8	4787.2	3932.7	3502.3	3176.6	2592.9	2414.0	2577.5	3009.2
55°	5558.7	5545.9	5544.6	5155.1	4378.5	3886.7	3498.4	2813.8	2618.4	2716.8	3149.7
57.5°	5540.8	5519.1	5530.6	5409.2	4802.5	4284.0	3856.1	3088.4	2873.9	2884.1	3296.6
60°	5558.7	5545.9	5611.0	5566.3	5201.0	4700.4	4272.5	3421.8	3140.8	3055.2	3428.2
62.5°	5724.7	5694.1	5745.2	5839.7	5635.3	5264.9	4798.7	3819.0	3437.1	3184.2	3530.4
65°	5978.9	5921.4	5938.0	6176.9	6147.5	5880.6	5423.3	4336.3	3715.6	3287.7	3577.6
67.5°	6051.7	6032.5	6076.0	6381.2	6686.5	6640.5	6215.2	4907.3	3987.6	3346.4	3524.0
70°	5751.5	5727.3	5921.4	6392.7	7216.6	7441.4	7046.7	5457.8	4220.1	3324.7	3401.4
72.5°	4734.8	4719.5	5088.6	5883.1	7265.1	7762.0	7486.1	5807.7	4200.9	3119.1	3152.3
75°	3062.9	3011.8	3604.5	4626.3	6519.2	7323.9	7128.4	5367.1	3679.8	2773.0	2715.5
77.5°	1083.1	1217.2	1557.0	2751.2	4953.3	5894.6	5567.6	4026.0	2718.0	2032.1	1913.4
80°	378.1	397.2	496.9	1030.8	2679.7	3775.6	3512.5	2333.6	1452.3	1058.9	1015.4
82.5°	222.2	232.5	260.6	378.1	986.1	1793.3	1497.0	979.7	531.3	454.7	398.5
85°	75.4	80.5	135.4	194.1	350.0	518.6	466.2	251.6	205.6	183.9	118.8
87.5°	15.3	17.9	29.4	63.9	117.5	132.8	100.9	61.3	85.6	85.6	40.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



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CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6	1596.6
2.5°	1606.8	1595.3	1574.9	1555.7	1535.3	1520.0	1500.8	1485.5	1488.0	1479.1	1476.5
5°	1633.6	1609.4	1560.8	1509.7	1457.4	1407.6	1365.4	1330.9	1311.8	1301.5	1300.3
7.5°	1677.1	1640.0	1553.2	1459.9	1361.6	1293.9	1249.2	1227.5	1224.9	1222.3	1218.5
10°	1744.8	1686.0	1550.6	1401.2	1277.3	1218.5	1210.9	1226.2	1247.9	1259.4	1259.4
12.5°	1816.3	1740.9	1549.3	1341.1	1212.1	1193.0	1227.5	1270.9	1306.6	1323.3	1320.7
15°	1892.9	1795.8	1530.2	1273.4	1166.1	1194.2	1254.3	1301.5	1338.6	1353.9	1355.2
17.5°	1974.7	1845.7	1498.2	1199.4	1132.9	1191.7	1253.0	1293.9	1327.1	1338.6	1336.0
20°	2044.9	1890.4	1453.5	1124.0	1103.6	1167.4	1222.3	1253.0	1272.2	1274.7	1274.7
22.5°	2102.4	1922.3	1388.4	1053.7	1062.7	1125.3	1167.4	1184.0	1191.7	1195.5	1194.2
25°	2158.6	1944.0	1314.3	988.6	1014.2	1069.1	1099.7	1115.1	1120.2	1124.0	1126.6
27.5°	2196.9	1954.2	1227.5	917.1	958.0	1005.2	1034.6	1049.9	1061.4	1069.1	1069.1
30°	2223.7	1947.8	1136.8	863.4	909.4	949.0	983.5	1003.9	1020.5	1029.5	1030.8
32.5°	2249.3	1940.2	1044.8	809.8	860.9	903.0	942.6	973.3	996.3	1006.5	1010.3
35°	2268.4	1923.6	947.7	768.9	816.2	860.9	905.6	943.9	973.3	991.2	995.0
37.5°	2287.6	1907.0	858.3	725.5	777.9	826.4	877.5	914.5	949.0	973.3	980.9
40°	2314.4	1895.5	779.1	687.2	748.5	802.1	848.1	891.5	931.1	952.8	960.5
42.5°	2351.5	1887.8	711.4	659.1	725.5	786.8	835.3	891.5	940.1	950.3	955.4
45°	2401.3	1887.8	656.5	636.1	714.0	786.8	846.8	908.1	946.5	942.6	946.5
47.5°	2456.2	1887.8	613.1	615.6	708.9	797.0	864.7	938.8	979.7	991.2	998.8
50°	2532.8	1887.8	578.6	597.8	699.9	813.6	924.7	1000.1	1024.4	1028.2	1030.8
52.5°	2617.1	1904.4	553.1	579.9	697.4	867.3	972.0	997.5	996.3	984.8	983.5
55°	2718.0	1933.8	530.1	559.4	706.3	877.5	941.3	949.0	924.7	903.0	897.9
57.5°	2820.2	1970.8	507.1	533.9	670.6	814.9	891.5	885.1	883.9	872.4	871.1
60°	2932.6	2013.0	481.5	491.7	599.0	754.9	823.8	873.7	887.7	876.2	873.7
62.5°	3015.6	2061.5	454.7	445.8	537.7	701.2	799.6	862.2	889.0	889.0	887.7
65°	3055.2	2085.8	429.2	403.6	485.4	645.0	776.6	830.2	863.4	872.4	869.8
67.5°	3009.2	2052.6	410.0	367.9	435.5	587.5	739.5	789.4	832.8	846.8	845.6
70°	2930.1	2025.8	394.7	330.8	392.1	526.2	702.5	756.1	799.6	823.8	821.3
72.5°	2757.6	1931.2	356.4	298.9	343.6	477.7	657.8	720.4	761.3	788.1	786.8
75°	2366.8	1697.5	297.6	269.5	291.2	430.4	609.3	679.5	708.9	734.4	733.2
77.5°	1744.8	1276.0	233.7	227.4	244.0	380.6	547.9	616.9	639.9	659.1	655.2
80°	919.6	747.2	183.9	186.5	201.8	328.3	486.6	539.0	558.2	568.4	560.7
82.5°	401.1	323.1	136.7	148.2	158.4	263.1	401.1	447.0	459.8	452.2	430.4
85°	127.7	88.1	81.7	97.1	107.3	175.0	311.7	347.4	369.1	346.1	341.0
87.5°	31.9	29.4	34.5	49.8	56.2	97.1	212.0	219.7	249.1	76.6	71.5
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)