

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: P1208271

Luminaire Tested: UPW-SA1-060-727-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208271
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-727-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 6582 lumens
Efficiency: N/A
Efficacy: 111.6 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G1

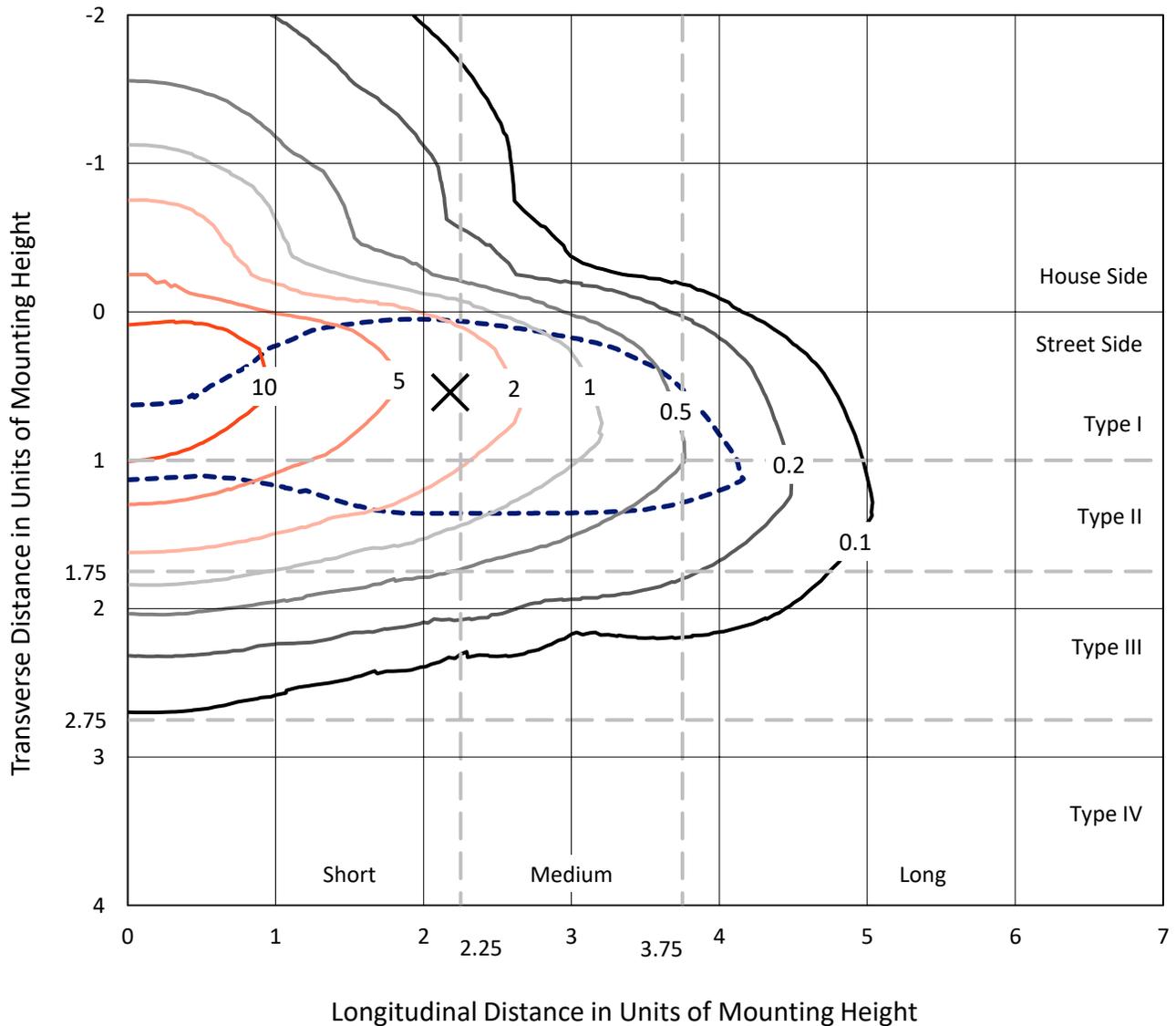
Input Watts (W): 59
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

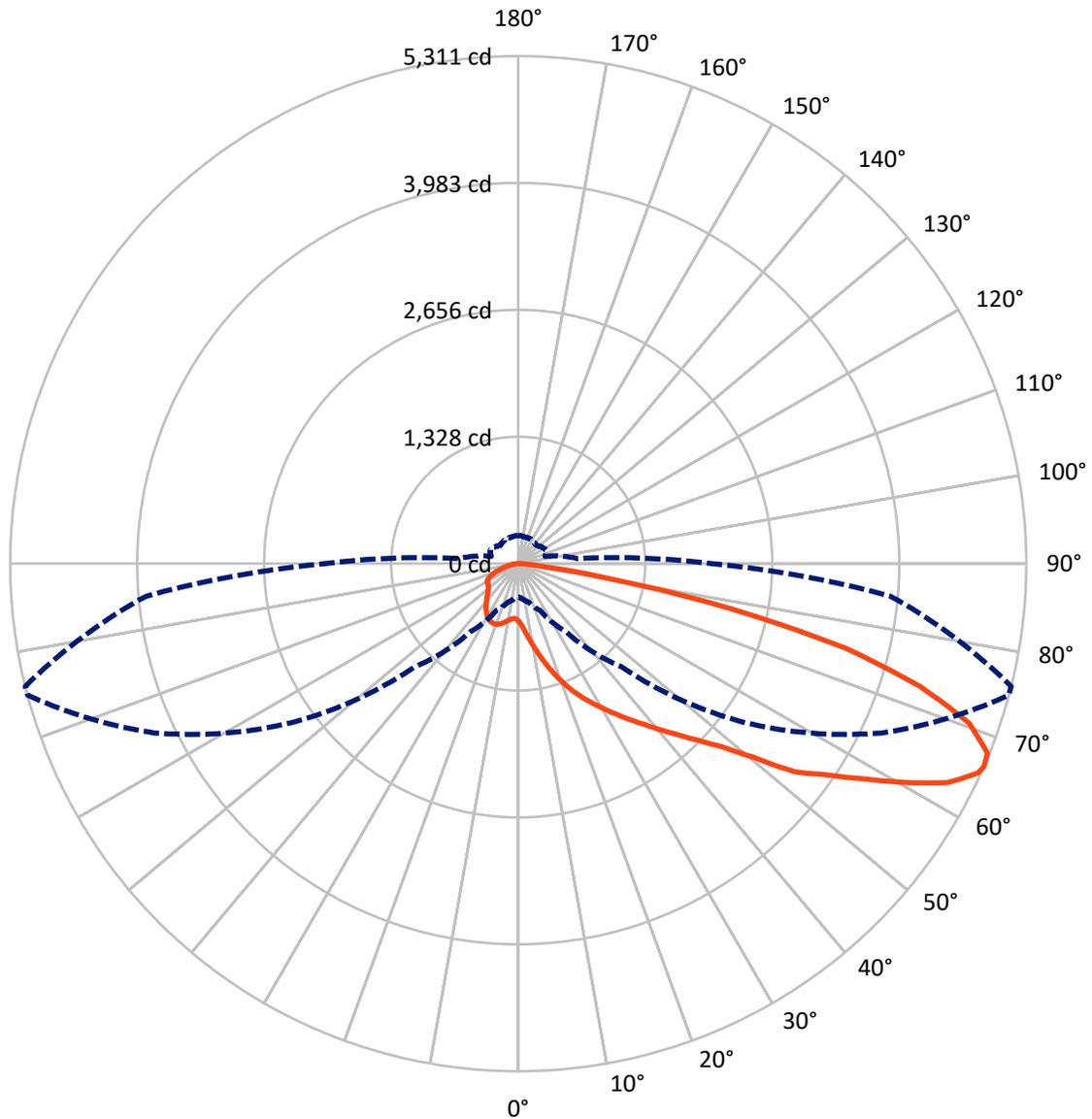
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 15.9 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 76-Deg Lateral - - - Horizontal Cone Through 66-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1107.5	0.0	1107.5
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	5474.5	0.0	5474.5
	% Fixture	83.2	0.0	83.2
Total	Lumens	6582.0	0.0	6582.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	72.7	1.1
10°-20°	287.0	4.4
20°-30°	557.8	8.5
30°-40°	910.4	13.8
40°-50°	1243.9	18.9
50°-60°	1448.8	22.0
60°-70°	1298.9	19.7
70°-80°	656.4	10.0
80°-90°	106.0	1.6
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°	6582.0	100.0
0°-180°	6582.0	100.0



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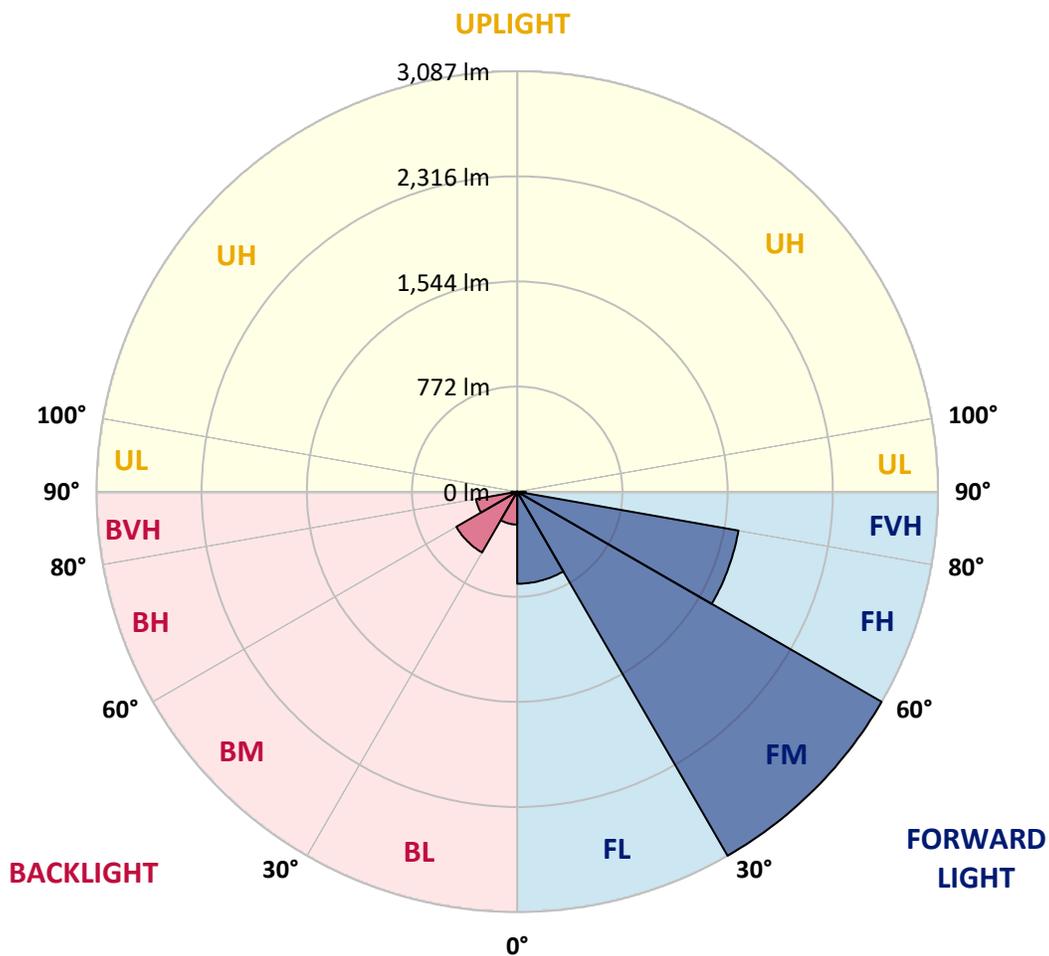
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	676.0	10.3			
FM (30°-60°)	3087.4	46.9			
FH (60°-80°)	1648.5	25.0			G1/1800
FVH (80°-90°)	62.6	1.0			G1/100
BL (0°-30°)	241.6	3.7	B1/500		
BM (30°-60°)	515.7	7.8	B1/1000		
BH (60°-80°)	306.8	4.7	B1/500		G1/500
BVH (80°-90°)	43.4	0.7			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B1-U0-G1

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1
2.5°	797.9	785.9	784.8	767.1	763.1	729.3	704.5	678.6	649.1	643.3	620.1
5°	1025.0	1023.9	1008.4	979.6	957.0	899.4	842.4	782.1	715.9	705.2	652.9
7.5°	1229.2	1227.4	1215.6	1184.5	1151.9	1081.1	999.7	907.2	800.0	784.1	697.4
10°	1384.3	1383.6	1379.6	1356.8	1329.1	1261.2	1171.3	1045.1	897.6	875.9	753.0
12.5°	1504.1	1505.4	1508.1	1500.0	1486.8	1429.0	1336.9	1191.2	1001.7	980.3	814.9
15°	1585.2	1589.2	1603.0	1614.4	1621.4	1585.8	1496.7	1340.7	1118.4	1092.7	883.5
17.5°	1626.1	1630.5	1654.4	1688.8	1720.6	1717.0	1646.2	1483.3	1230.3	1205.5	957.3
20°	1661.4	1664.7	1691.5	1732.9	1789.0	1813.8	1774.0	1620.5	1353.0	1323.5	1035.5
22.5°	1763.7	1767.9	1776.0	1799.5	1849.1	1894.6	1875.4	1750.3	1465.4	1437.9	1109.7
25°	1961.2	1966.4	1948.9	1929.1	1938.4	1970.2	1973.7	1868.7	1579.4	1548.3	1189.4
27.5°	2199.2	2206.6	2176.9	2125.7	2081.0	2068.7	2064.5	1965.7	1688.2	1652.2	1268.3
30°	2432.3	2445.0	2406.4	2340.0	2258.0	2200.3	2157.6	2060.7	1795.4	1761.0	1342.7
32.5°	2660.0	2654.8	2598.7	2533.9	2437.9	2365.7	2262.4	2162.6	1916.1	1876.5	1416.7
35°	2815.9	2817.7	2765.7	2688.8	2597.2	2541.8	2402.8	2272.5	2039.2	2002.8	1500.7
37.5°	2948.7	2940.4	2881.4	2809.7	2730.8	2707.1	2567.0	2393.6	2172.6	2132.8	1590.1
40°	2992.9	2983.3	2944.6	2893.0	2829.8	2827.8	2748.2	2530.8	2323.5	2284.1	1690.9
42.5°	2966.1	2953.8	2937.9	2923.9	2904.4	2913.4	2918.5	2691.7	2489.3	2445.2	1807.5
45°	2867.1	2848.6	2859.7	2890.3	2932.6	2983.1	3072.2	2869.8	2674.9	2638.1	1944.5
47.5°	2714.9	2698.2	2733.0	2798.5	2913.4	3041.2	3217.7	3066.4	2896.6	2860.0	2139.5
50°	2500.9	2505.8	2555.6	2674.7	2848.3	3068.0	3396.9	3326.7	3218.8	3184.6	2405.7
52.5°	2149.6	2150.5	2290.8	2486.3	2733.0	3054.1	3496.3	3659.5	3658.8	3617.5	2659.1
55°	1823.4	1843.3	1954.3	2214.2	2546.2	2998.7	3565.8	3821.2	3947.7	3899.2	2895.3
57.5°	1504.7	1516.3	1621.6	1882.6	2279.7	2851.0	3637.1	4015.4	4280.7	4250.1	3188.9
60°	1142.3	1160.2	1269.0	1510.1	1938.7	2588.9	3643.8	4218.1	4678.6	4647.8	3516.7
62.5°	741.4	772.2	874.1	1100.1	1526.2	2211.9	3488.3	4350.6	5055.8	5044.9	3807.6
65°	426.1	449.4	520.2	694.5	1052.9	1738.7	3118.5	4299.7	5288.0	5281.7	3916.4
66°	348.1	362.7	417.0	542.8	868.8	1526.8	2903.5	4192.2	5311.0	5311.2	3903.9
67.5°	278.4	284.9	309.3	388.6	641.1	1210.2	2519.4	3955.1	5282.4	5290.2	3823.3
70°	230.4	233.7	241.3	260.5	349.9	729.8	1788.3	3339.0	4995.3	5001.3	3508.4
72.5°	206.7	208.7	211.6	214.3	246.9	407.8	1092.2	2671.1	4379.7	4387.5	3028.7
75°	187.3	188.4	187.9	188.1	207.1	259.9	564.4	1994.3	3541.3	3525.6	2320.1
77.5°	164.5	165.6	163.3	163.8	183.2	199.8	280.9	1396.1	2389.8	2279.4	1307.2
80°	139.0	139.9	139.0	140.6	159.5	150.8	163.3	785.4	1056.7	999.5	464.8
82.5°	105.0	108.8	111.5	117.8	131.4	107.3	109.3	305.9	321.8	306.4	142.6
85°	46.0	56.1	84.0	90.1	98.8	64.4	71.7	124.7	130.9	126.9	51.8
87.5°	12.1	13.2	41.6	52.3	54.7	29.0	37.3	56.8	59.9	56.8	17.2
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°	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1	601.1
2.5°	607.8	596.8	577.2	559.7	546.6	537.6	528.7	524.2	521.5	518.9	519.3
5°	627.2	605.1	571.4	547.5	534.0	525.6	521.1	519.3	518.2	515.5	515.5
7.5°	656.5	625.2	578.7	554.2	543.7	537.2	534.5	533.6	532.3	529.1	529.6
10°	693.4	649.6	594.2	570.2	560.6	553.5	549.7	548.4	545.9	542.3	542.8
12.5°	736.7	679.7	614.5	589.5	577.8	568.2	562.0	558.2	553.9	549.2	549.5
15°	784.1	712.6	636.4	606.7	590.8	577.4	567.3	560.9	554.2	548.4	548.1
17.5°	832.1	744.3	653.1	616.1	594.6	577.0	563.3	553.3	545.0	537.8	537.2
20°	884.0	772.9	662.5	615.2	587.5	566.5	548.4	535.8	526.7	519.5	518.4
22.5°	936.7	799.7	664.1	606.0	571.6	545.9	526.9	513.0	503.7	496.3	493.6
25°	985.0	820.5	657.6	588.3	549.5	521.8	503.2	489.1	481.5	472.8	470.1
27.5°	1029.0	835.0	644.7	565.8	524.7	497.4	480.0	467.9	459.6	452.9	450.7
30°	1068.5	842.9	623.4	539.0	499.2	474.4	459.6	451.4	444.2	435.7	434.2
32.5°	1106.1	842.9	596.2	509.7	473.9	454.1	445.3	440.2	432.2	423.9	421.7
35°	1143.6	837.7	564.0	479.1	450.7	439.5	439.1	433.0	420.8	409.6	406.7
37.5°	1183.2	827.2	527.8	450.5	431.7	433.0	436.8	423.4	406.0	390.1	385.9
40°	1227.9	812.7	490.3	425.7	415.8	430.1	430.8	409.6	375.6	361.1	357.3
42.5°	1280.4	798.2	455.4	403.8	403.3	421.4	419.4	379.6	359.3	351.9	349.9
45°	1349.4	789.9	422.3	383.0	393.5	407.4	400.0	363.1	354.6	350.4	348.6
47.5°	1458.2	794.1	391.9	366.5	383.7	393.3	363.8	356.4	350.4	345.2	343.4
50°	1594.6	791.7	367.4	355.1	372.5	378.5	347.5	347.7	344.6	338.8	336.1
52.5°	1697.1	772.5	351.5	348.6	362.7	352.4	337.2	339.2	337.6	329.1	326.2
55°	1796.1	755.9	343.4	346.1	355.5	319.8	325.1	330.0	328.5	320.2	318.9
57.5°	1919.2	752.8	338.5	346.8	349.5	303.4	313.5	320.0	318.9	315.3	314.6
60°	2070.1	753.7	334.1	347.9	342.8	291.4	302.6	310.8	311.5	310.8	310.4
62.5°	2153.0	729.3	322.9	344.8	330.9	280.9	291.2	303.2	303.4	304.8	304.6
65°	2082.6	656.5	302.1	333.8	311.0	272.2	281.3	294.5	291.2	297.2	297.2
66°	2014.2	614.5	291.8	326.7	302.6	268.8	278.2	290.0	285.8	294.1	294.1
67.5°	1874.5	543.7	273.3	311.5	290.5	264.1	274.6	282.7	276.9	289.1	288.3
70°	1619.4	420.5	236.0	277.1	270.6	257.2	269.7	267.9	259.4	278.2	274.6
72.5°	1365.3	319.5	189.5	231.9	240.4	248.5	262.8	249.1	238.4	251.6	243.8
75°	1059.4	240.2	149.7	180.3	203.1	234.8	254.5	227.5	212.1	210.7	206.5
77.5°	572.7	164.9	118.7	137.6	161.3	217.9	248.9	204.2	181.0	175.6	172.3
80°	226.8	107.3	86.3	104.4	112.8	193.3	235.5	177.2	149.3	143.9	138.8
82.5°	93.6	63.5	55.6	69.9	73.5	165.4	211.4	145.2	115.3	159.5	169.4
85°	40.2	34.9	33.1	36.2	41.6	116.0	168.3	110.8	124.5	111.1	88.3
87.5°	12.1	14.7	14.1	13.9	15.2	27.7	89.6	61.7	91.4	34.6	25.9
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)