

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: P1208514

Luminaire Tested: UPW-SA1-070-727-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208514
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-SA1-070-727-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7218 lumens
Efficiency: N/A
Efficacy: 107.7 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 67
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

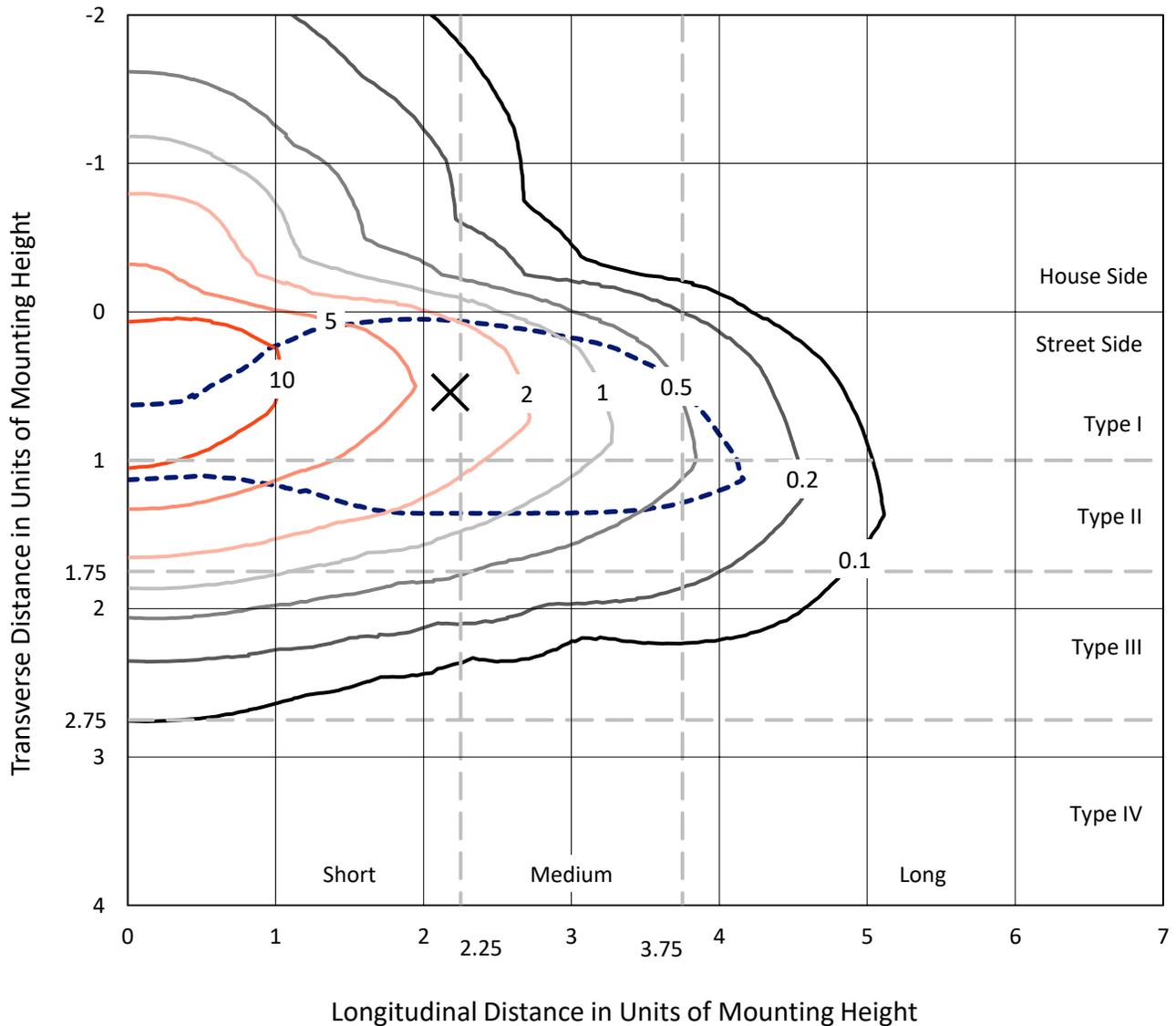


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Iso-Footcandle Lines of Horizontal Illumination

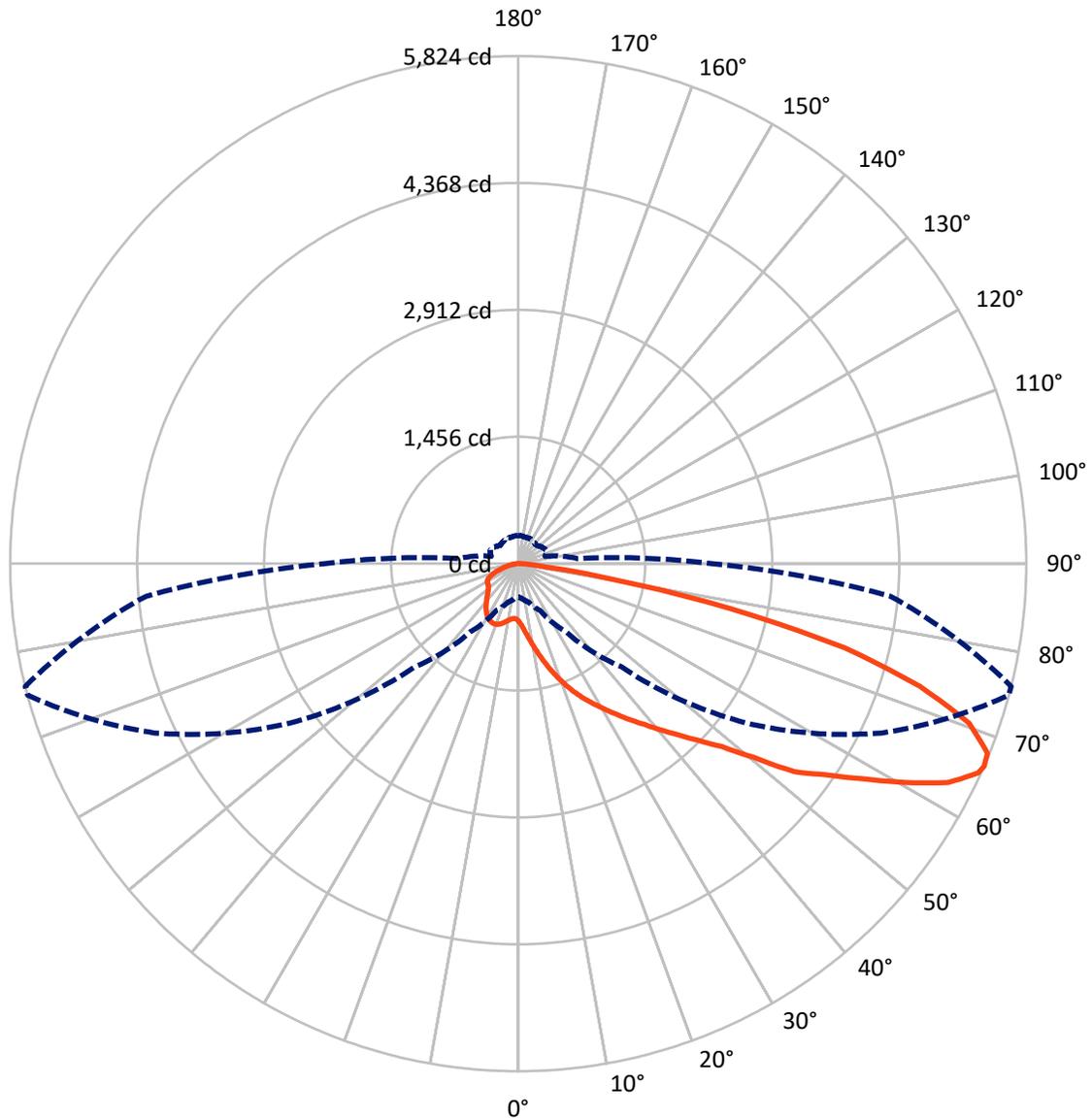
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 17.5 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	1214.5	0.0	1214.5
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	6003.5	0.0	6003.5
	% Fixture	83.2	0.0	83.2
Total	Lumens	7218.0	0.0	7218.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.7	1.1
10°-20°	314.8	4.4
20°-30°	611.7	8.5
30°-40°	998.4	13.8
40°-50°	1364.1	18.9
50°-60°	1588.9	22.0
60°-70°	1424.4	19.7
70°-80°	719.8	10.0
80°-90°	116.2	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°	7218.0	100.0
0°-180°	7218.0	100.0

Coefficient of Utilization



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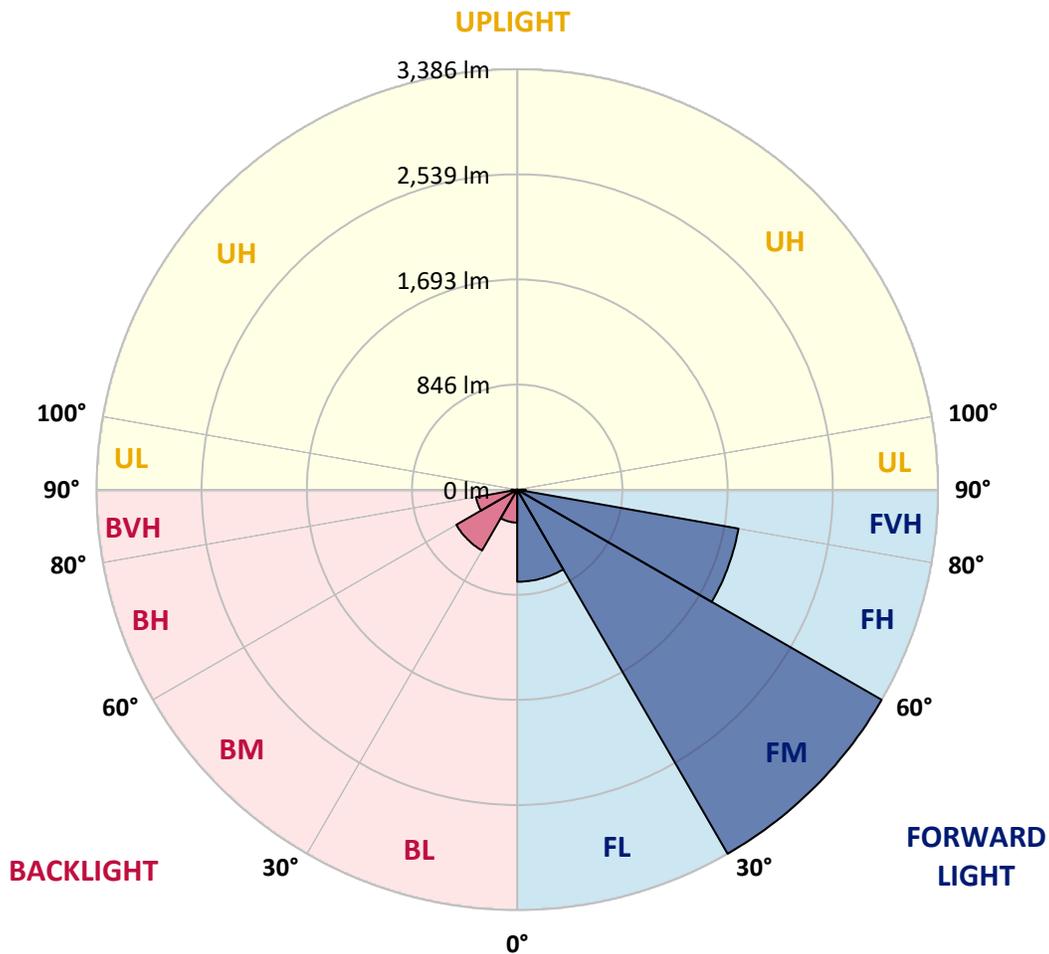
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	741.3	10.3			
FM	(30°-60°)	3385.7	46.9			
FH	(60°-80°)	1807.8	25.0			G2/5000
FVH	(80°-90°)	68.6	1.0			G1/100
BL	(0°-30°)	264.9	3.7	B1/500		
BM	(30°-60°)	565.6	7.8	B1/1000		
BH	(60°-80°)	336.5	4.7	B1/500		G1/500
BVH	(80°-90°)	47.6	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-G2

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	76°	85°
0°	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2
2.5°	875.0	861.8	860.6	841.2	836.8	799.8	772.6	744.2	711.9	705.5	680.0
5°	1124.0	1122.8	1105.9	1074.3	1049.5	986.3	923.8	857.7	785.1	773.4	716.0
7.5°	1348.0	1346.0	1333.0	1299.0	1263.2	1185.5	1096.3	994.9	877.3	859.9	764.8
10°	1518.0	1517.3	1512.9	1487.9	1457.5	1383.0	1284.5	1146.1	984.3	960.6	825.8
12.5°	1649.4	1650.9	1653.8	1645.0	1630.5	1567.1	1466.1	1306.3	1098.5	1075.0	893.7
15°	1738.3	1742.7	1757.9	1770.4	1778.0	1739.1	1641.3	1470.3	1226.4	1198.3	968.9
17.5°	1783.2	1788.1	1814.3	1852.0	1886.8	1882.9	1805.2	1626.6	1349.2	1322.0	1049.8
20°	1821.9	1825.6	1855.0	1900.3	1961.8	1989.0	1945.4	1777.1	1483.7	1451.4	1135.5
22.5°	1934.1	1938.8	1947.6	1973.3	2027.7	2077.7	2056.6	1919.4	1607.0	1576.9	1216.9
25°	2150.7	2156.4	2137.3	2115.5	2125.7	2160.5	2164.5	2049.3	1732.0	1697.9	1304.4
27.5°	2411.7	2419.8	2387.2	2331.1	2282.1	2268.6	2264.0	2155.6	1851.3	1811.8	1390.9
30°	2667.3	2681.3	2638.9	2566.1	2476.2	2412.9	2366.1	2259.8	1968.9	1931.2	1472.5
32.5°	2917.0	2911.4	2849.9	2778.8	2673.4	2594.3	2481.1	2371.5	2101.2	2057.9	1553.6
35°	3088.0	3090.0	3032.9	2948.6	2848.1	2787.4	2634.9	2492.1	2236.3	2196.3	1645.7
37.5°	3233.6	3224.5	3159.8	3081.2	2994.7	2968.7	2815.1	2624.9	2382.6	2338.9	1743.7
40°	3282.1	3271.6	3229.2	3172.6	3103.2	3101.0	3013.8	2775.4	2548.0	2504.8	1854.2
42.5°	3252.7	3239.2	3221.8	3206.4	3185.1	3194.9	3200.5	2951.8	2729.8	2681.5	1982.2
45°	3144.1	3123.8	3136.1	3169.6	3215.9	3271.3	3369.1	3147.1	2933.4	2893.0	2132.4
47.5°	2977.3	2958.9	2997.1	3068.9	3194.9	3335.0	3528.6	3362.7	3176.5	3136.3	2346.3
50°	2742.5	2747.9	2802.6	2933.2	3123.6	3364.4	3725.1	3648.2	3529.8	3492.4	2638.1
52.5°	2357.3	2358.3	2512.2	2726.6	2997.1	3349.3	3834.2	4013.1	4012.3	3967.0	2916.0
55°	1999.6	2021.4	2143.1	2428.1	2792.3	3288.5	3910.4	4190.5	4329.2	4276.0	3175.0
57.5°	1650.1	1662.9	1778.3	2064.5	2499.9	3126.5	3988.6	4403.4	4694.3	4660.7	3497.0
60°	1252.7	1272.3	1391.6	1656.0	2126.0	2839.1	3995.9	4625.7	5130.7	5096.9	3856.5
62.5°	813.1	846.9	958.6	1206.3	1673.6	2425.7	3825.4	4771.0	5544.3	5532.3	4175.5
65°	467.3	492.8	570.5	761.6	1154.6	1906.7	3419.8	4715.1	5798.9	5792.1	4294.9
66°	381.8	397.7	457.3	595.2	952.7	1674.4	3184.1	4597.3	5824.2	5824.4	4281.1
67.5°	305.3	312.4	339.1	426.1	703.0	1327.2	2762.9	4337.3	5792.8	5801.4	4192.7
70°	252.6	256.3	264.6	285.7	383.7	800.3	1961.1	3661.7	5477.9	5484.6	3847.4
72.5°	226.7	228.9	232.1	235.0	270.8	447.2	1197.8	2929.2	4802.8	4811.4	3321.3
75°	205.3	206.6	206.1	206.3	227.2	285.0	619.0	2187.0	3883.4	3866.3	2544.3
77.5°	180.4	181.6	179.1	179.6	200.9	219.1	308.0	1531.0	2620.7	2499.7	1433.5
80°	152.4	153.4	152.4	154.1	175.0	165.4	179.1	861.3	1158.8	1096.1	509.7
82.5°	115.2	119.3	122.3	129.1	144.1	117.6	119.8	335.5	352.9	336.0	156.3
85°	50.5	61.5	92.1	98.8	108.3	70.6	78.7	136.7	143.6	139.2	56.9
87.5°	13.2	14.5	45.6	57.3	60.0	31.9	40.9	62.2	65.7	62.2	18.9
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°	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2	659.2
2.5°	666.5	654.5	632.9	613.8	599.4	589.6	579.8	574.9	571.9	569.0	569.5
5°	687.8	663.6	626.6	600.4	585.7	576.3	571.4	569.5	568.3	565.3	565.3
7.5°	719.9	685.6	634.7	607.7	596.2	589.1	586.1	585.2	583.7	580.3	580.8
10°	760.4	712.3	651.6	625.4	614.8	607.0	602.8	601.3	598.6	594.7	595.2
12.5°	807.9	745.4	673.9	646.4	633.7	623.1	616.3	612.1	607.5	602.3	602.6
15°	859.9	781.4	697.9	665.3	647.9	633.2	622.2	615.1	607.7	601.3	601.1
17.5°	912.5	816.2	716.3	675.6	652.1	632.7	617.8	606.7	597.7	589.8	589.1
20°	969.4	847.6	726.6	674.6	644.2	621.2	601.3	587.6	577.6	569.7	568.5
22.5°	1027.2	877.0	728.3	664.6	626.8	598.6	577.8	562.6	552.3	544.2	541.3
25°	1080.2	899.8	721.2	645.2	602.6	572.2	551.8	536.4	528.1	518.5	515.6
27.5°	1128.4	915.7	706.9	620.4	575.4	545.5	526.4	513.1	504.1	496.7	494.3
30°	1171.8	924.3	683.7	591.0	547.4	520.2	504.1	495.0	487.1	477.8	476.1
32.5°	1213.0	924.3	653.8	558.9	519.7	497.9	488.4	482.7	473.9	464.8	462.4
35°	1254.1	918.7	618.5	525.4	494.3	482.0	481.5	474.9	461.4	449.2	446.0
37.5°	1297.5	907.1	578.8	494.0	473.4	474.9	479.1	464.4	445.2	427.8	423.2
40°	1346.5	891.2	537.6	466.8	456.0	471.7	472.4	449.2	411.9	396.0	391.8
42.5°	1404.1	875.3	499.4	442.8	442.3	462.2	459.9	416.3	394.0	385.9	383.7
45°	1479.8	866.2	463.1	420.0	431.5	446.7	438.6	398.2	388.9	384.2	382.3
47.5°	1599.2	870.9	429.8	401.9	420.7	431.3	398.9	390.8	384.2	378.6	376.6
50°	1748.6	868.2	402.9	389.4	408.5	415.1	381.0	381.3	377.9	371.5	368.5
52.5°	1861.1	847.1	385.5	382.3	397.7	386.4	369.8	372.0	370.3	360.9	357.8
55°	1969.7	829.0	376.6	379.6	389.9	350.7	356.5	361.9	360.2	351.1	349.7
57.5°	2104.7	825.6	371.2	380.3	383.2	332.8	343.8	350.9	349.7	345.8	345.0
60°	2270.1	826.5	366.3	381.5	375.9	319.5	331.8	340.9	341.6	340.9	340.4
62.5°	2361.0	799.8	354.1	378.1	362.9	308.0	319.3	332.5	332.8	334.2	334.0
65°	2283.8	719.9	331.3	366.1	341.1	298.5	308.5	323.0	319.3	325.9	325.9
66°	2208.8	673.9	320.0	358.3	331.8	294.8	305.1	318.1	313.4	322.5	322.5
67.5°	2055.7	596.2	299.7	341.6	318.6	289.6	301.2	310.0	303.6	317.1	316.1
70°	1775.8	461.2	258.8	303.9	296.7	282.0	295.8	293.8	284.5	305.1	301.2
72.5°	1497.2	350.4	207.8	254.4	263.7	272.5	288.2	273.2	261.5	275.9	267.3
75°	1161.7	263.4	164.2	197.7	222.7	257.5	279.1	249.5	232.5	231.1	226.4
77.5°	628.0	180.8	130.1	150.9	176.9	238.9	273.0	224.0	198.5	192.6	188.9
80°	248.7	117.6	94.6	114.4	123.7	212.0	258.3	194.3	163.7	157.8	152.2
82.5°	102.7	69.6	61.0	76.7	80.6	181.3	231.8	159.3	126.4	175.0	185.7
85°	44.1	38.2	36.3	39.7	45.6	127.2	184.5	121.5	136.5	121.8	96.8
87.5°	13.2	16.2	15.4	15.2	16.7	30.4	98.3	67.6	100.2	38.0	28.4
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)