

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: P1208298

Luminaire Tested: UPW-SA1-060-730-U-T2R

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208298
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-8)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-730-U-T2R
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA LIGHTSQUARE WITH 16 LEDS AND TYPE II ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7168 lumens
Efficiency: N/A
Efficacy: 121.5 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

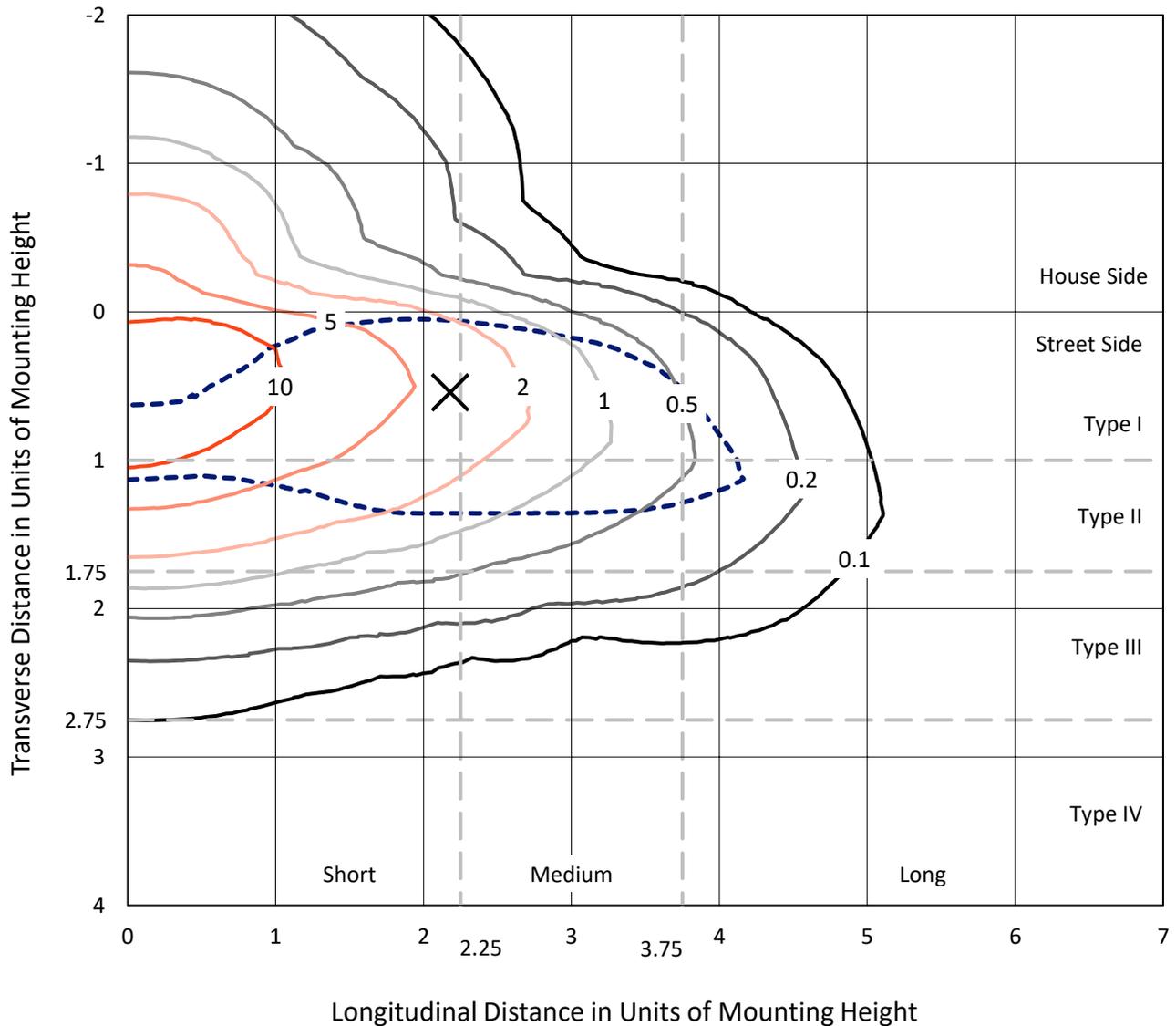


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

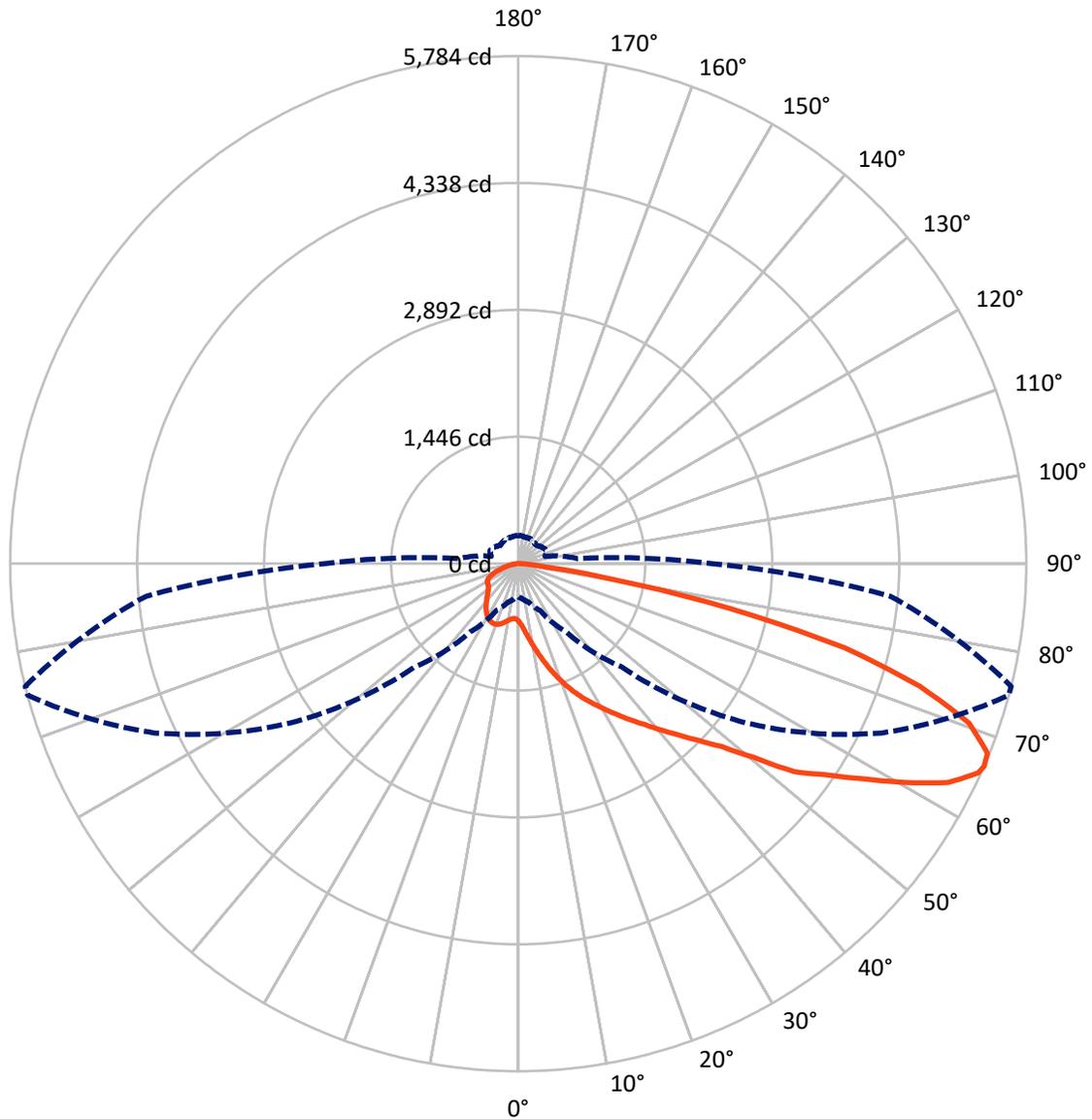


Based on 10 foot mounting height. Maximum calculated value = 17.4 fc
 Type II - Short - N/A

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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	1206.1	0.0	1206.1
	% Fixture	16.8	0.0	16.8
Street Side	Lumens	5961.9	0.0	5961.9
	% Fixture	83.2	0.0	83.2
Total	Lumens	7168.0	0.0	7168.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	79.2	1.1
10°-20°	312.6	4.4
20°-30°	607.4	8.5
30°-40°	991.5	13.8
40°-50°	1354.6	18.9
50°-60°	1577.8	22.0
60°-70°	1414.6	19.7
70°-80°	714.9	10.0
80°-90°	115.4	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°	7168.0	100.0
0°-180°	7168.0	100.0



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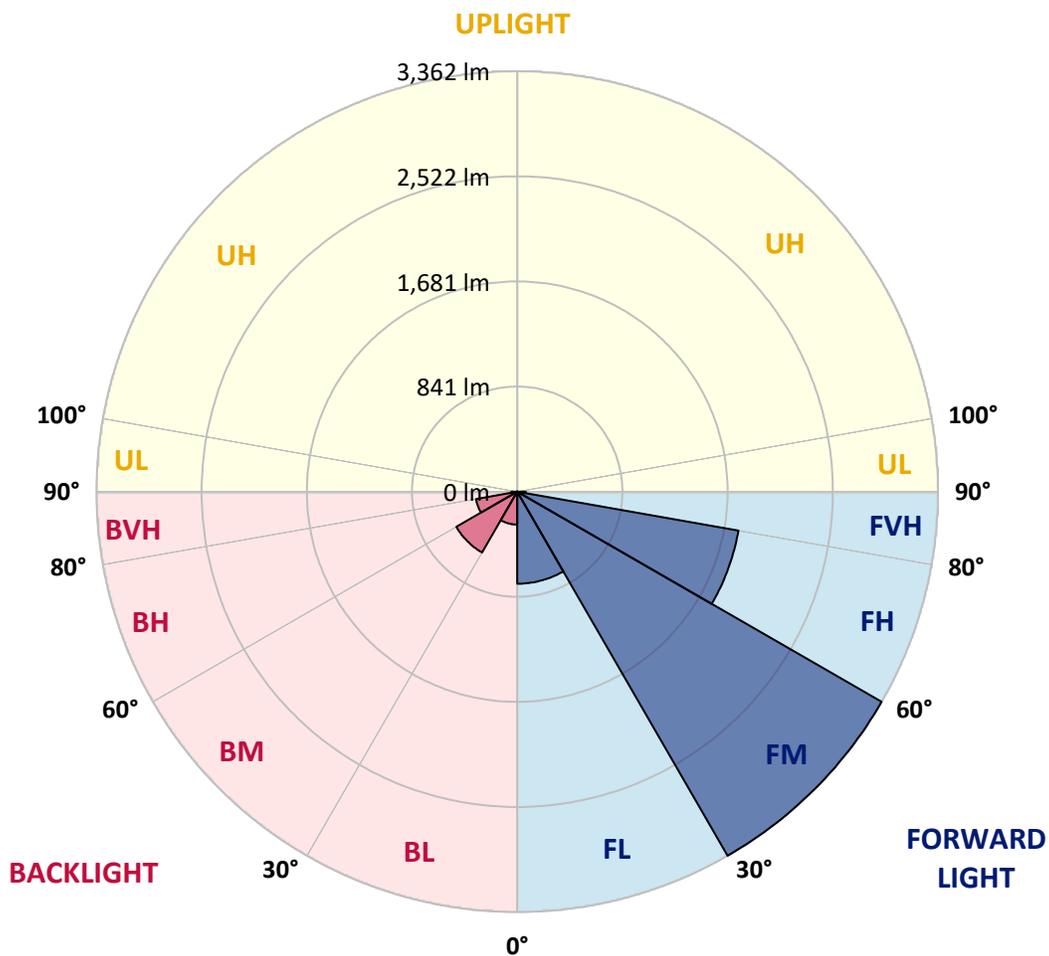
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	736.1	10.3			
FM	(30°-60°)	3362.3	46.9			
FH	(60°-80°)	1795.3	25.0			G1/1800
FVH	(80°-90°)	68.2	1.0			G1/100
BL	(0°-30°)	263.1	3.7	B1/500		
BM	(30°-60°)	561.6	7.8	B1/1000		
BH	(60°-80°)	334.2	4.7	B1/500		G1/500
BVH	(80°-90°)	47.3	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°	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6
2.5°	869.0	855.8	854.6	835.4	831.0	794.3	767.3	739.0	706.9	700.6	675.3
5°	1116.2	1115.0	1098.2	1066.8	1042.2	979.5	917.4	851.7	779.7	768.0	711.1
7.5°	1338.6	1336.7	1323.8	1290.0	1254.4	1177.3	1088.7	988.0	871.2	853.9	759.5
10°	1507.5	1506.8	1502.4	1477.6	1447.4	1373.4	1275.6	1138.1	977.5	953.9	820.1
12.5°	1638.0	1639.4	1642.3	1633.6	1619.2	1556.2	1455.9	1297.3	1090.9	1067.6	887.5
15°	1726.3	1730.7	1745.8	1758.2	1765.7	1727.0	1629.9	1460.1	1217.9	1190.0	962.2
17.5°	1770.8	1775.7	1801.7	1839.2	1873.8	1869.9	1792.7	1615.3	1339.9	1312.9	1042.5
20°	1809.3	1812.9	1842.1	1887.1	1948.2	1975.2	1931.9	1764.7	1473.5	1441.3	1127.7
22.5°	1920.7	1925.4	1934.1	1959.7	2013.7	2063.3	2042.4	1906.1	1595.9	1565.9	1208.5
25°	2135.8	2141.4	2122.5	2100.8	2111.0	2145.6	2149.5	2035.1	1720.0	1686.1	1295.3
27.5°	2395.0	2403.0	2370.7	2314.9	2266.3	2252.9	2248.3	2140.7	1838.5	1799.3	1381.2
30°	2648.8	2662.7	2620.6	2548.3	2459.0	2396.2	2349.7	2244.1	1955.3	1917.8	1462.3
32.5°	2896.8	2891.2	2830.1	2759.5	2654.9	2576.3	2463.9	2355.1	2086.7	2043.6	1542.8
35°	3066.6	3068.6	3011.9	2928.2	2828.4	2768.1	2616.7	2474.8	2220.8	2181.1	1634.3
37.5°	3211.2	3202.2	3137.9	3059.8	2973.9	2948.1	2795.6	2606.7	2366.1	2322.7	1731.6
40°	3259.4	3248.9	3206.8	3150.6	3081.7	3079.5	2992.9	2756.1	2530.3	2487.5	1841.4
42.5°	3230.2	3216.8	3199.5	3184.2	3163.0	3172.7	3178.3	2931.3	2710.9	2662.9	1968.4
45°	3122.4	3102.2	3114.3	3147.7	3193.7	3248.7	3345.8	3125.3	2913.1	2872.9	2117.6
47.5°	2956.7	2938.4	2976.4	3047.7	3172.7	3311.9	3504.2	3339.4	3154.5	3114.6	2330.0
50°	2723.5	2728.9	2783.1	2912.8	3101.9	3341.1	3699.3	3622.9	3505.4	3468.2	2619.9
52.5°	2341.0	2342.0	2494.8	2707.7	2976.4	3326.0	3807.6	3985.3	3984.5	3939.5	2895.8
55°	1985.7	2007.4	2128.3	2411.3	2772.9	3265.7	3883.3	4161.5	4299.2	4246.4	3153.0
57.5°	1638.7	1651.3	1766.0	2050.2	2482.6	3104.8	3960.9	4372.9	4661.8	4628.4	3472.8
60°	1244.0	1263.5	1382.0	1644.5	2111.3	2819.4	3968.2	4593.6	5095.2	5061.6	3829.8
62.5°	807.4	841.0	952.0	1198.0	1662.1	2408.9	3798.9	4737.9	5505.9	5494.0	4146.6
65°	464.1	489.4	566.5	756.3	1146.6	1893.5	3396.1	4682.5	5758.8	5752.0	4265.1
66°	379.1	395.0	454.1	591.1	946.1	1662.8	3162.0	4565.4	5783.8	5784.1	4251.5
67.5°	303.2	310.3	336.8	423.2	698.2	1318.0	2743.7	4307.2	5752.7	5761.2	4163.6
70°	250.9	254.5	262.8	283.7	381.1	794.8	1947.5	3636.3	5440.0	5446.6	3820.8
72.5°	225.1	227.3	230.4	233.4	268.9	444.1	1189.5	2909.0	4769.6	4778.1	3298.3
75°	203.9	205.1	204.7	204.9	225.6	283.0	614.7	2171.9	3856.5	3839.5	2526.7
77.5°	179.1	180.3	177.9	178.4	199.5	217.6	305.9	1520.4	2602.6	2482.4	1423.6
80°	151.4	152.3	151.4	153.1	173.7	164.3	177.9	855.4	1150.8	1088.5	506.2
82.5°	114.4	118.5	121.4	128.2	143.1	116.8	119.0	333.1	350.4	333.6	155.3
85°	50.1	61.1	91.5	98.1	107.6	70.1	78.1	135.8	142.6	138.2	56.5
87.5°	13.1	14.4	45.3	56.9	59.6	31.6	40.6	61.8	65.2	61.8	18.7
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°	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6	654.6
2.5°	661.9	650.0	628.6	609.6	595.2	585.5	575.8	570.9	568.0	565.0	565.5
5°	683.1	659.0	622.2	596.2	581.6	572.3	567.5	565.5	564.3	561.4	561.4
7.5°	714.9	680.9	630.3	603.5	592.1	585.0	582.1	581.1	579.6	576.2	576.7
10°	755.1	707.4	647.1	621.0	610.6	602.8	598.6	597.2	594.5	590.6	591.1
12.5°	802.3	740.3	669.2	641.9	629.3	618.8	612.0	607.9	603.3	598.1	598.4
15°	853.9	776.0	693.0	660.7	643.4	628.8	617.9	610.8	603.5	597.2	596.9
17.5°	906.2	810.6	711.3	670.9	647.5	628.3	613.5	602.5	593.5	585.7	585.0
20°	962.7	841.7	721.5	669.9	639.8	616.9	597.2	583.5	573.6	565.8	564.6
22.5°	1020.1	870.9	723.2	660.0	622.5	594.5	573.8	558.7	548.5	540.5	537.6
25°	1072.7	893.6	716.2	640.7	598.4	568.2	548.0	532.7	524.4	514.9	512.0
27.5°	1120.6	909.4	702.1	616.2	571.4	541.7	522.7	509.6	500.6	493.3	490.8
30°	1163.7	917.9	678.9	586.9	543.6	516.6	500.6	491.6	483.8	474.5	472.8
32.5°	1204.6	917.9	649.2	555.1	516.1	494.5	485.0	479.4	470.6	461.6	459.2
35°	1245.4	912.3	614.2	521.7	490.8	478.7	478.2	471.6	458.2	446.1	442.9
37.5°	1288.5	900.9	574.8	490.6	470.1	471.6	475.7	461.1	442.2	424.9	420.3
40°	1337.2	885.0	533.9	463.6	452.9	468.4	469.2	446.1	409.1	393.2	389.1
42.5°	1394.4	869.2	495.9	439.7	439.2	459.0	456.8	413.4	391.3	383.3	381.1
45°	1469.6	860.2	459.9	417.1	428.5	443.6	435.6	395.4	386.2	381.6	379.6
47.5°	1588.1	864.9	426.8	399.1	417.8	428.3	396.2	388.1	381.6	376.0	374.0
50°	1736.5	862.2	400.1	386.7	405.7	412.2	378.4	378.6	375.2	368.9	366.0
52.5°	1848.2	841.2	382.8	379.6	395.0	383.8	367.2	369.4	367.7	358.4	355.3
55°	1956.0	823.2	374.0	376.9	387.2	348.2	354.1	359.4	357.7	348.7	347.3
57.5°	2090.1	819.8	368.7	377.7	380.6	330.5	341.4	348.5	347.3	343.4	342.6
60°	2254.4	820.8	363.8	378.9	373.3	317.3	329.5	338.5	339.2	338.5	338.0
62.5°	2344.6	794.3	351.6	375.5	360.4	305.9	317.1	330.2	330.5	331.9	331.7
65°	2268.0	714.9	329.0	363.6	338.7	296.4	306.4	320.7	317.1	323.6	323.6
66°	2193.5	669.2	317.8	355.8	329.5	292.7	303.0	315.9	311.2	320.2	320.2
67.5°	2041.4	592.1	297.6	339.2	316.3	287.6	299.1	307.8	301.5	314.9	313.9
70°	1763.5	458.0	257.0	301.7	294.7	280.1	293.7	291.8	282.5	303.0	299.1
72.5°	1486.8	348.0	206.4	252.6	261.8	270.6	286.2	271.3	259.6	274.0	265.5
75°	1153.7	261.6	163.0	196.4	221.2	255.8	277.2	247.7	230.9	229.5	224.9
77.5°	623.7	179.6	129.2	149.9	175.7	237.3	271.1	222.4	197.1	191.3	187.6
80°	247.0	116.8	93.9	113.6	122.9	210.5	256.5	193.0	162.6	156.7	151.1
82.5°	102.0	69.1	60.6	76.2	80.1	180.1	230.2	158.2	125.6	173.7	184.5
85°	43.8	38.0	36.0	39.4	45.3	126.3	183.2	120.7	135.5	120.9	96.1
87.5°	13.1	16.1	15.3	15.1	16.5	30.2	97.6	67.2	99.5	37.7	28.2
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)