

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: P1208100

Luminaire Tested: UPW-SA1-040-740-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208100
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-SA1-040-740-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5955 lumens
Efficiency: N/A
Efficacy: 135.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

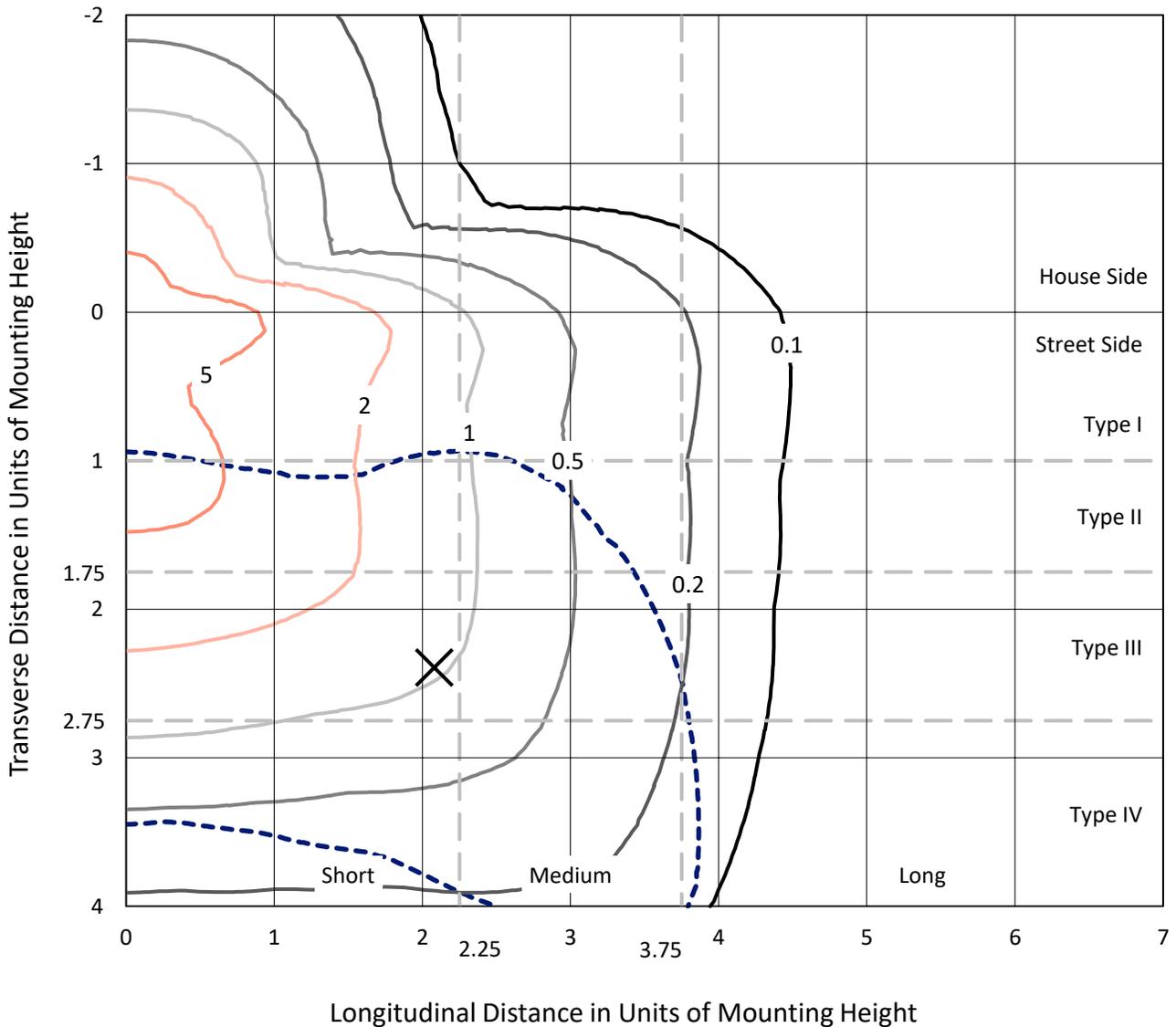


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Iso-Footcandle Lines of Horizontal Illumination

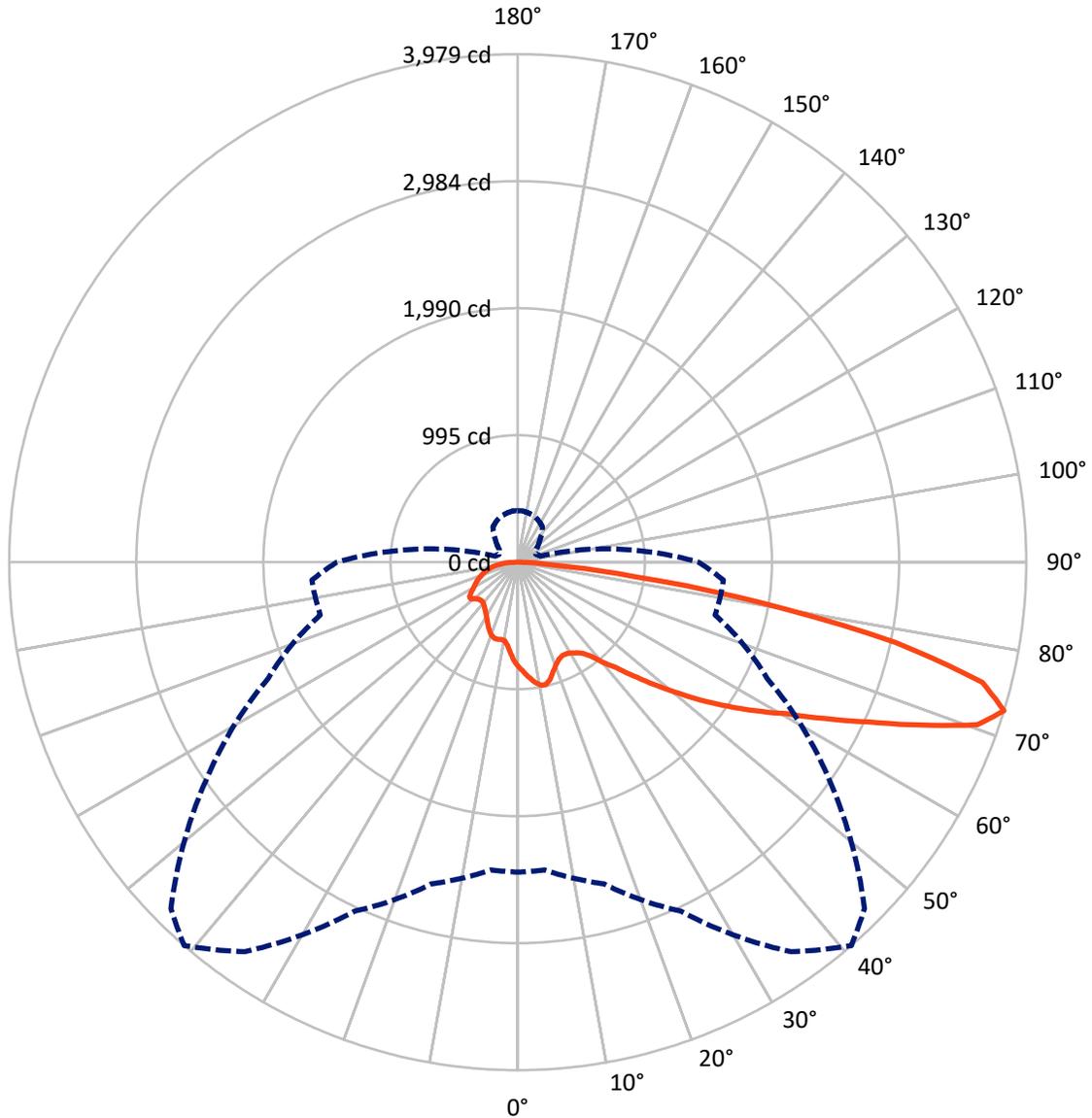
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 9.5 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	1288.6	0.0	1288.6
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	4666.4	0.0	4666.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	5955.0	0.0	5955.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	78.1	1.3
10°-20°	235.2	3.9
20°-30°	361.5	6.1
30°-40°	496.9	8.3
40°-50°	757.2	12.7
50°-60°	1118.2	18.8
60°-70°	1468.5	24.7
70°-80°	1258.2	21.1
80°-90°	181.3	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°	5955.0	100.0
0°-180°	5955.0	100.0

Coefficient of Utilization



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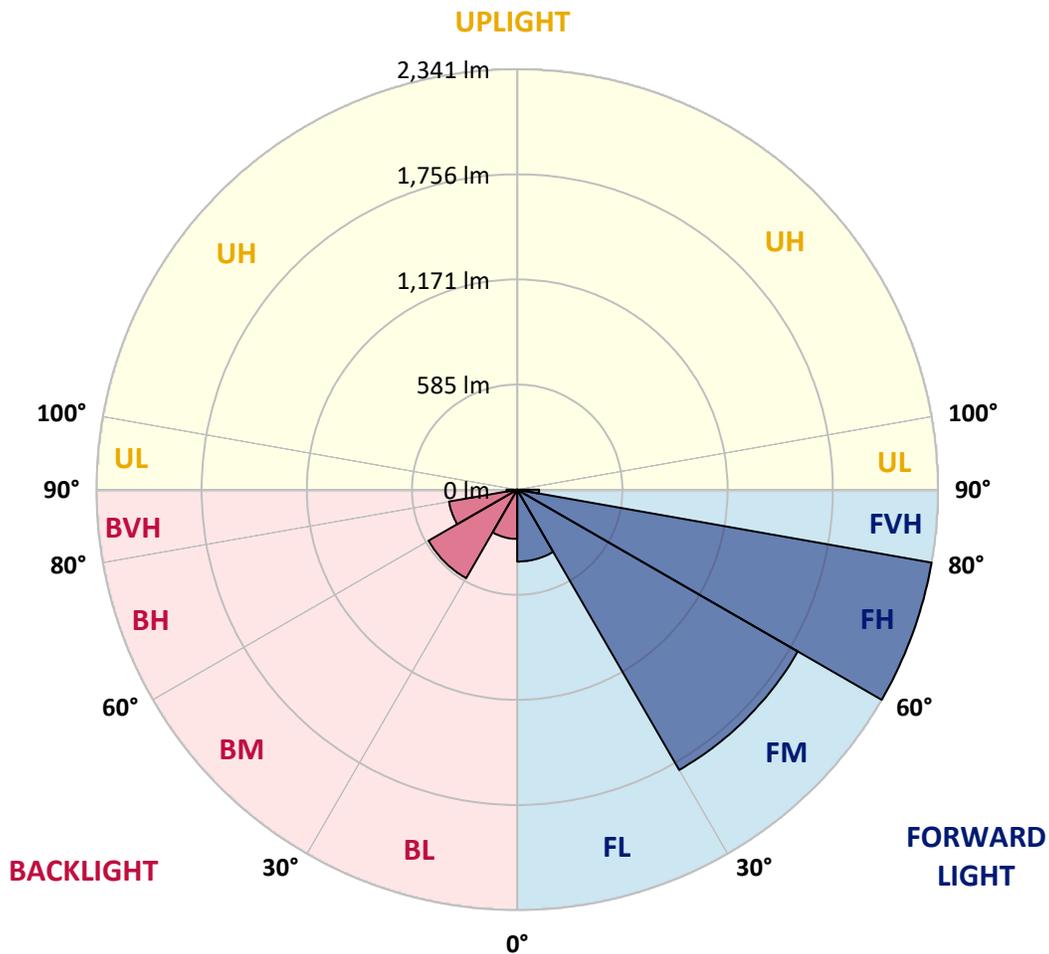
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	400.5	6.7			
FM	(30°-60°)	1802.8	30.3			
FH	(60°-80°)	2341.4	39.3			G2/5000
FVH	(80°-90°)	121.8	2.0			G2/225
BL	(0°-30°)	274.2	4.6	B1/500		
BM	(30°-60°)	569.5	9.6	B1/1000		
BH	(60°-80°)	385.3	6.5	B1/500		G1/500
BVH	(80°-90°)	59.5	1.0			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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5
2.5°	871.5	868.9	868.9	867.0	863.7	859.1	858.4	852.5	846.7	838.1	829.6
5°	922.0	918.0	916.7	914.1	910.8	904.3	904.9	894.5	882.0	865.6	848.6
7.5°	958.0	955.4	954.7	955.4	950.8	947.5	947.5	935.1	922.6	904.9	878.7
10°	970.4	967.1	969.8	975.7	980.2	979.6	982.9	978.3	969.1	954.0	917.4
12.5°	948.1	948.1	949.5	957.3	972.4	984.2	994.6	1013.6	1022.1	1009.0	963.2
15°	914.1	912.1	910.2	913.4	931.8	951.4	973.7	1024.8	1062.1	1061.4	1011.7
17.5°	893.8	892.5	878.7	865.6	875.5	898.4	926.5	1008.4	1087.6	1109.2	1060.1
20°	882.0	879.4	863.0	836.8	832.9	856.5	878.1	975.0	1091.5	1155.1	1106.0
22.5°	872.2	870.9	849.9	815.2	805.4	825.0	847.3	934.4	1077.1	1185.2	1146.6
25°	876.8	874.2	848.0	806.7	794.9	811.3	830.9	902.3	1051.6	1202.2	1179.3
27.5°	899.0	899.0	864.3	815.2	800.2	811.3	826.4	884.6	1024.1	1206.8	1209.4
30°	950.1	948.1	904.3	844.7	820.5	825.0	835.5	878.7	997.3	1198.3	1229.1
32.5°	1039.8	1033.3	978.9	897.7	850.6	846.0	848.0	874.8	969.8	1183.2	1248.0
35°	1202.9	1185.2	1102.0	991.4	904.3	876.1	868.3	878.7	953.4	1172.7	1265.7
37.5°	1420.3	1395.4	1292.6	1136.1	997.3	937.0	910.2	897.7	950.8	1160.3	1282.8
40°	1627.2	1612.1	1490.3	1307.6	1117.7	1033.3	989.4	926.5	954.0	1152.4	1306.3
42.5°	1891.1	1866.8	1725.4	1487.7	1250.0	1128.2	1064.7	965.2	975.0	1157.7	1333.2
45°	2175.2	2170.7	1994.5	1709.0	1415.0	1269.0	1188.5	1037.9	1015.6	1178.6	1373.1
47.5°	2482.3	2461.4	2276.7	1966.4	1602.3	1426.8	1327.3	1121.7	1073.9	1214.0	1426.2
50°	2743.6	2728.5	2538.7	2204.1	1806.6	1599.7	1483.8	1223.2	1146.6	1261.8	1481.8
52.5°	2883.1	2871.9	2755.4	2454.2	2016.1	1795.5	1628.5	1329.2	1237.6	1321.4	1542.7
55°	2849.7	2843.1	2842.5	2642.8	2244.7	1992.6	1793.5	1442.5	1342.3	1392.8	1614.7
57.5°	2840.5	2829.4	2835.3	2773.1	2462.0	2196.2	1976.8	1583.3	1473.3	1478.5	1690.0
60°	2849.7	2843.1	2876.5	2853.6	2666.3	2409.7	2190.3	1754.2	1610.2	1566.3	1757.5
62.5°	2934.8	2919.1	2945.3	2993.7	2889.0	2699.1	2460.1	1957.8	1762.1	1632.4	1809.9
65°	3065.1	3035.6	3044.2	3166.6	3151.5	3014.7	2780.3	2223.0	1904.8	1685.5	1834.1
67.5°	3102.4	3092.6	3114.9	3271.4	3427.9	3404.3	3186.3	2515.7	2044.3	1715.6	1806.6
70°	2948.6	2936.1	3035.6	3277.3	3699.6	3814.9	3612.5	2798.0	2163.5	1704.4	1743.7
72.5°	2427.3	2419.5	2608.7	3016.0	3724.5	3979.2	3837.8	2977.4	2153.6	1599.0	1616.0
75°	1570.2	1544.0	1847.8	2371.7	3342.1	3754.6	3654.4	2751.5	1886.5	1421.6	1392.1
77.5°	555.3	624.0	798.2	1410.4	2539.3	3021.9	2854.3	2063.9	1393.4	1041.8	980.9
80°	193.8	203.6	254.7	528.4	1373.8	1935.6	1800.7	1196.3	744.5	542.8	520.6
82.5°	113.9	119.2	133.6	193.8	505.5	919.3	767.4	502.2	272.4	233.1	204.3
85°	38.6	41.3	69.4	99.5	179.4	265.8	239.0	129.0	105.4	94.3	60.9
87.5°	7.9	9.2	15.1	32.7	60.2	68.1	51.7	31.4	43.9	43.9	21.0
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°	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5	818.5
2.5°	823.7	817.8	807.4	797.5	787.1	779.2	769.4	761.5	762.8	758.3	756.9
5°	837.5	825.0	800.2	774.0	747.1	721.6	700.0	682.3	672.5	667.2	666.6
7.5°	859.8	840.8	796.2	748.4	698.0	663.3	640.4	629.3	628.0	626.6	624.7
10°	894.5	864.3	794.9	718.3	654.8	624.7	620.7	628.6	639.7	645.6	645.6
12.5°	931.1	892.5	794.3	687.5	621.4	611.6	629.3	651.5	669.9	678.4	677.1
15°	970.4	920.6	784.4	652.8	597.8	612.2	643.0	667.2	686.2	694.1	694.7
17.5°	1012.3	946.2	768.1	614.9	580.8	610.9	642.4	663.3	680.3	686.2	684.9
20°	1048.3	969.1	745.2	576.2	565.7	598.5	626.6	642.4	652.2	653.5	653.5
22.5°	1077.8	985.5	711.8	540.2	544.8	576.9	598.5	607.0	610.9	612.9	612.2
25°	1106.6	996.6	673.8	506.8	519.9	548.1	563.8	571.6	574.3	576.2	577.5
27.5°	1126.3	1001.8	629.3	470.1	491.1	515.3	530.4	538.2	544.1	548.1	548.1
30°	1140.0	998.6	582.8	442.6	466.2	486.5	504.2	514.7	523.2	527.8	528.4
32.5°	1153.1	994.6	535.6	415.1	441.3	462.9	483.2	499.0	510.7	516.0	517.9
35°	1162.9	986.1	485.9	394.2	418.4	441.3	464.3	483.9	499.0	508.1	510.1
37.5°	1172.7	977.6	440.0	371.9	398.8	423.7	449.8	468.8	486.5	499.0	502.9
40°	1186.5	971.7	399.4	352.3	383.7	411.2	434.8	457.0	477.3	488.5	492.4
42.5°	1205.5	967.8	364.7	337.9	371.9	403.4	428.2	457.0	481.9	487.2	489.8
45°	1231.0	967.8	336.6	326.1	366.0	403.4	434.1	465.6	485.2	483.2	485.2
47.5°	1259.2	967.8	314.3	315.6	363.4	408.6	443.3	481.3	502.2	508.1	512.1
50°	1298.5	967.8	296.6	306.4	358.8	417.1	474.1	512.7	525.1	527.1	528.4
52.5°	1341.7	976.3	283.5	297.3	357.5	444.6	498.3	511.4	510.7	504.8	504.2
55°	1393.4	991.4	271.7	286.8	362.1	449.8	482.6	486.5	474.1	462.9	460.3
57.5°	1445.8	1010.4	260.0	273.7	343.8	417.8	457.0	453.8	453.1	447.2	446.6
60°	1503.4	1032.0	246.9	252.1	307.1	387.0	422.3	447.9	455.1	449.2	447.9
62.5°	1546.0	1056.8	233.1	228.5	275.7	359.5	409.9	442.0	455.7	455.7	455.1
65°	1566.3	1069.3	220.0	206.9	248.8	330.7	398.1	425.6	442.6	447.2	445.9
67.5°	1542.7	1052.3	210.2	188.6	223.3	301.2	379.1	404.7	426.9	434.1	433.5
70°	1502.1	1038.5	202.3	169.6	201.0	269.8	360.1	387.6	409.9	422.3	421.0
72.5°	1413.7	990.1	182.7	153.2	176.1	244.9	337.2	369.3	390.3	404.0	403.4
75°	1213.3	870.2	152.6	138.2	149.3	220.7	312.3	348.4	363.4	376.5	375.9
77.5°	894.5	654.1	119.8	116.6	125.1	195.1	280.9	316.3	328.1	337.9	335.9
80°	471.5	383.1	94.3	95.6	103.5	168.3	249.5	276.3	286.1	291.4	287.5
82.5°	205.6	165.7	70.1	76.0	81.2	134.9	205.6	229.2	235.7	231.8	220.7
85°	65.5	45.2	41.9	49.8	55.0	89.7	159.8	178.1	189.2	177.5	174.8
87.5°	16.4	15.1	17.7	25.5	28.8	49.8	108.7	112.6	127.7	39.3	36.7
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)