

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: P1208289

Luminaire Tested: UPW-SA1-060-730-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208289
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-060-730-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1050mA 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: 6712 lumens
Efficiency: N/A
Efficacy: 113.8 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): 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

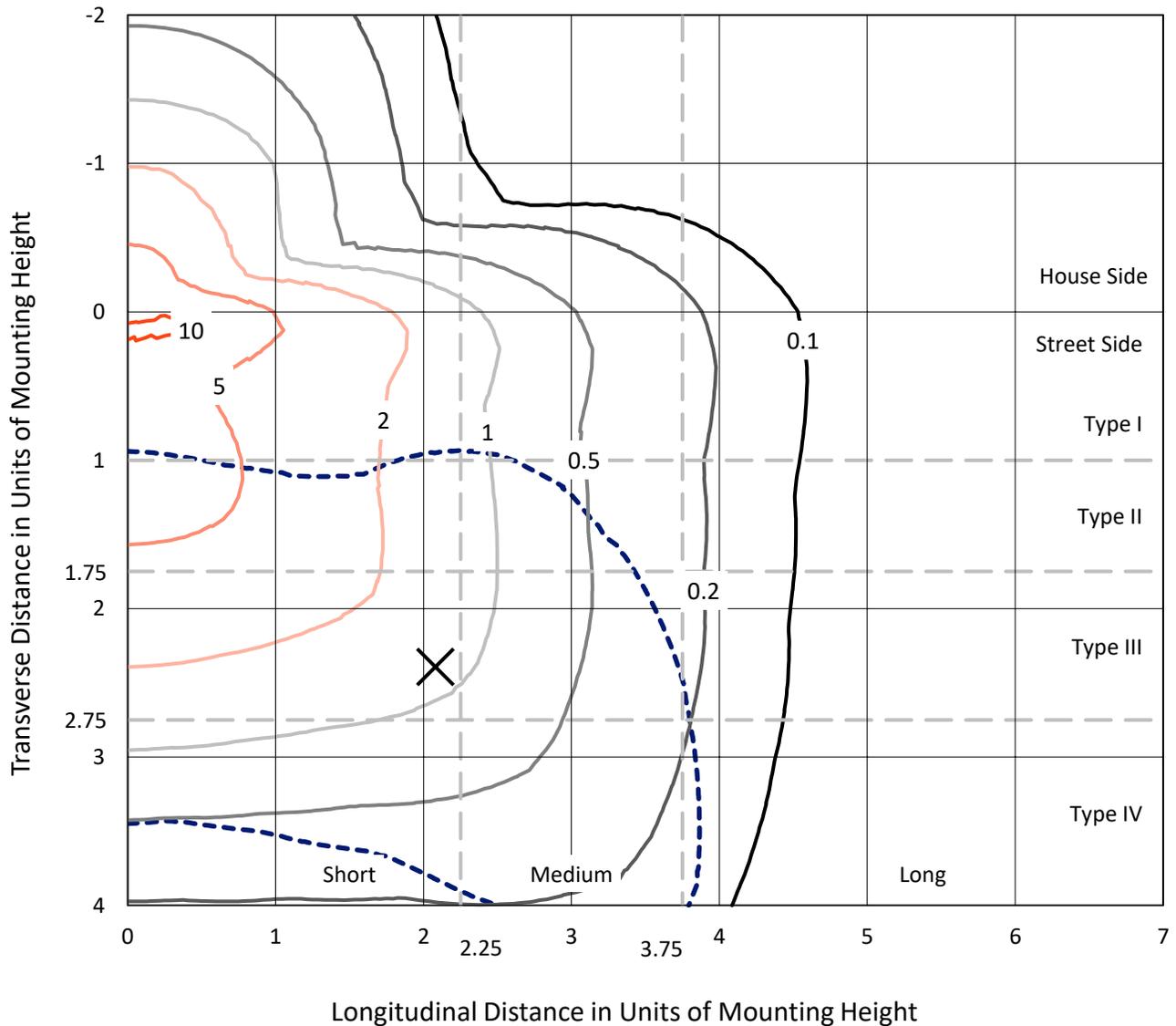


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

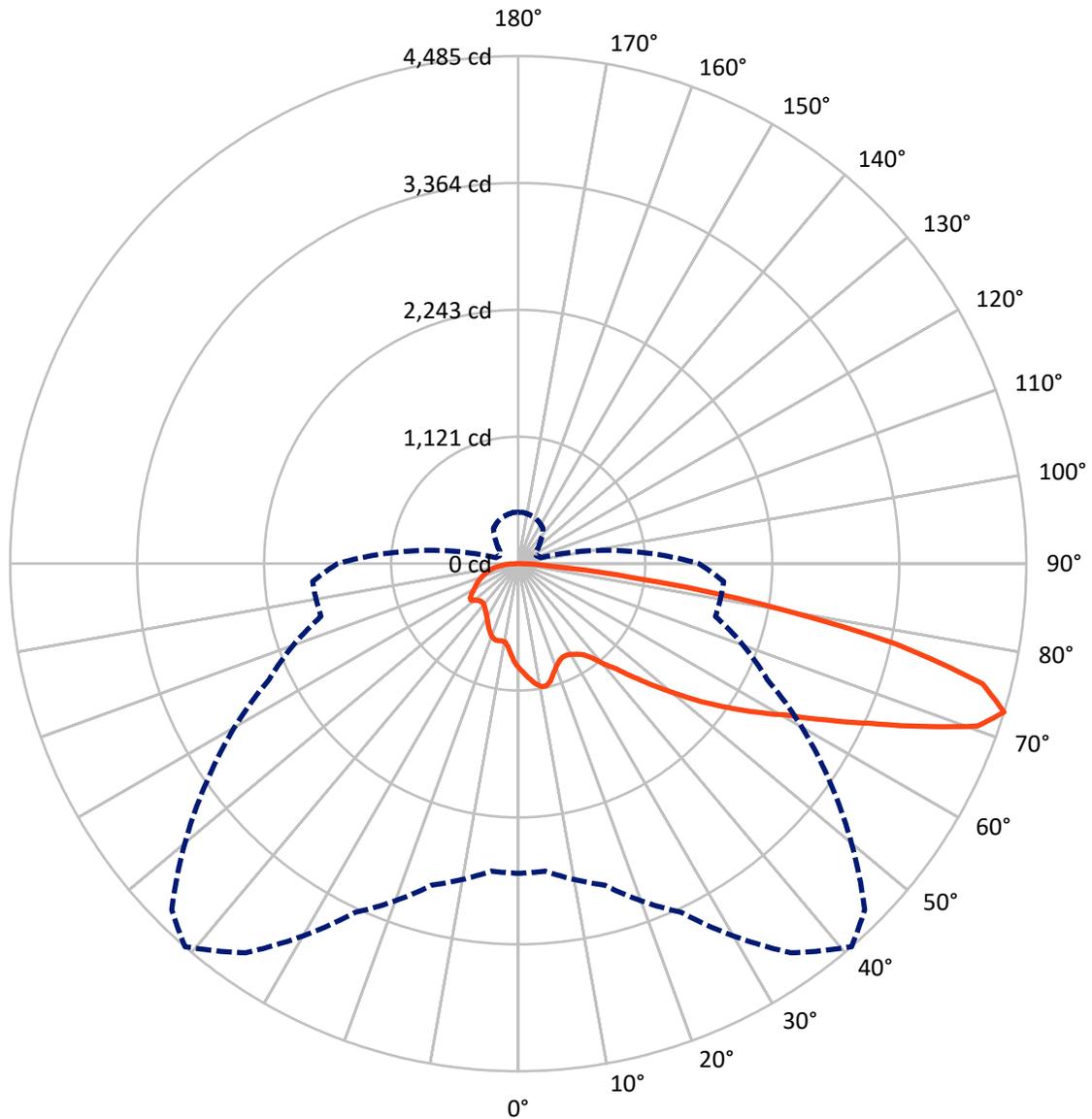


Based on 10 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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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	1452.4	0.0	1452.4
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5259.6	0.0	5259.6
	% Fixture	78.4	0.0	78.4
Total	Lumens	6712.0	0.0	6712.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	88.0	1.3
10°-20°	265.1	3.9
20°-30°	407.4	6.1
30°-40°	560.1	8.3
40°-50°	853.4	12.7
50°-60°	1260.3	18.8
60°-70°	1655.2	24.7
70°-80°	1418.1	21.1
80°-90°	204.3	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°	6712.0	100.0
0°-180°	6712.0	100.0



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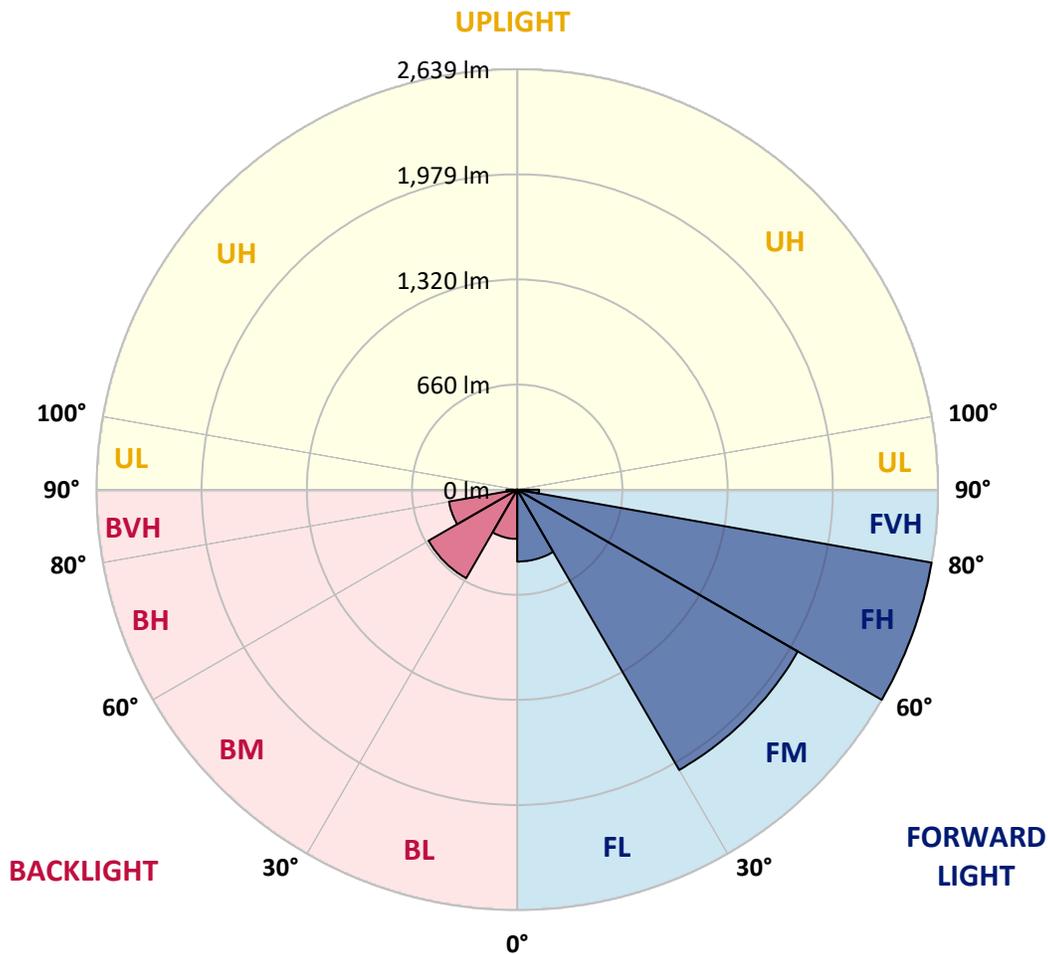
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	451.4	6.7			
FM	(30°-60°)	2032.0	30.3			
FH	(60°-80°)	2639.0	39.3			G2/5000
FVH	(80°-90°)	137.2	2.0			G2/225
BL	(0°-30°)	309.1	4.6	B1/500		
BM	(30°-60°)	641.9	9.6	B1/1000		
BH	(60°-80°)	434.3	6.5	B1/500		G1/500
BVH	(80°-90°)	67.1	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°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5
2.5°	982.3	979.4	979.4	977.2	973.5	968.3	967.6	960.9	954.3	944.7	935.1
5°	1039.2	1034.7	1033.3	1030.3	1026.6	1019.2	1020.0	1008.2	994.1	975.7	956.5
7.5°	1079.7	1076.8	1076.1	1076.8	1071.6	1067.9	1067.9	1053.9	1039.9	1020.0	990.4
10°	1093.8	1090.1	1093.0	1099.7	1104.8	1104.1	1107.8	1102.6	1092.3	1075.3	1034.0
12.5°	1068.7	1068.7	1070.2	1079.0	1096.0	1109.3	1121.1	1142.5	1152.1	1137.3	1085.7
15°	1030.3	1028.1	1025.9	1029.6	1050.2	1072.4	1097.5	1155.0	1197.1	1196.4	1140.3
17.5°	1007.4	1005.9	990.4	975.7	986.8	1012.6	1044.3	1136.6	1225.9	1250.2	1194.9
20°	994.1	991.2	972.7	943.2	938.8	965.4	989.7	1098.9	1230.3	1301.9	1246.5
22.5°	983.1	981.6	958.0	918.9	907.8	929.9	955.0	1053.2	1214.1	1335.8	1292.3
25°	988.2	985.3	955.8	909.3	896.0	914.4	936.6	1017.0	1185.3	1355.0	1329.2
27.5°	1013.3	1013.3	974.2	918.9	901.9	914.4	931.4	997.1	1154.3	1360.2	1363.2
30°	1070.9	1068.7	1019.2	952.1	924.8	929.9	941.7	990.4	1124.0	1350.6	1385.3
32.5°	1172.0	1164.6	1103.4	1011.8	958.7	953.5	955.8	986.0	1093.0	1333.6	1406.7
35°	1355.8	1335.8	1242.1	1117.4	1019.2	987.5	978.6	990.4	1074.6	1321.8	1426.6
37.5°	1600.8	1572.8	1456.9	1280.5	1124.0	1056.1	1025.9	1011.8	1071.6	1307.8	1445.8
40°	1834.0	1817.0	1679.8	1473.9	1259.8	1164.6	1115.2	1044.3	1075.3	1298.9	1472.4
42.5°	2131.5	2104.1	1944.7	1676.8	1408.9	1271.6	1200.0	1087.9	1098.9	1304.8	1502.6
45°	2451.8	2446.6	2248.1	1926.3	1594.9	1430.3	1339.5	1169.8	1144.7	1328.5	1547.7
47.5°	2797.9	2774.3	2566.2	2216.3	1806.0	1608.2	1496.0	1264.3	1210.4	1368.3	1607.4
50°	3092.4	3075.4	2861.4	2484.2	2036.2	1803.0	1672.4	1378.7	1292.3	1422.2	1670.2
52.5°	3249.6	3237.0	3105.7	2766.2	2272.4	2023.7	1835.5	1498.2	1394.9	1489.4	1738.8
55°	3211.9	3204.6	3203.8	2978.7	2530.0	2245.8	2021.5	1625.9	1513.0	1569.8	1820.0
57.5°	3201.6	3189.1	3195.7	3125.6	2775.0	2475.4	2228.1	1784.6	1660.6	1666.5	1904.9
60°	3211.9	3204.6	3242.2	3216.4	3005.3	2716.0	2468.7	1977.2	1814.8	1765.4	1980.9
62.5°	3307.9	3290.2	3319.7	3374.3	3256.2	3042.2	2772.8	2206.7	1986.1	1839.9	2039.9
65°	3454.8	3421.5	3431.1	3569.1	3552.2	3397.9	3133.7	2505.6	2146.9	1899.7	2067.2
67.5°	3496.8	3485.7	3510.8	3687.2	3863.6	3837.1	3591.3	2835.5	2304.2	1933.7	2036.2
70°	3323.4	3309.4	3421.5	3693.9	4169.9	4299.8	4071.7	3153.6	2438.5	1921.1	1965.4
72.5°	2735.9	2727.0	2940.3	3399.4	4198.0	4485.1	4325.6	3355.9	2427.4	1802.3	1821.5
75°	1769.8	1740.3	2082.7	2673.2	3766.9	4231.9	4119.0	3101.2	2126.3	1602.3	1569.1
77.5°	625.9	703.3	899.7	1589.7	2862.1	3406.0	3217.1	2326.3	1570.5	1174.2	1105.6
80°	218.5	229.5	287.1	595.6	1548.4	2181.6	2029.6	1348.4	839.1	611.8	586.7
82.5°	128.4	134.3	150.6	218.5	569.8	1036.2	865.0	566.1	307.0	262.7	230.3
85°	43.5	46.5	78.2	112.2	202.2	299.6	269.4	145.4	118.8	106.3	68.6
87.5°	8.9	10.3	17.0	36.9	67.9	76.8	58.3	35.4	49.4	49.4	23.6
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°	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5	922.5
2.5°	928.5	921.8	910.0	898.9	887.1	878.3	867.2	858.3	859.8	854.6	853.2
5°	943.9	929.9	901.9	872.4	842.1	813.3	789.0	769.0	758.0	752.1	751.3
7.5°	969.0	947.6	897.5	843.6	786.7	747.6	721.8	709.3	707.8	706.3	704.1
10°	1008.2	974.2	896.0	809.6	738.0	704.1	699.7	708.5	721.1	727.7	727.7
12.5°	1049.5	1005.9	895.2	774.9	700.4	689.3	709.3	734.3	755.0	764.6	763.1
15°	1093.8	1037.7	884.2	735.8	673.8	690.1	724.8	752.1	773.5	782.3	783.1
17.5°	1141.0	1066.5	865.7	693.0	654.6	688.6	724.0	747.6	766.8	773.5	772.0
20°	1181.6	1092.3	839.9	649.5	637.7	674.6	706.3	724.0	735.1	736.6	736.6
22.5°	1214.8	1110.7	802.2	608.9	614.0	650.2	674.6	684.2	688.6	690.8	690.1
25°	1247.3	1123.3	759.4	571.2	586.0	617.7	635.4	644.3	647.3	649.5	650.9
27.5°	1269.4	1129.2	709.3	529.9	553.5	580.8	597.8	606.7	613.3	617.7	617.7
30°	1284.9	1125.5	656.9	498.9	525.5	548.4	568.3	580.1	589.7	594.9	595.6
32.5°	1299.7	1121.1	603.7	467.9	497.4	521.8	544.7	562.4	575.7	581.6	583.8
35°	1310.8	1111.5	547.6	444.3	471.6	497.4	523.3	545.4	562.4	572.7	574.9
37.5°	1321.8	1101.9	496.0	419.2	449.5	477.5	507.0	528.4	548.4	562.4	566.8
40°	1337.3	1095.2	450.2	397.1	432.5	463.5	490.1	515.1	538.0	550.6	555.0
42.5°	1358.7	1090.8	411.1	380.8	419.2	454.6	482.7	515.1	543.2	549.1	552.1
45°	1387.5	1090.8	379.4	367.5	412.6	454.6	489.3	524.7	546.9	544.7	546.9
47.5°	1419.2	1090.8	354.3	355.7	409.6	460.5	499.7	542.5	566.1	572.7	577.1
50°	1463.5	1090.8	334.3	345.4	404.4	470.1	534.3	577.9	591.9	594.1	595.6
52.5°	1512.2	1100.4	319.6	335.1	403.0	501.1	561.6	576.4	575.7	569.0	568.3
55°	1570.5	1117.4	306.3	323.3	408.1	507.0	543.9	548.4	534.3	521.8	518.8
57.5°	1629.6	1138.8	293.0	308.5	387.5	470.9	515.1	511.5	510.7	504.1	503.3
60°	1694.5	1163.1	278.2	284.1	346.1	436.2	476.0	504.8	512.9	506.3	504.8
62.5°	1742.5	1191.2	262.7	257.6	310.7	405.2	462.0	498.2	513.7	513.7	512.9
65°	1765.4	1205.2	248.0	233.2	280.5	372.7	448.7	479.7	498.9	504.1	502.6
67.5°	1738.8	1186.0	236.9	212.6	251.7	339.5	427.3	456.1	481.2	489.3	488.6
70°	1693.1	1170.5	228.1	191.2	226.6	304.1	405.9	436.9	462.0	476.0	474.6
72.5°	1593.4	1115.9	205.9	172.7	198.5	276.0	380.1	416.3	439.9	455.4	454.6
75°	1367.6	980.9	172.0	155.7	168.3	248.7	352.0	392.6	409.6	424.4	423.6
77.5°	1008.2	737.3	135.1	131.4	141.0	219.9	316.6	356.5	369.8	380.8	378.6
80°	531.4	431.8	106.3	107.8	116.6	189.7	281.2	311.5	322.5	328.4	324.0
82.5°	231.7	186.7	79.0	85.6	91.5	152.0	231.7	258.3	265.7	261.3	248.7
85°	73.8	50.9	47.2	56.1	62.0	101.1	180.1	200.7	213.3	200.0	197.1
87.5°	18.5	17.0	19.9	28.8	32.5	56.1	122.5	126.9	143.9	44.3	41.3
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)