

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: P1208748

Luminaire Tested: UPW-SA2-070-727-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208748  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-070-727-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 7937 lumens  
Efficiency: N/A  
Efficacy: 120.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B2 - U0 - G2

Input Watts (W): 66  
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

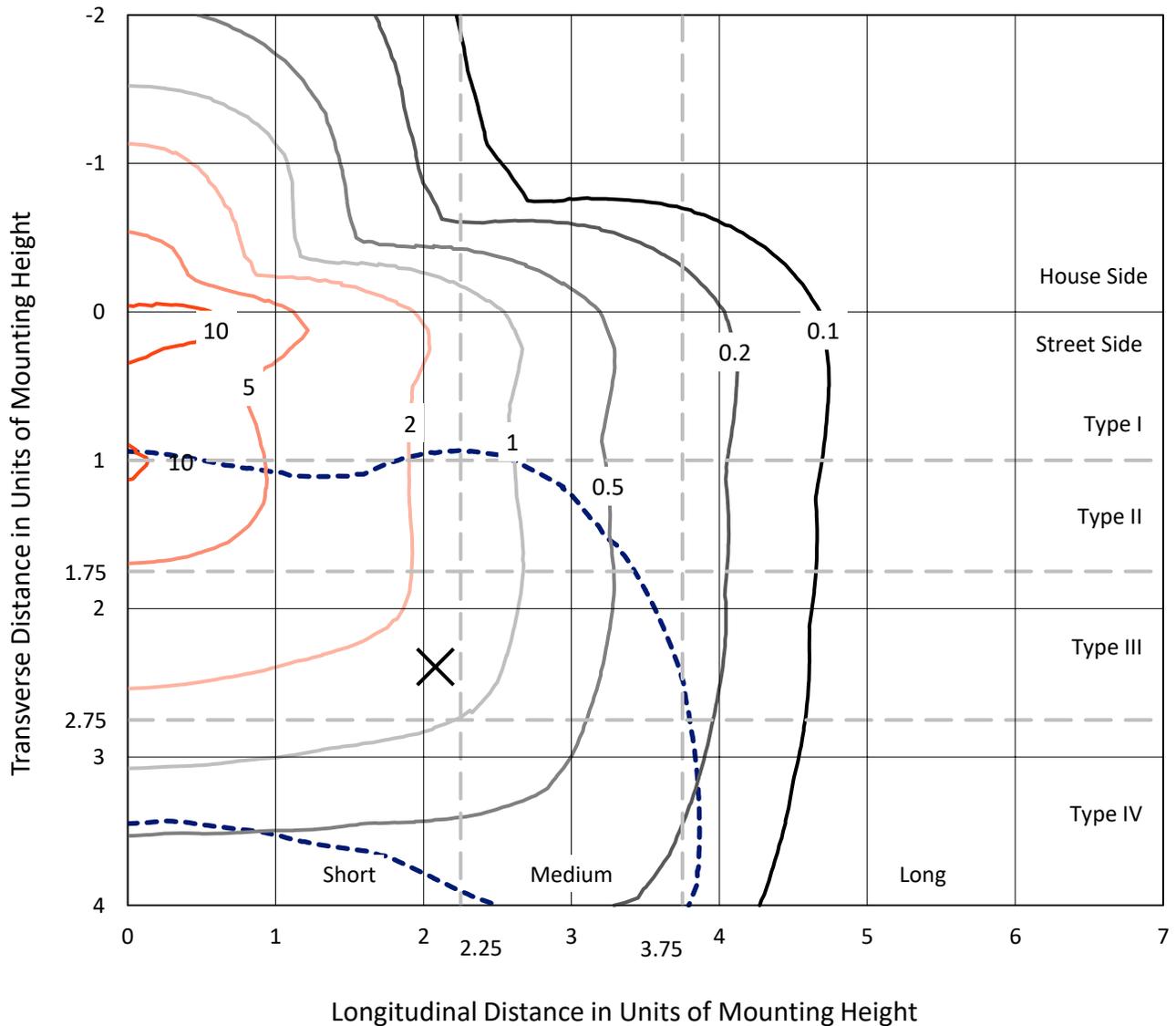


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

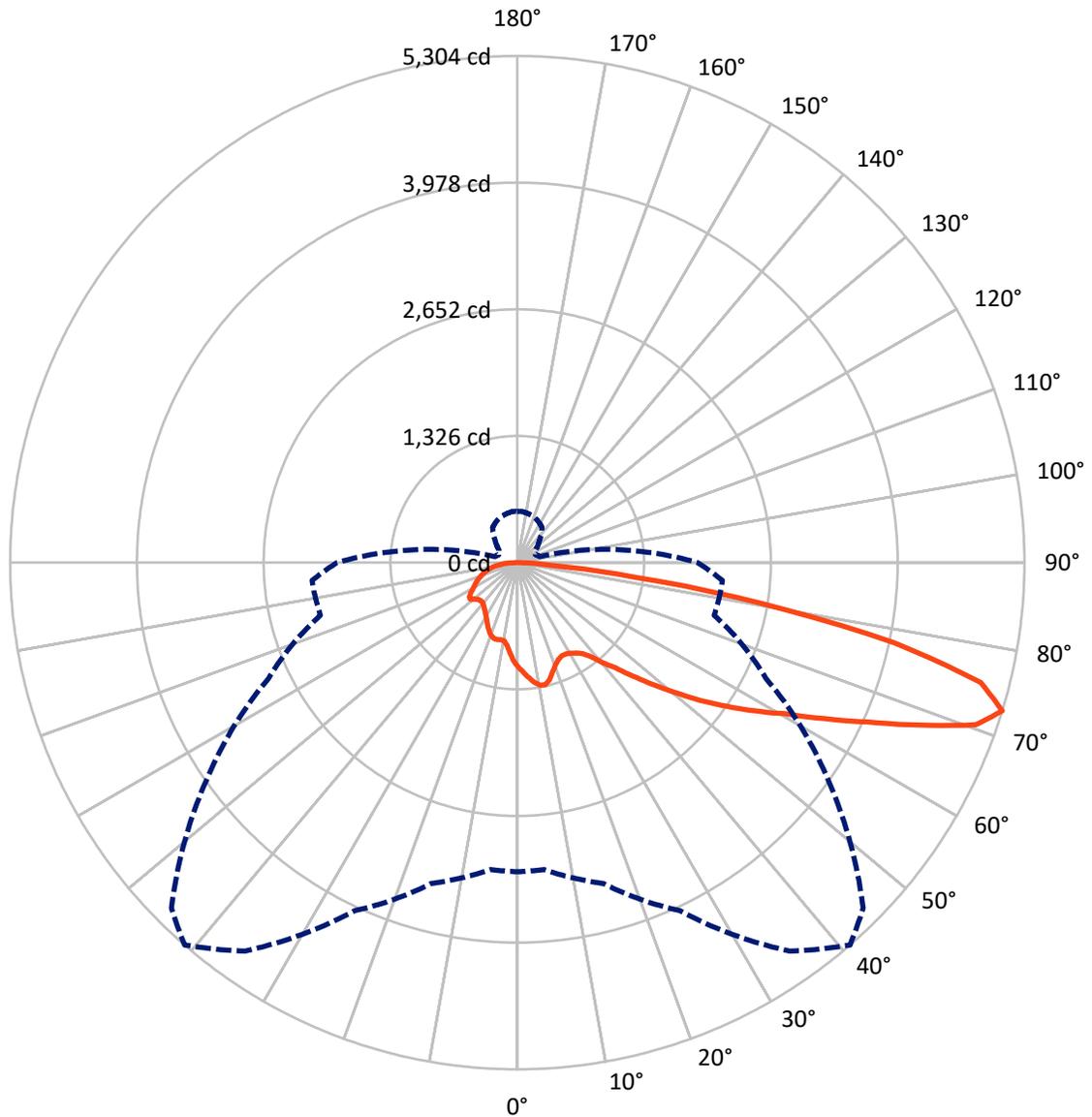


Based on 10 foot mounting height. Maximum calculated value = 12.6 fc  
 Type IV - Short - N/A

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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
<b>House Side</b>	Lumens	1717.5	0.0	1717.5
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	6219.5	0.0	6219.5
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	7937.0	0.0	7937.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	104.1	1.3
10°-20°	313.5	3.9
20°-30°	481.8	6.1
30°-40°	662.3	8.3
40°-50°	1009.2	12.7
50°-60°	1490.3	18.8
60°-70°	1957.2	24.7
70°-80°	1677.0	21.1
80°-90°	241.6	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°	7937.0	100.0
0°-180°	7937.0	100.0



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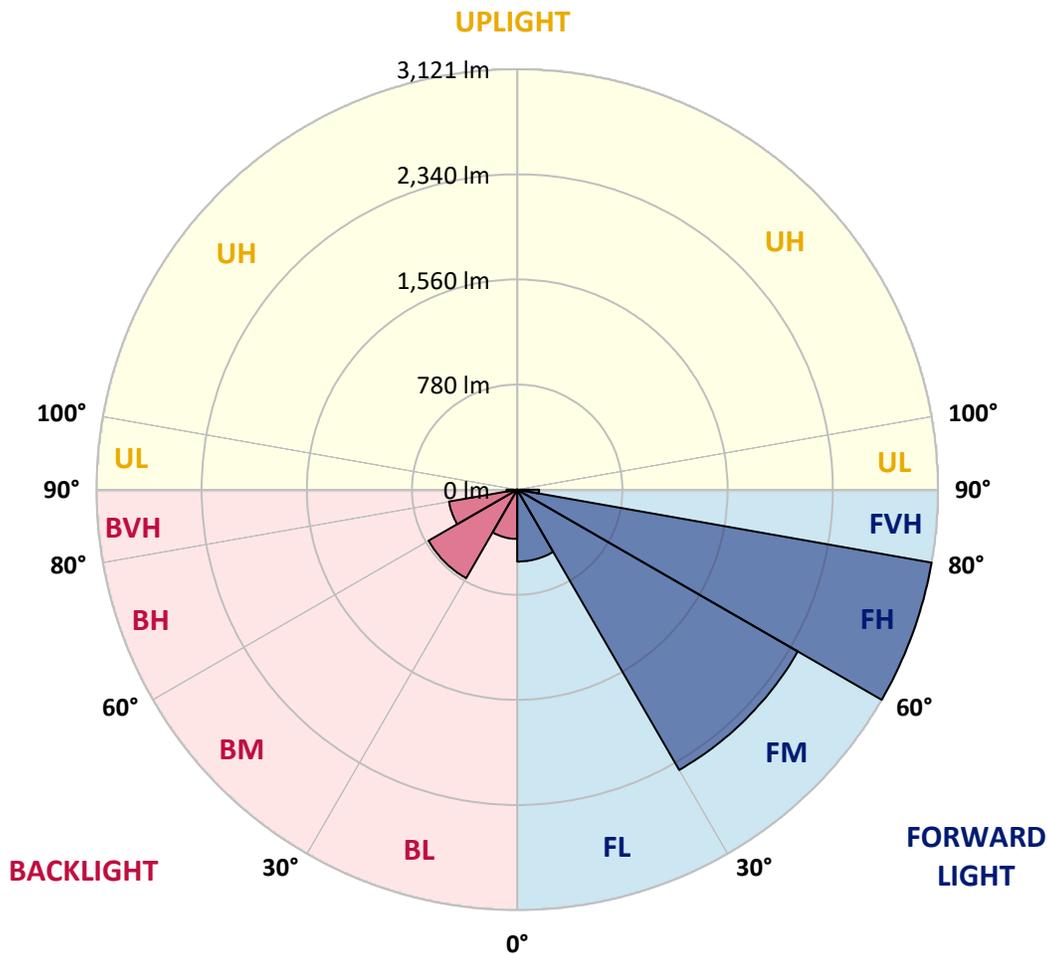
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	533.8	6.7			
FM	(30°-60°)	2402.8	30.3			
FH	(60°-80°)	3120.7	39.3			G2/5000
FVH	(80°-90°)	162.3	2.0			G2/225
BL	(0°-30°)	365.5	4.6	B1/500		
BM	(30°-60°)	759.1	9.6	B1/1000		
BH	(60°-80°)	513.5	6.5	B2/1000		G2/1000
BVH	(80°-90°)	79.3	1.0			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1161.6	1158.1	1158.1	1155.5	1151.1	1145.0	1144.2	1136.3	1128.4	1117.1	1105.8
5°	1228.8	1223.6	1221.8	1218.3	1214.0	1205.2	1206.1	1192.2	1175.6	1153.8	1131.1
7.5°	1276.8	1273.3	1272.4	1273.3	1267.2	1262.8	1262.8	1246.3	1229.7	1206.1	1171.2
10°	1293.4	1289.0	1292.5	1300.4	1306.5	1305.6	1310.0	1303.9	1291.6	1271.6	1222.7
12.5°	1263.7	1263.7	1265.5	1275.9	1296.0	1311.7	1325.7	1351.0	1362.3	1344.9	1283.8
15°	1218.3	1215.7	1213.1	1217.5	1241.9	1268.1	1297.8	1365.8	1415.6	1414.7	1348.4
17.5°	1191.3	1189.5	1171.2	1153.8	1166.8	1197.4	1234.9	1344.0	1449.6	1478.4	1413.0
20°	1175.6	1172.1	1150.3	1115.4	1110.1	1141.5	1170.3	1299.5	1454.8	1539.5	1474.0
22.5°	1162.5	1160.7	1132.8	1086.6	1073.5	1099.6	1129.3	1245.4	1435.6	1579.7	1528.2
25°	1168.6	1165.1	1130.2	1075.2	1059.5	1081.3	1107.5	1202.6	1401.6	1602.3	1571.8
27.5°	1198.3	1198.3	1152.0	1086.6	1066.5	1081.3	1101.4	1179.1	1365.0	1608.5	1611.9
30°	1266.3	1263.7	1205.2	1125.8	1093.5	1099.6	1113.6	1171.2	1329.2	1597.1	1638.1
32.5°	1385.9	1377.2	1304.7	1196.5	1133.7	1127.6	1130.2	1166.0	1292.5	1577.0	1663.4
35°	1603.2	1579.7	1468.8	1321.3	1205.2	1167.7	1157.2	1171.2	1270.7	1563.1	1687.0
37.5°	1893.0	1859.8	1722.8	1514.2	1329.2	1248.9	1213.1	1196.5	1267.2	1546.5	1709.7
40°	2168.7	2148.7	1986.3	1742.9	1489.8	1377.2	1318.7	1234.9	1271.6	1536.0	1741.1
42.5°	2520.5	2488.2	2299.7	1982.9	1666.1	1503.7	1419.1	1286.4	1299.5	1543.0	1776.9
45°	2899.2	2893.1	2658.4	2277.8	1886.0	1691.4	1584.0	1383.3	1353.6	1570.9	1830.1
47.5°	3308.5	3280.6	3034.5	2620.8	2135.6	1901.7	1769.0	1495.0	1431.3	1618.1	1900.8
50°	3656.8	3636.7	3383.6	2937.6	2407.9	2132.1	1977.6	1630.3	1528.2	1681.8	1975.0
52.5°	3842.7	3827.8	3672.5	3271.0	2687.2	2393.0	2170.5	1771.7	1649.5	1761.2	2056.2
55°	3798.1	3789.4	3788.5	3522.4	2991.7	2655.7	2390.4	1922.6	1789.1	1856.3	2152.2
57.5°	3785.9	3771.1	3778.9	3696.0	3281.5	2927.2	2634.8	2110.3	1963.7	1970.6	2252.5
60°	3798.1	3789.4	3833.9	3803.4	3553.8	3211.7	2919.3	2338.1	2146.1	2087.6	2342.4
62.5°	3911.6	3890.7	3925.6	3990.1	3850.5	3597.4	3278.9	2609.5	2348.5	2175.7	2412.2
65°	4085.3	4046.0	4057.3	4220.5	4200.5	4018.1	3705.6	2962.9	2538.8	2246.4	2444.5
67.5°	4135.0	4121.9	4151.6	4360.2	4568.8	4537.4	4246.7	3353.0	2724.7	2286.6	2407.9
70°	3929.9	3913.3	4046.0	4368.0	4931.0	5084.6	4814.9	3729.2	2883.5	2271.7	2324.1
72.5°	3235.2	3224.8	3477.0	4019.8	4964.1	5303.6	5115.1	3968.3	2870.4	2131.2	2153.9
75°	2092.8	2057.9	2462.9	3161.0	4454.4	5004.3	4870.7	3667.2	2514.4	1894.7	1855.4
77.5°	740.1	831.7	1063.9	1879.9	3384.5	4027.7	3804.3	2750.9	1857.2	1388.5	1307.4
80°	258.3	271.4	339.5	704.3	1831.0	2579.8	2400.0	1594.5	992.3	723.5	693.8
82.5°	151.9	158.8	178.0	258.3	673.8	1225.3	1022.8	669.4	363.1	310.7	272.3
85°	51.5	55.0	92.5	132.7	239.1	354.3	318.5	171.9	140.5	125.7	81.2
87.5°	10.5	12.2	20.1	43.6	80.3	90.8	68.9	41.9	58.5	58.5	27.9
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°	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9	1090.9
2.5°	1097.9	1090.0	1076.1	1063.0	1049.0	1038.6	1025.5	1015.0	1016.7	1010.6	1008.9
5°	1116.2	1099.6	1066.5	1031.6	995.8	961.8	933.0	909.4	896.3	889.3	888.4
7.5°	1145.9	1120.6	1061.2	997.5	930.3	884.1	853.5	838.7	837.0	835.2	832.6
10°	1192.2	1152.0	1059.5	957.4	872.7	832.6	827.4	837.8	852.7	860.5	860.5
12.5°	1241.0	1189.5	1058.6	916.4	828.2	815.1	838.7	868.4	892.8	904.2	902.4
15°	1293.4	1227.1	1045.5	870.1	796.8	816.0	857.0	889.3	914.6	925.1	926.0
17.5°	1349.2	1261.1	1023.7	819.5	774.1	814.3	856.2	884.1	906.8	914.6	912.9
20°	1397.2	1291.6	993.2	768.0	754.0	797.7	835.2	856.2	869.2	871.0	871.0
22.5°	1436.5	1313.5	948.7	720.0	726.1	768.9	797.7	809.0	814.3	816.9	816.0
25°	1474.9	1328.3	898.0	675.5	693.0	730.5	751.4	761.9	765.4	768.0	769.8
27.5°	1501.1	1335.3	838.7	626.6	654.6	686.8	706.9	717.4	725.2	730.5	730.5
30°	1519.4	1330.9	776.7	590.0	621.4	648.4	672.0	686.0	697.3	703.4	704.3
32.5°	1536.9	1325.7	713.9	553.3	588.2	617.0	644.1	665.0	680.7	687.7	690.3
35°	1550.0	1314.3	647.6	525.4	557.7	588.2	618.8	645.0	665.0	677.2	679.9
37.5°	1563.1	1303.0	586.5	495.7	531.5	564.7	599.6	624.9	648.4	665.0	670.3
40°	1581.4	1295.1	532.4	469.5	511.4	548.1	579.5	609.2	636.2	651.1	656.3
42.5°	1606.7	1289.9	486.1	450.3	495.7	537.6	570.8	609.2	642.3	649.3	652.8
45°	1640.7	1289.9	448.6	434.6	487.9	537.6	578.6	620.5	646.7	644.1	646.7
47.5°	1678.3	1289.9	418.9	420.7	484.4	544.6	590.8	641.5	669.4	677.2	682.5
50°	1730.6	1289.9	395.3	408.4	478.3	555.9	631.9	683.4	699.9	702.6	704.3
52.5°	1788.2	1301.2	377.9	396.2	476.5	592.6	664.2	681.6	680.7	672.9	672.0
55°	1857.2	1321.3	362.2	382.3	482.6	599.6	643.2	648.4	631.9	617.0	613.5
57.5°	1927.0	1346.6	346.5	364.8	458.2	556.8	609.2	604.8	603.9	596.1	595.2
60°	2003.8	1375.4	329.0	336.0	409.3	515.8	562.9	597.0	606.6	598.7	597.0
62.5°	2060.5	1408.6	310.7	304.6	367.4	479.1	546.3	589.1	607.4	607.4	606.6
65°	2087.6	1425.2	293.2	275.8	331.6	440.7	530.6	567.3	590.0	596.1	594.3
67.5°	2056.2	1402.5	280.1	251.3	297.6	401.5	505.3	539.4	569.0	578.6	577.8
70°	2002.1	1384.2	269.7	226.0	267.9	359.6	480.0	516.7	546.3	562.9	561.2
72.5°	1884.2	1319.6	243.5	204.2	234.8	326.4	449.5	492.2	520.2	538.5	537.6
75°	1617.2	1159.9	203.3	184.1	199.0	294.1	416.3	464.3	484.4	501.8	501.0
77.5°	1192.2	871.9	159.7	155.3	166.7	260.1	374.4	421.5	437.2	450.3	447.7
80°	628.4	510.6	125.7	127.4	137.9	224.3	332.5	368.3	381.4	388.4	383.1
82.5°	274.0	220.8	93.4	101.2	108.2	179.8	274.0	305.5	314.2	308.9	294.1
85°	87.3	60.2	55.9	66.3	73.3	119.6	212.9	237.4	252.2	236.5	233.0
87.5°	21.8	20.1	23.6	34.0	38.4	66.3	144.9	150.1	170.2	52.4	48.9
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)