

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: P1208775

Luminaire Tested: UPW-SA2-070-730-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208775
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-SA2-070-730-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 3000K, 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: 8643 lumens
Efficiency: N/A
Efficacy: 131.0 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

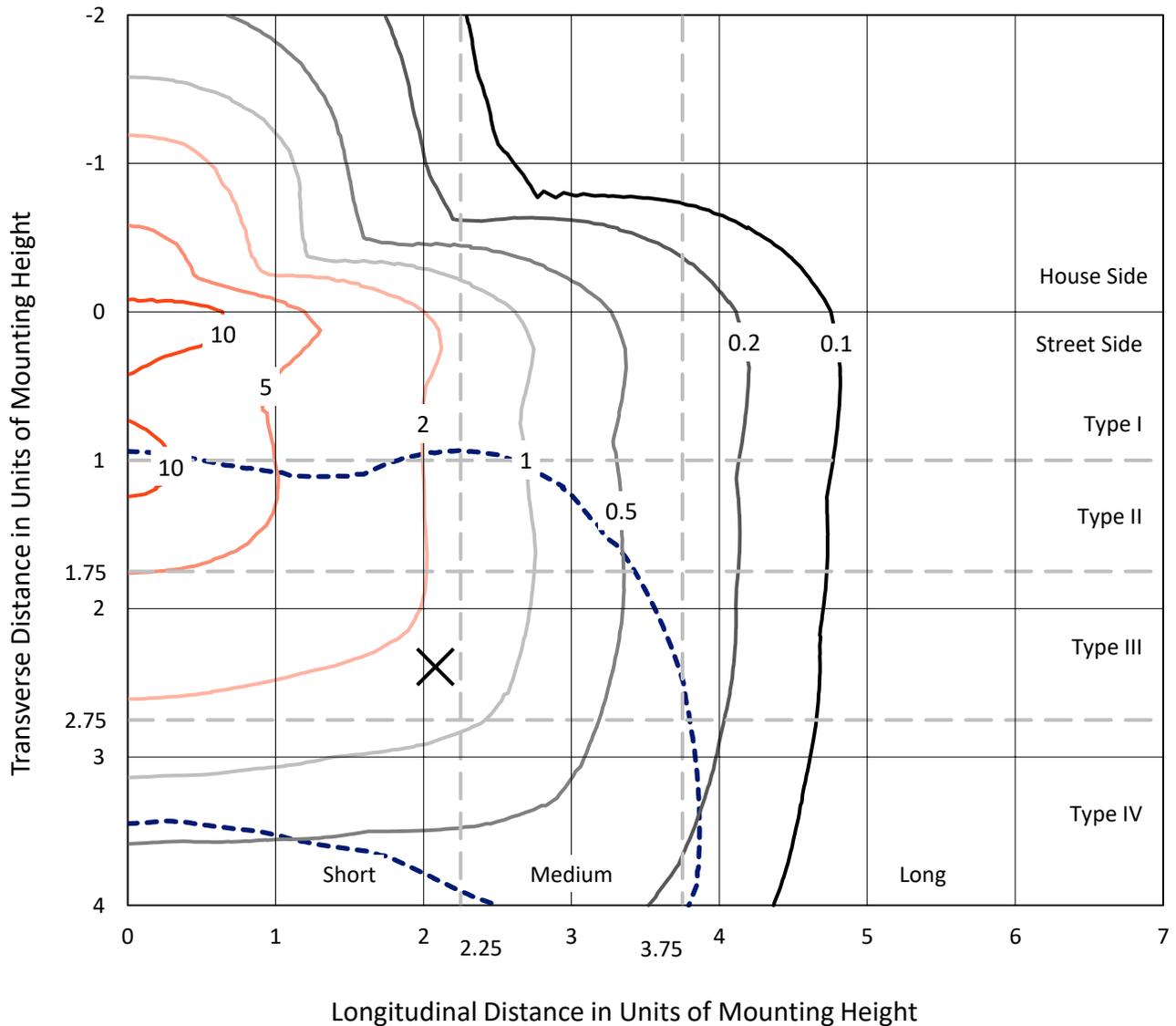


REPORT NUMBER: P1208775

CATALOG NUMBER: UPW-SA2-070-730-U-SL4

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

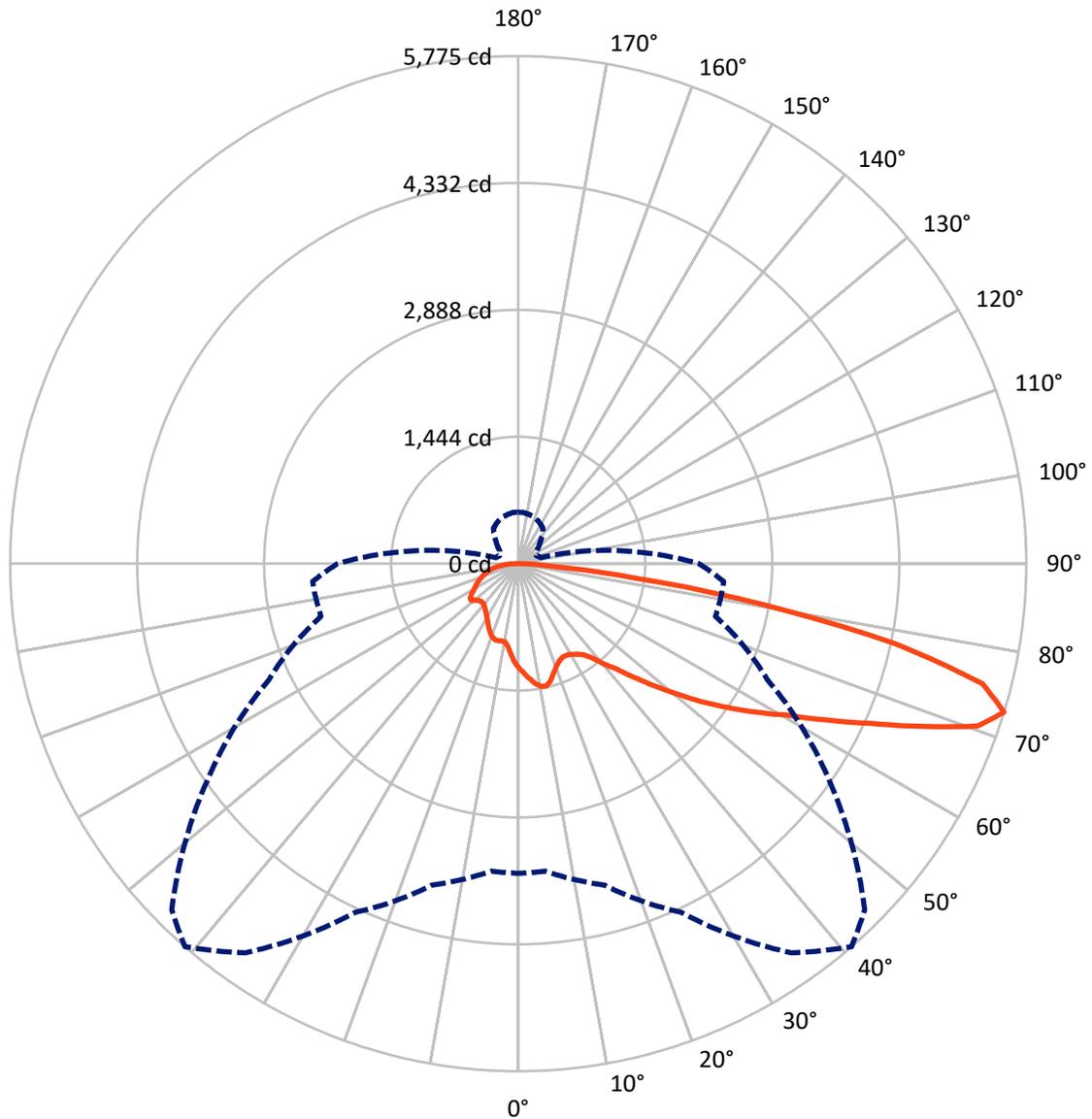


Based on 10 foot mounting height. Maximum calculated value = 13.8 fc
 Type IV - Short - N/A

REPORT NUMBER: P1208775

CATALOG NUMBER: UPW-SA2-070-730-U-SL4

Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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CATALOG NUMBER: UPW-SA2-070-730-U-SL4

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1870.2	0.0	1870.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	6772.8	0.0	6772.8
	% Fixture	78.4	0.0	78.4
Total	Lumens	8643.0	0.0	8643.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	113.3	1.3
10°-20°	341.4	3.9
20°-30°	524.6	6.1
30°-40°	721.2	8.3
40°-50°	1099.0	12.7
50°-60°	1622.9	18.8
60°-70°	2131.3	24.7
70°-80°	1826.1	21.1
80°-90°	263.1	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°	8643.0	100.0
0°-180°	8643.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1208775

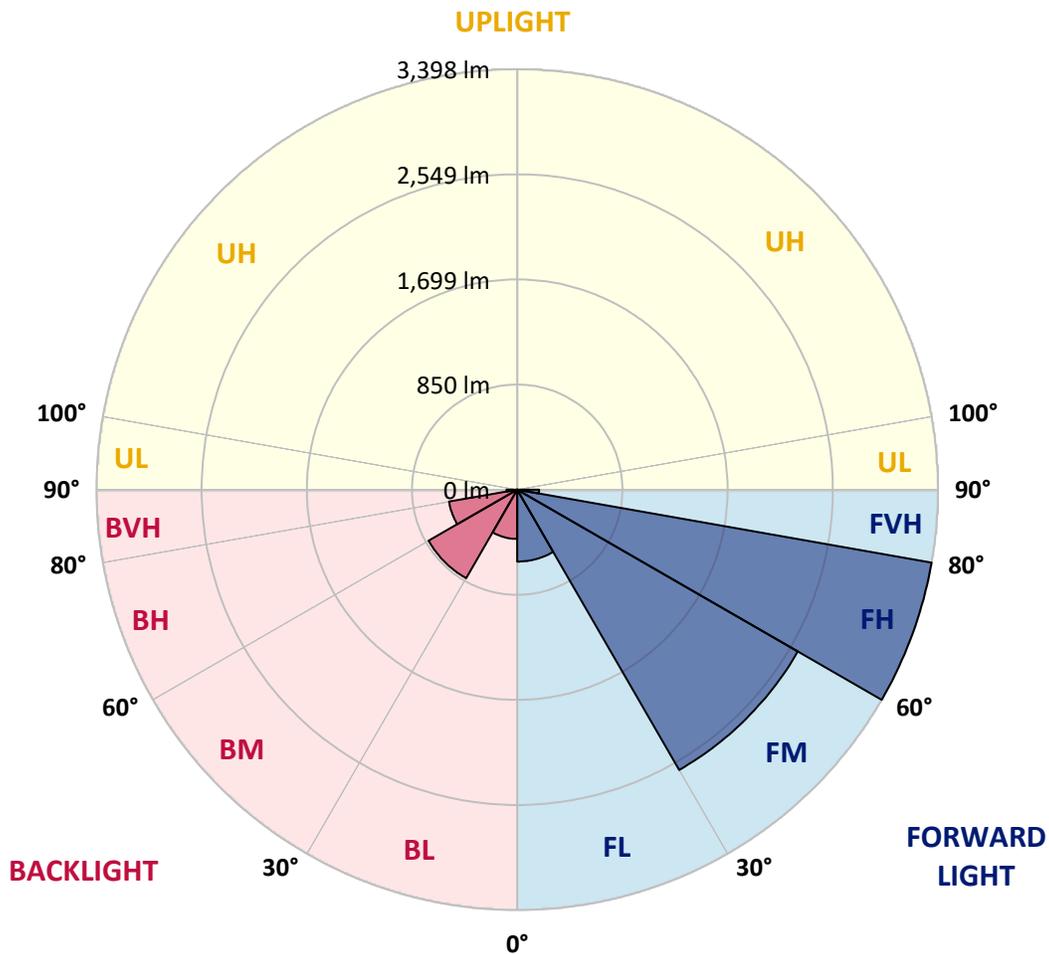
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	581.3	6.7			
FM	(30°-60°)	2616.5	30.3			
FH	(60°-80°)	3398.2	39.3			G2/5000
FVH	(80°-90°)	176.7	2.0			G2/225
BL	(0°-30°)	398.0	4.6	B1/500		
BM	(30°-60°)	826.6	9.6	B1/1000		
BH	(60°-80°)	559.2	6.5	B2/1000		G2/1000
BVH	(80°-90°)	86.4	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





REPORT NUMBER: P1208775

CATALOG NUMBER: UPW-SA2-070-730-U-SL4

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0
2.5°	1264.9	1261.1	1261.1	1258.3	1253.5	1246.9	1245.9	1237.4	1228.8	1216.5	1204.1
5°	1338.1	1332.4	1330.5	1326.7	1322.0	1312.5	1313.4	1298.2	1280.1	1256.4	1231.7
7.5°	1390.4	1386.6	1385.6	1386.6	1379.9	1375.2	1375.2	1357.1	1339.1	1313.4	1275.4
10°	1408.4	1403.7	1407.5	1416.0	1422.7	1421.7	1426.5	1419.8	1406.5	1384.7	1331.5
12.5°	1376.1	1376.1	1378.0	1389.4	1411.3	1428.4	1443.6	1471.2	1483.5	1464.5	1398.0
15°	1326.7	1323.9	1321.0	1325.8	1352.4	1380.9	1413.2	1487.3	1541.5	1540.5	1468.3
17.5°	1297.2	1295.3	1275.4	1256.4	1270.6	1303.9	1344.8	1463.6	1578.6	1609.9	1538.6
20°	1280.1	1276.3	1252.6	1214.6	1208.9	1243.1	1274.4	1415.1	1584.3	1676.4	1605.2
22.5°	1265.9	1264.0	1233.6	1183.2	1168.9	1197.5	1229.8	1356.2	1563.4	1720.2	1664.1
25°	1272.5	1268.7	1230.7	1170.9	1153.7	1177.5	1206.0	1309.6	1526.3	1744.9	1711.6
27.5°	1304.9	1304.9	1254.5	1183.2	1161.3	1177.5	1199.4	1283.9	1486.4	1751.5	1755.3
30°	1379.0	1376.1	1312.5	1226.0	1190.8	1197.5	1212.7	1275.4	1447.4	1739.2	1783.8
32.5°	1509.2	1499.7	1420.8	1303.0	1234.5	1227.9	1230.7	1269.7	1407.5	1717.3	1811.4
35°	1745.8	1720.2	1599.5	1438.9	1312.5	1271.6	1260.2	1275.4	1383.7	1702.1	1837.1
37.5°	2061.3	2025.2	1876.0	1648.9	1447.4	1360.0	1321.0	1303.0	1379.9	1684.0	1861.8
40°	2361.7	2339.8	2163.0	1897.9	1622.3	1499.7	1436.0	1344.8	1384.7	1672.6	1896.0
42.5°	2744.7	2709.5	2504.2	2159.2	1814.2	1637.5	1545.3	1400.8	1415.1	1680.2	1934.9
45°	3157.1	3150.5	2894.8	2480.5	2053.7	1841.8	1724.9	1506.3	1474.0	1710.7	1992.9
47.5°	3602.8	3572.4	3304.4	2853.9	2325.5	2070.8	1926.4	1628.0	1558.6	1762.0	2069.9
50°	3982.0	3960.2	3684.6	3198.9	2622.1	2321.7	2153.5	1775.3	1664.1	1831.4	2150.7
52.5°	4184.5	4168.3	3999.1	3562.0	2926.2	2605.9	2363.6	1929.2	1796.2	1917.8	2239.1
55°	4136.0	4126.5	4125.5	3835.7	3257.9	2892.0	2603.1	2093.7	1948.2	2021.4	2343.6
57.5°	4122.7	4106.5	4115.1	4024.8	3573.4	3187.5	2869.2	2298.0	2138.3	2145.9	2452.9
60°	4136.0	4126.5	4175.0	4141.7	3869.9	3497.3	3179.0	2546.0	2336.9	2273.3	2550.8
62.5°	4259.5	4236.7	4274.7	4345.1	4193.0	3917.4	3570.5	2841.6	2557.4	2369.3	2626.8
65°	4448.7	4405.9	4418.2	4596.0	4574.1	4375.5	4035.3	3226.5	2764.6	2446.2	2662.0
67.5°	4502.8	4488.6	4520.9	4748.0	4975.2	4941.0	4624.5	3651.3	2967.0	2490.0	2622.1
70°	4279.5	4261.4	4405.9	4756.6	5369.6	5536.8	5243.2	4060.9	3140.0	2473.8	2530.8
72.5°	3523.0	3511.6	3786.3	4377.4	5405.7	5775.4	5570.1	4321.3	3125.8	2320.8	2345.5
75°	2279.0	2241.0	2681.9	3442.2	4850.7	5449.4	5304.0	3993.4	2738.0	2063.2	2020.5
77.5°	805.9	905.7	1158.5	2047.1	3685.5	4385.9	4142.6	2995.6	2022.4	1512.0	1423.6
80°	281.3	295.6	369.7	766.9	1993.9	2809.3	2613.5	1736.3	1080.6	787.9	755.5
82.5°	165.4	173.0	193.9	281.3	733.7	1334.3	1113.8	728.9	395.4	338.3	296.5
85°	56.1	59.9	100.7	144.5	260.4	385.8	346.9	187.2	153.0	136.9	88.4
87.5°	11.4	13.3	21.9	47.5	87.4	98.8	75.1	45.6	63.7	63.7	30.4
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208775

CATALOG NUMBER: UPW-SA2-070-730-U-SL4

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0	1188.0
2.5°	1195.6	1187.0	1171.8	1157.5	1142.3	1130.9	1116.7	1105.3	1107.2	1100.5	1098.6
5°	1215.5	1197.5	1161.3	1123.3	1084.4	1047.3	1015.9	990.3	976.0	968.4	967.5
7.5°	1247.8	1220.3	1155.6	1086.3	1013.1	962.7	929.5	913.3	911.4	909.5	906.6
10°	1298.2	1254.5	1153.7	1042.6	950.4	906.6	900.9	912.4	928.5	937.1	937.1
12.5°	1351.4	1295.3	1152.8	997.9	901.9	887.6	913.3	945.6	972.2	984.6	982.7
15°	1408.4	1336.2	1138.5	947.5	867.7	888.6	933.3	968.4	996.0	1007.4	1008.3
17.5°	1469.3	1373.3	1114.8	892.4	843.0	886.7	932.3	962.7	987.4	996.0	994.1
20°	1521.5	1406.5	1081.5	836.3	821.1	868.6	909.5	932.3	946.6	948.5	948.5
22.5°	1564.3	1430.3	1033.0	784.1	790.7	837.3	868.6	881.0	886.7	889.5	888.6
25°	1606.1	1446.5	977.9	735.6	754.6	795.5	818.3	829.7	833.5	836.3	838.2
27.5°	1634.6	1454.1	913.3	682.4	712.8	747.9	769.8	781.2	789.8	795.5	795.5
30°	1654.6	1449.3	845.8	642.4	676.7	706.1	731.8	747.0	759.3	766.0	766.9
32.5°	1673.6	1443.6	777.4	602.5	640.5	671.9	701.4	724.2	741.3	748.9	751.7
35°	1687.8	1431.3	705.2	572.1	607.3	640.5	673.8	702.3	724.2	737.5	740.3
37.5°	1702.1	1418.9	638.6	539.8	578.8	614.9	652.9	680.5	706.1	724.2	729.9
40°	1722.1	1410.3	579.7	511.3	556.9	596.8	631.0	663.4	692.8	709.0	714.7
42.5°	1749.6	1404.6	529.4	490.4	539.8	585.4	621.5	663.4	699.5	707.1	710.9
45°	1786.7	1404.6	488.5	473.3	531.3	585.4	630.1	675.7	704.2	701.4	704.2
47.5°	1827.6	1404.6	456.2	458.1	527.5	593.0	643.4	698.5	728.9	737.5	743.2
50°	1884.6	1404.6	430.5	444.8	520.8	605.4	688.1	744.1	762.2	765.0	766.9
52.5°	1947.3	1417.0	411.5	431.5	518.9	645.3	723.2	742.2	741.3	732.7	731.8
55°	2022.4	1438.9	394.4	416.3	525.6	652.9	700.4	706.1	688.1	671.9	668.1
57.5°	2098.4	1466.4	377.3	397.3	498.9	606.3	663.4	658.6	657.7	649.1	648.1
60°	2182.0	1497.8	358.3	365.9	445.7	561.7	613.0	650.1	660.5	652.0	650.1
62.5°	2243.8	1533.9	338.3	331.7	400.1	521.8	594.9	641.5	661.5	661.5	660.5
65°	2273.3	1551.9	319.3	300.3	361.1	479.9	577.8	617.7	642.4	649.1	647.2
67.5°	2239.1	1527.2	305.1	273.7	324.1	437.2	550.3	587.3	619.6	630.1	629.1
70°	2180.1	1507.3	293.7	246.1	291.8	391.6	522.7	562.6	594.9	613.0	611.1
72.5°	2051.8	1437.0	265.2	222.4	255.6	355.4	489.4	536.0	566.4	586.4	585.4
75°	1761.0	1263.0	221.4	200.5	216.7	320.3	453.3	505.6	527.5	546.5	545.5
77.5°	1298.2	949.4	173.9	169.2	181.5	283.2	407.7	459.0	476.1	490.4	487.5
80°	684.3	556.0	136.9	138.8	150.2	244.2	362.1	401.1	415.3	422.9	417.2
82.5°	298.4	240.4	101.7	110.2	117.8	195.8	298.4	332.6	342.1	336.4	320.3
85°	95.0	65.6	60.8	72.2	79.8	130.2	231.9	258.5	274.7	257.5	253.7
87.5°	23.8	21.9	25.7	37.1	41.8	72.2	157.8	163.5	185.3	57.0	53.2
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)