

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: P1208532

Luminaire Tested: UPW-SA1-070-730-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208532
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-SA1-070-730-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 1200mA 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: 7365 lumens
Efficiency: N/A
Efficacy: 109.9 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): 67
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

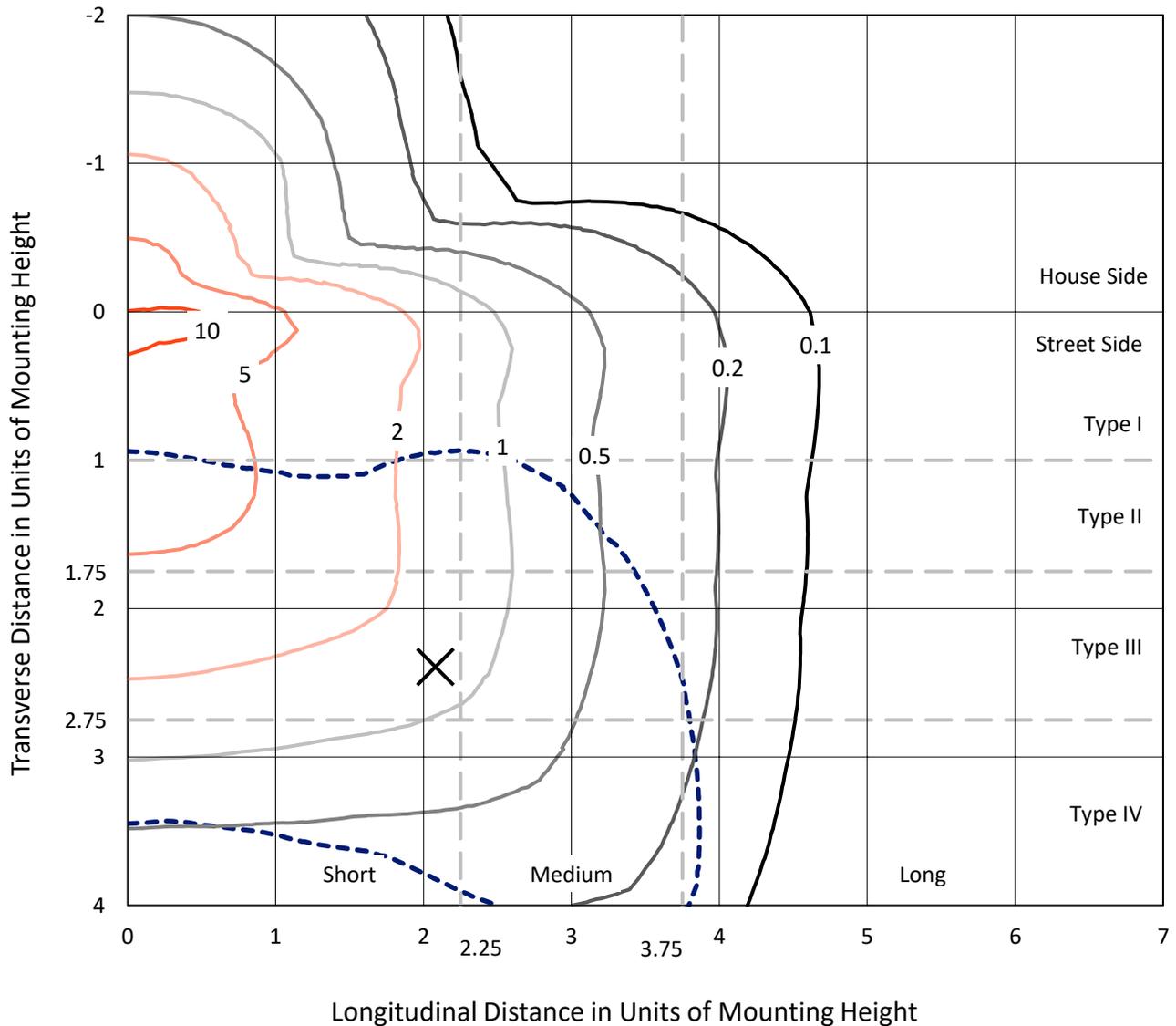


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

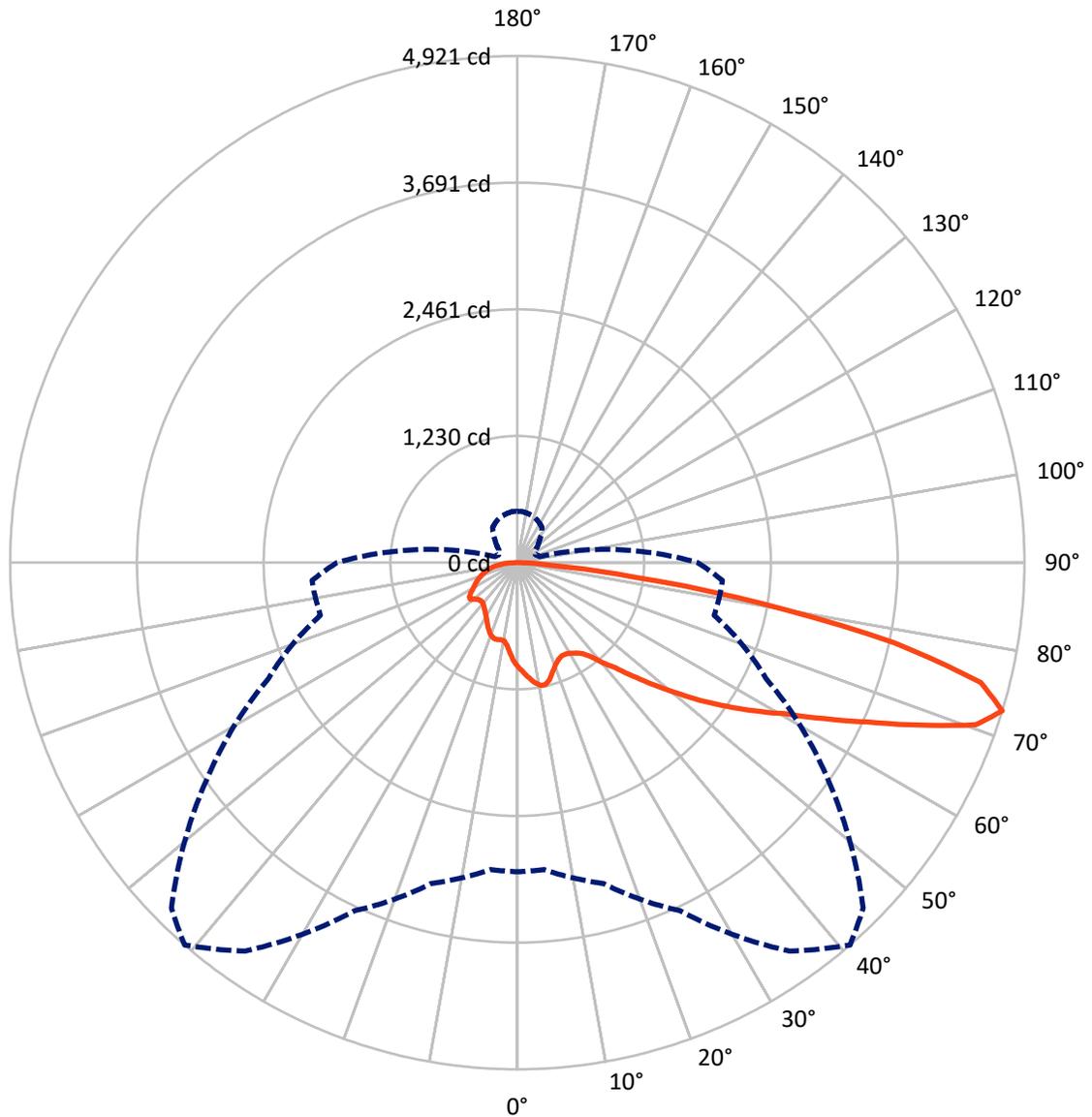


Based on 10 foot mounting height. Maximum calculated value = 11.7 fc
 Type IV - Short - N/A

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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	1593.7	0.0	1593.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	5771.3	0.0	5771.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	7365.0	0.0	7365.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	96.6	1.3
10°-20°	290.9	3.9
20°-30°	447.1	6.1
30°-40°	614.6	8.3
40°-50°	936.5	12.7
50°-60°	1382.9	18.8
60°-70°	1816.2	24.7
70°-80°	1556.1	21.1
80°-90°	224.2	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°	7365.0	100.0
0°-180°	7365.0	100.0

Coefficient of Utilization



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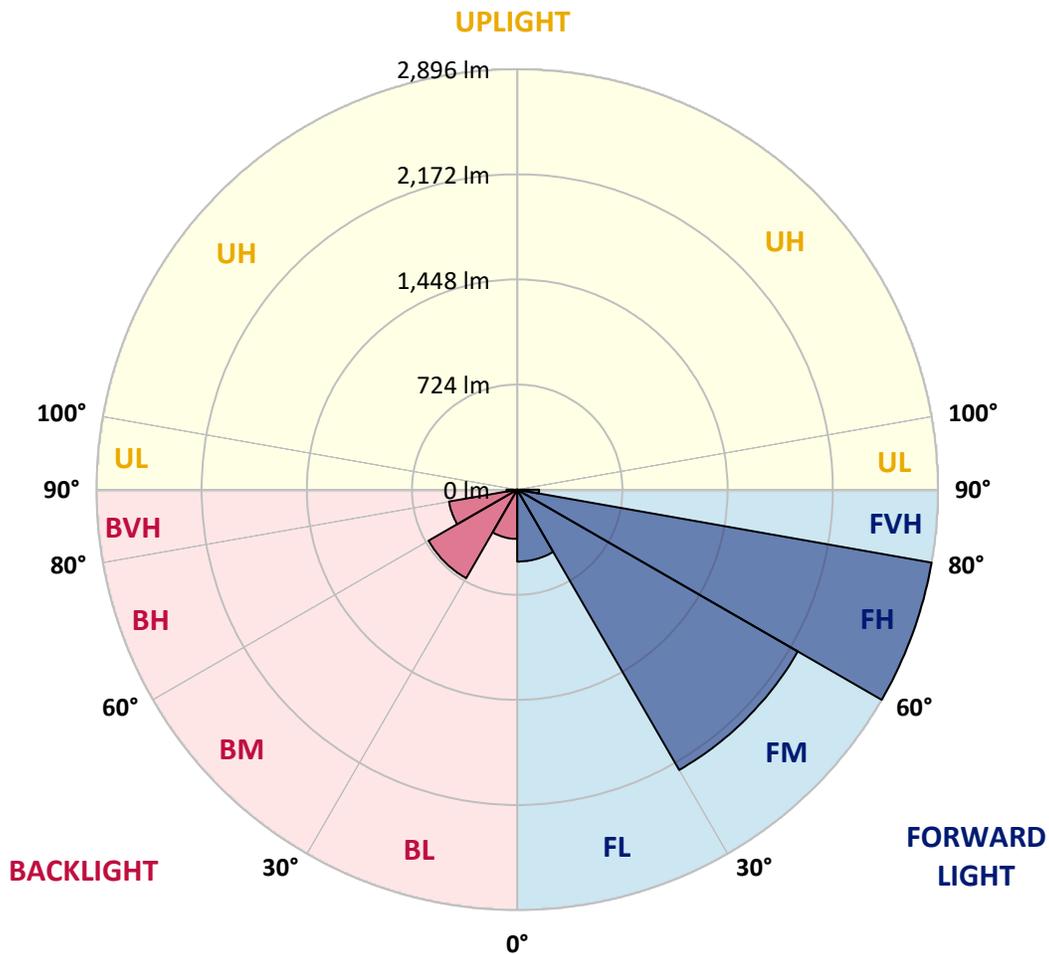
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	495.3	6.7			
FM	(30°-60°)	2229.6	30.3			
FH	(60°-80°)	2895.8	39.3			G2/5000
FVH	(80°-90°)	150.6	2.0			G2/225
BL	(0°-30°)	339.2	4.6	B1/500		
BM	(30°-60°)	704.4	9.6	B1/1000		
BH	(60°-80°)	476.5	6.5	B1/500		G1/500
BVH	(80°-90°)	73.6	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°	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3
2.5°	1077.9	1074.7	1074.7	1072.2	1068.2	1062.5	1061.7	1054.4	1047.1	1036.6	1026.1
5°	1140.3	1135.4	1133.8	1130.5	1126.5	1118.4	1119.2	1106.2	1090.9	1070.6	1049.6
7.5°	1184.8	1181.6	1180.7	1181.6	1175.9	1171.8	1171.8	1156.5	1141.1	1119.2	1086.8
10°	1200.2	1196.1	1199.4	1206.7	1212.3	1211.5	1215.6	1209.9	1198.6	1179.9	1134.6
12.5°	1172.6	1172.6	1174.3	1184.0	1202.6	1217.2	1230.1	1253.6	1264.2	1248.0	1191.3
15°	1130.5	1128.1	1125.7	1129.7	1152.4	1176.7	1204.2	1267.4	1313.6	1312.7	1251.2
17.5°	1105.4	1103.8	1086.8	1070.6	1082.8	1111.1	1145.9	1247.2	1345.1	1371.9	1311.1
20°	1090.9	1087.6	1067.4	1035.0	1030.1	1059.3	1086.0	1205.9	1350.0	1428.6	1367.8
22.5°	1078.7	1077.1	1051.2	1008.3	996.1	1020.4	1047.9	1155.6	1332.2	1465.8	1418.0
25°	1084.4	1081.1	1048.7	997.7	983.1	1003.4	1027.7	1116.0	1300.6	1486.9	1458.5
27.5°	1111.9	1111.9	1069.0	1008.3	989.6	1003.4	1022.0	1094.1	1266.6	1492.5	1495.8
30°	1175.1	1172.6	1118.4	1044.7	1014.7	1020.4	1033.4	1086.8	1233.4	1482.0	1520.1
32.5°	1286.0	1277.9	1210.7	1110.3	1052.0	1046.3	1048.7	1081.9	1199.4	1463.4	1543.6
35°	1487.7	1465.8	1363.0	1226.1	1118.4	1083.6	1073.8	1086.8	1179.1	1450.4	1565.4
37.5°	1756.5	1725.8	1598.6	1405.1	1233.4	1158.9	1125.7	1110.3	1175.9	1435.0	1586.5
40°	2012.5	1993.8	1843.2	1617.2	1382.4	1277.9	1223.7	1145.9	1179.9	1425.3	1615.6
42.5°	2338.8	2308.9	2133.9	1840.0	1546.0	1395.4	1316.8	1193.7	1205.9	1431.8	1648.8
45°	2690.3	2684.6	2466.8	2113.7	1750.1	1569.5	1469.9	1283.6	1256.1	1457.7	1698.2
47.5°	3070.1	3044.2	2815.8	2431.9	1981.7	1764.6	1641.5	1387.3	1328.1	1501.4	1763.8
50°	3393.2	3374.6	3139.7	2725.9	2234.3	1978.4	1835.1	1512.8	1418.0	1560.6	1832.7
52.5°	3565.7	3552.0	3407.8	3035.3	2493.5	2220.6	2014.1	1644.0	1530.6	1634.3	1908.0
55°	3524.4	3516.3	3515.5	3268.5	2776.1	2464.3	2218.2	1784.1	1660.2	1722.5	1997.1
57.5°	3513.1	3499.3	3506.6	3429.7	3045.0	2716.2	2444.9	1958.2	1822.1	1828.6	2090.2
60°	3524.4	3516.3	3557.6	3529.3	3297.7	2980.2	2708.9	2169.6	1991.4	1937.1	2173.6
62.5°	3629.7	3610.3	3642.7	3702.6	3573.0	3338.2	3042.6	2421.4	2179.3	2018.9	2238.4
65°	3790.9	3754.4	3764.9	3916.4	3897.8	3728.5	3438.6	2749.4	2355.8	2084.5	2268.4
67.5°	3837.0	3824.9	3852.4	4046.0	4239.5	4210.4	3940.7	3111.4	2528.3	2121.8	2234.3
70°	3646.7	3631.3	3754.4	4053.2	4575.6	4718.1	4467.9	3460.4	2675.7	2108.0	2156.6
72.5°	3002.1	2992.4	3226.4	3730.1	4606.4	4921.4	4746.5	3682.3	2663.6	1977.6	1998.7
75°	1942.0	1909.6	2285.4	2933.2	4133.4	4643.6	4519.7	3402.9	2333.1	1758.2	1721.7
77.5°	686.7	771.8	987.2	1744.4	3140.6	3737.4	3530.1	2552.6	1723.3	1288.5	1213.1
80°	239.7	251.9	315.0	653.5	1699.0	2393.9	2227.1	1479.6	920.8	671.4	643.8
82.5°	140.9	147.4	165.2	239.7	625.2	1137.0	949.1	621.1	336.9	288.3	252.7
85°	47.8	51.0	85.8	123.1	221.9	328.8	295.6	159.5	130.4	116.6	75.3
87.5°	9.7	11.3	18.6	40.5	74.5	84.2	64.0	38.9	54.3	54.3	25.9
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°	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3	1012.3
2.5°	1018.8	1011.5	998.5	986.4	973.4	963.7	951.6	941.8	943.5	937.8	936.2
5°	1035.8	1020.4	989.6	957.2	924.0	892.4	865.7	843.9	831.7	825.2	824.4
7.5°	1063.3	1039.8	984.8	925.6	863.3	820.4	792.0	778.3	776.6	775.0	772.6
10°	1106.2	1069.0	983.1	888.4	809.8	772.6	767.7	777.4	791.2	798.5	798.5
12.5°	1151.6	1103.8	982.3	850.3	768.5	756.4	778.3	805.8	828.5	839.0	837.4
15°	1200.2	1138.6	970.2	807.4	739.4	757.2	795.3	825.2	848.7	858.4	859.2
17.5°	1252.0	1170.2	949.9	760.4	718.3	755.6	794.5	820.4	841.4	848.7	847.1
20°	1296.6	1198.6	921.6	712.7	699.7	740.2	775.0	794.5	806.6	808.2	808.2
22.5°	1333.0	1218.8	880.3	668.1	673.8	713.5	740.2	750.7	755.6	758.0	757.2
25°	1368.6	1232.6	833.3	626.8	643.0	677.8	697.3	707.0	710.2	712.7	714.3
27.5°	1392.9	1239.1	778.3	581.5	607.4	637.3	656.0	665.7	673.0	677.8	677.8
30°	1409.9	1235.0	720.8	547.5	576.6	601.7	623.6	636.5	647.1	652.7	653.5
32.5°	1426.1	1230.1	662.4	513.4	545.8	572.6	597.7	617.1	631.7	638.2	640.6
35°	1438.3	1219.6	600.9	487.5	517.5	545.8	574.2	598.5	617.1	628.4	630.9
37.5°	1450.4	1209.1	544.2	460.0	493.2	524.0	556.4	579.8	601.7	617.1	622.0
40°	1467.4	1201.8	494.0	435.7	474.6	508.6	537.7	565.3	590.4	604.1	609.0
42.5°	1490.9	1196.9	451.1	417.9	460.0	498.9	529.6	565.3	596.0	602.5	605.8
45°	1522.5	1196.9	416.3	403.3	452.7	498.9	536.9	575.8	600.1	597.7	600.1
47.5°	1557.3	1196.9	388.7	390.3	449.5	505.3	548.3	595.2	621.1	628.4	633.3
50°	1605.9	1196.9	366.9	379.0	443.8	515.9	586.3	634.1	649.5	651.9	653.5
52.5°	1659.4	1207.5	350.7	367.7	442.2	549.9	616.3	632.5	631.7	624.4	623.6
55°	1723.3	1226.1	336.1	354.7	447.8	556.4	596.9	601.7	586.3	572.6	569.3
57.5°	1788.1	1249.6	321.5	338.5	425.2	516.7	565.3	561.2	560.4	553.1	552.3
60°	1859.4	1276.3	305.3	311.8	379.8	478.6	522.3	553.9	562.8	555.5	553.9
62.5°	1912.0	1307.1	288.3	282.6	340.9	444.6	507.0	546.6	563.6	563.6	562.8
65°	1937.1	1322.5	272.1	255.9	307.7	409.0	492.4	526.4	547.5	553.1	551.5
67.5°	1908.0	1301.4	260.0	233.2	276.2	372.5	468.9	500.5	528.0	536.9	536.1
70°	1857.8	1284.4	250.2	209.7	248.6	333.7	445.4	479.4	507.0	522.3	520.7
72.5°	1748.4	1224.5	225.9	189.5	217.8	302.9	417.1	456.7	482.7	499.7	498.9
75°	1500.6	1076.3	188.7	170.9	184.6	272.9	386.3	430.8	449.5	465.7	464.8
77.5°	1106.2	809.0	148.2	144.2	154.7	241.3	347.4	391.2	405.7	417.9	415.4
80°	583.1	473.8	116.6	118.2	128.0	208.1	308.5	341.8	353.9	360.4	355.5
82.5°	254.3	204.9	86.7	93.9	100.4	166.8	254.3	283.4	291.5	286.7	272.9
85°	81.0	55.9	51.8	61.5	68.0	110.9	197.6	220.3	234.0	219.5	216.2
87.5°	20.2	18.6	21.9	31.6	35.6	61.5	134.4	139.3	157.9	48.6	45.4
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)