

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: P1208046

Luminaire Tested: UPW-SA1-040-730-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208046
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-SA1-040-730-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 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: 5424 lumens
Efficiency: N/A
Efficacy: 123.3 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

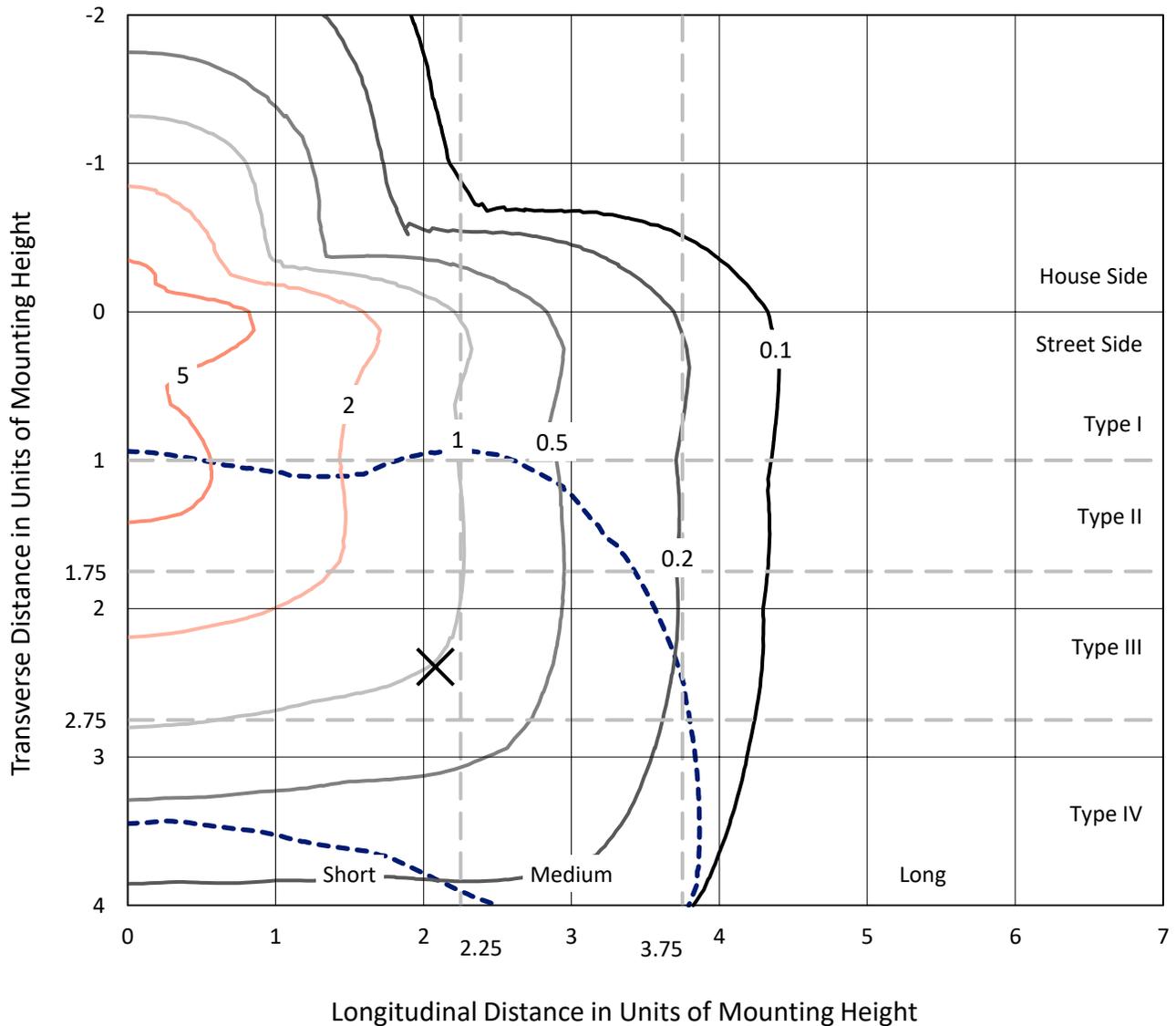


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

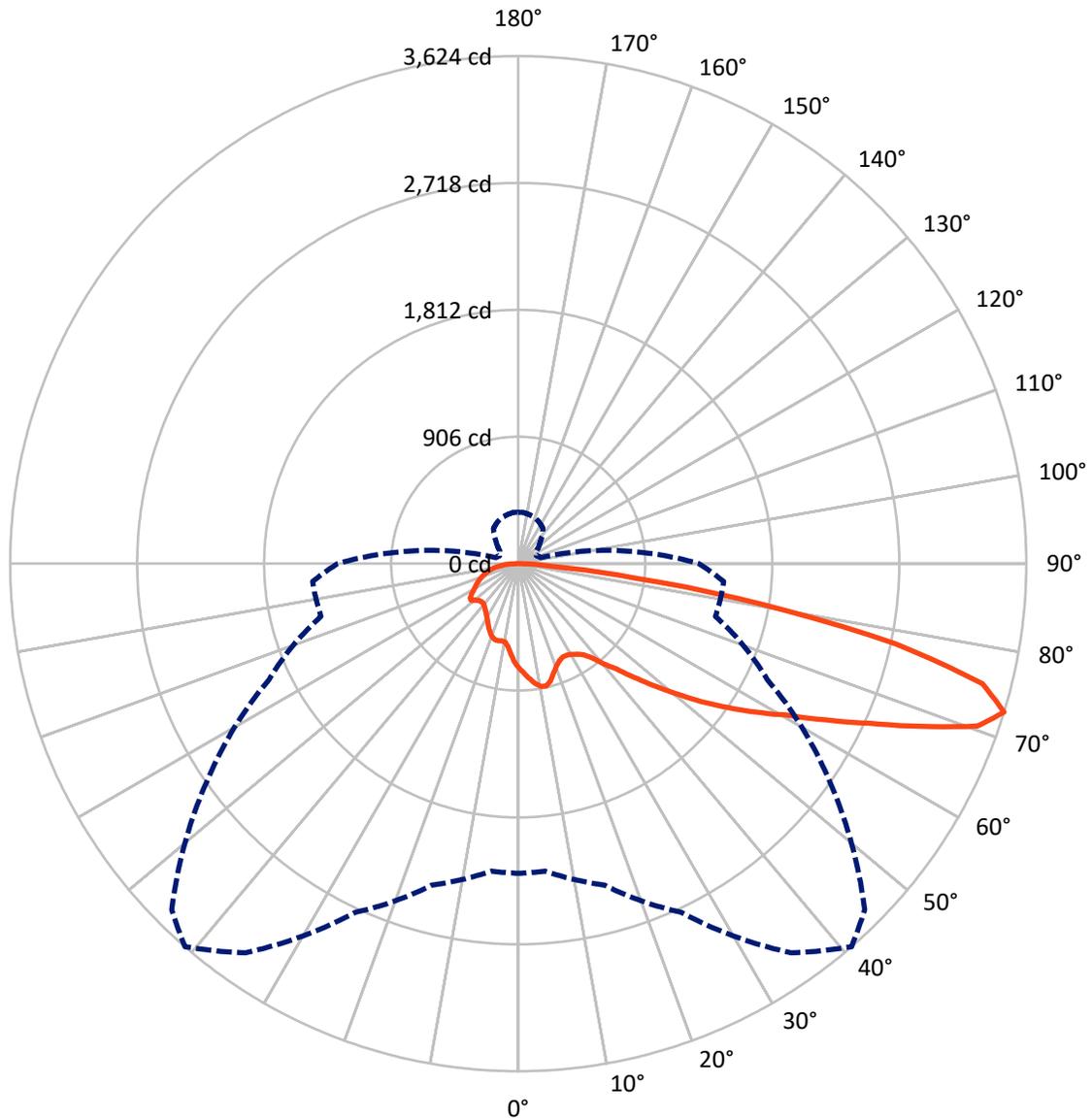


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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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
House Side	Lumens	1173.7	0.0	1173.7
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	4250.3	0.0	4250.3
	% Fixture	78.4	0.0	78.4
Total	Lumens	5424.0	0.0	5424.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.3
10°-20°	214.2	3.9
20°-30°	329.2	6.1
30°-40°	452.6	8.3
40°-50°	689.7	12.7
50°-60°	1018.5	18.8
60°-70°	1337.5	24.7
70°-80°	1146.0	21.1
80°-90°	165.1	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°	5424.0	100.0
0°-180°	5424.0	100.0

Coefficient of Utilization



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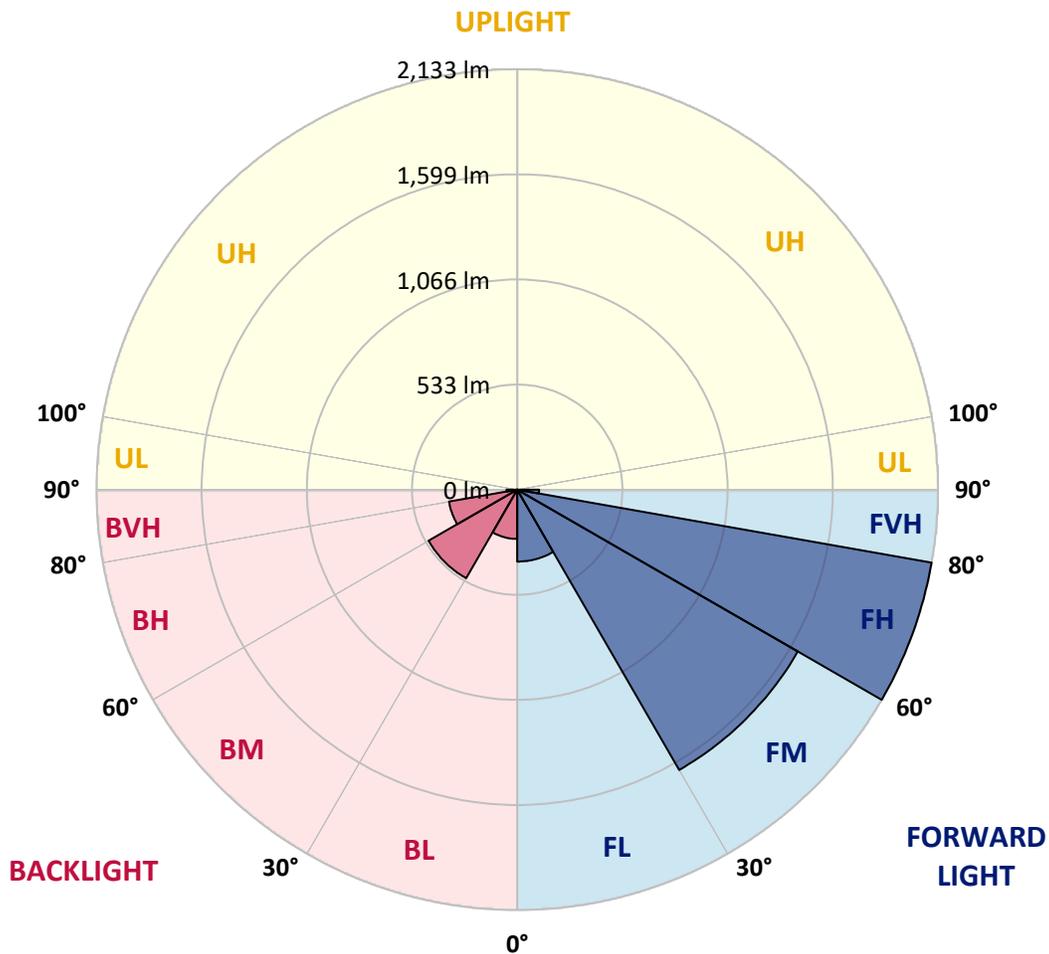
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.8	6.7			
FM	(30°-60°)	1642.0	30.3			
FH	(60°-80°)	2132.6	39.3			G2/5000
FVH	(80°-90°)	110.9	2.0			G2/225
BL	(0°-30°)	249.8	4.6	B1/500		
BM	(30°-60°)	518.7	9.6	B1/1000		
BH	(60°-80°)	350.9	6.5	B1/500		G1/500
BVH	(80°-90°)	54.2	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°	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5
2.5°	793.8	791.4	791.4	789.6	786.7	782.5	781.9	776.5	771.2	763.4	755.7
5°	839.7	836.2	835.0	832.6	829.6	823.6	824.2	814.7	803.4	788.5	772.9
7.5°	872.5	870.2	869.6	870.2	866.0	863.0	863.0	851.7	840.3	824.2	800.4
10°	883.9	880.9	883.3	888.7	892.8	892.2	895.2	891.0	882.7	869.0	835.6
12.5°	863.6	863.6	864.8	872.0	885.7	896.4	905.9	923.2	931.0	919.1	877.3
15°	832.6	830.8	829.0	832.0	848.7	866.6	886.9	933.4	967.4	966.8	921.5
17.5°	814.1	812.9	800.4	788.5	797.4	818.3	843.9	918.5	990.6	1010.3	965.6
20°	803.4	801.0	786.1	762.2	758.6	780.1	799.8	888.1	994.2	1052.1	1007.3
22.5°	794.4	793.2	774.1	742.5	733.6	751.5	771.8	851.1	981.1	1079.5	1044.3
25°	798.6	796.2	772.4	734.8	724.0	739.0	756.8	821.9	957.8	1095.0	1074.1
27.5°	818.9	818.9	787.3	742.5	728.8	739.0	752.7	805.8	932.8	1099.2	1101.6
30°	865.4	863.6	823.6	769.4	747.3	751.5	761.0	800.4	908.3	1091.4	1119.5
32.5°	947.1	941.1	891.6	817.7	774.7	770.6	772.4	796.8	883.3	1077.7	1136.8
35°	1095.6	1079.5	1003.8	903.0	823.6	798.0	790.8	800.4	868.4	1068.2	1152.9
37.5°	1293.6	1271.0	1177.3	1034.8	908.3	853.5	829.0	817.7	866.0	1056.8	1168.4
40°	1482.1	1468.4	1357.4	1191.0	1018.1	941.1	901.2	843.9	869.0	1049.7	1189.8
42.5°	1722.4	1700.4	1571.5	1355.0	1138.5	1027.6	969.8	879.1	888.1	1054.5	1214.3
45°	1981.3	1977.1	1816.7	1556.6	1288.8	1155.8	1082.5	945.3	925.0	1073.5	1250.7
47.5°	2261.0	2241.9	2073.7	1791.0	1459.4	1299.6	1208.9	1021.7	978.1	1105.7	1299.0
50°	2499.0	2485.2	2312.3	2007.5	1645.5	1457.0	1351.5	1114.1	1044.3	1149.3	1349.7
52.5°	2626.0	2615.9	2509.7	2235.3	1836.4	1635.4	1483.3	1210.7	1127.2	1203.6	1405.1
55°	2595.6	2589.6	2589.0	2407.1	2044.5	1814.9	1633.6	1313.9	1222.6	1268.6	1470.8
57.5°	2587.2	2577.1	2582.5	2525.8	2242.5	2000.4	1800.6	1442.1	1341.9	1346.7	1539.3
60°	2595.6	2589.6	2620.0	2599.2	2428.6	2194.8	1995.0	1597.8	1466.6	1426.6	1600.8
62.5°	2673.1	2658.8	2682.7	2726.8	2631.4	2458.4	2240.7	1783.3	1604.9	1486.9	1648.5
65°	2791.8	2765.0	2772.7	2884.2	2870.5	2745.9	2532.4	2024.8	1735.0	1535.2	1670.5
67.5°	2825.8	2816.9	2837.1	2979.7	3122.2	3100.7	2902.1	2291.4	1862.0	1562.6	1645.5
70°	2685.6	2674.3	2765.0	2985.0	3369.7	3474.7	3290.4	2548.5	1970.5	1552.5	1588.2
72.5°	2210.9	2203.7	2376.1	2747.1	3392.4	3624.4	3495.6	2711.9	1961.6	1456.4	1471.9
75°	1430.2	1406.3	1683.1	2160.2	3044.1	3419.8	3328.6	2506.1	1718.3	1294.8	1268.0
77.5°	505.8	568.4	727.0	1284.7	2312.9	2752.4	2599.8	1879.9	1269.2	948.9	893.4
80°	176.5	185.5	232.0	481.3	1251.3	1763.0	1640.1	1089.6	678.1	494.4	474.1
82.5°	103.8	108.5	121.7	176.5	460.4	837.4	699.0	457.4	248.1	212.3	186.1
85°	35.2	37.6	63.2	90.7	163.4	242.1	217.7	117.5	96.0	85.9	55.5
87.5°	7.2	8.3	13.7	29.8	54.9	62.0	47.1	28.6	40.0	40.0	19.1
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°	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5	745.5
2.5°	750.3	744.9	735.4	726.4	716.9	709.7	700.8	693.6	694.8	690.6	689.5
5°	762.8	751.5	728.8	705.0	680.5	657.2	637.6	621.5	612.5	607.7	607.1
7.5°	783.1	765.8	725.2	681.7	635.8	604.2	583.3	573.2	572.0	570.8	569.0
10°	814.7	787.3	724.0	654.3	596.4	569.0	565.4	572.6	582.7	588.1	588.1
12.5°	848.1	812.9	723.4	626.2	566.0	557.0	573.2	593.4	610.1	617.9	616.7
15°	883.9	838.6	714.5	594.6	544.5	557.6	585.7	607.7	625.0	632.2	632.8
17.5°	922.1	861.8	699.6	560.0	529.0	556.5	585.1	604.2	619.7	625.0	623.8
20°	954.9	882.7	678.7	524.8	515.3	545.1	570.8	585.1	594.0	595.2	595.2
22.5°	981.7	897.6	648.3	492.0	496.2	525.4	545.1	552.9	556.5	558.2	557.6
25°	1007.9	907.7	613.7	461.6	473.6	499.2	513.5	520.7	523.1	524.8	526.0
27.5°	1025.8	912.5	573.2	428.2	447.3	469.4	483.1	490.3	495.6	499.2	499.2
30°	1038.4	909.5	530.8	403.2	424.6	443.1	459.2	468.8	476.5	480.7	481.3
32.5°	1050.3	905.9	487.9	378.1	402.0	421.7	440.2	454.5	465.2	470.0	471.8
35°	1059.2	898.2	442.5	359.0	381.1	402.0	422.9	440.7	454.5	462.8	464.6
37.5°	1068.2	890.4	400.8	338.8	363.2	385.9	409.7	427.0	443.1	454.5	458.0
40°	1080.7	885.1	363.8	320.9	349.5	374.5	396.0	416.3	434.8	444.9	448.5
42.5°	1098.0	881.5	332.2	307.7	338.8	367.4	390.1	416.3	439.0	443.7	446.1
45°	1121.3	881.5	306.6	297.0	333.4	367.4	395.4	424.0	441.9	440.2	441.9
47.5°	1146.9	881.5	286.3	287.5	331.0	372.2	403.8	438.4	457.4	462.8	466.4
50°	1182.7	881.5	270.2	279.1	326.8	379.9	431.8	467.0	478.3	480.1	481.3
52.5°	1222.0	889.2	258.2	270.8	325.6	405.0	453.9	465.8	465.2	459.8	459.2
55°	1269.2	903.0	247.5	261.2	329.8	409.7	439.6	443.1	431.8	421.7	419.3
57.5°	1316.9	920.3	236.8	249.3	313.1	380.5	416.3	413.3	412.7	407.3	406.8
60°	1369.4	939.9	224.8	229.6	279.7	352.5	384.7	407.9	414.5	409.1	407.9
62.5°	1408.1	962.6	212.3	208.1	251.1	327.4	373.4	402.6	415.1	415.1	414.5
65°	1426.6	973.9	200.4	188.5	226.6	301.2	362.6	387.7	403.2	407.3	406.2
67.5°	1405.1	958.4	191.4	171.8	203.4	274.3	345.3	368.6	388.9	395.4	394.8
70°	1368.2	945.9	184.3	154.5	183.1	245.7	328.0	353.1	373.4	384.7	383.5
72.5°	1287.7	901.8	166.4	139.6	160.4	223.1	307.2	336.4	355.5	368.0	367.4
75°	1105.2	792.6	139.0	125.8	136.0	201.0	284.5	317.3	331.0	342.9	342.3
77.5°	814.7	595.8	109.1	106.2	113.9	177.7	255.9	288.1	298.8	307.7	306.0
80°	429.4	348.9	85.9	87.1	94.2	153.3	227.2	251.7	260.6	265.4	261.8
82.5°	187.3	150.9	63.8	69.2	74.0	122.9	187.3	208.7	214.7	211.1	201.0
85°	59.6	41.2	38.2	45.3	50.1	81.7	145.5	162.2	172.4	161.6	159.2
87.5°	14.9	13.7	16.1	23.3	26.2	45.3	99.0	102.6	116.3	35.8	33.4
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)