

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: P1207803

Luminaire Tested: UPW-SA1-030-730-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207803
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-SA1-030-730-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 3000K, 615mA 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: 4424 lumens
Efficiency: N/A
Efficacy: 130.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G1

Input Watts (W): 34
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

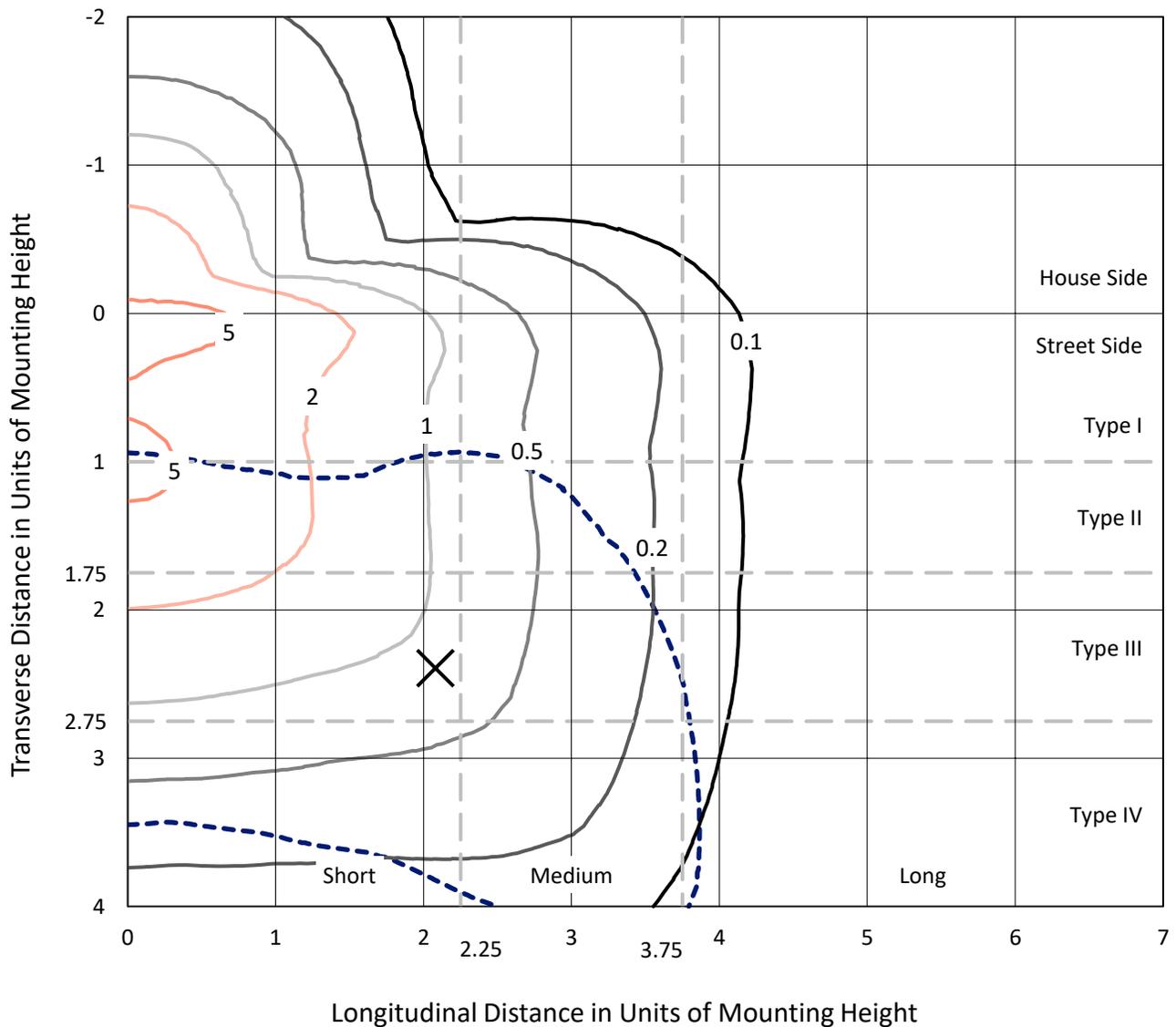


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

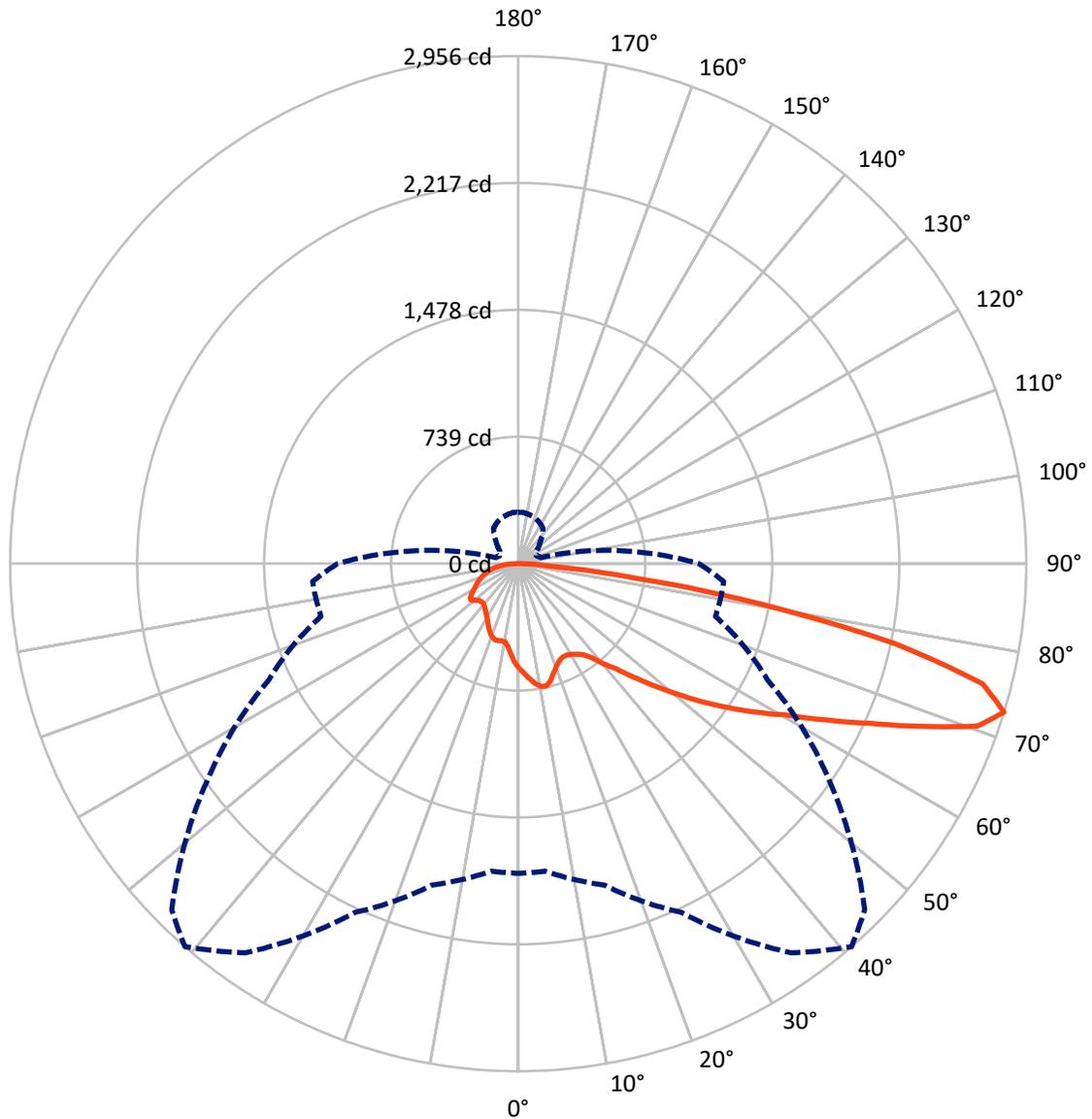


Based on 10 foot mounting height. Maximum calculated value = 7 fc
 Type IV - Short - N/A

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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	957.3	0.0	957.3
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3466.7	0.0	3466.7
	% Fixture	78.4	0.0	78.4
Total	Lumens	4424.0	0.0	4424.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.0	1.3
10°-20°	174.7	3.9
20°-30°	268.5	6.1
30°-40°	369.2	8.3
40°-50°	562.5	12.7
50°-60°	830.7	18.8
60°-70°	1090.9	24.7
70°-80°	934.7	21.1
80°-90°	134.7	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°	4424.0	100.0
0°-180°	4424.0	100.0



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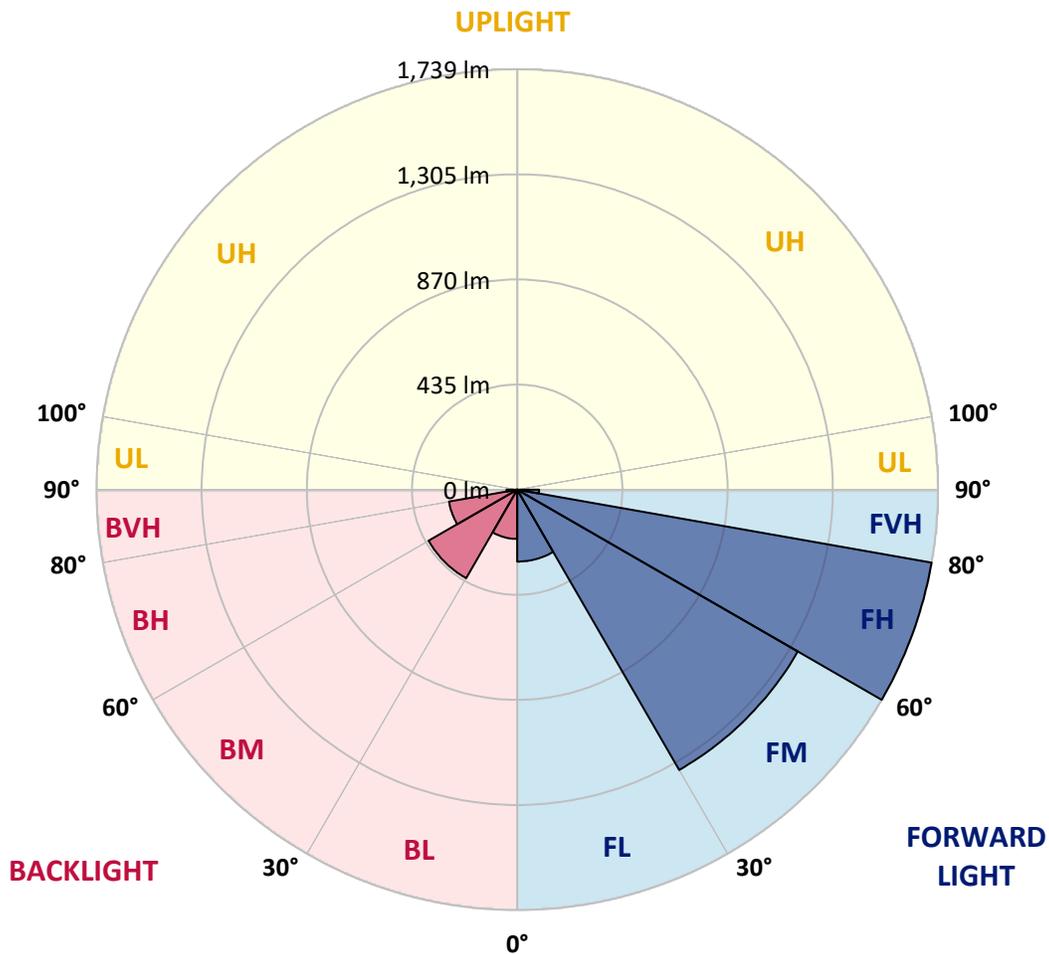
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	297.5	6.7			
FM	(30°-60°)	1339.3	30.3			
FH	(60°-80°)	1739.4	39.3			G1/1800
FVH	(80°-90°)	90.5	2.0			G1/100
BL	(0°-30°)	203.7	4.6	B1/500		
BM	(30°-60°)	423.1	9.6	B1/1000		
BH	(60°-80°)	286.2	6.5	B1/500		G1/500
BVH	(80°-90°)	44.2	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-G1

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1
2.5°	647.5	645.5	645.5	644.1	641.6	638.2	637.7	633.4	629.0	622.7	616.3
5°	684.9	682.0	681.0	679.1	676.7	671.8	672.3	664.5	655.3	643.1	630.4
7.5°	711.7	709.7	709.2	709.7	706.3	703.9	703.9	694.7	685.4	672.3	652.8
10°	720.9	718.5	720.4	724.8	728.2	727.7	730.2	726.8	720.0	708.8	681.5
12.5°	704.4	704.4	705.4	711.2	722.4	731.1	738.9	753.0	759.4	749.6	715.6
15°	679.1	677.6	676.2	678.6	692.2	706.8	723.4	761.3	789.0	788.5	751.6
17.5°	664.0	663.0	652.8	643.1	650.4	667.4	688.3	749.1	808.0	824.1	787.6
20°	655.3	653.3	641.1	621.7	618.8	636.3	652.3	724.3	810.9	858.1	821.6
22.5°	648.0	647.0	631.4	605.6	598.3	612.9	629.5	694.2	800.2	880.5	851.8
25°	651.4	649.4	630.0	599.3	590.6	602.7	617.3	670.3	781.2	893.1	876.1
27.5°	667.9	667.9	642.1	605.6	594.4	602.7	613.9	657.2	760.8	896.5	898.5
30°	705.8	704.4	671.8	627.5	609.5	612.9	620.7	652.8	740.9	890.2	913.1
32.5°	772.5	767.6	727.2	666.9	631.9	628.5	630.0	649.9	720.4	879.0	927.2
35°	893.6	880.5	818.7	736.5	671.8	650.9	645.0	652.8	708.3	871.2	940.3
37.5°	1055.1	1036.6	960.3	844.0	740.9	696.1	676.2	666.9	706.3	862.0	953.0
40°	1208.8	1197.6	1107.2	971.4	830.4	767.6	735.0	688.3	708.8	856.2	970.5
42.5°	1404.9	1386.9	1281.8	1105.2	928.6	838.2	791.0	717.0	724.3	860.0	990.4
45°	1616.0	1612.6	1481.7	1269.6	1051.2	942.7	882.9	771.0	754.5	875.6	1020.1
47.5°	1844.1	1828.6	1691.4	1460.8	1190.4	1060.0	986.0	833.3	797.8	901.9	1059.5
50°	2038.2	2027.1	1886.0	1637.4	1342.1	1188.4	1102.3	908.7	851.8	937.4	1100.8
52.5°	2141.9	2133.6	2047.0	1823.2	1497.8	1333.9	1209.8	987.5	919.4	981.7	1146.1
55°	2117.0	2112.2	2111.7	1963.3	1667.6	1480.3	1332.4	1071.7	997.2	1034.7	1199.6
57.5°	2110.2	2102.0	2106.3	2060.1	1829.1	1631.6	1468.6	1176.2	1094.5	1098.4	1255.5
60°	2117.0	2112.2	2137.0	2120.0	1980.8	1790.1	1627.2	1303.2	1196.2	1163.6	1305.6
62.5°	2180.3	2168.6	2188.1	2224.1	2146.2	2005.2	1827.6	1454.5	1309.0	1212.7	1344.6
65°	2277.1	2255.2	2261.5	2352.5	2341.3	2239.6	2065.5	1651.5	1415.1	1252.1	1362.6
67.5°	2304.8	2297.5	2314.1	2430.3	2546.6	2529.1	2367.1	1869.0	1518.7	1274.5	1342.1
70°	2190.5	2181.3	2255.2	2434.7	2748.5	2834.1	2683.8	2078.6	1607.2	1266.2	1295.4
72.5°	1803.3	1797.4	1938.0	2240.6	2766.9	2956.2	2851.1	2211.9	1599.9	1187.9	1200.6
75°	1166.5	1147.1	1372.8	1761.9	2482.9	2789.3	2714.9	2044.1	1401.5	1056.1	1034.2
77.5°	412.5	463.6	593.0	1047.8	1886.5	2245.0	2120.5	1533.3	1035.2	773.9	728.7
80°	144.0	151.3	189.2	392.6	1020.6	1438.0	1337.7	888.8	553.1	403.3	386.7
82.5°	84.6	88.5	99.2	144.0	375.5	683.0	570.1	373.1	202.4	173.2	151.8
85°	28.7	30.6	51.6	73.9	133.3	197.5	177.6	95.8	78.3	70.0	45.2
87.5°	5.8	6.8	11.2	24.3	44.8	50.6	38.4	23.3	32.6	32.6	15.6
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°	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1	608.1
2.5°	612.0	607.6	599.8	592.5	584.7	578.9	571.6	565.7	566.7	563.3	562.3
5°	622.2	612.9	594.4	575.0	555.0	536.1	520.0	506.9	499.6	495.7	495.2
7.5°	638.7	624.6	591.5	556.0	518.6	492.8	475.8	467.5	466.5	465.5	464.1
10°	664.5	642.1	590.6	533.6	486.5	464.1	461.2	467.0	475.3	479.6	479.6
12.5°	691.7	663.0	590.1	510.8	461.6	454.3	467.5	484.0	497.6	504.0	503.0
15°	720.9	684.0	582.8	485.0	444.1	454.8	477.7	495.7	509.8	515.6	516.1
17.5°	752.1	702.9	570.6	456.8	431.5	453.9	477.2	492.8	505.4	509.8	508.8
20°	778.8	720.0	553.6	428.1	420.3	444.6	465.5	477.2	484.5	485.5	485.5
22.5°	800.7	732.1	528.8	401.3	404.7	428.6	444.6	450.9	453.9	455.3	454.8
25°	822.1	740.4	500.6	376.5	386.2	407.2	418.8	424.7	426.6	428.1	429.1
27.5°	836.7	744.3	467.5	349.3	364.8	382.8	394.0	399.9	404.2	407.2	407.2
30°	846.9	741.8	432.9	328.8	346.4	361.4	374.6	382.4	388.7	392.1	392.6
32.5°	856.6	738.9	397.9	308.4	327.9	343.9	359.0	370.7	379.4	383.3	384.8
35°	863.9	732.6	360.9	292.8	310.8	327.9	344.9	359.5	370.7	377.5	378.9
37.5°	871.2	726.3	326.9	276.3	296.3	314.7	334.2	348.3	361.4	370.7	373.6
40°	881.5	721.9	296.7	261.7	285.1	305.5	323.0	339.5	354.6	362.9	365.8
42.5°	895.6	719.0	271.0	251.0	276.3	299.7	318.1	339.5	358.0	361.9	363.9
45°	914.5	719.0	250.0	242.3	271.9	299.7	322.5	345.9	360.5	359.0	360.5
47.5°	935.4	719.0	233.5	234.5	270.0	303.5	329.3	357.5	373.1	377.5	380.4
50°	964.6	719.0	220.4	227.7	266.6	309.9	352.2	380.9	390.1	391.6	392.6
52.5°	996.7	725.3	210.6	220.8	265.6	330.3	370.2	379.9	379.4	375.1	374.6
55°	1035.2	736.5	201.9	213.1	269.0	334.2	358.5	361.4	352.2	343.9	342.0
57.5°	1074.1	750.6	193.1	203.3	255.4	310.4	339.5	337.1	336.6	332.2	331.8
60°	1116.9	766.7	183.4	187.3	228.1	287.5	313.8	332.7	338.1	333.7	332.7
62.5°	1148.5	785.1	173.2	169.8	204.8	267.1	304.5	328.4	338.6	338.6	338.1
65°	1163.6	794.4	163.4	153.7	184.9	245.7	295.8	316.2	328.8	332.2	331.3
67.5°	1146.1	781.7	156.2	140.1	165.9	223.8	281.7	300.6	317.2	322.5	322.0
70°	1115.9	771.5	150.3	126.0	149.3	200.4	267.5	288.0	304.5	313.8	312.8
72.5°	1050.3	735.5	135.7	113.8	130.9	181.9	250.5	274.4	289.9	300.1	299.7
75°	901.4	646.5	113.3	102.6	110.9	163.9	232.0	258.8	270.0	279.7	279.2
77.5°	664.5	486.0	89.0	86.6	92.9	145.0	208.7	235.0	243.7	251.0	249.6
80°	350.2	284.6	70.0	71.0	76.9	125.0	185.3	205.3	212.6	216.5	213.6
82.5°	152.7	123.1	52.1	56.4	60.3	100.2	152.7	170.3	175.1	172.2	163.9
85°	48.6	33.6	31.1	37.0	40.9	66.6	118.7	132.3	140.6	131.8	129.9
87.5°	12.2	11.2	13.1	19.0	21.4	37.0	80.8	83.7	94.9	29.2	27.2
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)