

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: P1207776

Luminaire Tested: UPW-SA1-030-727-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207776  
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-SA1-030-727-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 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: 4063 lumens  
Efficiency: N/A  
Efficacy: 119.5 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

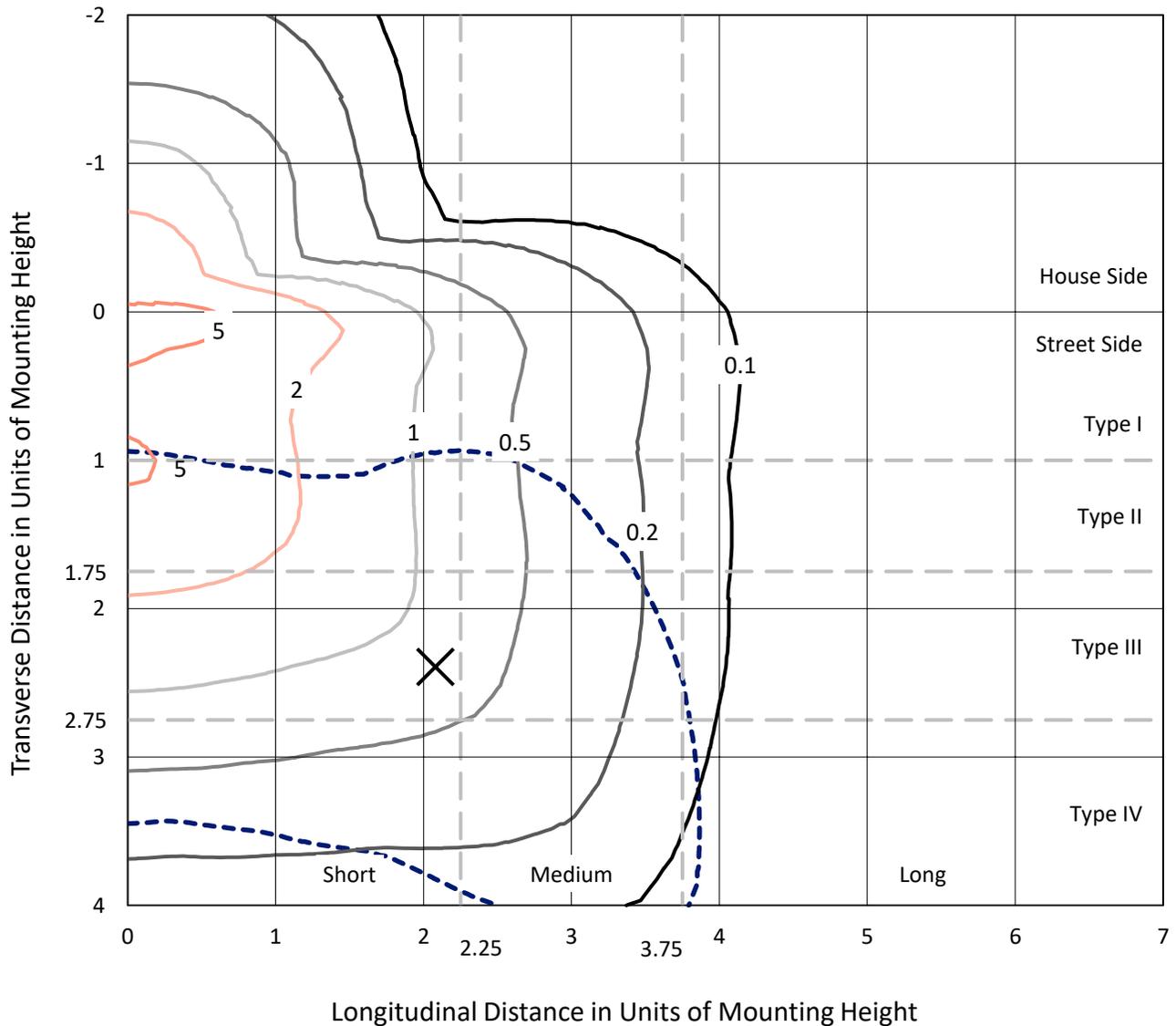


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

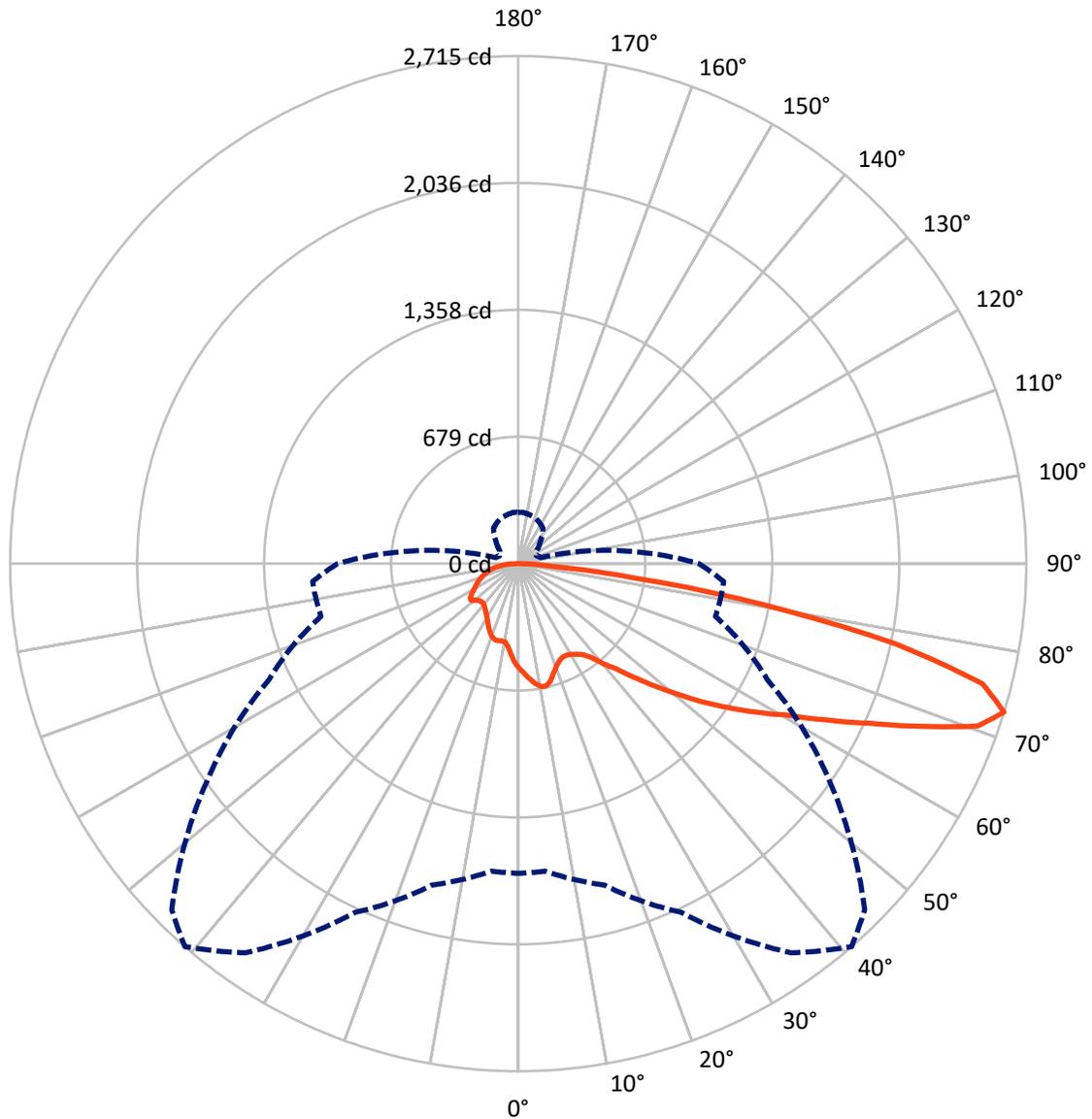


Based on 10 foot mounting height. Maximum calculated value = 6.5 fc  
 Type IV - Short - N/A

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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	879.2	0.0	879.2
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	3183.8	0.0	3183.8
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	4063.0	0.0	4063.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	53.3	1.3
10°-20°	160.5	3.9
20°-30°	246.6	6.1
30°-40°	339.0	8.3
40°-50°	516.6	12.7
50°-60°	762.9	18.8
60°-70°	1001.9	24.7
70°-80°	858.5	21.1
80°-90°	123.7	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°	4063.0	100.0
0°-180°	4063.0	100.0



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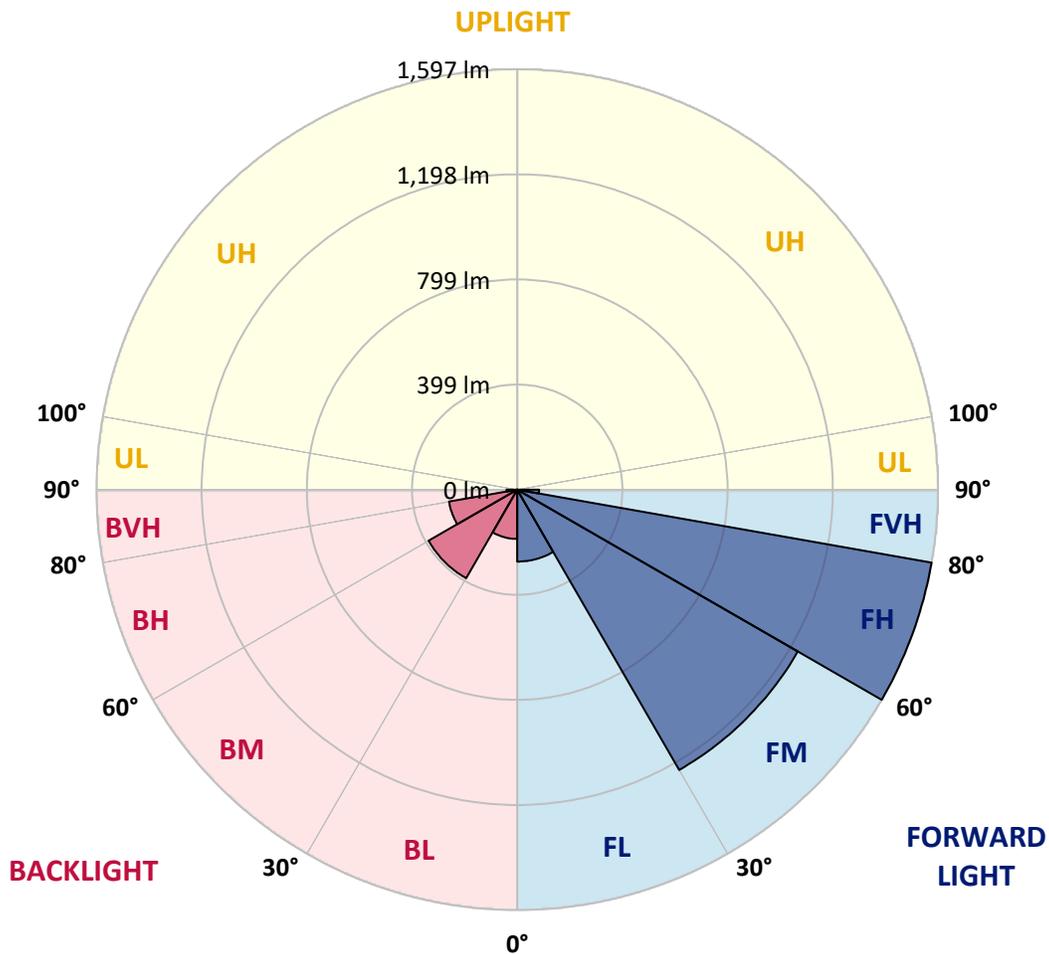
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	273.3	6.7			
FM	(30°-60°)	1230.0	30.3			
FH	(60°-80°)	1597.5	39.3			G1/1800
FVH	(80°-90°)	83.1	2.0			G1/100
BL	(0°-30°)	187.1	4.6	B1/500		
BM	(30°-60°)	388.6	9.6	B1/1000		
BH	(60°-80°)	262.9	6.5	B1/500		G1/500
BVH	(80°-90°)	40.6	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-G1**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	594.6	592.8	592.8	591.5	589.3	586.1	585.7	581.7	577.7	571.9	566.0
5°	629.0	626.4	625.5	623.7	621.4	617.0	617.4	610.3	601.8	590.6	579.0
7.5°	653.6	651.8	651.4	651.8	648.7	646.5	646.5	638.0	629.5	617.4	599.6
10°	662.1	659.9	661.6	665.7	668.8	668.4	670.6	667.5	661.2	650.9	625.9
12.5°	646.9	646.9	647.8	653.2	663.4	671.5	678.6	691.6	697.4	688.5	657.2
15°	623.7	622.3	621.0	623.2	635.7	649.1	664.3	699.2	724.6	724.2	690.2
17.5°	609.8	608.9	599.6	590.6	597.3	613.0	632.2	688.0	742.1	756.8	723.3
20°	601.8	600.0	588.8	571.0	568.3	584.4	599.1	665.2	744.7	788.1	754.6
22.5°	595.1	594.2	579.9	556.2	549.5	562.9	578.1	637.5	734.9	808.6	782.3
25°	598.2	596.4	578.6	550.4	542.4	553.5	566.9	615.6	717.5	820.2	804.6
27.5°	613.4	613.4	589.7	556.2	545.9	553.5	563.8	603.6	698.7	823.4	825.2
30°	648.2	646.9	617.0	576.3	559.8	562.9	570.1	599.6	680.4	817.6	838.6
32.5°	709.5	705.0	667.9	612.5	580.3	577.2	578.6	596.9	661.6	807.3	851.5
35°	820.7	808.6	751.9	676.4	617.0	597.8	592.4	599.6	650.5	800.1	863.6
37.5°	969.0	952.0	881.9	775.1	680.4	639.3	621.0	612.5	648.7	791.7	875.2
40°	1110.2	1099.9	1016.8	892.2	762.6	705.0	675.1	632.2	650.9	786.3	891.3
42.5°	1290.2	1273.7	1177.2	1015.0	852.9	769.8	726.4	658.5	665.2	789.9	909.6
45°	1484.1	1481.0	1360.8	1166.0	965.4	865.8	810.9	708.1	692.9	804.2	936.9
47.5°	1693.7	1679.4	1553.4	1341.6	1093.2	973.5	905.6	765.3	732.7	828.3	973.0
50°	1871.9	1861.6	1732.1	1503.8	1232.6	1091.4	1012.4	834.5	782.3	860.9	1011.0
52.5°	1967.1	1959.5	1880.0	1674.5	1375.6	1225.0	1111.1	906.9	844.4	901.6	1052.6
55°	1944.3	1939.8	1939.4	1803.1	1531.5	1359.5	1223.7	984.2	915.9	950.3	1101.7
57.5°	1938.0	1930.4	1934.5	1892.0	1679.8	1498.4	1348.8	1080.3	1005.2	1008.8	1153.1
60°	1944.3	1939.8	1962.6	1947.0	1819.2	1644.1	1494.4	1196.9	1098.6	1068.6	1199.1
62.5°	2002.4	1991.7	2009.5	2042.6	1971.1	1841.5	1678.5	1335.8	1202.2	1113.8	1234.8
65°	2091.3	2071.2	2077.0	2160.5	2150.2	2056.9	1896.9	1516.7	1299.6	1150.0	1251.4
67.5°	2116.7	2110.0	2125.2	2232.0	2338.8	2322.7	2173.9	1716.4	1394.8	1170.5	1232.6
70°	2011.8	2003.3	2071.2	2236.0	2524.2	2602.8	2464.8	1909.0	1476.1	1162.9	1189.7
72.5°	1656.1	1650.8	1779.9	2057.8	2541.2	2715.0	2618.5	2031.4	1469.4	1091.0	1102.6
75°	1071.3	1053.5	1260.8	1618.2	2280.3	2561.7	2493.4	1877.3	1287.1	969.9	949.8
77.5°	378.9	425.8	544.6	962.3	1732.5	2061.8	1947.4	1408.2	950.7	710.8	669.2
80°	132.2	138.9	173.8	360.5	937.3	1320.6	1228.6	816.2	508.0	370.4	355.2
82.5°	77.7	81.3	91.1	132.2	344.9	627.2	523.6	342.7	185.9	159.0	139.4
85°	26.4	28.1	47.4	67.9	122.4	181.4	163.1	88.0	71.9	64.3	41.5
87.5°	5.4	6.3	10.3	22.3	41.1	46.5	35.3	21.4	29.9	29.9	14.3
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°	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4	558.4
2.5°	562.0	558.0	550.9	544.2	537.0	531.6	524.9	519.6	520.5	517.3	516.5
5°	571.4	562.9	545.9	528.1	509.8	492.3	477.6	465.5	458.8	455.2	454.8
7.5°	586.6	573.6	543.3	510.6	476.2	452.6	436.9	429.3	428.4	427.5	426.2
10°	610.3	589.7	542.4	490.1	446.8	426.2	423.5	428.9	436.5	440.5	440.5
12.5°	635.3	608.9	541.9	469.1	424.0	417.3	429.3	444.5	457.0	462.8	461.9
15°	662.1	628.1	535.2	445.4	407.9	417.7	438.7	455.2	468.2	473.6	474.0
17.5°	690.7	645.6	524.0	419.5	396.3	416.8	438.3	452.6	464.2	468.2	467.3
20°	715.3	661.2	508.4	393.1	386.0	408.3	427.5	438.3	445.0	445.9	445.9
22.5°	735.4	672.4	485.6	368.6	371.7	393.6	408.3	414.1	416.8	418.2	417.7
25°	755.0	680.0	459.7	345.8	354.7	373.9	384.7	390.0	391.8	393.1	394.0
27.5°	768.4	683.5	429.3	320.8	335.1	351.6	361.9	367.2	371.3	373.9	373.9
30°	777.8	681.3	397.6	302.0	318.1	331.9	344.0	351.2	357.0	360.1	360.5
32.5°	786.7	678.6	365.4	283.2	301.1	315.9	329.7	340.4	348.5	352.0	353.4
35°	793.4	672.8	331.5	268.9	285.5	301.1	316.8	330.2	340.4	346.7	348.0
37.5°	800.1	667.0	300.2	253.8	272.1	289.1	306.9	319.9	331.9	340.4	343.1
40°	809.5	663.0	272.5	240.4	261.8	280.6	296.6	311.8	325.7	333.3	336.0
42.5°	822.5	660.3	248.8	230.5	253.8	275.2	292.2	311.8	328.8	332.4	334.2
45°	839.9	660.3	229.6	222.5	249.7	275.2	296.2	317.6	331.0	329.7	331.0
47.5°	859.1	660.3	214.4	215.3	248.0	278.8	302.5	328.4	342.7	346.7	349.4
50°	885.9	660.3	202.4	209.1	244.8	284.6	323.5	349.8	358.3	359.6	360.5
52.5°	915.4	666.1	193.4	202.8	243.9	303.3	340.0	348.9	348.5	344.5	344.0
55°	950.7	676.4	185.4	195.7	247.1	306.9	329.3	331.9	323.5	315.9	314.1
57.5°	986.4	689.3	177.4	186.7	234.5	285.0	311.8	309.6	309.2	305.1	304.7
60°	1025.8	704.1	168.4	172.0	209.5	264.0	288.2	305.6	310.5	306.5	305.6
62.5°	1054.8	721.1	159.0	155.9	188.1	245.3	279.7	301.6	310.9	310.9	310.5
65°	1068.6	729.6	150.1	141.2	169.8	225.6	271.6	290.4	302.0	305.1	304.2
67.5°	1052.6	717.9	143.4	128.7	152.3	205.5	258.7	276.1	291.3	296.2	295.8
70°	1024.9	708.6	138.0	115.7	137.2	184.1	245.7	264.5	279.7	288.2	287.3
72.5°	964.6	675.5	124.6	104.5	120.2	167.1	230.1	252.0	266.3	275.7	275.2
75°	827.8	593.7	104.1	94.3	101.9	150.6	213.1	237.7	248.0	256.9	256.4
77.5°	610.3	446.3	81.8	79.5	85.3	133.1	191.7	215.8	223.8	230.5	229.2
80°	321.7	261.4	64.3	65.2	70.6	114.8	170.2	188.5	195.2	198.8	196.1
82.5°	140.3	113.0	47.8	51.8	55.4	92.0	140.3	156.4	160.8	158.2	150.6
85°	44.7	30.8	28.6	34.0	37.5	61.2	109.0	121.5	129.1	121.1	119.3
87.5°	11.2	10.3	12.1	17.4	19.7	34.0	74.2	76.8	87.1	26.8	25.0
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)