

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: P1208181

Luminaire Tested: UPW-SA1-040-827-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208181  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-827-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 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: 4378 lumens  
Efficiency: N/A  
Efficacy: 99.5 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): 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

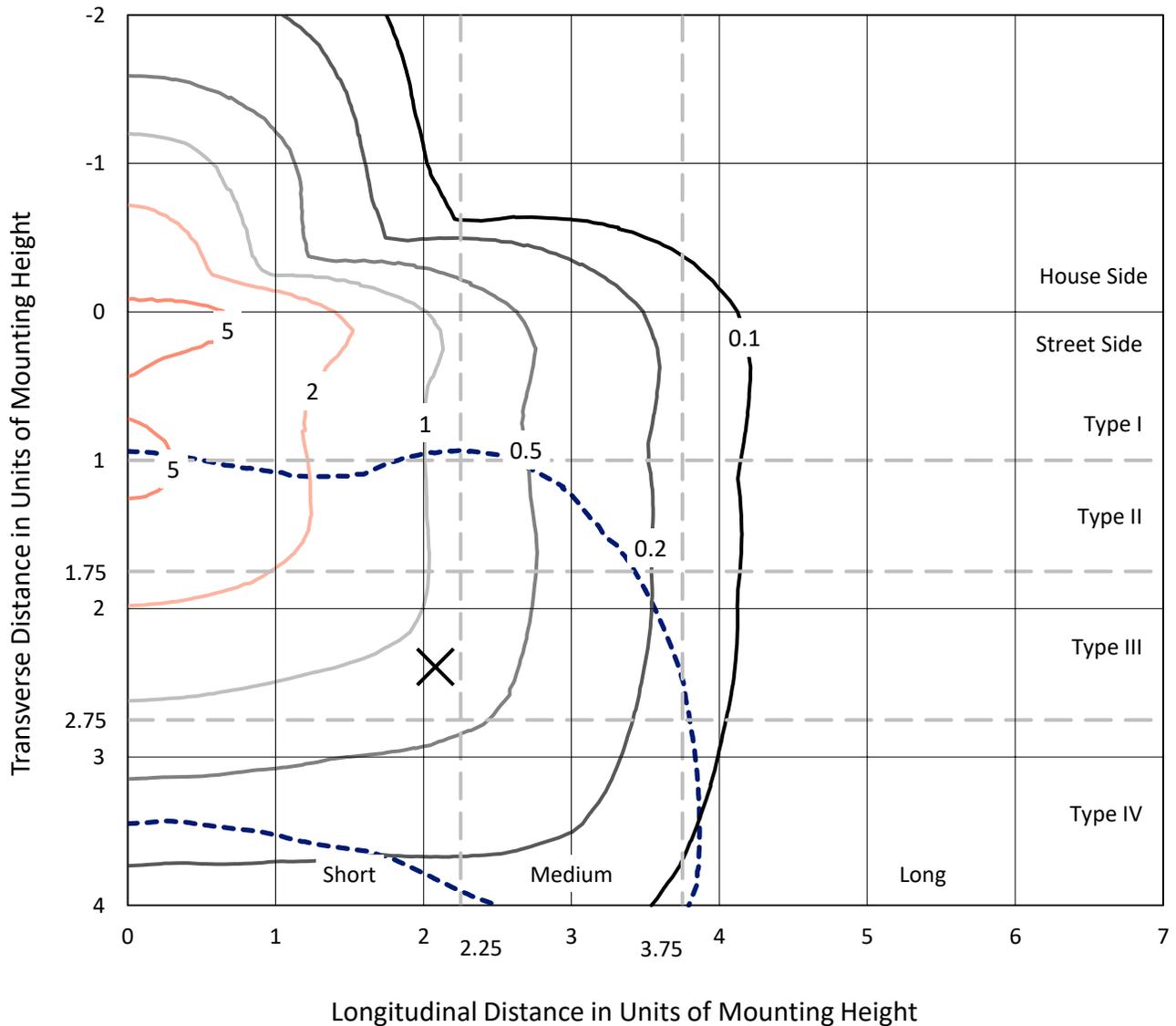


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### Iso-Footcandle Lines of Horizontal Illumination

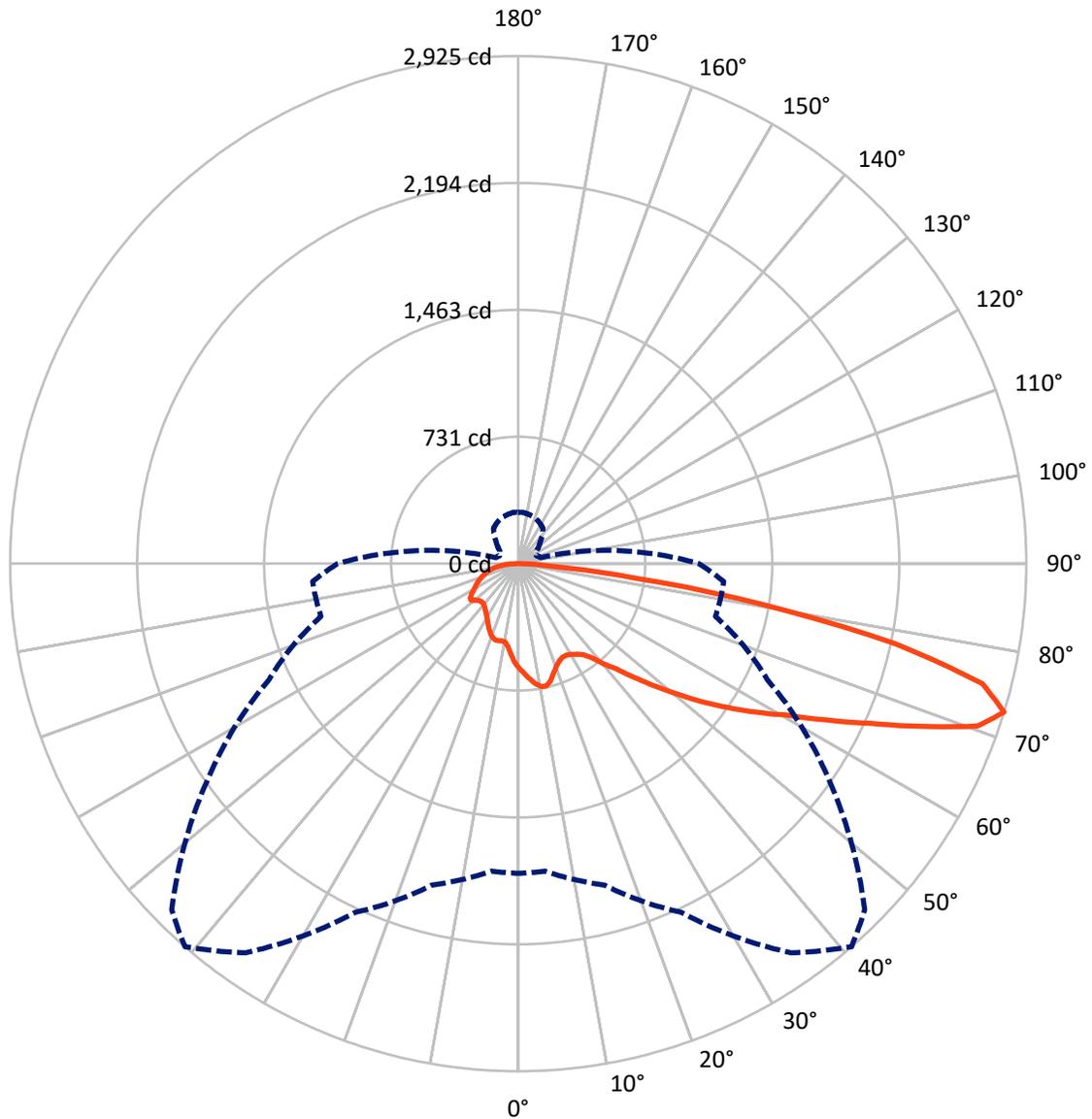
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 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
<b>House Side</b>	Lumens	947.3	0.0	947.3
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	3430.7	0.0	3430.7
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	4378.0	0.0	4378.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	57.4	1.3
10°-20°	172.9	3.9
20°-30°	265.7	6.1
30°-40°	365.3	8.3
40°-50°	556.7	12.7
50°-60°	822.1	18.8
60°-70°	1079.6	24.7
70°-80°	925.0	21.1
80°-90°	133.3	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°	4378.0	100.0
0°-180°	4378.0	100.0



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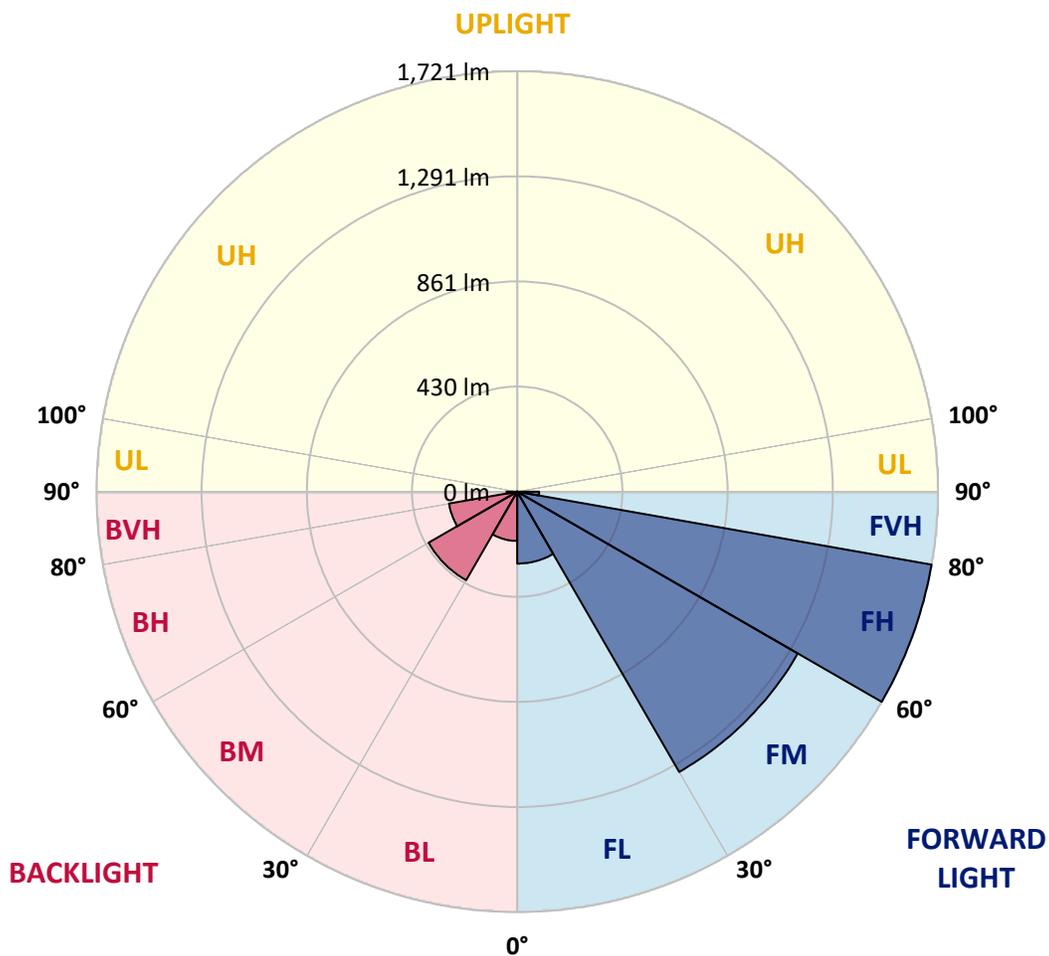
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	294.4	6.7			
FM	(30°-60°)	1325.4	30.3			
FH	(60°-80°)	1721.3	39.3			G1/1800
FVH	(80°-90°)	89.5	2.0			G1/100
BL	(0°-30°)	201.6	4.6	B1/500		
BM	(30°-60°)	418.7	9.6	B1/1000		
BH	(60°-80°)	283.3	6.5	B1/500		G1/500
BVH	(80°-90°)	43.8	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°	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7
2.5°	640.7	638.8	638.8	637.4	635.0	631.6	631.1	626.8	622.4	616.2	609.9
5°	677.8	674.9	674.0	672.0	669.6	664.8	665.3	657.6	648.4	636.4	623.9
7.5°	704.3	702.4	701.9	702.4	699.0	696.6	696.6	687.4	678.3	665.3	646.0
10°	713.4	711.0	712.9	717.3	720.6	720.2	722.6	719.2	712.5	701.4	674.4
12.5°	697.1	697.1	698.0	703.8	714.9	723.5	731.2	745.2	751.5	741.8	708.1
15°	672.0	670.6	669.1	671.5	685.0	699.5	715.8	753.4	780.8	780.3	743.8
17.5°	657.1	656.1	646.0	636.4	643.6	660.5	681.2	741.3	799.6	815.5	779.4
20°	648.4	646.5	634.5	615.2	612.3	629.7	645.6	716.8	802.5	849.2	813.1
22.5°	641.2	640.3	624.9	599.3	592.1	606.6	622.9	687.0	791.9	871.3	842.9
25°	644.6	642.7	623.4	593.1	584.4	596.4	610.9	663.4	773.1	883.8	867.0
27.5°	661.0	661.0	635.4	599.3	588.3	596.4	607.5	650.4	752.9	887.2	889.1
30°	698.5	697.1	664.8	621.0	603.2	606.6	614.3	646.0	733.2	881.0	903.6
32.5°	764.5	759.6	719.7	660.0	625.3	622.0	623.4	643.1	712.9	869.9	917.5
35°	884.3	871.3	810.2	728.8	664.8	644.1	638.3	646.0	700.9	862.2	930.5
37.5°	1044.1	1025.9	950.3	835.2	733.2	688.9	669.1	660.0	699.0	853.0	943.1
40°	1196.3	1185.2	1095.7	961.3	821.7	759.6	727.4	681.2	701.4	847.3	960.4
42.5°	1390.3	1372.5	1268.5	1093.7	919.0	829.4	782.7	709.6	716.8	851.1	980.1
45°	1599.2	1595.8	1466.3	1256.4	1040.3	932.9	873.7	763.0	746.6	866.5	1009.5
47.5°	1825.0	1809.6	1673.8	1445.6	1178.0	1049.0	975.8	824.6	789.5	892.5	1048.5
50°	2017.0	2006.0	1866.4	1620.4	1328.2	1176.0	1090.8	899.2	842.9	927.6	1089.4
52.5°	2119.6	2111.4	2025.7	1804.3	1482.2	1320.0	1197.2	977.2	909.8	971.5	1134.2
55°	2095.0	2090.2	2089.7	1942.9	1650.2	1464.9	1318.5	1060.5	986.9	1023.9	1187.1
57.5°	2088.3	2080.1	2084.4	2038.7	1810.0	1614.6	1453.3	1164.0	1083.1	1087.0	1242.5
60°	2095.0	2090.2	2114.8	2097.9	1960.2	1771.5	1610.3	1289.7	1183.8	1151.5	1292.1
62.5°	2157.6	2146.1	2165.3	2200.9	2123.9	1984.3	1808.6	1439.4	1295.4	1200.1	1330.6
65°	2253.4	2231.7	2238.0	2328.0	2317.0	2216.3	2044.0	1634.3	1400.4	1239.1	1348.4
67.5°	2280.9	2273.6	2290.0	2405.1	2520.1	2502.8	2342.5	1849.5	1502.9	1261.3	1328.2
70°	2167.7	2158.6	2231.7	2409.4	2719.9	2804.6	2655.9	2057.0	1590.5	1253.1	1282.0
72.5°	1784.5	1778.8	1917.9	2217.3	2738.2	2925.4	2821.5	2188.9	1583.3	1175.6	1188.1
75°	1154.4	1135.1	1358.5	1743.6	2457.0	2760.3	2686.7	2022.8	1386.9	1045.1	1023.4
77.5°	408.2	458.8	586.8	1036.9	1866.9	2221.6	2098.4	1517.4	1024.4	765.9	721.1
80°	142.5	149.7	187.3	388.5	1010.0	1423.0	1323.8	879.5	547.3	399.1	382.7
82.5°	83.8	87.6	98.2	142.5	371.6	675.9	564.2	369.2	200.3	171.4	150.2
85°	28.4	30.3	51.0	73.2	131.9	195.4	175.7	94.8	77.5	69.3	44.8
87.5°	5.8	6.7	11.1	24.1	44.3	50.1	38.0	23.1	32.3	32.3	15.4
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°	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7	601.7
2.5°	605.6	601.3	593.6	586.3	578.6	572.9	565.6	559.9	560.8	557.5	556.5
5°	615.7	606.6	588.3	569.0	549.3	530.5	514.6	501.6	494.4	490.5	490.1
7.5°	632.1	618.1	585.4	550.2	513.2	487.7	470.8	462.6	461.7	460.7	459.3
10°	657.6	635.4	584.4	528.1	481.4	459.3	456.4	462.1	470.3	474.7	474.7
12.5°	684.5	656.1	583.9	505.5	456.8	449.6	462.6	479.0	492.5	498.7	497.8
15°	713.4	676.8	576.7	480.0	439.5	450.1	472.7	490.5	504.5	510.3	510.8
17.5°	744.2	695.6	564.7	452.0	427.0	449.1	472.2	487.7	500.2	504.5	503.5
20°	770.7	712.5	547.8	423.6	415.9	440.0	460.7	472.2	479.5	480.4	480.4
22.5°	792.4	724.5	523.3	397.2	400.5	424.1	440.0	446.3	449.1	450.6	450.1
25°	813.6	732.7	495.4	372.6	382.2	402.9	414.5	420.3	422.2	423.6	424.6
27.5°	828.0	736.5	462.6	345.6	361.0	378.9	389.9	395.7	400.0	402.9	402.9
30°	838.1	734.1	428.4	325.4	342.8	357.7	370.7	378.4	384.6	388.0	388.5
32.5°	847.7	731.2	393.8	305.2	324.5	340.3	355.3	366.8	375.5	379.3	380.8
35°	855.0	725.0	357.2	289.8	307.6	324.5	341.3	355.8	366.8	373.6	375.0
37.5°	862.2	718.7	323.5	273.4	293.2	311.5	330.7	344.7	357.7	366.8	369.7
40°	872.3	714.4	293.7	259.0	282.1	302.3	319.6	336.0	350.9	359.1	362.0
42.5°	886.2	711.5	268.1	248.4	273.4	296.5	314.8	336.0	354.3	358.2	360.1
45°	905.0	711.5	247.4	239.7	269.1	296.5	319.2	342.3	356.7	355.3	356.7
47.5°	925.7	711.5	231.1	232.0	267.2	300.4	325.9	353.8	369.2	373.6	376.5
50°	954.6	711.5	218.1	225.3	263.8	306.6	348.5	376.9	386.1	387.5	388.5
52.5°	986.4	717.8	208.4	218.6	262.8	326.9	366.3	376.0	375.5	371.2	370.7
55°	1024.4	728.8	199.8	210.9	266.2	330.7	354.8	357.7	348.5	340.3	338.4
57.5°	1062.9	742.8	191.1	201.2	252.7	307.1	336.0	333.6	333.1	328.8	328.3
60°	1105.3	758.7	181.5	185.3	225.8	284.5	310.5	329.3	334.6	330.2	329.3
62.5°	1136.6	777.0	171.4	168.0	202.7	264.3	301.4	324.9	335.1	335.1	334.6
65°	1151.5	786.1	161.7	152.1	182.9	243.1	292.7	312.9	325.4	328.8	327.8
67.5°	1134.2	773.6	154.5	138.6	164.2	221.4	278.7	297.5	313.9	319.2	318.7
70°	1104.3	763.5	148.8	124.7	147.8	198.3	264.8	285.0	301.4	310.5	309.5
72.5°	1039.3	727.9	134.3	112.6	129.5	180.0	247.9	271.5	286.9	297.0	296.5
75°	892.0	639.8	112.2	101.6	109.8	162.2	229.6	256.1	267.2	276.8	276.3
77.5°	657.6	480.9	88.1	85.7	91.9	143.5	206.5	232.5	241.2	248.4	247.0
80°	346.6	281.6	69.3	70.3	76.1	123.7	183.4	203.1	210.4	214.2	211.3
82.5°	151.2	121.8	51.5	55.8	59.7	99.2	151.2	168.5	173.3	170.4	162.2
85°	48.1	33.2	30.8	36.6	40.4	66.0	117.5	130.9	139.1	130.5	128.5
87.5°	12.0	11.1	13.0	18.8	21.2	36.6	79.9	82.8	93.9	28.9	27.0
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)