

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: P1208019

Luminaire Tested: UPW-SA1-040-727-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208019  
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-SA1-040-727-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 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: 4981 lumens  
Efficiency: N/A  
Efficacy: 113.2 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

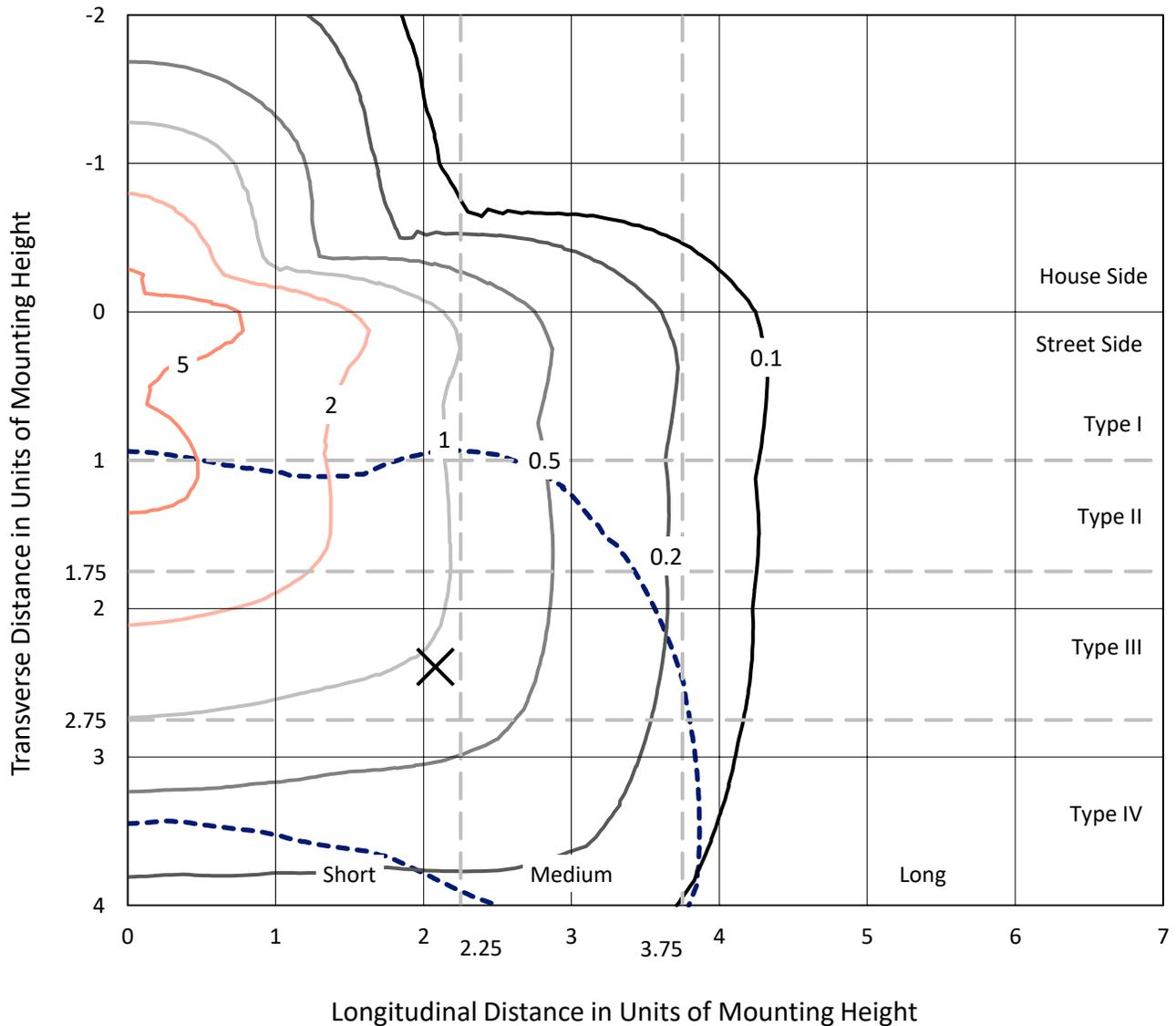


REPORT NUMBER: P1208019

CATALOG NUMBER: UPW-SA1-040-727-U-SL4

### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

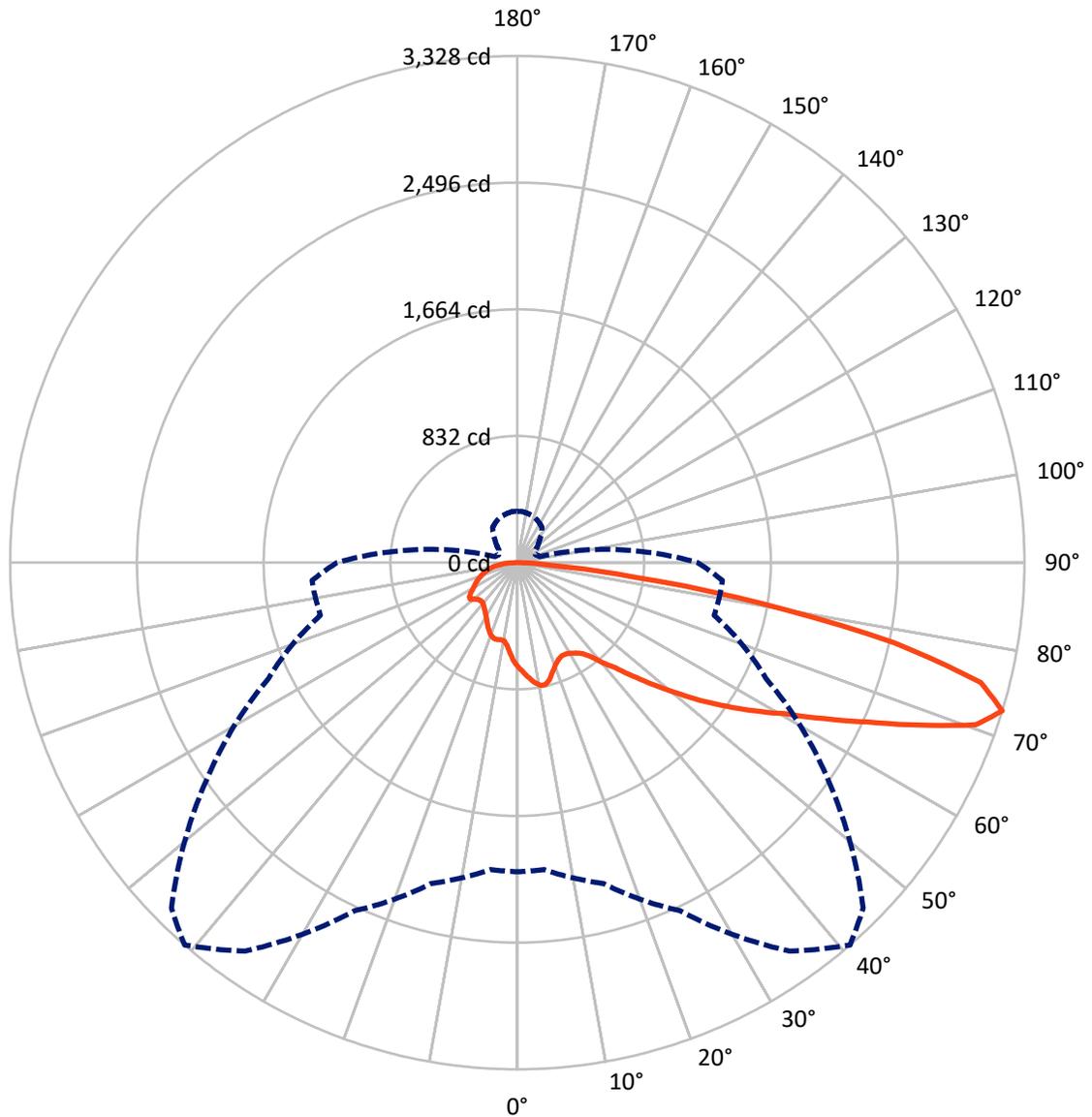


Based on 10 foot mounting height. Maximum calculated value = 7.9 fc  
 Type IV - Short - N/A

REPORT NUMBER: P1208019

CATALOG NUMBER: UPW-SA1-040-727-U-SL4

### Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

REPORT NUMBER: P1208019

CATALOG NUMBER: UPW-SA1-040-727-U-SL4

**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	1077.8	0.0	1077.8
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	3903.2	0.0	3903.2
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	4981.0	0.0	4981.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	65.3	1.3
10°-20°	196.7	3.9
20°-30°	302.3	6.1
30°-40°	415.6	8.3
40°-50°	633.3	12.7
50°-60°	935.3	18.8
60°-70°	1228.3	24.7
70°-80°	1052.4	21.1
80°-90°	151.6	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°	4981.0	100.0
0°-180°	4981.0	100.0



REPORT NUMBER: P1208019

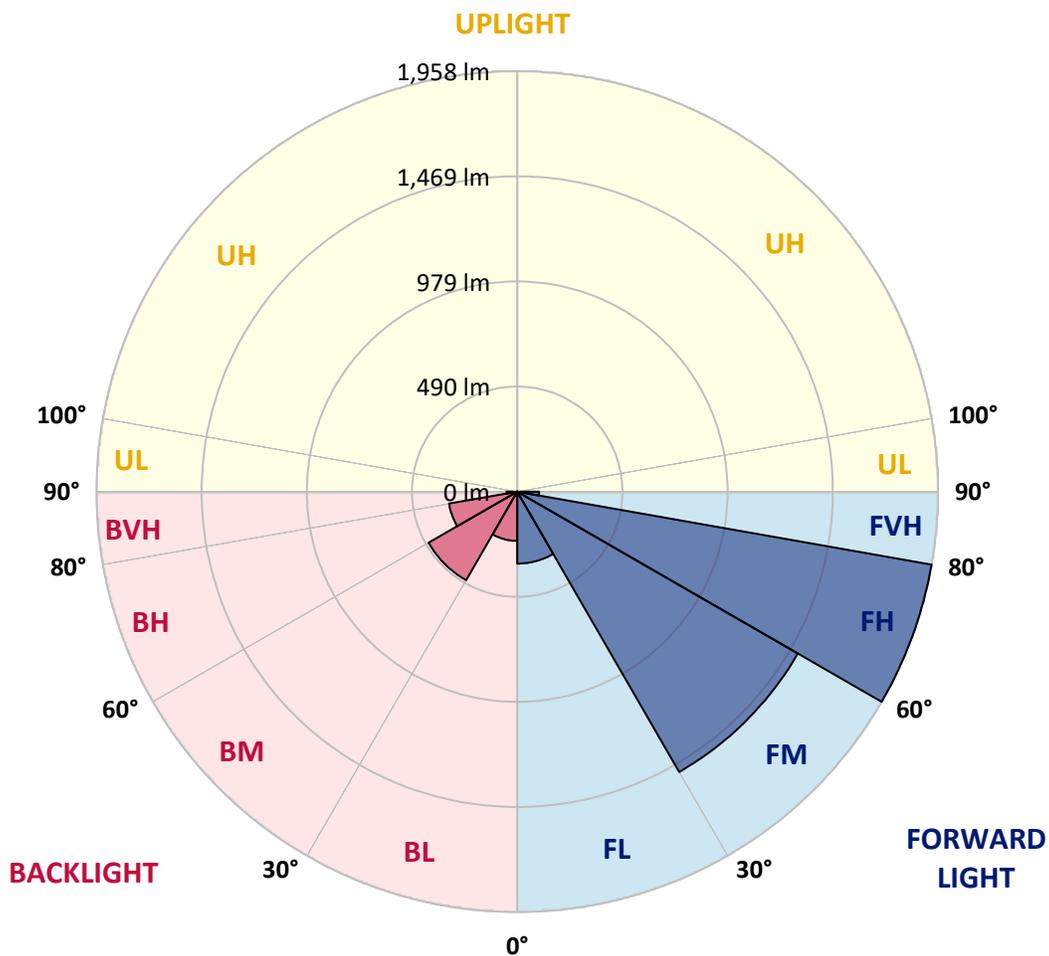
CATALOG NUMBER: UPW-SA1-040-727-U-SL4

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	335.0	6.7			
FM	(30°-60°)	1507.9	30.3			
FH	(60°-80°)	1958.4	39.3			G2/5000
FVH	(80°-90°)	101.8	2.0			G2/225
BL	(0°-30°)	229.4	4.6	B1/500		
BM	(30°-60°)	476.4	9.6	B1/1000		
BH	(60°-80°)	322.3	6.5	B1/500		G1/500
BVH	(80°-90°)	49.8	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-G2**

Type IV Short





REPORT NUMBER: P1208019

CATALOG NUMBER: UPW-SA1-040-727-U-SL4

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6
2.5°	729.0	726.8	726.8	725.2	722.4	718.6	718.0	713.1	708.2	701.1	693.9
5°	771.2	767.9	766.8	764.6	761.9	756.4	756.9	748.2	737.8	724.1	709.8
7.5°	801.3	799.1	798.5	799.1	795.3	792.5	792.5	782.1	771.7	756.9	735.0
10°	811.7	809.0	811.1	816.1	819.9	819.4	822.1	818.3	810.6	798.0	767.3
12.5°	793.1	793.1	794.2	800.7	813.3	823.2	832.0	847.8	855.0	844.0	805.7
15°	764.6	762.9	761.3	764.0	779.4	795.8	814.4	857.2	888.4	887.8	846.2
17.5°	747.6	746.5	735.0	724.1	732.3	751.4	775.0	843.5	909.7	927.8	886.7
20°	737.8	735.6	721.9	700.0	696.7	716.4	734.5	815.5	913.0	966.1	925.1
22.5°	729.5	728.4	710.9	681.9	673.7	690.1	708.7	781.6	901.0	991.3	959.0
25°	733.4	731.2	709.3	674.8	664.9	678.6	695.0	754.7	879.6	1005.6	986.4
27.5°	752.0	752.0	723.0	681.9	669.3	678.6	691.2	739.9	856.6	1009.4	1011.6
30°	794.7	793.1	756.4	706.5	686.3	690.1	698.9	735.0	834.1	1002.3	1028.0
32.5°	869.7	864.3	818.8	750.9	711.5	707.6	709.3	731.7	811.1	989.7	1043.9
35°	1006.1	991.3	921.8	829.2	756.4	732.8	726.3	735.0	797.5	980.9	1058.7
37.5°	1188.0	1167.1	1081.2	950.3	834.1	783.8	761.3	750.9	795.3	970.5	1072.9
40°	1361.0	1348.4	1246.6	1093.8	934.9	864.3	827.6	775.0	798.0	964.0	1092.7
42.5°	1581.8	1561.5	1443.2	1244.4	1045.6	943.7	890.6	807.3	815.5	968.3	1115.1
45°	1819.5	1815.6	1668.3	1429.5	1183.6	1061.4	994.1	868.1	849.5	985.9	1148.5
47.5°	2076.3	2058.8	1904.4	1644.7	1340.2	1193.4	1110.2	938.2	898.2	1015.4	1192.9
50°	2294.9	2282.3	2123.4	1843.6	1511.1	1338.0	1241.1	1023.1	959.0	1055.4	1239.4
52.5°	2411.5	2402.2	2304.7	2052.8	1686.4	1501.8	1362.1	1111.8	1035.2	1105.3	1290.4
55°	2383.6	2378.1	2377.6	2210.5	1877.5	1666.7	1500.2	1206.6	1122.8	1165.0	1350.6
57.5°	2375.9	2366.6	2371.5	2319.5	2059.4	1837.0	1653.5	1324.3	1232.3	1236.7	1413.6
60°	2383.6	2378.1	2406.0	2386.9	2230.2	2015.5	1832.1	1467.3	1346.8	1310.1	1470.0
62.5°	2454.8	2441.6	2463.6	2504.1	2416.5	2257.6	2057.7	1637.6	1473.9	1365.4	1513.8
65°	2563.8	2539.1	2546.3	2648.7	2636.1	2521.6	2325.5	1859.4	1593.3	1409.8	1534.1
67.5°	2595.0	2586.8	2605.4	2736.3	2867.2	2847.5	2665.1	2104.3	1709.9	1435.0	1511.1
70°	2466.3	2455.9	2539.1	2741.2	3094.5	3190.9	3021.7	2340.3	1809.6	1425.7	1458.5
72.5°	2030.3	2023.8	2182.0	2522.7	3115.3	3328.4	3210.1	2490.4	1801.4	1337.5	1351.7
75°	1313.4	1291.5	1545.6	1983.8	2795.5	3140.5	3056.7	2301.4	1577.9	1189.1	1164.4
77.5°	464.4	522.0	667.6	1179.7	2124.0	2527.6	2387.4	1726.4	1165.5	871.4	820.5
80°	162.1	170.3	213.1	442.0	1149.1	1619.0	1506.2	1000.6	622.7	454.0	435.4
82.5°	95.3	99.7	111.7	162.1	422.8	769.0	641.9	420.1	227.8	195.0	170.9
85°	32.3	34.5	58.1	83.3	150.1	222.4	199.9	107.9	88.2	78.9	50.9
87.5°	6.6	7.7	12.6	27.4	50.4	57.0	43.3	26.3	36.7	36.7	17.5
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208019

CATALOG NUMBER: UPW-SA1-040-727-U-SL4

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6	684.6
2.5°	689.0	684.1	675.3	667.1	658.3	651.8	643.5	637.0	638.1	634.2	633.1
5°	700.5	690.1	669.3	647.4	624.9	603.6	585.5	570.7	562.5	558.1	557.6
7.5°	719.1	703.2	666.0	626.0	583.8	554.8	535.7	526.3	525.2	524.1	522.5
10°	748.2	723.0	664.9	600.8	547.7	522.5	519.2	525.8	535.1	540.0	540.0
12.5°	778.8	746.5	664.4	575.1	519.8	511.6	526.3	545.0	560.3	567.4	566.3
15°	811.7	770.1	656.1	546.1	500.1	512.1	537.8	558.1	574.0	580.6	581.1
17.5°	846.7	791.4	642.5	514.3	485.8	511.0	537.3	554.8	569.1	574.0	572.9
20°	876.9	810.6	623.3	482.0	473.2	500.6	524.1	537.3	545.5	546.6	546.6
22.5°	901.5	824.3	595.3	451.9	455.7	482.5	500.6	507.7	511.0	512.6	512.1
25°	925.6	833.6	563.6	423.9	434.9	458.4	471.6	478.1	480.3	482.0	483.1
27.5°	942.0	838.0	526.3	393.2	410.8	431.0	443.6	450.2	455.1	458.4	458.4
30°	953.5	835.2	487.5	370.2	390.0	406.9	421.7	430.5	437.6	441.4	442.0
32.5°	964.5	832.0	448.0	347.2	369.1	387.2	404.2	417.3	427.2	431.6	433.2
35°	972.7	824.8	406.4	329.7	350.0	369.1	388.3	404.8	417.3	425.0	426.7
37.5°	980.9	817.7	368.1	311.1	333.5	354.4	376.3	392.2	406.9	417.3	420.6
40°	992.4	812.8	334.1	294.7	321.0	344.0	363.7	382.3	399.3	408.6	411.9
42.5°	1008.3	809.5	305.1	282.6	311.1	337.4	358.2	382.3	403.1	407.5	409.7
45°	1029.7	809.5	281.5	272.8	306.2	337.4	363.1	389.4	405.8	404.2	405.8
47.5°	1053.2	809.5	262.9	264.0	304.0	341.8	370.8	402.6	420.1	425.0	428.3
50°	1086.1	809.5	248.1	256.3	300.1	348.9	396.5	428.8	439.3	440.9	442.0
52.5°	1122.2	816.6	237.2	248.7	299.0	371.9	416.8	427.8	427.2	422.3	421.7
55°	1165.5	829.2	227.3	239.9	302.9	376.3	403.7	406.9	396.5	387.2	385.0
57.5°	1209.3	845.1	217.4	228.9	287.5	349.4	382.3	379.6	379.0	374.1	373.5
60°	1257.5	863.2	206.5	210.9	256.9	323.7	353.3	374.6	380.7	375.7	374.6
62.5°	1293.1	884.0	195.0	191.1	230.6	300.7	342.9	369.7	381.2	381.2	380.7
65°	1310.1	894.4	184.0	173.1	208.1	276.6	333.0	356.0	370.2	374.1	373.0
67.5°	1290.4	880.2	175.8	157.7	186.8	251.9	317.1	338.5	357.1	363.1	362.6
70°	1256.4	868.7	169.2	141.9	168.1	225.7	301.2	324.2	342.9	353.3	352.2
72.5°	1182.5	828.1	152.8	128.2	147.3	204.8	282.1	308.9	326.4	337.9	337.4
75°	1014.9	727.9	127.6	115.6	124.9	184.6	261.3	291.4	304.0	314.9	314.4
77.5°	748.2	547.2	100.2	97.5	104.6	163.2	235.0	264.5	274.4	282.6	281.0
80°	394.3	320.4	78.9	80.0	86.5	140.8	208.7	231.1	239.3	243.7	240.4
82.5°	172.0	138.6	58.6	63.5	67.9	112.8	172.0	191.7	197.2	193.9	184.6
85°	54.8	37.8	35.1	41.6	46.0	75.0	133.6	149.0	158.3	148.4	146.2
87.5°	13.7	12.6	14.8	21.4	24.1	41.6	90.9	94.2	106.8	32.9	30.7
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)