

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: P1208667

Luminaire Tested: UPW-SA1-070-827-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208667
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-SA1-070-827-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1200mA 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: 5944 lumens
Efficiency: N/A
Efficacy: 90.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 66
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

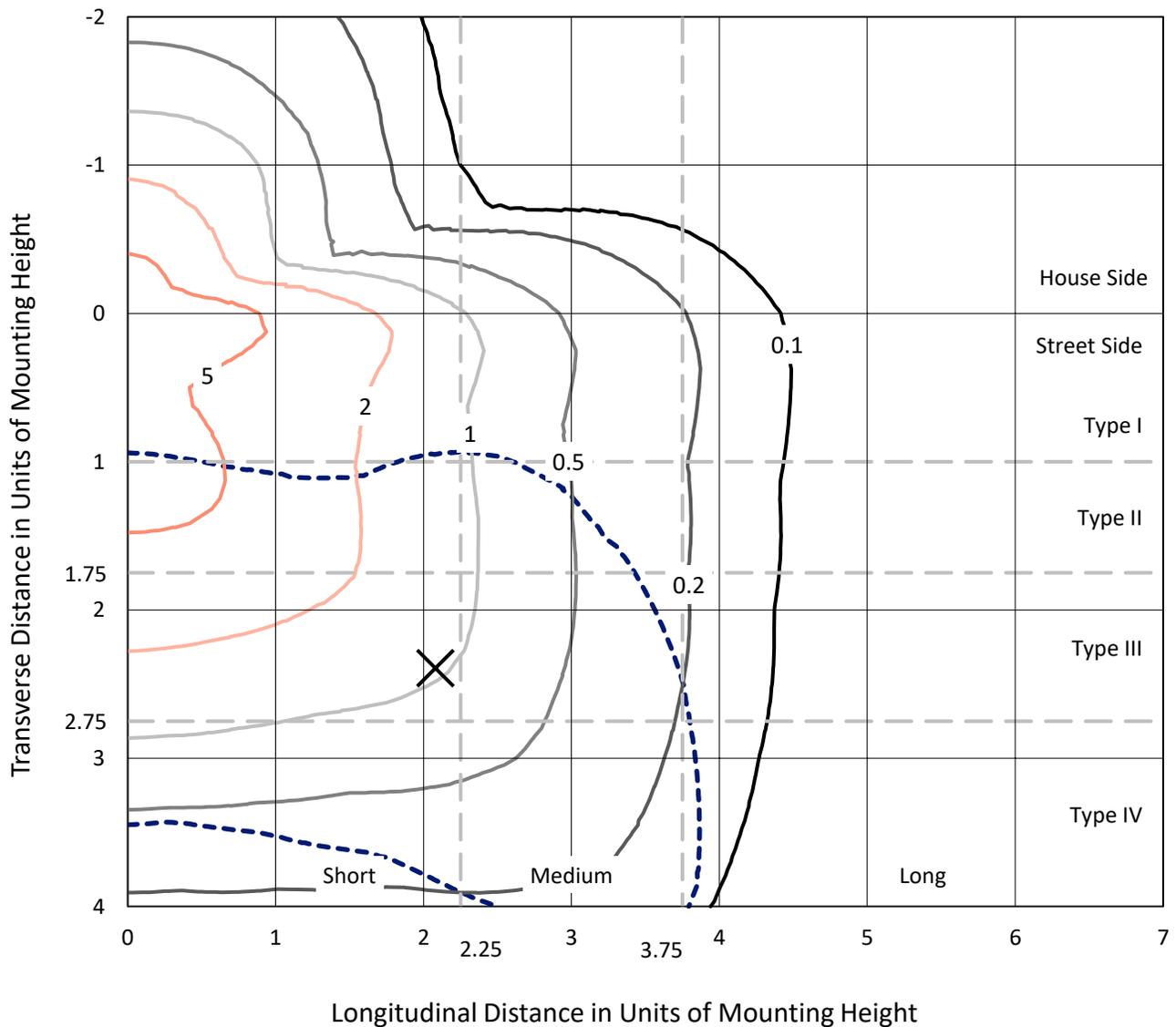


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

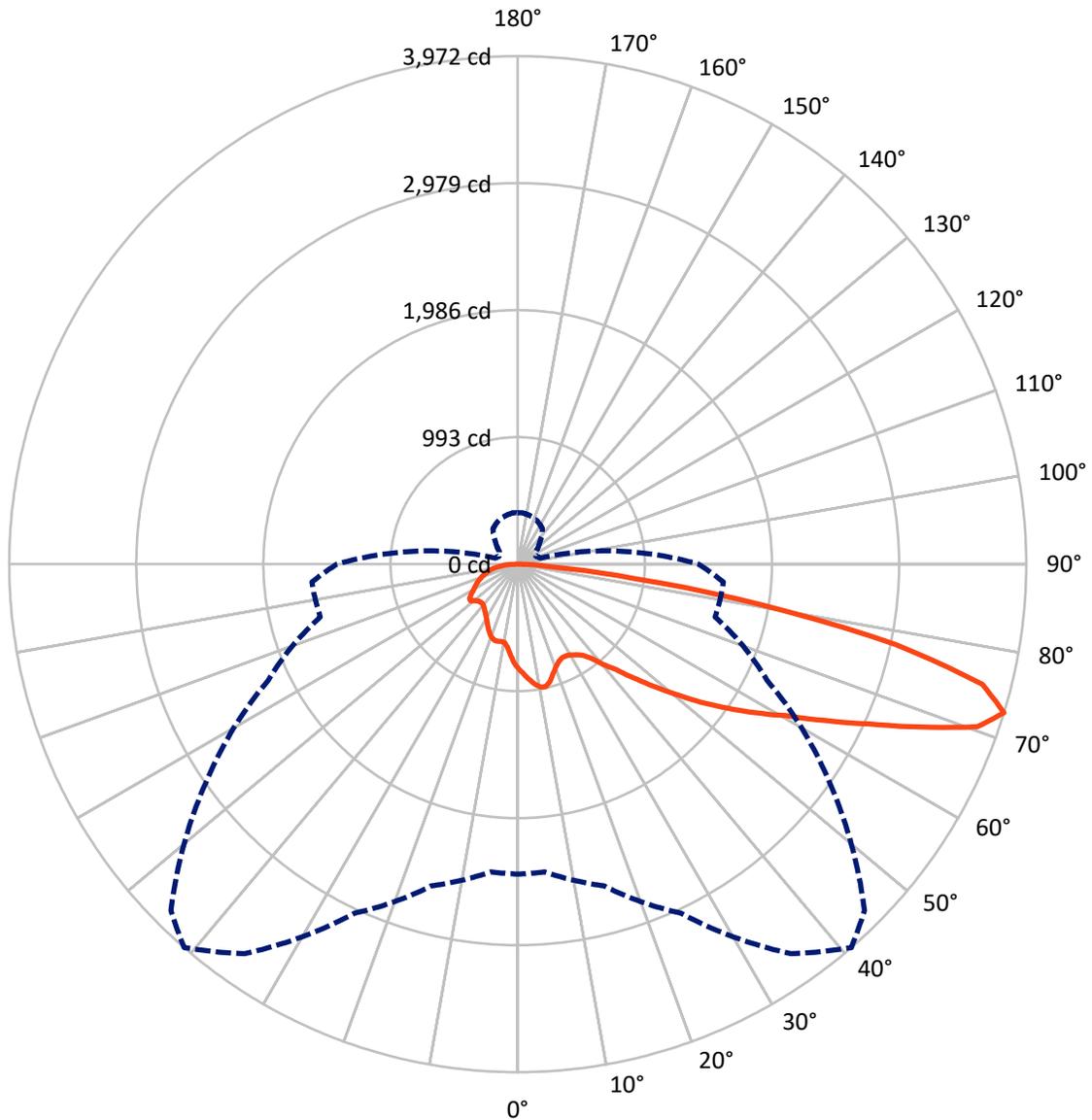


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type IV - Short - N/A

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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
House Side	Lumens	1286.2	0.0	1286.2
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	4657.8	0.0	4657.8
	% Fixture	78.4	0.0	78.4
Total	Lumens	5944.0	0.0	5944.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.9	1.3
10°-20°	234.8	3.9
20°-30°	360.8	6.1
30°-40°	496.0	8.3
40°-50°	755.8	12.7
50°-60°	1116.1	18.8
60°-70°	1465.8	24.7
70°-80°	1255.9	21.1
80°-90°	180.9	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°	5944.0	100.0
0°-180°	5944.0	100.0



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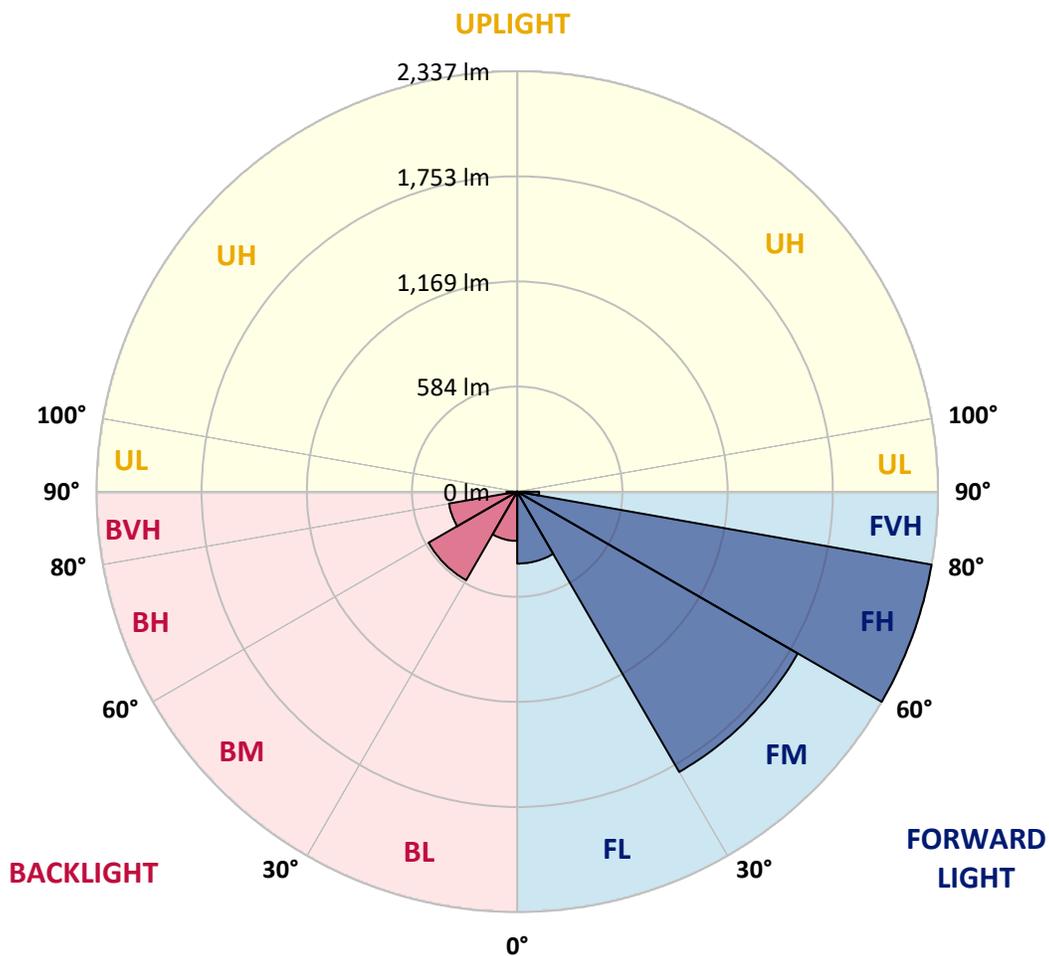
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	399.8	6.7			
FM	(30°-60°)	1799.5	30.3			
FH	(60°-80°)	2337.1	39.3			G2/5000
FVH	(80°-90°)	121.5	2.0			G2/225
BL	(0°-30°)	273.7	4.6	B1/500		
BM	(30°-60°)	568.5	9.6	B1/1000		
BH	(60°-80°)	384.6	6.5	B1/500		G1/500
BVH	(80°-90°)	59.4	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°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	869.9	867.3	867.3	865.4	862.1	857.5	856.9	851.0	845.1	836.6	828.1
5°	920.3	916.3	915.0	912.4	909.1	902.6	903.3	892.8	880.4	864.0	847.1
7.5°	956.2	953.6	952.9	953.6	949.0	945.7	945.7	933.3	920.9	903.3	877.1
10°	968.6	965.4	968.0	973.8	978.4	977.8	981.0	976.5	967.3	952.3	915.7
12.5°	946.4	946.4	947.7	955.5	970.6	982.3	992.8	1011.8	1020.3	1007.2	961.4
15°	912.4	910.4	908.5	911.8	930.1	949.7	971.9	1022.9	1060.1	1059.5	1009.8
17.5°	892.1	890.8	877.1	864.0	873.8	896.7	924.8	1006.5	1085.6	1107.2	1058.2
20°	880.4	877.8	861.4	835.3	831.4	854.9	876.5	973.2	1089.5	1152.9	1103.9
22.5°	870.6	869.3	848.4	813.7	803.9	823.5	845.7	932.7	1075.2	1183.0	1144.4
25°	875.2	872.5	846.4	805.2	793.5	809.8	829.4	900.6	1049.7	1200.0	1177.1
27.5°	897.4	897.4	862.7	813.7	798.7	809.8	824.8	883.0	1022.2	1204.6	1207.2
30°	948.4	946.4	902.6	843.1	818.9	823.5	834.0	877.1	995.4	1196.1	1226.8
32.5°	1037.9	1031.4	977.1	896.1	849.0	844.4	846.4	873.2	968.0	1181.0	1245.7
35°	1200.6	1183.0	1100.0	989.5	902.6	874.5	866.7	877.1	951.6	1170.6	1263.4
37.5°	1417.6	1392.8	1290.2	1134.0	995.4	935.3	908.5	896.1	949.0	1158.2	1280.4
40°	1624.2	1609.1	1487.6	1305.2	1115.7	1031.4	987.6	924.8	952.3	1150.3	1303.9
42.5°	1887.6	1863.4	1722.2	1485.0	1247.7	1126.1	1062.7	963.4	973.2	1155.5	1330.7
45°	2171.2	2166.6	1990.8	1705.9	1412.4	1266.7	1186.3	1035.9	1013.7	1176.5	1370.6
47.5°	2477.8	2456.8	2272.5	1962.7	1599.3	1424.2	1324.8	1119.6	1071.9	1211.8	1423.5
50°	2738.5	2723.5	2534.0	2200.0	1803.3	1596.7	1481.0	1220.9	1144.4	1259.5	1479.1
52.5°	2877.8	2866.6	2750.3	2449.7	2012.4	1792.1	1625.5	1326.8	1235.3	1318.9	1539.9
55°	2844.4	2837.9	2837.2	2637.9	2240.5	1988.9	1790.2	1439.9	1339.9	1390.2	1611.8
57.5°	2835.3	2824.2	2830.0	2768.0	2457.5	2192.1	1973.2	1580.4	1470.6	1475.8	1686.9
60°	2844.4	2837.9	2871.2	2848.3	2661.4	2405.2	2186.3	1751.0	1607.2	1563.4	1754.2
62.5°	2929.4	2913.7	2939.8	2988.2	2883.6	2694.1	2455.5	1954.2	1758.8	1629.4	1806.5
65°	3059.5	3030.0	3038.5	3160.8	3145.7	3009.1	2775.1	2218.9	1901.3	1682.3	1830.7
67.5°	3096.7	3086.9	3109.1	3265.3	3421.5	3398.0	3180.4	2511.1	2040.5	1712.4	1803.3
70°	2943.1	2930.7	3030.0	3271.2	3692.8	3807.8	3605.9	2792.8	2159.5	1701.3	1740.5
72.5°	2422.9	2415.0	2603.9	3010.4	3717.6	3971.9	3830.7	2971.9	2149.7	1596.1	1613.1
75°	1567.3	1541.2	1844.4	2367.3	3335.9	3747.7	3647.7	2746.4	1883.0	1418.9	1389.5
77.5°	554.2	622.9	796.7	1407.8	2534.6	3016.3	2849.0	2060.1	1390.8	1039.9	979.1
80°	193.5	203.3	254.2	527.4	1371.2	1932.0	1797.4	1194.1	743.1	541.8	519.6
82.5°	113.7	119.0	133.3	193.5	504.6	917.6	766.0	501.3	271.9	232.7	203.9
85°	38.6	41.2	69.3	99.3	179.1	265.4	238.6	128.8	105.2	94.1	60.8
87.5°	7.8	9.2	15.0	32.7	60.1	68.0	51.6	31.4	43.8	43.8	20.9
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°	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0	817.0
2.5°	822.2	816.3	805.9	796.1	785.6	777.8	768.0	760.1	761.4	756.9	755.5
5°	835.9	823.5	798.7	772.5	745.7	720.3	698.7	681.0	671.2	666.0	665.4
7.5°	858.2	839.2	794.8	747.1	696.7	662.1	639.2	628.1	626.8	625.5	623.5
10°	892.8	862.7	793.5	717.0	653.6	623.5	619.6	627.4	638.6	644.4	644.4
12.5°	929.4	890.8	792.8	686.3	620.3	610.5	628.1	650.3	668.6	677.1	675.8
15°	968.6	918.9	783.0	651.6	596.7	611.1	641.8	666.0	685.0	692.8	693.5
17.5°	1010.4	944.4	766.7	613.7	579.7	609.8	641.2	662.1	679.1	685.0	683.7
20°	1046.4	967.3	743.8	575.2	564.7	597.4	625.5	641.2	651.0	652.3	652.3
22.5°	1075.8	983.7	710.5	539.2	543.8	575.8	597.4	605.9	609.8	611.8	611.1
25°	1104.6	994.8	672.5	505.9	518.9	547.1	562.7	570.6	573.2	575.2	576.5
27.5°	1124.2	1000.0	628.1	469.3	490.2	514.4	529.4	537.3	543.1	547.1	547.1
30°	1137.9	996.7	581.7	441.8	465.4	485.6	503.3	513.7	522.2	526.8	527.4
32.5°	1151.0	992.8	534.6	414.4	440.5	462.1	482.3	498.0	509.8	515.0	517.0
35°	1160.8	984.3	485.0	393.5	417.6	440.5	463.4	483.0	498.0	507.2	509.1
37.5°	1170.6	975.8	439.2	371.2	398.0	422.9	449.0	468.0	485.6	498.0	502.0
40°	1184.3	969.9	398.7	351.6	383.0	410.5	434.0	456.2	476.5	487.6	491.5
42.5°	1203.3	966.0	364.0	337.3	371.2	402.6	427.4	456.2	481.0	486.3	488.9
45°	1228.7	966.0	335.9	325.5	365.4	402.6	433.3	464.7	484.3	482.3	484.3
47.5°	1256.9	966.0	313.7	315.0	362.7	407.8	442.5	480.4	501.3	507.2	511.1
50°	1296.1	966.0	296.1	305.9	358.2	416.3	473.2	511.8	524.2	526.1	527.4
52.5°	1339.2	974.5	283.0	296.7	356.9	443.8	497.4	510.5	509.8	503.9	503.3
55°	1390.8	989.5	271.2	286.3	361.4	449.0	481.7	485.6	473.2	462.1	459.5
57.5°	1443.1	1008.5	259.5	273.2	343.1	417.0	456.2	452.9	452.3	446.4	445.7
60°	1500.6	1030.1	246.4	251.6	306.5	386.3	421.6	447.1	454.2	448.4	447.1
62.5°	1543.1	1054.9	232.7	228.1	275.2	358.8	409.1	441.2	454.9	454.9	454.2
65°	1563.4	1067.3	219.6	206.5	248.4	330.1	397.4	424.8	441.8	446.4	445.1
67.5°	1539.9	1050.3	209.8	188.2	222.9	300.7	378.4	403.9	426.1	433.3	432.7
70°	1499.3	1036.6	202.0	169.3	200.7	269.3	359.5	386.9	409.1	421.6	420.3
72.5°	1411.1	988.2	182.4	152.9	175.8	244.4	336.6	368.6	389.5	403.3	402.6
75°	1211.1	868.6	152.3	137.9	149.0	220.3	311.8	347.7	362.7	375.8	375.2
77.5°	892.8	652.9	119.6	116.3	124.8	194.8	280.4	315.7	327.4	337.3	335.3
80°	470.6	382.3	94.1	95.4	103.3	168.0	249.0	275.8	285.6	290.8	286.9
82.5°	205.2	165.4	69.9	75.8	81.0	134.6	205.2	228.8	235.3	231.4	220.3
85°	65.4	45.1	41.8	49.7	54.9	89.5	159.5	177.8	188.9	177.1	174.5
87.5°	16.3	15.0	17.6	25.5	28.8	49.7	108.5	112.4	127.4	39.2	36.6
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)