

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: P1208424

Luminaire Tested: UPW-SA1-060-827-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208424
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-SA1-060-827-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 1050mA 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: 5419 lumens
Efficiency: N/A
Efficacy: 93.4 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): 58
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

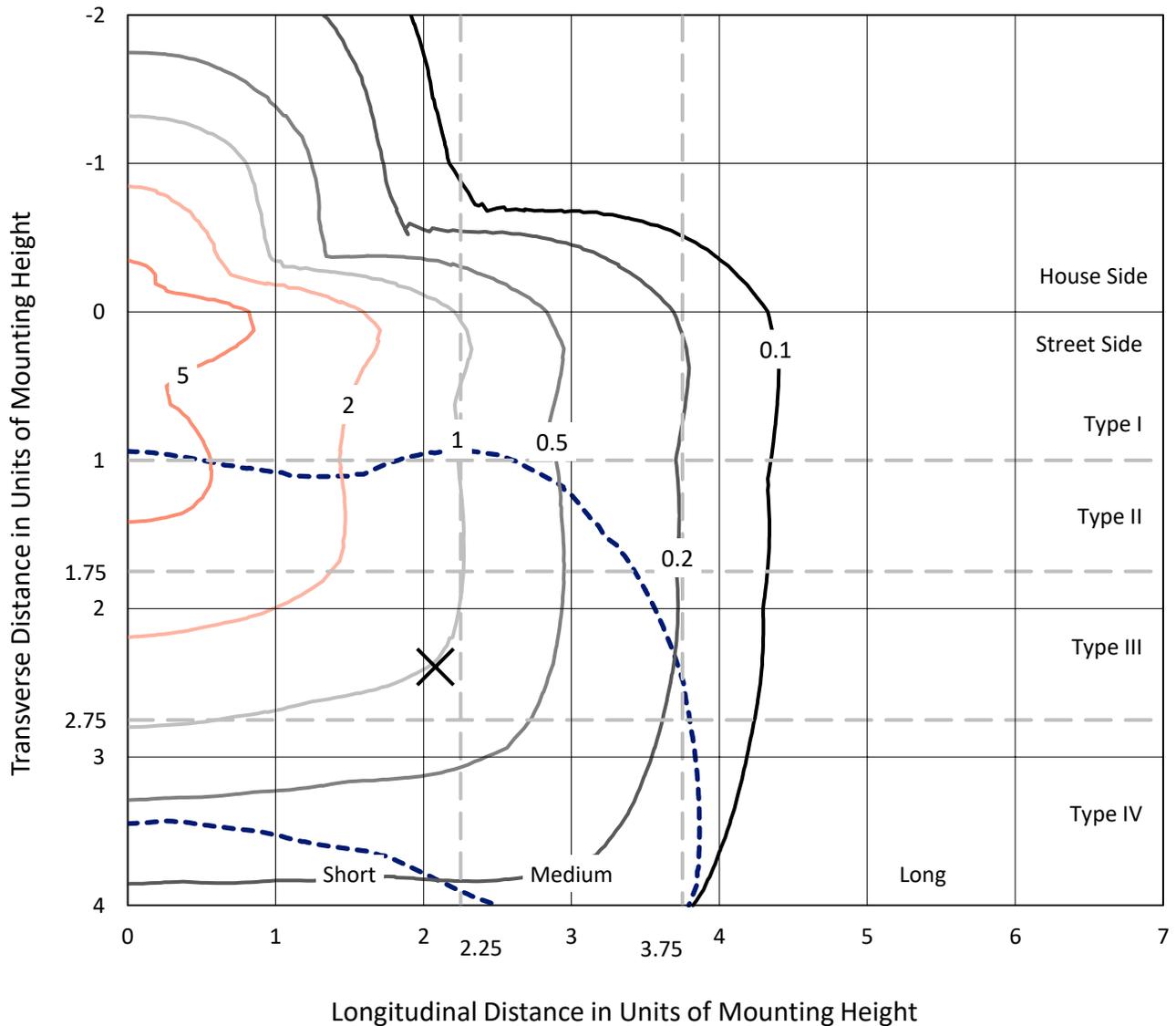


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

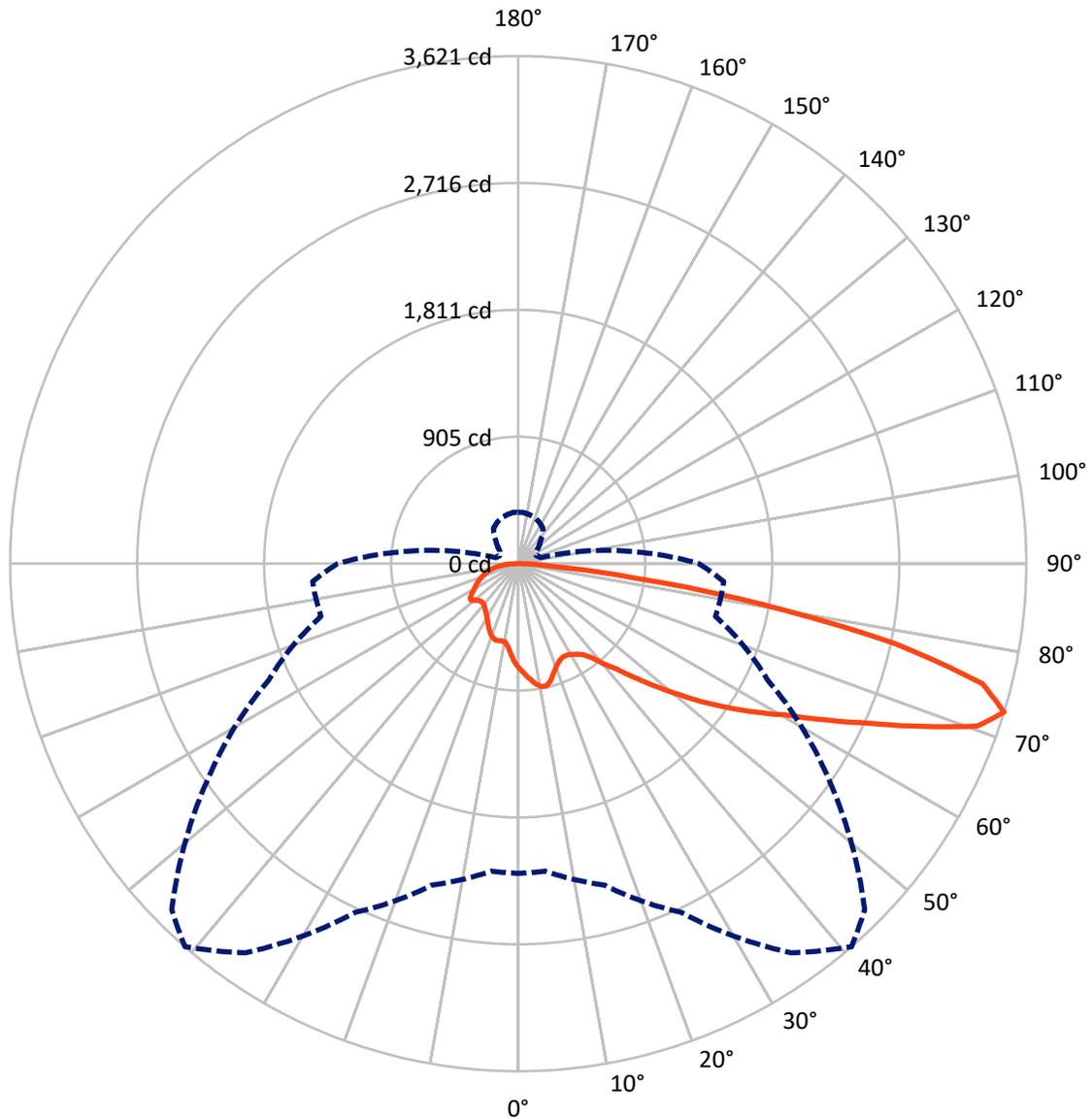


Based on 10 foot mounting height. Maximum calculated value = 8.6 fc
 Type IV - Short - N/A

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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	1172.6	0.0	1172.6
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	4246.4	0.0	4246.4
	% Fixture	78.4	0.0	78.4
Total	Lumens	5419.0	0.0	5419.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	71.1	1.3
10°-20°	214.0	3.9
20°-30°	328.9	6.1
30°-40°	452.2	8.3
40°-50°	689.0	12.7
50°-60°	1017.5	18.8
60°-70°	1336.3	24.7
70°-80°	1145.0	21.1
80°-90°	165.0	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°	5419.0	100.0
0°-180°	5419.0	100.0



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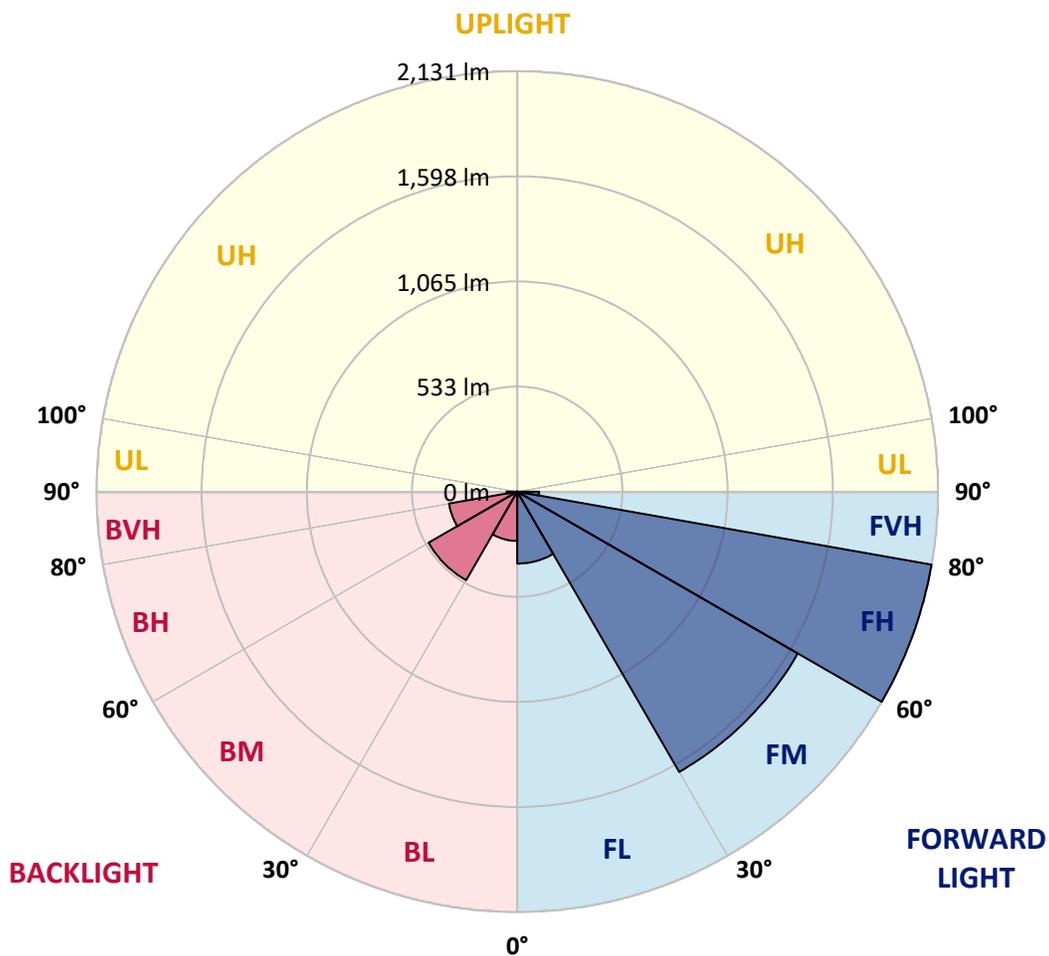
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	364.4	6.7			
FM	(30°-60°)	1640.5	30.3			
FH	(60°-80°)	2130.6	39.3			G2/5000
FVH	(80°-90°)	110.8	2.0			G2/225
BL	(0°-30°)	249.6	4.6	B1/500		
BM	(30°-60°)	518.2	9.6	B1/1000		
BH	(60°-80°)	350.6	6.5	B1/500		G1/500
BVH	(80°-90°)	54.2	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	793.1	790.7	790.7	788.9	785.9	781.8	781.2	775.8	770.4	762.7	755.0
5°	839.0	835.4	834.2	831.8	828.8	822.9	823.5	813.9	802.6	787.7	772.2
7.5°	871.7	869.4	868.8	869.4	865.2	862.2	862.2	850.9	839.6	823.5	799.6
10°	883.1	880.1	882.5	887.8	892.0	891.4	894.4	890.2	881.9	868.2	834.8
12.5°	862.8	862.8	864.0	871.1	884.9	895.6	905.1	922.4	930.1	918.2	876.5
15°	831.8	830.0	828.2	831.2	847.9	865.8	886.0	932.5	966.5	965.9	920.6
17.5°	813.4	812.2	799.6	787.7	796.7	817.5	843.1	917.6	989.7	1009.4	964.7
20°	802.6	800.2	785.3	761.5	757.9	779.4	799.1	887.2	993.3	1051.1	1006.4
22.5°	793.7	792.5	773.4	741.8	732.9	750.8	771.0	850.3	980.2	1078.5	1043.4
25°	797.9	795.5	771.6	734.1	723.4	738.3	756.1	821.1	957.0	1094.0	1073.1
27.5°	818.1	818.1	786.5	741.8	728.1	738.3	752.0	805.0	931.9	1098.2	1100.6
30°	864.6	862.8	822.9	768.7	746.6	750.8	760.3	799.6	907.5	1090.4	1118.4
32.5°	946.2	940.3	890.8	816.9	774.0	769.9	771.6	796.1	882.5	1076.7	1135.7
35°	1094.6	1078.5	1002.8	902.1	822.9	797.3	790.1	799.6	867.6	1067.2	1151.8
37.5°	1292.4	1269.8	1176.2	1033.8	907.5	852.7	828.2	816.9	865.2	1055.9	1167.3
40°	1480.7	1467.0	1356.2	1189.9	1017.1	940.3	900.3	843.1	868.2	1048.7	1188.7
42.5°	1720.8	1698.8	1570.1	1353.8	1137.5	1026.7	968.9	878.3	887.2	1053.5	1213.2
45°	1979.5	1975.3	1815.0	1555.2	1287.7	1154.8	1081.5	944.4	924.2	1072.6	1249.5
47.5°	2258.9	2239.8	2071.8	1789.4	1458.1	1298.4	1207.8	1020.7	977.2	1104.7	1297.8
50°	2496.7	2483.0	2310.2	2005.7	1644.0	1455.7	1350.2	1113.1	1043.4	1148.2	1348.4
52.5°	2623.6	2613.4	2507.4	2233.3	1834.7	1633.9	1481.9	1209.6	1126.2	1202.4	1403.8
55°	2593.2	2587.2	2586.6	2404.9	2042.6	1813.2	1632.1	1312.7	1221.5	1267.4	1469.4
57.5°	2584.8	2574.7	2580.1	2523.5	2240.4	1998.5	1798.9	1440.8	1340.7	1345.5	1537.9
60°	2593.2	2587.2	2617.6	2596.8	2426.3	2192.8	1993.2	1596.3	1465.2	1425.3	1599.3
62.5°	2670.7	2656.4	2680.2	2724.3	2628.9	2456.1	2238.7	1781.6	1603.5	1485.5	1647.0
65°	2789.2	2762.4	2770.2	2881.6	2867.9	2743.3	2530.0	2022.9	1733.4	1533.7	1669.0
67.5°	2823.2	2814.3	2834.5	2976.9	3119.3	3097.9	2899.5	2289.3	1860.3	1561.2	1644.0
70°	2683.2	2671.8	2762.4	2982.3	3366.6	3471.5	3287.4	2546.1	1968.7	1551.0	1586.8
72.5°	2208.9	2201.7	2373.9	2744.5	3389.3	3621.1	3492.3	2709.4	1959.8	1455.1	1470.6
75°	1428.9	1405.0	1681.5	2158.2	3041.3	3416.7	3325.5	2503.8	1716.7	1293.6	1266.8
77.5°	505.3	567.9	726.4	1283.5	2310.8	2749.9	2597.4	1878.2	1268.0	948.0	892.6
80°	176.4	185.3	231.8	480.9	1250.1	1761.4	1638.6	1088.6	677.5	494.0	473.7
82.5°	103.7	108.4	121.6	176.4	460.0	836.6	698.3	457.0	247.9	212.1	185.9
85°	35.2	37.5	63.2	90.6	163.3	241.9	217.5	117.4	95.9	85.8	55.4
87.5°	7.2	8.3	13.7	29.8	54.8	62.0	47.1	28.6	39.9	39.9	19.1
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°	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8	744.8
2.5°	749.6	744.2	734.7	725.8	716.2	709.1	700.1	693.0	694.2	690.0	688.8
5°	762.1	750.8	728.1	704.3	679.9	656.6	637.0	620.9	611.9	607.2	606.6
7.5°	782.4	765.1	724.6	681.1	635.2	603.6	582.8	572.6	571.4	570.2	568.5
10°	813.9	786.5	723.4	653.7	595.9	568.5	564.9	572.0	582.2	587.5	587.5
12.5°	847.3	812.2	722.8	625.7	565.5	556.5	572.6	592.9	609.6	617.3	616.1
15°	883.1	837.8	713.8	594.1	544.0	557.1	585.1	607.2	624.5	631.6	632.2
17.5°	921.2	861.0	698.9	559.5	528.5	555.9	584.5	603.6	619.1	624.5	623.3
20°	954.0	881.9	678.1	524.4	514.8	544.6	570.2	584.5	593.5	594.7	594.7
22.5°	980.8	896.8	647.7	491.6	495.8	525.0	544.6	552.4	555.9	557.7	557.1
25°	1007.0	906.9	613.1	461.2	473.1	498.7	513.0	520.2	522.6	524.4	525.5
27.5°	1024.9	911.7	572.6	427.8	446.9	468.9	482.6	489.8	495.2	498.7	498.7
30°	1037.4	908.7	530.3	402.8	424.3	442.7	458.8	468.3	476.1	480.3	480.9
32.5°	1049.3	905.1	487.4	377.8	401.6	421.3	439.7	454.0	464.8	469.5	471.3
35°	1058.3	897.4	442.1	358.7	380.8	401.6	422.5	440.3	454.0	462.4	464.2
37.5°	1067.2	889.6	400.4	338.4	362.9	385.5	409.4	426.6	442.7	454.0	457.6
40°	1079.7	884.3	363.5	320.6	349.2	374.2	395.7	415.9	434.4	444.5	448.1
42.5°	1097.0	880.7	331.9	307.5	338.4	367.1	389.7	415.9	438.6	443.3	445.7
45°	1120.2	880.7	306.3	296.7	333.1	367.1	395.1	423.7	441.5	439.7	441.5
47.5°	1145.8	880.7	286.0	287.2	330.7	371.8	403.4	438.0	457.0	462.4	466.0
50°	1181.6	880.7	269.9	278.9	326.5	379.6	431.4	466.6	477.9	479.7	480.9
52.5°	1220.9	888.4	258.0	270.5	325.3	404.6	453.5	465.4	464.8	459.4	458.8
55°	1268.0	902.1	247.3	261.0	329.5	409.4	439.1	442.7	431.4	421.3	418.9
57.5°	1315.7	919.4	236.6	249.1	312.8	380.2	415.9	412.9	412.3	407.0	406.4
60°	1368.1	939.1	224.6	229.4	279.5	352.2	384.3	407.6	414.1	408.8	407.6
62.5°	1406.8	961.7	212.1	208.0	250.9	327.1	373.0	402.2	414.7	414.7	414.1
65°	1425.3	973.0	200.2	188.3	226.4	300.9	362.3	387.3	402.8	407.0	405.8
67.5°	1403.8	957.5	191.3	171.6	203.2	274.1	345.0	368.2	388.5	395.1	394.5
70°	1366.9	945.0	184.1	154.3	182.9	245.5	327.7	352.8	373.0	384.3	383.1
72.5°	1286.5	900.9	166.2	139.4	160.3	222.9	306.9	336.1	355.1	367.6	367.1
75°	1104.1	791.9	138.8	125.7	135.9	200.8	284.2	317.0	330.7	342.6	342.0
77.5°	813.9	595.3	109.0	106.1	113.8	177.6	255.6	287.8	298.5	307.5	305.7
80°	429.0	348.6	85.8	87.0	94.1	153.1	227.0	251.5	260.4	265.2	261.6
82.5°	187.1	150.8	63.8	69.1	73.9	122.7	187.1	208.6	214.5	210.9	200.8
85°	59.6	41.1	38.1	45.3	50.1	81.6	145.4	162.1	172.2	161.5	159.1
87.5°	14.9	13.7	16.1	23.2	26.2	45.3	98.9	102.5	116.2	35.8	33.4
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)