

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: P1207857

Luminaire Tested: UPW-SA1-030-740-U-SL4

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207857
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/20/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-740-U-SL4
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 4000K, 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: 4857 lumens
Efficiency: N/A
Efficacy: 142.9 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): 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

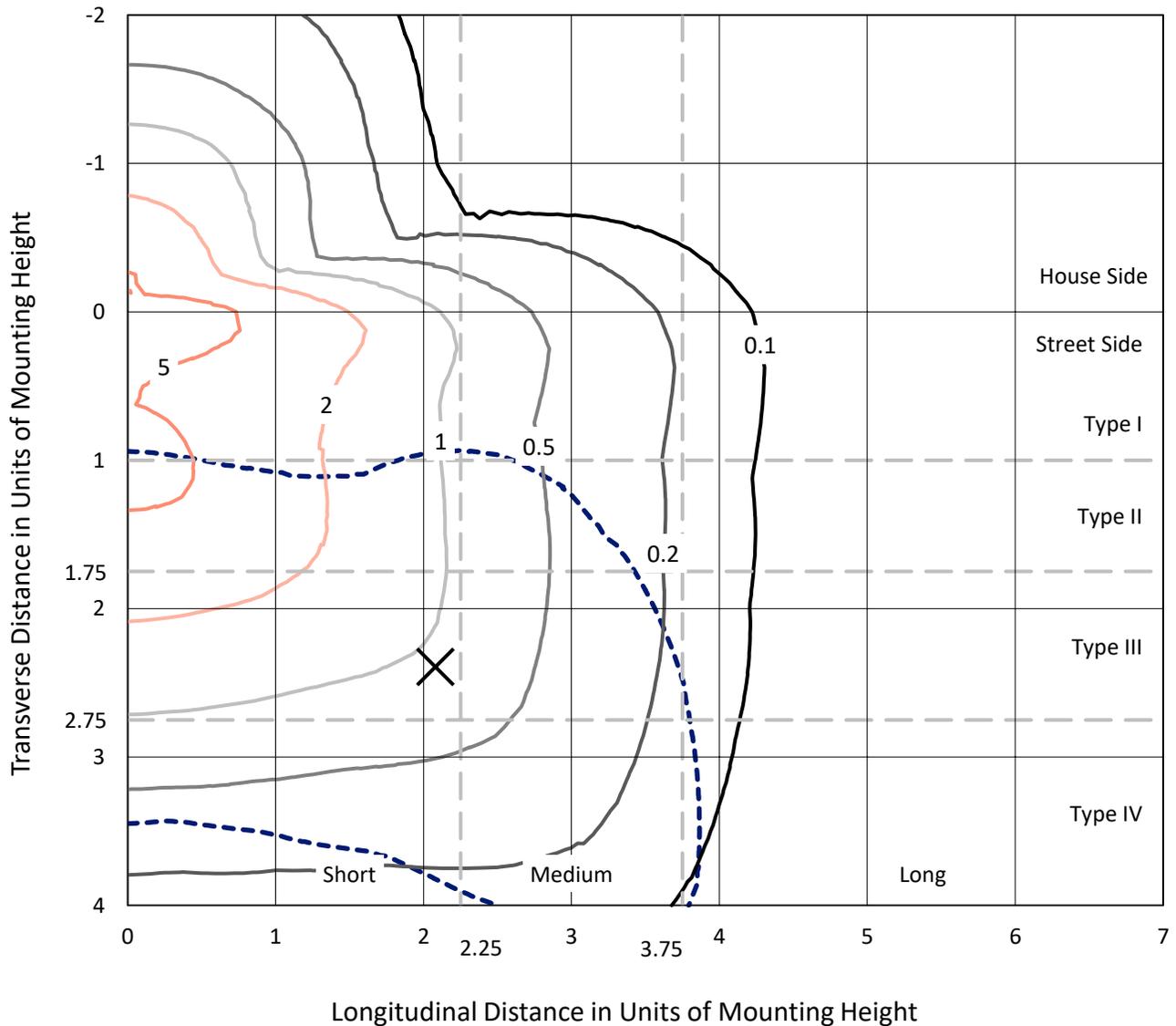


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

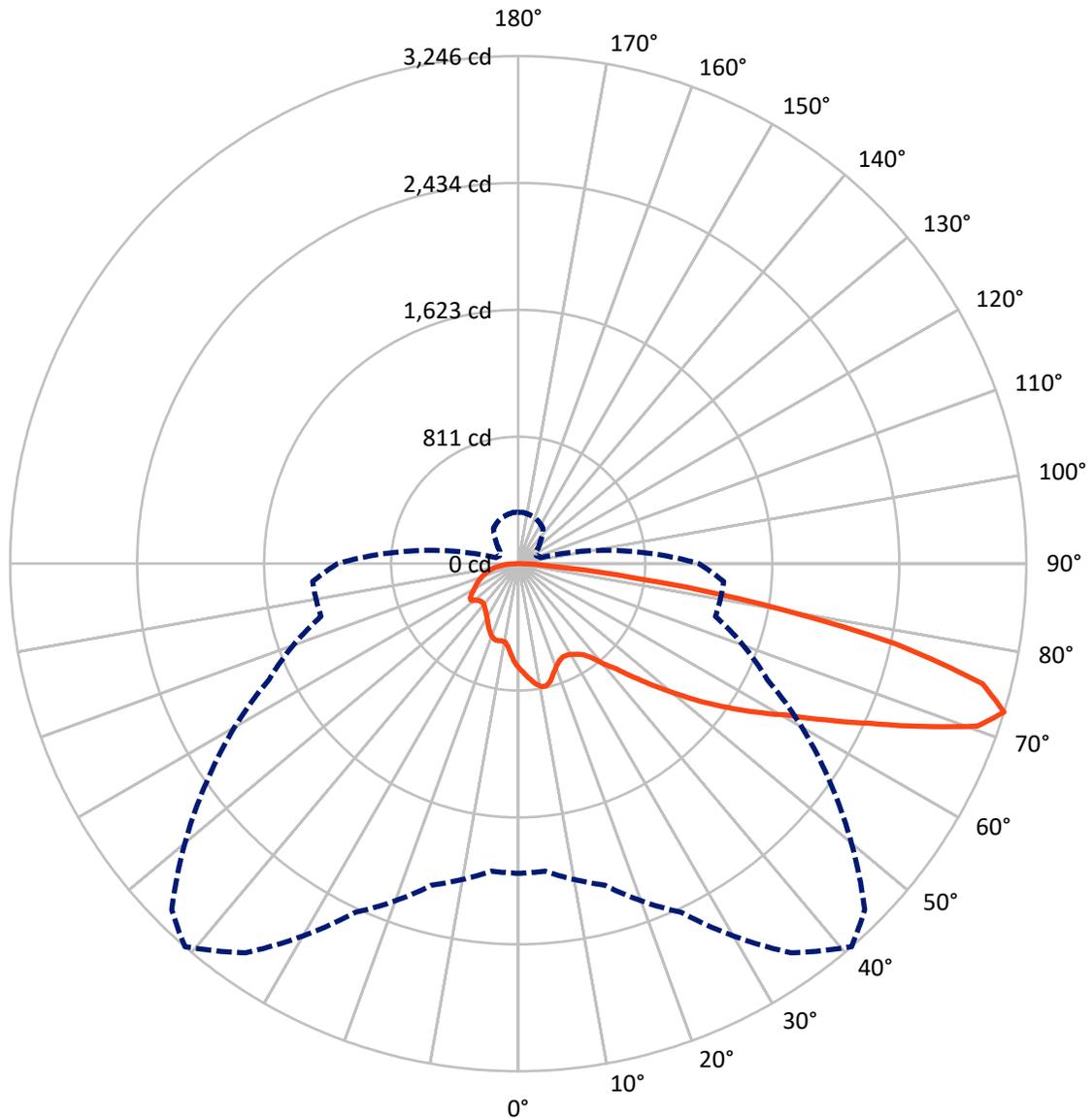


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type IV - Short - N/A

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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
House Side	Lumens	1051.0	0.0	1051.0
	% Fixture	21.6	0.0	21.6
Street Side	Lumens	3806.0	0.0	3806.0
	% Fixture	78.4	0.0	78.4
Total	Lumens	4857.0	0.0	4857.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	63.7	1.3
10°-20°	191.8	3.9
20°-30°	294.8	6.1
30°-40°	405.3	8.3
40°-50°	617.6	12.7
50°-60°	912.0	18.8
60°-70°	1197.7	24.7
70°-80°	1026.2	21.1
80°-90°	147.9	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°	4857.0	100.0
0°-180°	4857.0	100.0



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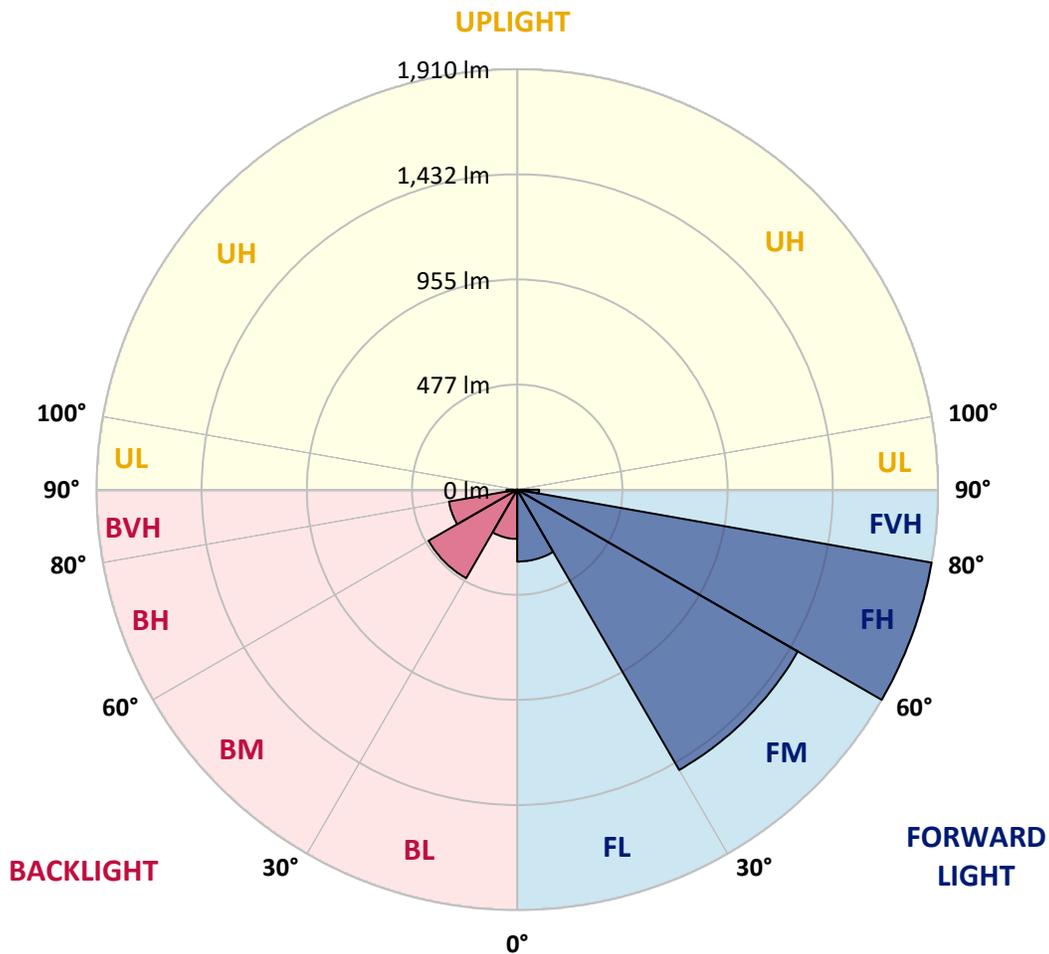
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	326.7	6.7			
FM	(30°-60°)	1470.4	30.3			
FH	(60°-80°)	1909.7	39.3			G2/5000
FVH	(80°-90°)	99.3	2.0			G1/100
BL	(0°-30°)	223.7	4.6	B1/500		
BM	(30°-60°)	464.5	9.6	B1/1000		
BH	(60°-80°)	314.3	6.5	B1/500		G1/500
BVH	(80°-90°)	48.6	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-G2

Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6
2.5°	710.8	708.7	708.7	707.1	704.4	700.7	700.2	695.4	690.5	683.6	676.7
5°	752.0	748.8	747.7	745.6	742.9	737.5	738.1	729.5	719.4	706.0	692.1
7.5°	781.3	779.2	778.7	779.2	775.5	772.8	772.8	762.6	752.5	738.1	716.7
10°	791.5	788.8	791.0	795.8	799.5	799.0	801.6	797.9	790.4	778.1	748.2
12.5°	773.3	773.3	774.4	780.8	793.1	802.7	811.2	826.7	833.7	823.0	785.6
15°	745.6	744.0	742.4	745.0	760.0	776.0	794.2	835.8	866.3	865.7	825.1
17.5°	729.0	727.9	716.7	706.0	714.0	732.7	755.7	822.5	887.1	904.7	864.7
20°	719.4	717.2	703.9	682.5	679.3	698.6	716.2	795.2	890.3	942.1	902.0
22.5°	711.4	710.3	693.2	664.9	656.9	672.9	691.1	762.1	878.5	966.7	935.1
25°	715.1	713.0	691.6	658.0	648.4	661.7	677.7	735.9	857.7	980.5	961.9
27.5°	733.3	733.3	705.0	664.9	652.6	661.7	674.0	721.5	835.3	984.3	986.4
30°	774.9	773.3	737.5	688.9	669.2	672.9	681.5	716.7	813.4	977.3	1002.4
32.5°	848.1	842.8	798.4	732.2	693.8	690.0	691.6	713.5	791.0	965.1	1017.9
35°	981.1	966.7	898.8	808.6	737.5	714.6	708.2	716.7	777.6	956.5	1032.3
37.5°	1158.4	1138.1	1054.2	926.6	813.4	764.2	742.4	732.2	775.5	946.4	1046.2
40°	1327.2	1314.9	1215.5	1066.5	911.6	842.8	807.0	755.7	778.1	940.0	1065.5
42.5°	1542.4	1522.6	1407.3	1213.4	1019.5	920.2	868.4	787.2	795.2	944.2	1087.4
45°	1774.2	1770.4	1626.8	1393.9	1154.1	1035.0	969.3	846.5	828.3	961.3	1119.9
47.5°	2024.6	2007.6	1856.9	1603.8	1306.9	1163.7	1082.6	914.9	875.9	990.2	1163.2
50°	2237.7	2225.4	2070.6	1797.7	1473.5	1304.7	1210.2	997.6	935.1	1029.1	1208.6
52.5°	2351.5	2342.4	2247.3	2001.7	1644.4	1464.4	1328.2	1084.2	1009.4	1077.7	1258.3
55°	2324.3	2318.9	2318.4	2155.5	1830.8	1625.2	1462.8	1176.5	1094.8	1136.0	1317.0
57.5°	2316.8	2307.7	2312.5	2261.8	2008.1	1791.3	1612.3	1291.4	1201.6	1205.9	1378.4
60°	2324.3	2318.9	2346.1	2327.5	2174.7	1965.4	1786.4	1430.8	1313.3	1277.5	1433.4
62.5°	2393.7	2380.9	2402.2	2441.7	2356.3	2201.4	2006.5	1596.9	1437.2	1331.4	1476.2
65°	2500.0	2475.9	2482.9	2582.7	2570.5	2458.8	2267.6	1813.2	1553.6	1374.7	1495.9
67.5°	2530.4	2522.4	2540.5	2668.2	2795.8	2776.6	2598.8	2051.9	1667.4	1399.3	1473.5
70°	2404.9	2394.7	2475.9	2673.0	3017.5	3111.5	2946.4	2282.1	1764.6	1390.2	1422.2
72.5°	1979.8	1973.4	2127.7	2459.9	3037.8	3245.5	3130.2	2428.4	1756.5	1304.2	1318.1
75°	1280.7	1259.3	1507.1	1934.4	2725.9	3062.3	2980.6	2244.1	1538.6	1159.5	1135.4
77.5°	452.9	509.0	651.0	1150.4	2071.1	2464.7	2328.0	1683.4	1136.5	849.7	800.0
80°	158.1	166.1	207.8	431.0	1120.5	1578.7	1468.7	975.7	607.2	442.7	424.6
82.5°	92.9	97.2	108.9	158.1	412.3	749.8	625.9	409.6	222.2	190.1	166.6
85°	31.5	33.6	56.6	81.2	146.3	216.8	194.9	105.2	86.0	76.9	49.7
87.5°	6.4	7.5	12.3	26.7	49.1	55.5	42.2	25.6	35.8	35.8	17.1
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°	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6	667.6
2.5°	671.9	667.0	658.5	650.5	641.9	635.5	627.5	621.1	622.2	618.4	617.4
5°	683.1	672.9	652.6	631.3	609.4	588.5	570.9	556.5	548.5	544.2	543.7
7.5°	701.2	685.7	649.4	610.4	569.3	541.0	522.3	513.2	512.2	511.1	509.5
10°	729.5	705.0	648.4	585.9	534.1	509.5	506.3	512.7	521.8	526.6	526.6
12.5°	759.4	727.9	647.8	560.8	506.8	498.8	513.2	531.4	546.3	553.3	552.2
15°	791.5	750.9	639.8	532.5	487.6	499.4	524.5	544.2	559.7	566.1	566.6
17.5°	825.7	771.7	626.5	501.5	473.7	498.3	523.9	541.0	554.9	559.7	558.6
20°	855.0	790.4	607.8	470.0	461.4	488.1	511.1	523.9	531.9	533.0	533.0
22.5°	879.1	803.8	580.5	440.6	444.3	470.5	488.1	495.1	498.3	499.9	499.4
25°	902.6	812.8	549.6	413.4	424.0	447.0	459.8	466.2	468.4	470.0	471.0
27.5°	918.6	817.1	513.2	383.5	400.5	420.3	432.6	439.0	443.8	447.0	447.0
30°	929.8	814.4	475.3	361.0	380.3	396.8	411.2	419.8	426.7	430.5	431.0
32.5°	940.5	811.2	436.9	338.6	360.0	377.6	394.1	407.0	416.6	420.8	422.4
35°	948.5	804.3	396.3	321.5	341.3	360.0	378.7	394.7	407.0	414.4	416.0
37.5°	956.5	797.4	358.9	303.3	325.2	345.5	366.9	382.4	396.8	407.0	410.2
40°	967.7	792.6	325.8	287.3	313.0	335.4	354.6	372.8	389.3	398.4	401.6
42.5°	983.2	789.3	297.5	275.6	303.3	329.0	349.3	372.8	393.1	397.3	399.5
45°	1004.0	789.3	274.5	266.0	298.5	329.0	354.1	379.7	395.7	394.1	395.7
47.5°	1027.0	789.3	256.4	257.4	296.4	333.3	361.6	392.5	409.6	414.4	417.6
50°	1059.1	789.3	241.9	249.9	292.7	340.2	386.7	418.2	428.3	429.9	431.0
52.5°	1094.3	796.3	231.3	242.5	291.6	362.6	406.4	417.1	416.6	411.8	411.2
55°	1136.5	808.6	221.6	233.9	295.3	366.9	393.6	396.8	386.7	377.6	375.4
57.5°	1179.2	824.1	212.0	223.2	280.4	340.7	372.8	370.1	369.6	364.8	364.2
60°	1226.2	841.7	201.3	205.6	250.5	315.6	344.5	365.3	371.2	366.4	365.3
62.5°	1260.9	862.0	190.1	186.4	224.8	293.2	334.3	360.5	371.7	371.7	371.2
65°	1277.5	872.1	179.4	168.8	202.9	269.7	324.7	347.1	361.0	364.8	363.7
67.5°	1258.3	858.2	171.4	153.8	182.1	245.7	309.2	330.1	348.2	354.1	353.6
70°	1225.1	847.0	165.0	138.3	164.0	220.0	293.7	316.2	334.3	344.5	343.4
72.5°	1153.0	807.5	149.0	125.0	143.7	199.7	275.0	301.2	318.3	329.5	329.0
75°	989.6	709.8	124.4	112.7	121.8	180.0	254.7	284.1	296.4	307.1	306.6
77.5°	729.5	533.5	97.7	95.1	102.0	159.2	229.1	258.0	267.6	275.6	274.0
80°	384.5	312.4	76.9	78.0	84.4	137.3	203.5	225.4	233.4	237.7	234.5
82.5°	167.7	135.1	57.1	62.0	66.2	110.0	167.7	186.9	192.3	189.1	180.0
85°	53.4	36.9	34.2	40.6	44.9	73.2	130.3	145.3	154.3	144.7	142.6
87.5°	13.4	12.3	14.4	20.8	23.5	40.6	88.7	91.9	104.1	32.0	29.9
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)