

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: P1207936

Luminaire Tested: UPW-SA1-030-827-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207936
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-030-827-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT
ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 3471 lumens
Efficiency: N/A
Efficacy: 102.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G1

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

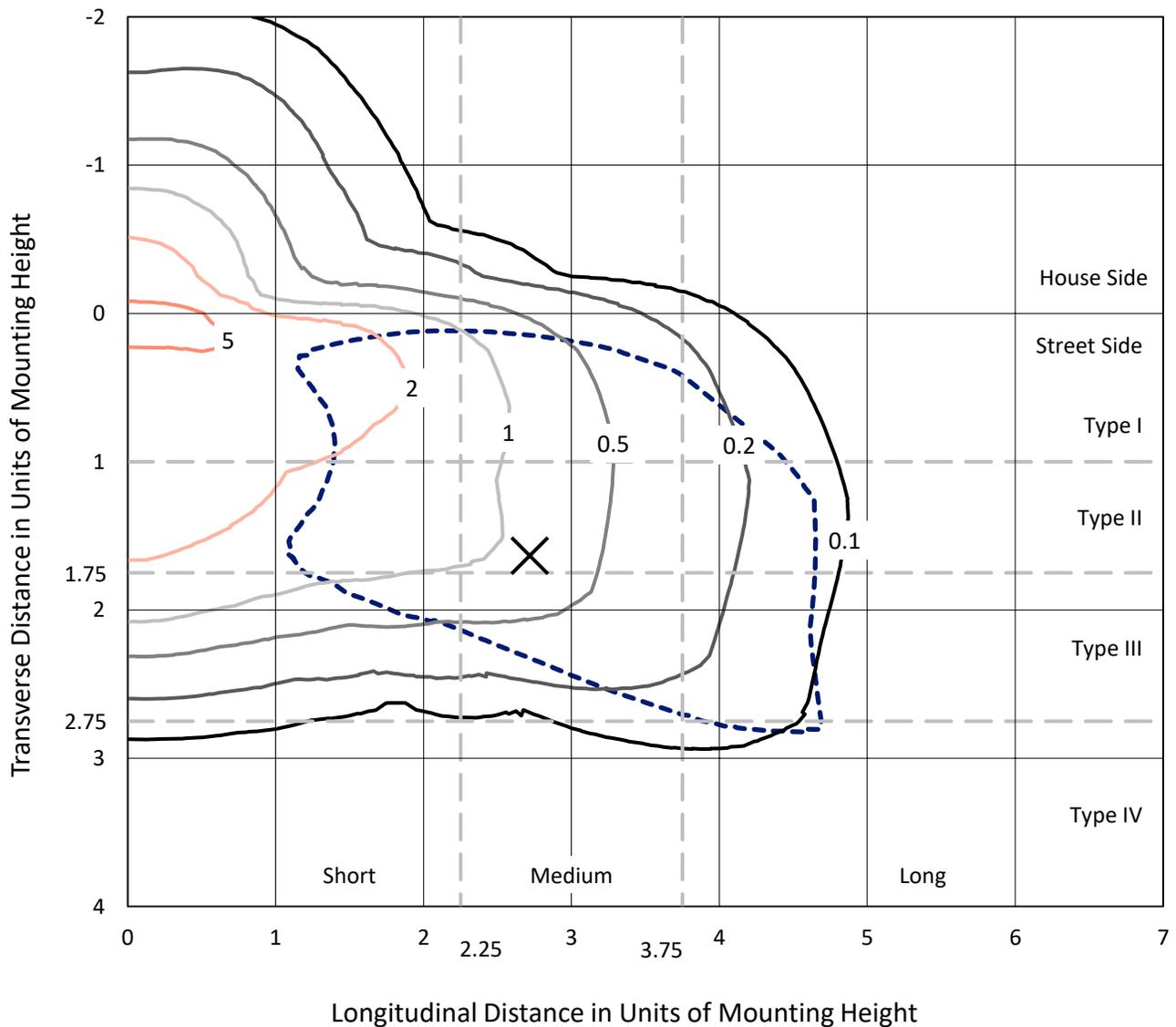


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

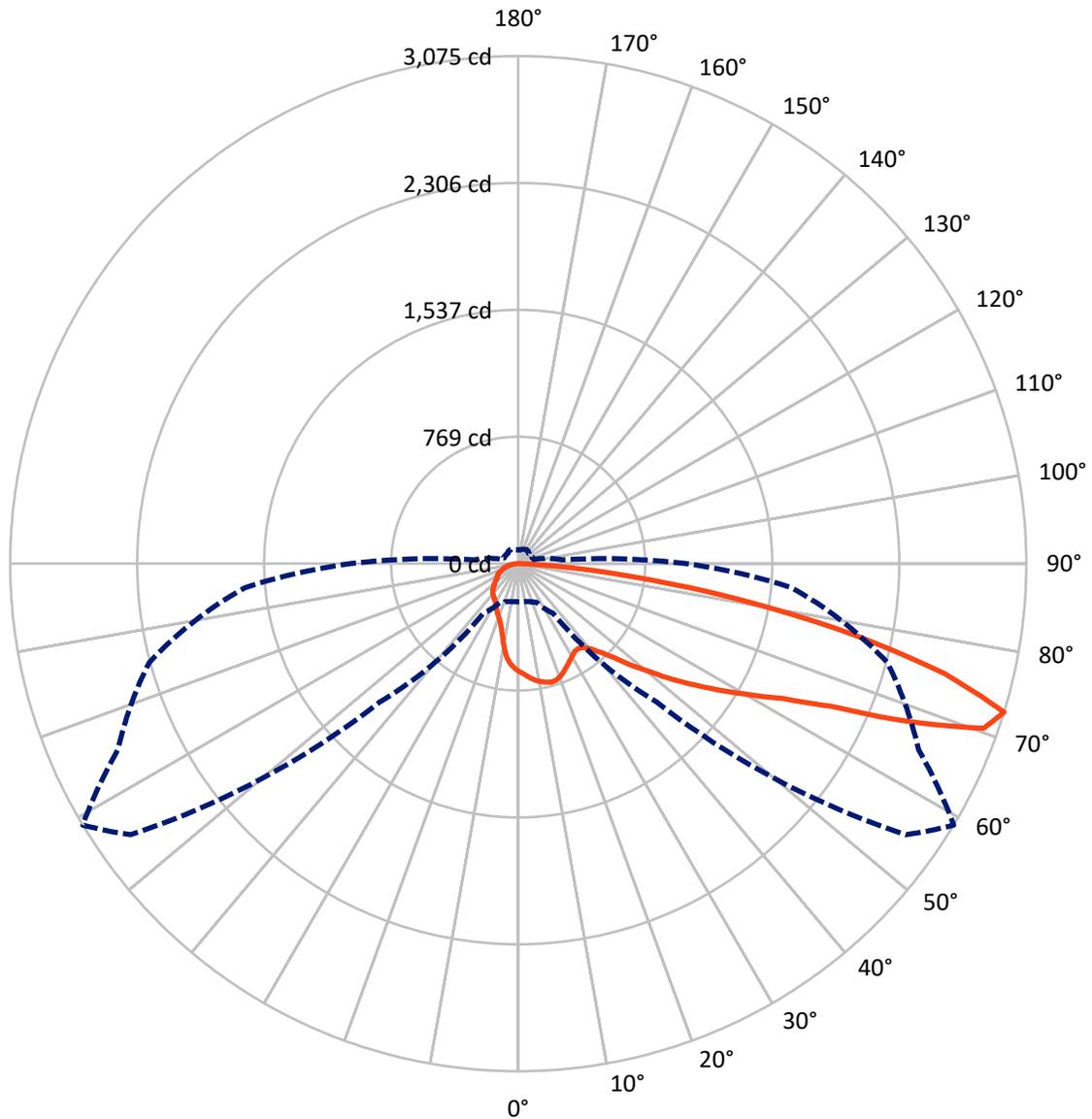


Based on 10 foot mounting height. Maximum calculated value = 6.8 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 59-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	590.6	0.0	590.6
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	2880.4	0.0	2880.4
	% Fixture	83.0	0.0	83.0
Total	Lumens	3471.0	0.0	3471.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	58.7	1.7
10°-20°	149.9	4.3
20°-30°	220.5	6.4
30°-40°	303.0	8.7
40°-50°	452.5	13.0
50°-60°	689.7	19.9
60°-70°	883.9	25.5
70°-80°	611.1	17.6
80°-90°	101.7	2.9
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°	3471.0	100.0
0°-180°	3471.0	100.0



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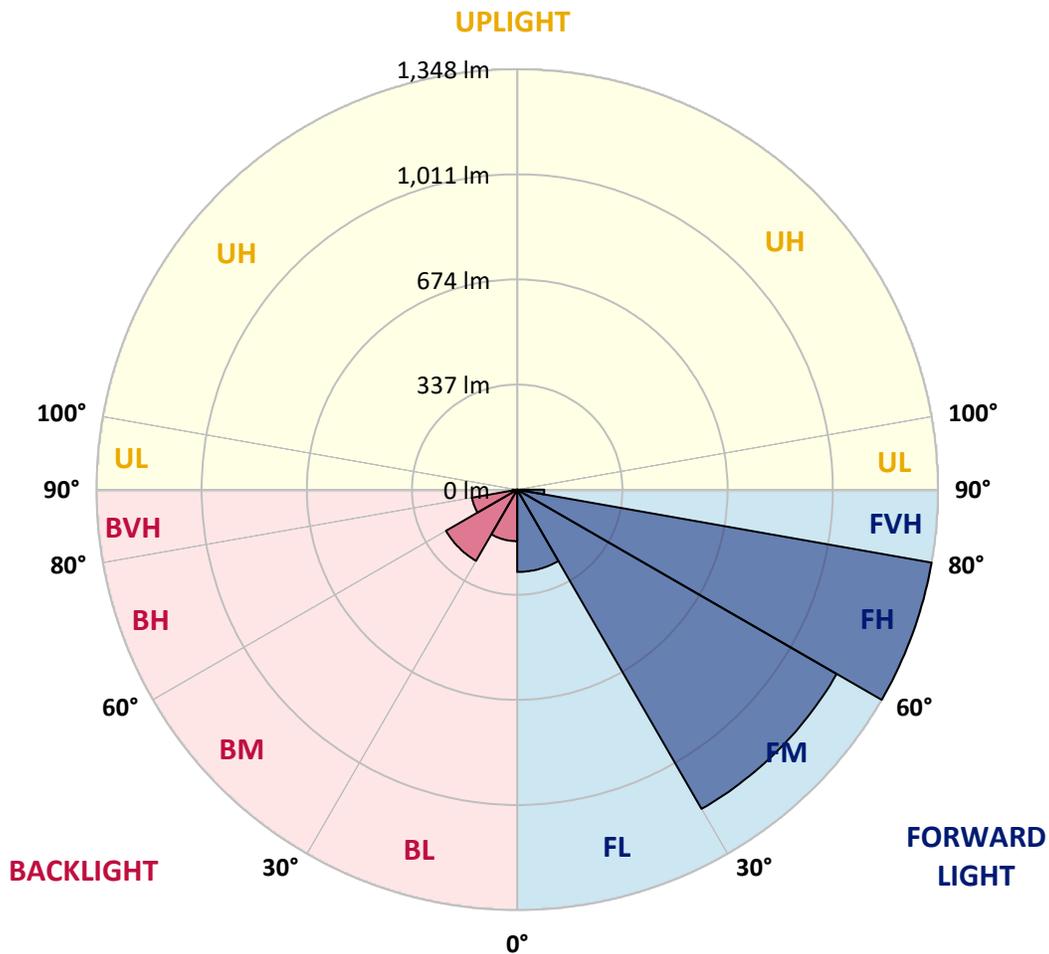
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	263.9	7.6			
FM	(30°-60°)	1181.7	34.0			
FH	(60°-80°)	1348.0	38.8			G1/1800
FVH	(80°-90°)	86.7	2.5			G1/100
BL	(0°-30°)	165.3	4.8	B1/500		
BM	(30°-60°)	263.4	7.6	B1/1000		
BH	(60°-80°)	147.0	4.2	B1/500		G1/500
BVH	(80°-90°)	14.9	0.4			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	681.4	679.5	680.5	681.9	678.1	678.5	673.7	669.9	667.0	665.1	660.7
5°	698.3	693.4	695.4	699.7	695.4	699.2	693.9	691.0	686.2	683.3	673.7
7.5°	684.3	680.9	685.7	696.8	702.1	712.2	713.2	711.3	709.3	703.1	691.0
10°	619.8	617.9	630.4	659.8	684.3	708.8	725.2	725.2	726.2	721.8	707.4
12.5°	538.0	536.6	552.9	589.0	637.1	693.4	732.4	736.8	744.5	743.0	724.7
15°	483.6	482.7	495.7	524.5	574.1	654.0	731.5	745.9	761.8	765.2	742.5
17.5°	455.7	455.7	464.9	487.0	521.2	599.1	710.3	742.1	774.3	790.2	762.7
20°	448.0	447.1	452.4	465.8	489.4	550.0	678.5	728.6	783.9	810.4	775.7
22.5°	451.9	450.9	452.8	459.6	473.0	517.3	644.4	708.4	789.2	828.2	787.3
25°	470.6	469.7	467.3	466.8	469.7	501.9	609.7	685.7	794.5	853.7	801.2
27.5°	507.2	504.3	496.1	488.4	480.7	498.6	587.6	665.5	801.2	874.9	809.9
30°	554.4	553.4	543.3	528.9	503.4	506.3	573.6	646.8	801.2	891.2	809.4
32.5°	589.0	589.5	587.6	578.9	542.8	523.6	568.3	631.4	799.8	913.9	811.4
35°	625.6	625.6	620.8	620.8	597.2	557.3	576.0	629.9	808.0	951.4	825.3
37.5°	687.7	686.7	676.6	666.5	649.2	611.6	598.6	643.9	830.6	1011.5	844.1
40°	769.5	771.4	750.7	722.8	702.6	674.7	641.0	679.5	865.7	1083.2	868.1
42.5°	868.1	873.4	841.2	802.7	767.6	731.0	700.2	736.3	927.8	1185.3	909.5
45°	989.4	984.1	943.7	892.2	846.0	783.9	765.2	809.9	1008.7	1323.4	973.0
47.5°	1094.8	1097.7	1048.1	991.8	934.5	848.4	847.4	917.7	1115.5	1464.9	1046.2
50°	1197.3	1206.0	1151.1	1091.9	1030.8	920.6	951.4	1024.5	1230.0	1609.2	1136.7
52.5°	1277.7	1283.4	1232.4	1181.4	1120.8	1015.9	1074.1	1161.7	1346.0	1747.3	1240.6
55°	1341.2	1349.4	1292.1	1249.7	1203.6	1119.8	1214.6	1296.9	1466.3	1875.8	1347.0
57.5°	1427.3	1432.1	1359.9	1322.9	1279.6	1238.2	1369.1	1449.0	1595.3	1985.1	1457.2
60°	1493.3	1496.1	1421.5	1410.0	1409.0	1401.3	1540.9	1612.1	1716.5	2087.1	1569.8
62.5°	1436.0	1436.0	1384.5	1416.7	1533.7	1669.4	1779.1	1800.3	1841.7	2186.2	1678.0
65°	1137.6	1149.2	1154.9	1263.2	1524.5	1943.7	2174.2	2080.8	1998.1	2277.2	1766.6
67.5°	597.2	620.3	673.7	860.4	1257.0	2043.8	2680.4	2556.8	2219.9	2338.3	1801.2
70°	304.1	310.9	338.8	443.2	791.1	1780.5	2981.2	2988.4	2484.6	2364.8	1776.2
72.5°	231.0	231.0	237.2	257.9	365.7	1187.7	2863.3	3074.6	2674.2	2311.3	1658.3
75°	192.5	194.9	207.4	210.3	184.8	616.5	2322.4	2667.4	2472.5	2115.5	1448.5
77.5°	154.5	155.9	175.6	187.2	124.6	263.7	1693.4	2081.8	1906.6	1709.8	1020.2
80°	116.5	118.9	136.7	160.2	92.4	126.6	1141.0	1424.0	1193.0	1048.1	471.1
82.5°	78.0	78.9	93.4	126.6	68.3	70.3	672.3	797.9	579.9	392.7	123.7
85°	47.6	48.6	58.2	81.8	45.2	37.5	298.4	308.5	183.3	93.4	44.3
87.5°	21.7	24.1	30.3	39.5	22.6	15.4	50.0	49.1	36.1	33.7	18.8
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°	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5	653.5
2.5°	654.5	649.2	643.9	636.7	630.4	619.8	612.6	605.4	601.5	600.6	599.1
5°	666.0	656.9	641.5	621.3	599.1	574.1	550.5	529.8	515.9	511.5	513.5
7.5°	679.5	666.5	636.2	597.2	552.4	503.4	462.0	435.0	418.2	408.6	410.5
10°	691.5	672.8	624.6	559.2	482.7	421.1	388.4	369.6	360.9	360.0	359.5
12.5°	703.6	679.0	606.8	504.8	420.1	371.5	355.1	349.9	348.9	349.9	349.4
15°	717.5	682.4	576.5	448.5	375.8	350.8	345.5	344.1	344.6	347.0	346.5
17.5°	729.1	680.9	529.4	397.5	352.3	340.7	335.9	333.5	335.9	340.2	340.2
20°	732.9	667.0	475.0	361.9	339.3	329.6	322.9	319.1	321.9	327.2	328.2
22.5°	730.0	640.5	419.1	336.9	325.8	316.6	309.4	305.6	307.0	310.9	311.4
25°	725.7	605.9	370.1	317.6	308.5	301.2	299.3	294.5	292.1	294.5	295.0
27.5°	712.7	560.1	329.6	297.9	289.2	290.2	289.2	284.9	281.5	281.0	282.0
30°	683.8	496.6	299.3	277.7	274.8	280.1	280.1	273.8	267.6	266.6	268.0
32.5°	649.2	431.7	274.3	260.8	266.6	269.5	269.5	264.2	257.9	254.1	256.0
35°	615.0	370.1	255.1	249.3	260.3	262.8	260.3	258.4	248.3	238.7	241.1
37.5°	575.5	317.1	238.2	240.6	253.1	254.1	254.1	247.4	233.9	225.7	227.6
40°	532.7	277.2	224.3	232.9	245.4	245.4	241.6	237.2	230.5	222.3	223.3
42.5°	505.3	250.2	213.7	224.7	233.4	236.3	227.6	231.0	225.2	216.6	217.5
45°	501.4	233.4	205.0	212.2	219.9	219.0	219.4	221.8	216.6	205.0	204.5
47.5°	525.0	228.1	196.8	198.3	205.0	208.4	211.3	212.2	204.5	192.0	190.1
50°	577.5	237.2	188.6	185.8	191.5	199.2	202.1	203.6	194.4	181.4	179.5
52.5°	658.3	265.6	181.4	175.2	174.7	188.2	196.3	200.2	185.8	171.8	170.8
55°	747.8	304.1	171.8	166.0	160.7	179.5	191.5	195.9	177.6	159.3	157.8
57.5°	843.1	349.9	160.7	156.9	150.6	171.3	182.9	186.2	165.1	144.4	143.4
60°	942.7	390.8	150.1	146.8	143.4	160.2	172.3	173.2	153.5	132.8	131.9
62.5°	1032.7	418.7	140.0	136.2	136.2	147.3	159.8	158.8	141.5	122.2	121.3
65°	1099.1	415.3	130.9	126.1	128.0	133.3	144.4	141.0	128.5	112.1	111.2
67.5°	1126.1	379.7	122.2	116.9	117.4	118.9	128.0	125.6	115.5	102.0	101.5
70°	1098.2	315.7	111.2	104.4	103.5	103.9	113.1	108.8	101.5	92.9	92.4
72.5°	1014.9	264.7	98.7	92.9	91.0	89.5	97.2	95.3	90.0	82.8	83.3
75°	889.8	228.6	85.2	81.3	78.0	76.5	82.8	81.8	78.0	73.1	73.1
77.5°	621.7	167.0	70.3	68.8	66.9	64.0	68.8	69.3	66.9	65.4	65.0
80°	269.5	93.4	55.3	56.3	53.9	52.0	55.8	56.3	58.2	56.3	56.8
82.5°	78.0	46.2	39.9	42.8	41.9	39.9	41.9	46.2	43.3	38.0	39.0
85°	28.9	22.1	25.0	26.9	25.5	20.2	26.5	30.3	27.4	25.5	26.0
87.5°	11.1	8.2	10.6	9.1	7.2	5.3	9.1	10.1	13.5	5.3	4.3
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)