

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: P1207772

Luminaire Tested: UPW-SA1-030-727-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207772  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-727-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE II SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3993 lumens  
Efficiency: N/A  
Efficacy: 117.4 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type II - 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

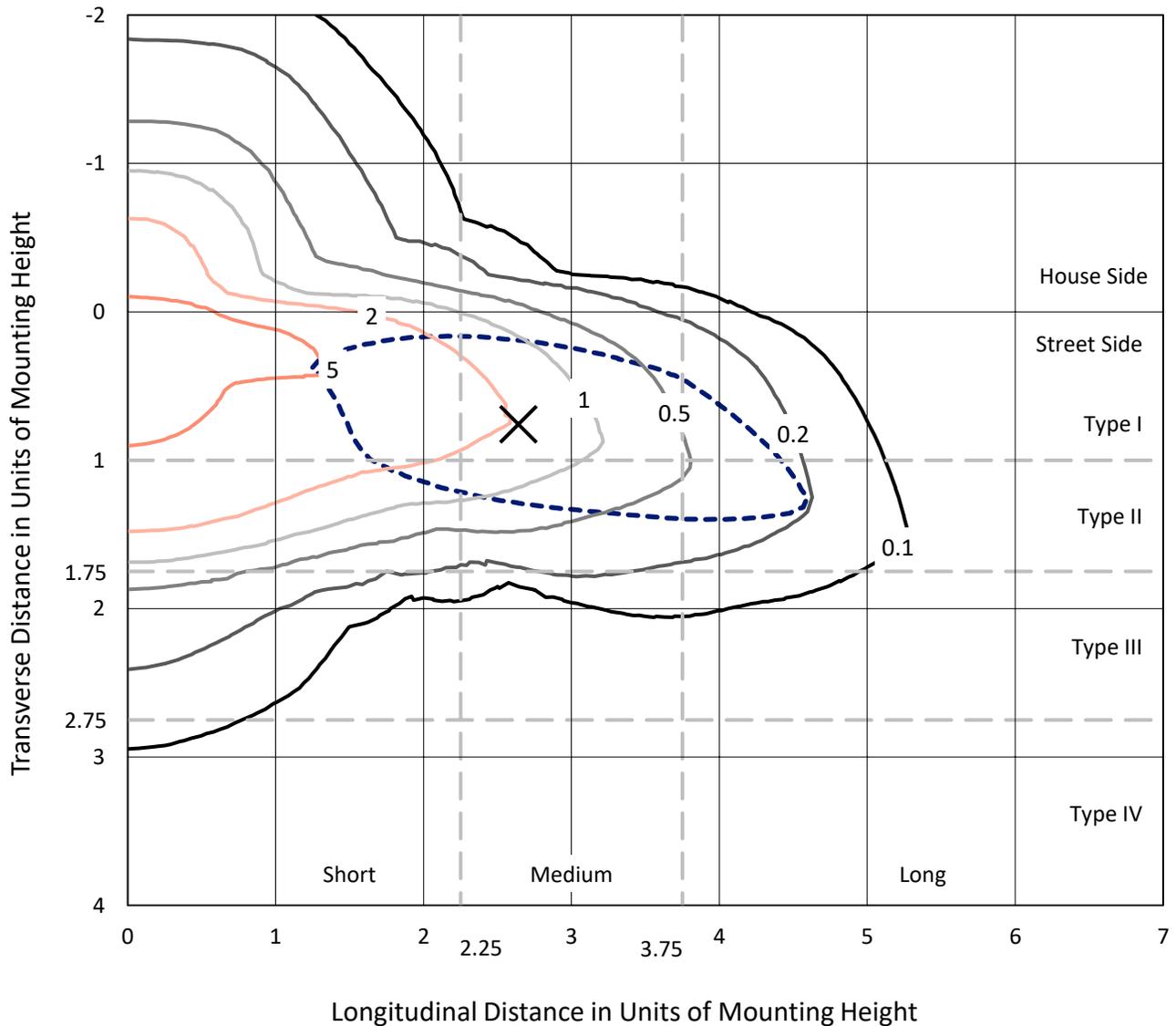


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

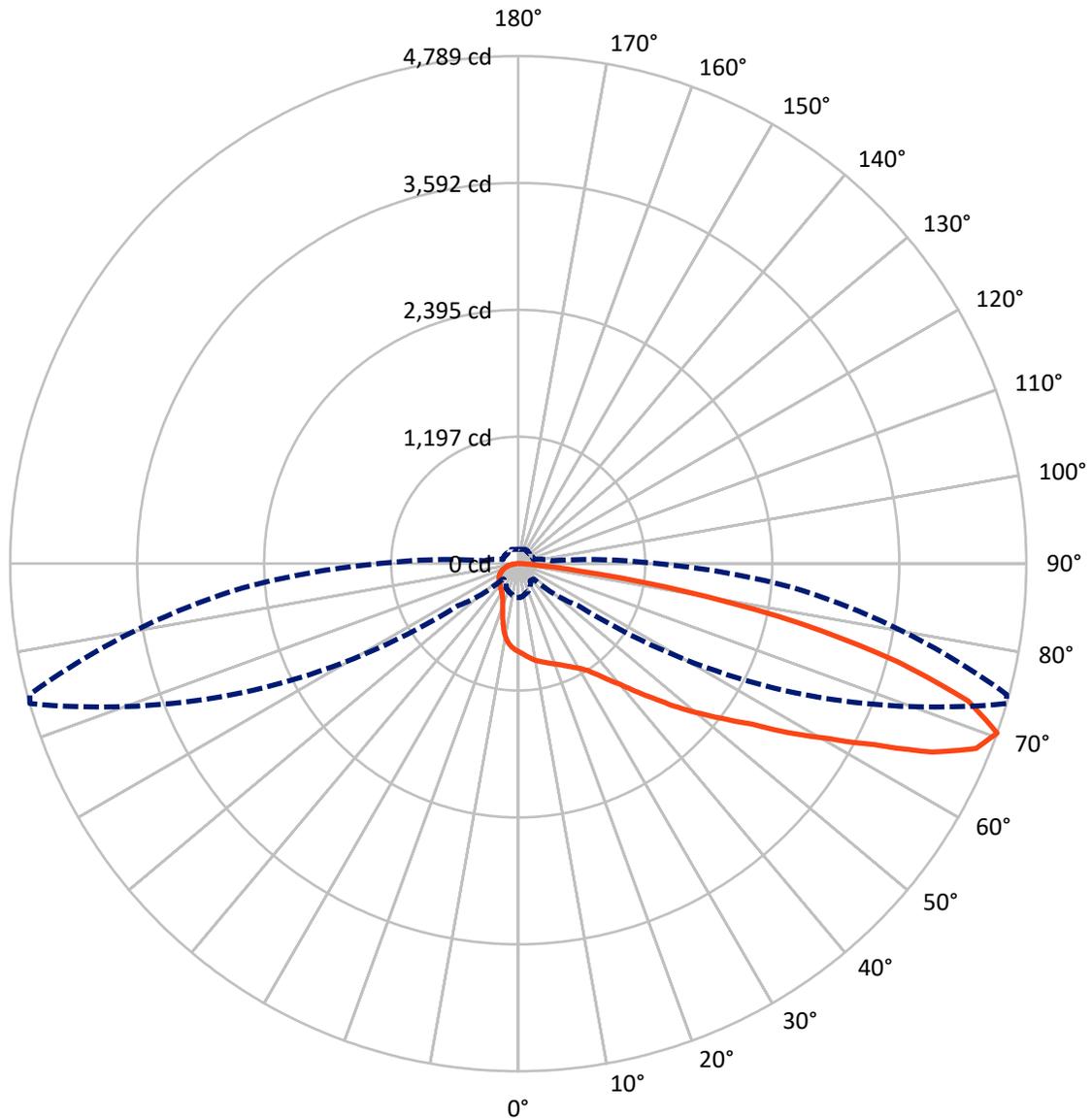


Based on 10 foot mounting height. Maximum calculated value = 9.2 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 70-Deg Vertical

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**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	730.9	0.0	730.9
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	3262.1	0.0	3262.1
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	3993.0	0.0	3993.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	73.0	1.8
10°-20°	192.1	4.8
20°-30°	304.2	7.6
30°-40°	453.3	11.4
40°-50°	625.0	15.7
50°-60°	838.3	21.0
60°-70°	870.0	21.8
70°-80°	550.5	13.8
80°-90°	86.6	2.2
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°	3993.0	100.0
0°-180°	3993.0	100.0



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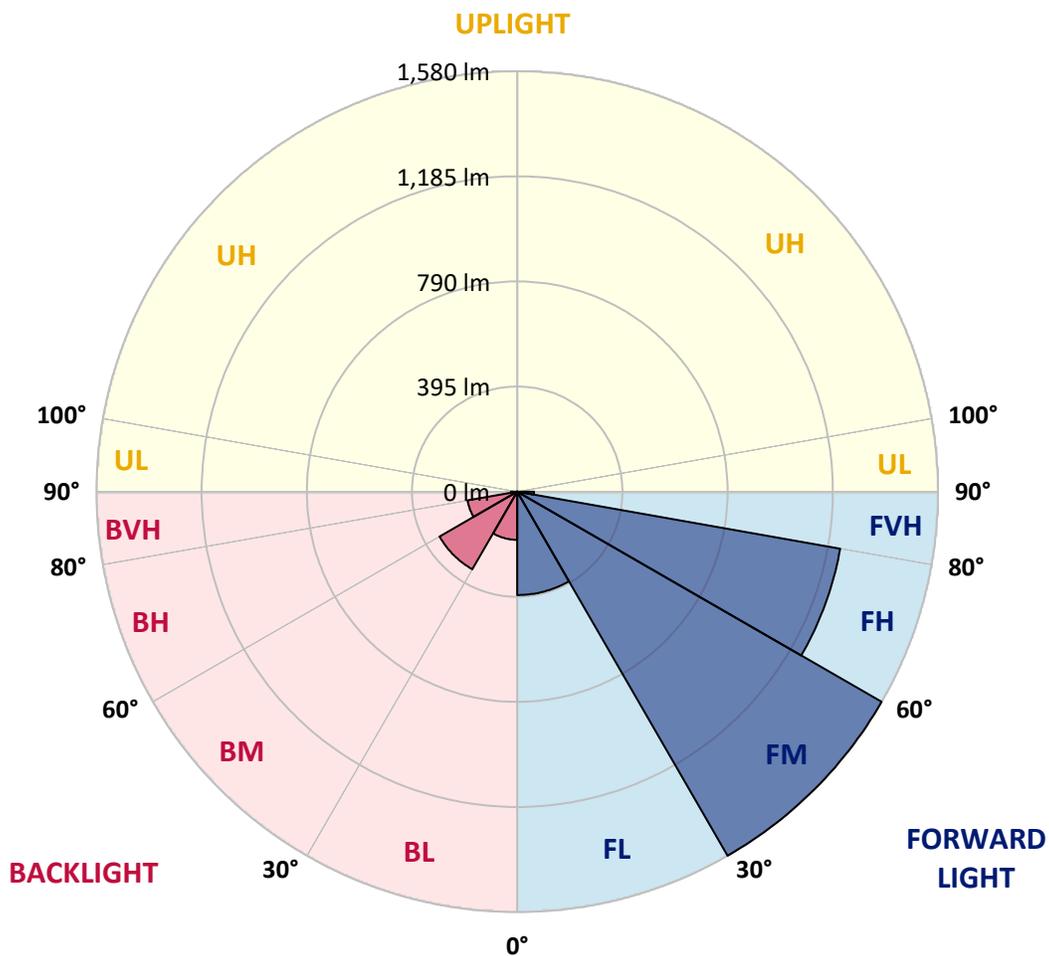
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	388.4	9.7			
FM	(30°-60°)	1579.6	39.6			
FH	(60°-80°)	1231.2	30.8			G1/1800
FVH	(80°-90°)	63.0	1.6			G1/100
BL	(0°-30°)	180.9	4.5	B1/500		
BM	(30°-60°)	337.0	8.4	B1/1000		
BH	(60°-80°)	189.3	4.7	B1/500		G1/500
BVH	(80°-90°)	23.7	0.6			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 II Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	889.1	887.8	884.7	884.7	883.3	880.2	871.3	861.9	852.9	852.0	840.4
5°	925.8	923.5	923.1	923.1	921.3	918.2	906.1	893.1	880.2	877.5	856.5
7.5°	943.2	941.4	941.8	944.1	947.7	945.0	934.3	923.1	905.7	903.4	872.1
10°	933.8	935.1	940.5	953.0	962.0	966.9	957.9	947.7	929.8	927.1	884.7
12.5°	874.4	878.4	895.4	927.5	961.5	980.3	979.8	969.1	947.7	945.4	894.5
15°	784.6	779.7	810.9	862.3	924.0	977.1	994.6	989.7	968.2	965.1	906.1
17.5°	740.3	740.8	754.6	786.4	854.3	951.7	1002.6	1010.2	990.1	986.1	919.1
20°	758.2	757.8	759.1	769.8	802.4	899.8	1003.1	1032.5	1011.5	1008.9	930.7
22.5°	809.1	807.4	803.3	794.4	795.3	853.8	996.8	1057.1	1038.8	1033.4	938.7
25°	880.2	875.7	862.8	842.7	821.2	840.0	980.7	1085.7	1070.1	1064.3	947.2
27.5°	961.1	960.2	946.3	907.9	867.2	857.4	962.4	1117.0	1107.2	1099.1	956.6
30°	1044.6	1039.7	1026.7	985.6	934.3	895.4	957.0	1151.4	1146.5	1136.2	964.2
32.5°	1090.2	1087.9	1079.5	1054.4	1009.8	950.3	972.7	1186.7	1202.8	1195.2	980.7
35°	1126.4	1122.4	1113.4	1103.1	1080.4	1022.7	1008.9	1229.1	1286.8	1273.4	1016.0
37.5°	1160.8	1156.3	1150.1	1140.2	1125.5	1092.0	1061.6	1287.2	1393.1	1383.7	1069.6
40°	1199.2	1194.3	1186.2	1179.5	1159.0	1148.7	1111.2	1342.6	1507.0	1502.6	1134.0
42.5°	1228.2	1222.9	1218.9	1214.4	1192.1	1172.8	1150.1	1395.3	1660.7	1649.6	1219.3
45°	1249.7	1246.6	1246.6	1241.2	1226.5	1173.7	1177.3	1465.9	1826.1	1822.5	1337.3
47.5°	1272.9	1268.9	1271.1	1266.2	1261.8	1174.6	1210.8	1560.2	2024.9	2021.8	1469.1
50°	1300.6	1296.6	1305.5	1298.4	1300.2	1201.4	1258.6	1678.2	2221.5	2213.9	1609.4
52.5°	1304.2	1303.3	1325.6	1341.7	1354.7	1262.6	1339.5	1818.9	2436.4	2436.4	1772.9
55°	1231.8	1230.0	1273.4	1341.7	1414.6	1380.2	1489.6	2039.2	2674.1	2680.3	1918.5
57.5°	1000.4	1008.9	1082.1	1216.6	1411.4	1547.7	1711.7	2307.3	3009.2	2988.6	2061.5
60°	636.2	648.7	707.3	892.3	1200.5	1575.8	1950.7	2647.7	3349.2	3309.9	2250.5
62.5°	420.4	409.7	410.6	497.7	772.5	1324.3	1997.6	3051.2	3759.3	3730.7	2418.5
65°	374.0	366.4	328.4	305.6	375.3	827.0	1698.7	3342.0	4286.6	4206.6	2547.2
67.5°	354.8	347.2	311.9	276.6	236.4	422.7	1207.2	3288.4	4654.7	4604.2	2642.4
70°	321.2	316.8	288.2	260.9	197.5	204.2	696.6	2886.7	4789.2	4765.1	2599.0
72.5°	279.2	273.9	254.7	235.9	173.4	150.6	334.2	2288.5	4435.8	4434.0	2415.4
75°	228.8	224.3	208.7	202.4	146.5	123.3	189.9	1607.1	3695.4	3675.8	2146.9
77.5°	187.2	181.0	170.2	165.3	121.5	99.2	133.6	1121.9	2727.2	2675.9	1502.6
80°	135.8	131.8	121.5	133.1	96.1	76.8	99.2	697.9	1602.7	1498.1	563.0
82.5°	82.7	74.6	84.0	101.9	71.0	55.0	72.8	389.2	574.6	504.9	168.0
85°	38.4	39.3	49.1	65.2	42.4	32.2	45.6	170.2	166.7	159.5	70.6
87.5°	6.3	6.7	18.8	28.6	17.9	10.7	18.3	37.5	63.0	64.8	30.4
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°	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5	831.5
2.5°	833.3	826.1	813.2	798.9	782.8	768.0	761.8	741.2	736.3	735.0	724.7
5°	841.8	826.1	792.2	752.0	705.0	662.6	615.7	578.2	557.2	555.4	558.0
7.5°	850.3	825.7	763.6	682.3	599.2	516.9	466.9	437.4	416.9	411.9	413.3
10°	854.7	819.4	719.8	594.7	479.9	420.0	391.4	381.1	378.0	375.3	375.3
12.5°	855.6	805.6	661.7	500.4	409.7	380.7	372.6	369.9	369.5	369.1	368.2
15°	856.5	788.1	587.5	427.6	378.0	368.6	365.5	365.0	365.9	365.5	365.5
17.5°	855.6	764.5	515.6	385.6	366.4	362.8	361.0	360.6	361.9	361.5	361.0
20°	852.5	734.1	445.5	364.1	358.3	357.4	355.2	353.4	355.2	355.6	355.2
22.5°	840.4	689.4	395.0	350.7	350.7	350.7	348.1	345.8	348.9	349.8	350.3
25°	821.7	635.8	357.4	339.6	341.8	340.9	340.9	340.5	343.6	344.5	344.9
27.5°	802.0	579.9	331.1	327.5	331.1	333.3	337.3	337.8	337.8	336.9	336.4
30°	777.0	519.2	314.1	316.8	321.7	329.7	336.9	336.0	332.9	329.7	330.2
32.5°	756.9	470.0	297.6	307.4	316.3	327.9	334.2	335.5	335.1	329.7	329.7
35°	749.3	430.7	286.4	299.4	312.8	323.5	326.2	332.0	331.1	324.4	323.9
37.5°	754.2	399.0	276.6	290.9	307.4	312.8	318.6	319.9	308.7	301.6	299.8
40°	764.9	375.8	267.6	280.1	298.5	302.9	311.0	298.9	289.5	283.7	284.6
42.5°	794.8	365.9	259.6	268.1	285.1	295.3	292.2	288.6	275.7	266.3	265.4
45°	842.2	365.5	252.4	255.6	269.9	280.6	280.1	276.1	262.3	252.4	251.1
47.5°	907.0	374.4	244.8	244.0	255.6	262.3	268.5	262.3	248.0	236.8	235.5
50°	984.3	397.6	237.7	231.9	239.9	250.2	253.3	248.9	235.5	224.7	223.4
52.5°	1077.2	429.8	231.4	221.2	223.4	237.7	244.8	240.8	225.6	214.0	212.2
55°	1167.5	460.2	223.0	210.0	206.4	226.1	237.2	236.8	214.5	202.4	201.5
57.5°	1260.0	488.8	213.6	200.6	194.8	213.6	229.2	231.0	202.8	189.9	189.9
60°	1353.8	508.9	202.0	190.8	187.7	199.7	217.1	217.6	192.6	182.7	183.6
62.5°	1430.6	496.8	190.3	181.4	179.2	186.3	203.7	207.8	191.7	181.0	181.8
65°	1463.3	456.6	177.4	172.5	168.9	171.6	187.7	192.6	175.6	163.5	164.9
67.5°	1442.3	398.1	164.4	162.2	157.3	156.4	166.7	169.8	157.3	149.7	148.8
70°	1317.6	317.7	148.8	148.8	144.3	140.3	145.7	148.3	138.5	134.0	134.9
72.5°	1140.2	258.2	133.6	135.4	129.1	123.8	126.9	128.2	122.4	120.2	119.3
75°	986.5	215.8	118.4	121.1	114.4	105.9	109.5	109.5	104.6	104.1	103.7
77.5°	719.3	162.2	101.9	105.0	99.6	88.9	89.8	90.3	88.5	88.5	88.9
80°	307.8	99.2	83.1	88.0	82.7	69.7	72.4	72.4	76.8	88.0	86.2
82.5°	102.3	59.0	63.0	69.3	63.4	51.8	55.0	59.0	76.0	72.8	69.3
85°	43.8	32.6	40.2	43.8	40.7	31.3	35.7	61.7	56.3	54.5	55.0
87.5°	14.7	13.9	17.0	20.1	14.3	9.8	18.3	37.5	36.6	27.7	26.8
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)