

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: P1208017

Luminaire Tested: UPW-SA1-040-727-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1208017
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2211-834-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/19/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA1-040-727-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 CRI, 2700K, 800mA 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: 4843 lumens
Efficiency: N/A
Efficacy: 110.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 44
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

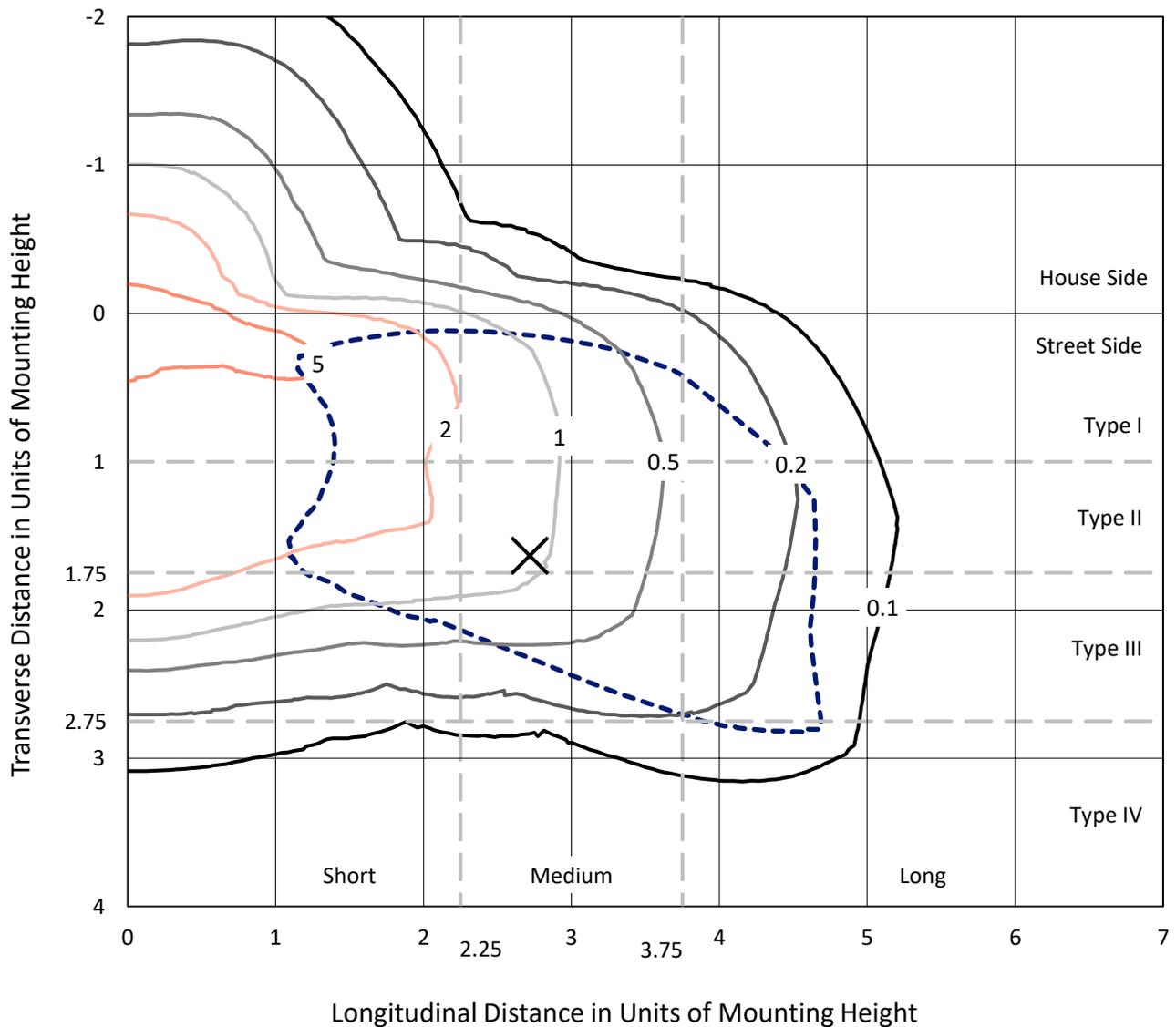


REPORT NUMBER: P1208017

CATALOG NUMBER: UPW-SA1-040-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

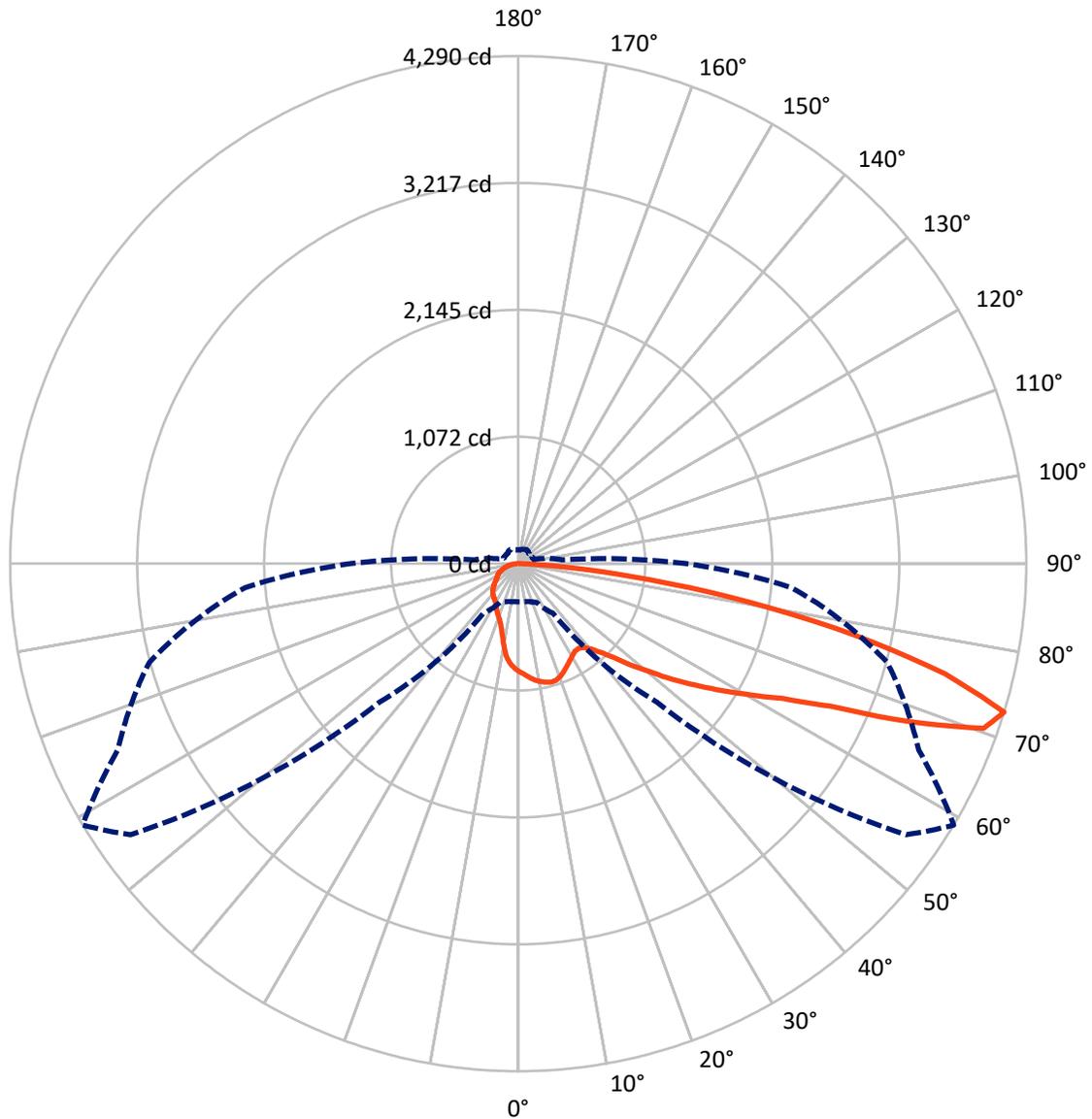


Based on 10 foot mounting height. Maximum calculated value = 9.5 fc
 Type III - Medium - N/A

REPORT NUMBER: P1208017

CATALOG NUMBER: UPW-SA1-040-727-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1208017

CATALOG NUMBER: UPW-SA1-040-727-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	824.1	0.0	824.1
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	4018.9	0.0	4018.9
	% Fixture	83.0	0.0	83.0
Total	Lumens	4843.0	0.0	4843.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	82.0	1.7
10°-20°	209.2	4.3
20°-30°	307.6	6.4
30°-40°	422.7	8.7
40°-50°	631.4	13.0
50°-60°	962.3	19.9
60°-70°	1233.3	25.5
70°-80°	852.6	17.6
80°-90°	141.9	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°	4843.0	100.0
0°-180°	4843.0	100.0



REPORT NUMBER: P1208017

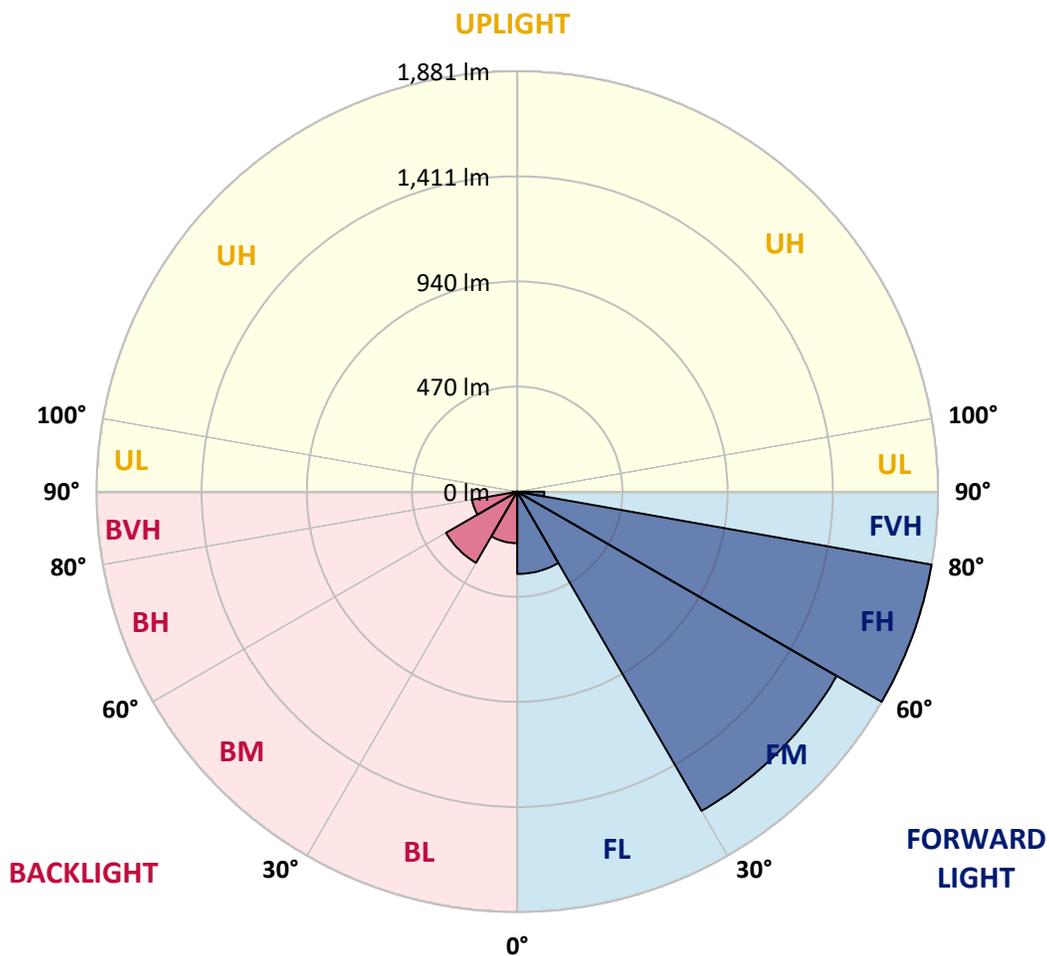
CATALOG NUMBER: UPW-SA1-040-727-U-SL3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	368.2	7.6			
FM	(30°-60°)	1648.8	34.0			
FH	(60°-80°)	1880.8	38.8			G2/5000
FVH	(80°-90°)	121.0	2.5			G2/225
BL	(0°-30°)	230.6	4.8	B1/500		
BM	(30°-60°)	367.5	7.6	B1/1000		
BH	(60°-80°)	205.1	4.2	B1/500		G1/500
BVH	(80°-90°)	20.9	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-G2

Type III Medium





REPORT NUMBER: P1208017

CATALOG NUMBER: UPW-SA1-040-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8
2.5°	950.8	948.1	949.4	951.4	946.1	946.7	940.0	934.7	930.6	927.9	921.9
5°	974.3	967.6	970.2	976.3	970.2	975.6	968.2	964.2	957.5	953.5	940.0
7.5°	954.8	950.1	956.8	972.3	979.6	993.7	995.1	992.4	989.7	981.0	964.2
10°	864.8	862.1	879.6	920.6	954.8	989.0	1011.9	1011.9	1013.2	1007.2	987.0
12.5°	750.7	748.7	771.5	821.8	889.0	967.6	1021.9	1028.0	1038.7	1036.7	1011.2
15°	674.8	673.5	691.6	731.9	801.0	912.5	1020.6	1040.7	1062.9	1067.6	1036.0
17.5°	635.9	635.9	648.6	679.5	727.2	835.9	991.1	1035.4	1080.4	1102.5	1064.2
20°	625.1	623.8	631.2	650.0	682.9	767.5	946.7	1016.6	1093.8	1130.7	1082.4
22.5°	630.5	629.1	631.8	641.2	660.0	721.8	899.1	988.4	1101.2	1155.6	1098.5
25°	656.7	655.3	652.0	651.3	655.3	700.3	850.7	956.8	1108.6	1191.1	1118.0
27.5°	707.7	703.7	692.3	681.5	670.8	695.6	819.8	928.6	1118.0	1220.7	1130.0
30°	773.5	772.2	758.1	737.9	702.3	706.4	800.4	902.4	1118.0	1243.5	1129.4
32.5°	821.8	822.5	819.8	807.7	757.4	730.5	793.0	880.9	1115.9	1275.1	1132.1
35°	872.9	872.9	866.2	866.2	833.3	777.5	803.7	878.9	1127.4	1327.4	1151.5
37.5°	959.5	958.2	944.1	930.0	905.8	853.4	835.3	898.4	1158.9	1411.4	1177.7
40°	1073.6	1076.3	1047.5	1008.5	980.3	941.4	894.4	948.1	1207.9	1511.4	1211.3
42.5°	1211.3	1218.7	1173.7	1120.0	1071.0	1019.9	977.0	1027.3	1294.5	1653.8	1269.0
45°	1380.5	1373.1	1316.7	1244.9	1180.4	1093.8	1067.6	1130.0	1407.3	1846.5	1357.7
47.5°	1527.5	1531.6	1462.4	1383.8	1303.9	1183.8	1182.4	1280.4	1556.4	2043.9	1459.7
50°	1670.6	1682.6	1606.1	1523.5	1438.2	1284.5	1327.4	1429.5	1716.2	2245.3	1586.0
52.5°	1782.7	1790.7	1719.6	1648.4	1563.8	1417.4	1498.7	1620.9	1878.0	2438.0	1731.0
55°	1871.3	1882.7	1802.8	1743.7	1679.3	1562.5	1694.7	1809.5	2045.9	2617.3	1879.4
57.5°	1991.5	1998.2	1897.5	1845.8	1785.4	1727.6	1910.3	2021.7	2225.8	2769.7	2033.1
60°	2083.5	2087.5	1983.4	1967.3	1966.0	1955.2	2150.0	2249.3	2395.0	2912.1	2190.3
62.5°	2003.6	2003.6	1931.7	1976.7	2139.9	2329.2	2482.3	2511.9	2569.6	3050.4	2341.3
65°	1587.3	1603.4	1611.5	1762.5	2127.1	2712.0	3033.6	2903.3	2787.8	3177.3	2464.9
67.5°	833.3	865.5	940.0	1200.5	1753.8	2851.6	3740.0	3567.4	3097.4	3262.6	2513.2
70°	424.4	433.8	472.7	618.4	1103.9	2484.3	4159.6	4169.7	3466.7	3299.5	2478.3
72.5°	322.3	322.3	331.0	359.9	510.3	1657.1	3995.1	4289.9	3731.2	3225.0	2313.8
75°	268.6	271.9	289.4	293.4	257.8	860.1	3240.4	3721.8	3449.9	2951.7	2021.1
77.5°	215.5	217.5	245.1	261.2	173.9	368.0	2362.8	2904.7	2660.3	2385.6	1423.5
80°	162.5	165.8	190.7	223.6	128.9	176.6	1592.0	1986.8	1664.5	1462.4	657.3
82.5°	108.8	110.1	130.3	176.6	95.3	98.0	938.0	1113.3	809.1	547.9	172.6
85°	66.5	67.8	81.2	114.1	63.1	52.4	416.3	430.4	255.8	130.3	61.8
87.5°	30.2	33.6	42.3	55.1	31.6	21.5	69.8	68.5	50.4	47.0	26.2
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1208017

CATALOG NUMBER: UPW-SA1-040-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8	911.8
2.5°	913.2	905.8	898.4	888.3	879.6	864.8	854.7	844.7	839.3	838.0	835.9
5°	929.3	916.5	895.0	866.8	835.9	801.0	768.1	739.3	719.8	713.7	716.4
7.5°	948.1	930.0	887.7	833.3	770.8	702.3	644.6	607.0	583.5	570.1	572.7
10°	964.9	938.7	871.5	780.2	673.5	587.5	541.9	515.7	503.6	502.2	501.6
12.5°	981.7	947.4	846.7	704.3	586.2	518.4	495.5	488.1	486.8	488.1	487.5
15°	1001.1	952.1	804.4	625.8	524.4	489.5	482.1	480.1	480.8	484.1	483.4
17.5°	1017.2	950.1	738.6	554.6	491.5	475.4	468.7	465.3	468.7	474.7	474.7
20°	1022.6	930.6	662.7	504.9	473.4	459.9	450.5	445.2	449.2	456.6	457.9
22.5°	1018.6	893.7	584.8	470.0	454.6	441.8	431.7	426.4	428.4	433.8	434.4
25°	1012.5	845.3	516.3	443.2	430.4	420.3	417.6	410.9	407.6	410.9	411.6
27.5°	994.4	781.6	459.9	415.6	403.5	404.9	403.5	397.5	392.8	392.1	393.5
30°	954.1	692.9	417.6	387.4	383.4	390.8	390.8	382.1	373.3	372.0	374.0
32.5°	905.8	602.3	382.7	363.9	372.0	376.0	376.0	368.6	359.9	354.5	357.2
35°	858.1	516.3	355.9	347.8	363.3	366.6	363.3	360.6	346.5	333.0	336.4
37.5°	803.0	442.5	332.4	335.7	353.2	354.5	354.5	345.1	326.3	314.9	317.6
40°	743.3	386.8	312.9	325.0	342.4	342.4	337.1	331.0	321.6	310.2	311.6
42.5°	705.0	349.2	298.1	313.6	325.7	329.7	317.6	322.3	314.2	302.2	303.5
45°	699.6	325.7	286.0	296.1	306.9	305.5	306.2	309.5	302.2	286.0	285.4
47.5°	732.5	318.3	274.6	276.6	286.0	290.7	294.8	296.1	285.4	267.9	265.2
50°	805.7	331.0	263.2	259.2	267.2	278.0	282.0	284.0	271.3	253.1	250.4
52.5°	918.5	370.6	253.1	244.4	243.7	262.5	273.9	279.3	259.2	239.7	238.4
55°	1043.4	424.4	239.7	231.6	224.3	250.4	267.2	273.3	247.8	222.2	220.2
57.5°	1176.4	488.1	224.3	218.9	210.2	239.0	255.1	259.8	230.3	201.4	200.1
60°	1315.4	545.2	209.5	204.8	200.1	223.6	240.4	241.7	214.2	185.3	184.0
62.5°	1440.9	584.2	195.4	190.0	190.0	205.5	222.9	221.6	197.4	170.5	169.2
65°	1533.6	579.5	182.6	175.9	178.6	186.0	201.4	196.7	179.3	156.4	155.1
67.5°	1571.2	529.8	170.5	163.2	163.8	165.8	178.6	175.2	161.1	142.3	141.7
70°	1532.2	440.5	155.1	145.7	144.4	145.0	157.8	151.7	141.7	129.6	128.9
72.5°	1416.1	369.3	137.6	129.6	126.9	124.9	135.6	132.9	125.6	115.5	116.2
75°	1241.5	318.9	118.8	113.5	108.8	106.8	115.5	114.1	108.8	102.1	102.1
77.5°	867.5	233.0	98.0	96.0	93.3	89.3	96.0	96.7	93.3	91.3	90.6
80°	376.0	130.3	77.2	78.6	75.2	72.5	77.9	78.6	81.2	78.6	79.2
82.5°	108.8	64.5	55.7	59.8	58.4	55.7	58.4	64.5	60.4	53.0	54.4
85°	40.3	30.9	34.9	37.6	35.6	28.2	36.9	42.3	38.3	35.6	36.3
87.5°	15.4	11.4	14.8	12.8	10.1	7.4	12.8	14.1	18.8	7.4	6.0
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)