

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: P1207774

Luminaire Tested: UPW-SA1-030-727-U-SL3

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1207774
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-SA1-030-727-U-SL3
Description: UNDERPASS WALL MOUNT LUMINAIRE
(1) 70 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: 3950 lumens
Efficiency: N/A
Efficacy: 116.2 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

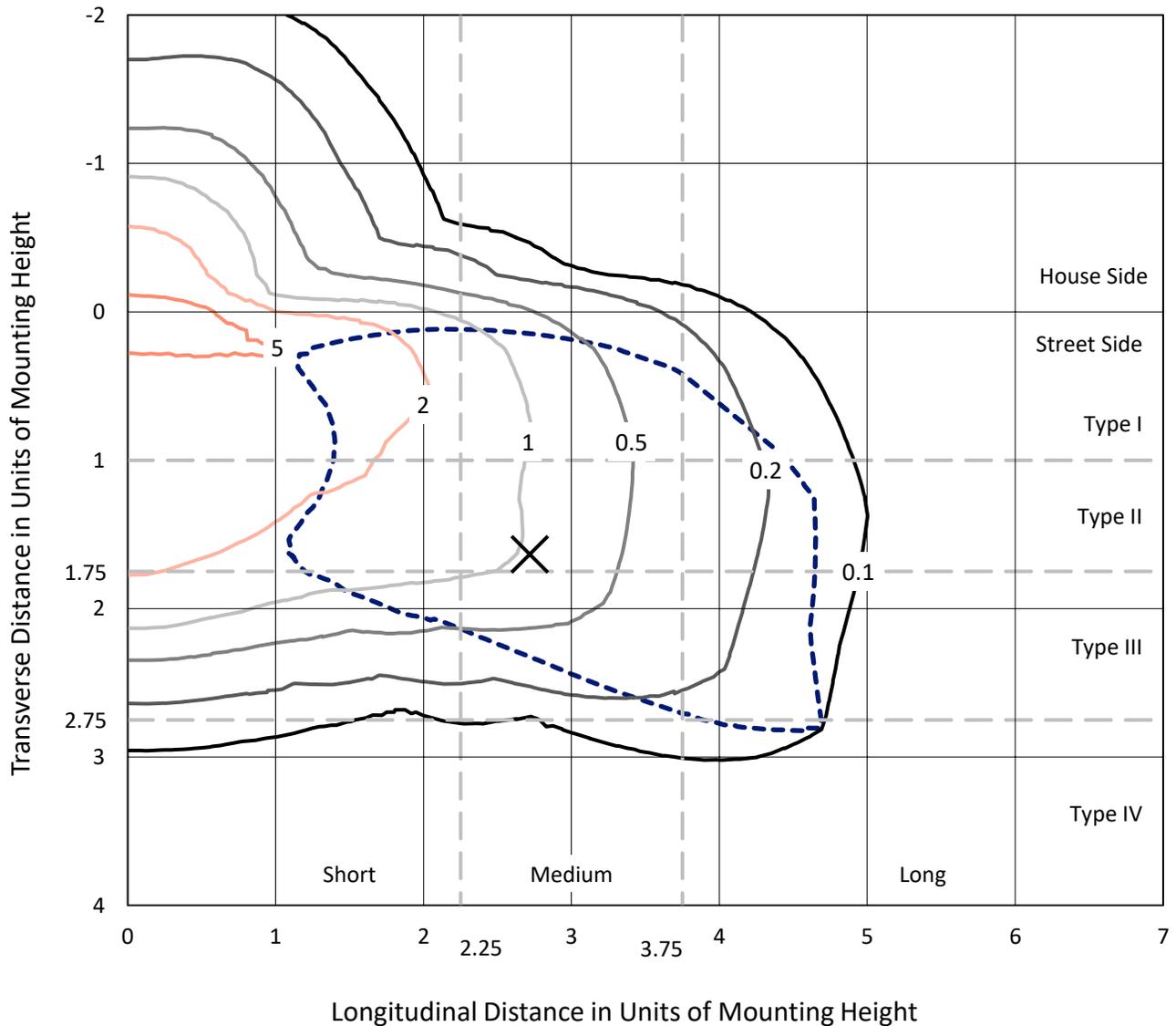


REPORT NUMBER: P1207774

CATALOG NUMBER: UPW-SA1-030-727-U-SL3

Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

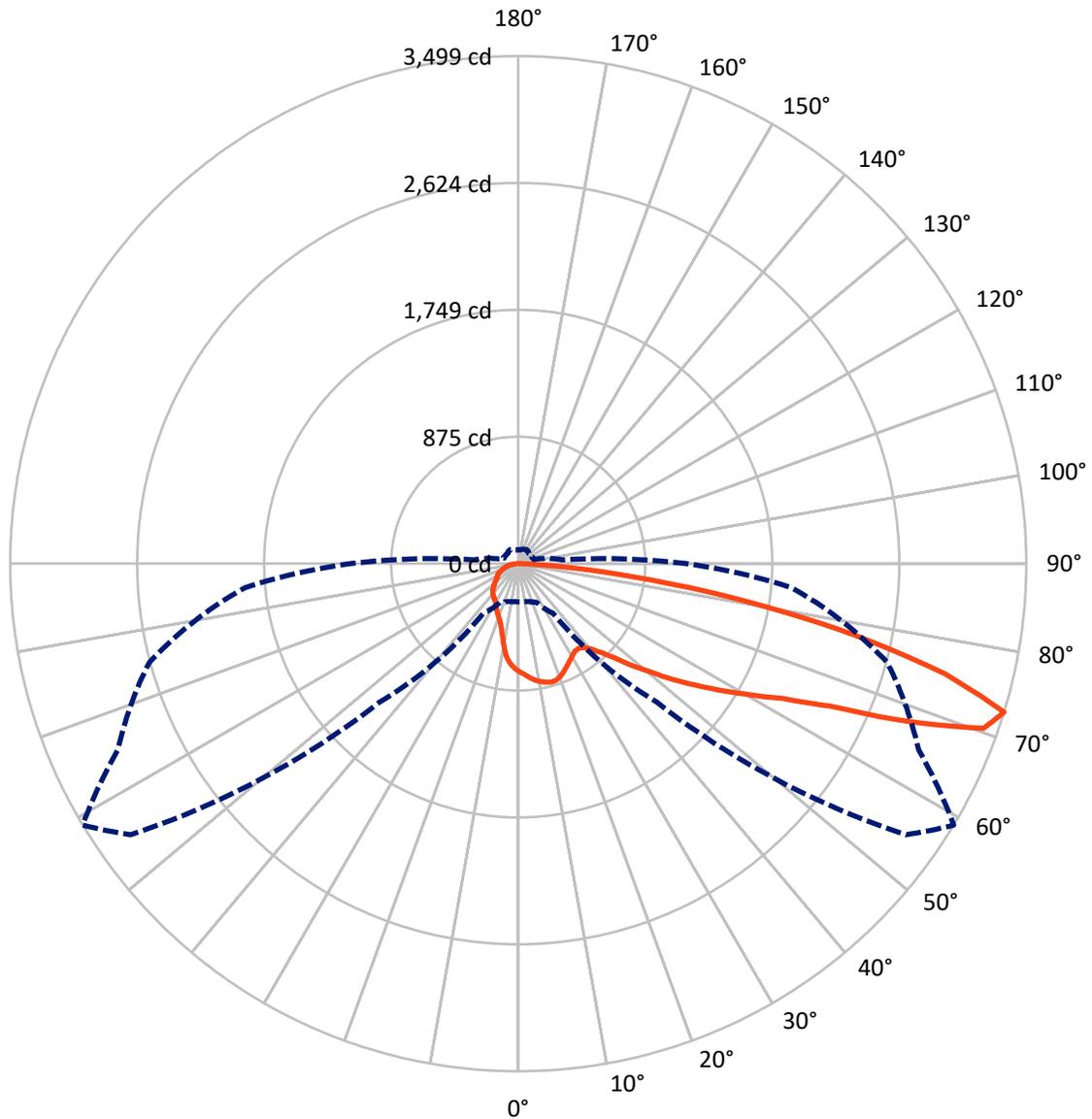


Based on 10 foot mounting height. Maximum calculated value = 7.7 fc
 Type III - Medium - N/A

REPORT NUMBER: P1207774

CATALOG NUMBER: UPW-SA1-030-727-U-SL3

Luminous Intensity Polar Plot



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

REPORT NUMBER: P1207774

CATALOG NUMBER: UPW-SA1-030-727-U-SL3

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	672.1	0.0	672.1
	% Fixture	17.0	0.0	17.0
Street Side	Lumens	3277.9	0.0	3277.9
	% Fixture	83.0	0.0	83.0
Total	Lumens	3950.0	0.0	3950.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.9	1.7
10°-20°	170.6	4.3
20°-30°	250.9	6.4
30°-40°	344.8	8.7
40°-50°	515.0	13.0
50°-60°	784.8	19.9
60°-70°	1005.9	25.5
70°-80°	695.4	17.6
80°-90°	115.7	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°	3950.0	100.0
0°-180°	3950.0	100.0



REPORT NUMBER: P1207774

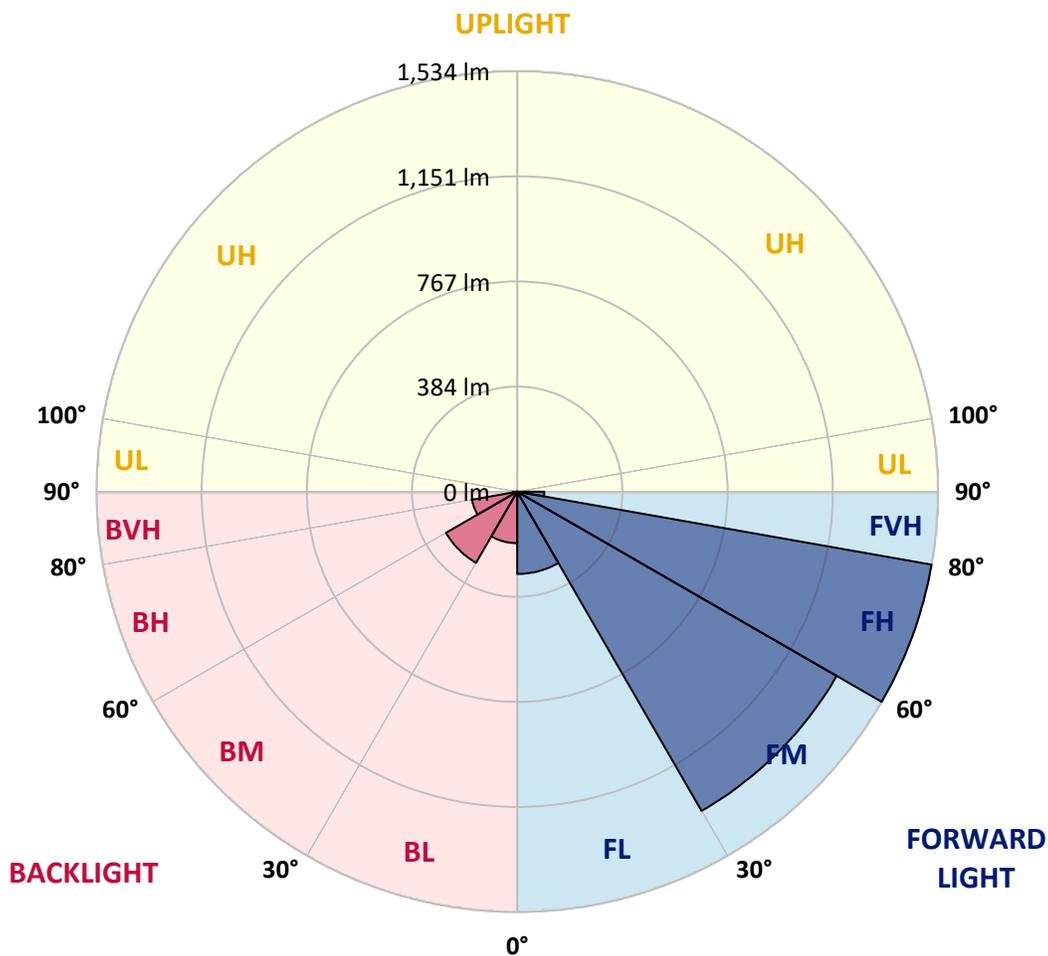
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	300.3	7.6			
FM	(30°-60°)	1344.8	34.0			
FH	(60°-80°)	1534.0	38.8			G1/1800
FVH	(80°-90°)	98.7	2.5			G1/100
BL	(0°-30°)	188.1	4.8	B1/500		
BM	(30°-60°)	299.8	7.6	B1/1000		
BH	(60°-80°)	167.3	4.2	B1/500		G1/500
BVH	(80°-90°)	17.0	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





REPORT NUMBER: P1207774

CATALOG NUMBER: UPW-SA1-030-727-U-SL3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	59°	65°	75°	85°
0°	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7
2.5°	775.5	773.3	774.4	776.0	771.6	772.2	766.7	762.3	759.0	756.8	751.9
5°	794.6	789.1	791.3	796.3	791.3	795.7	789.7	786.4	780.9	777.6	766.7
7.5°	778.7	774.9	780.4	793.0	799.0	810.5	811.6	809.4	807.2	800.1	786.4
10°	705.4	703.2	717.4	750.8	778.7	806.7	825.3	825.3	826.4	821.5	805.0
12.5°	612.3	610.6	629.2	670.3	725.1	789.1	833.5	838.4	847.2	845.6	824.7
15°	550.4	549.3	564.1	596.9	653.3	744.2	832.4	848.8	866.9	870.7	845.0
17.5°	518.6	518.6	529.0	554.2	593.1	681.8	808.3	844.5	881.1	899.2	868.0
20°	509.9	508.8	514.8	530.1	556.9	625.9	772.2	829.1	892.1	922.2	882.8
22.5°	514.2	513.1	515.3	523.0	538.3	588.7	733.3	806.1	898.1	942.5	895.9
25°	535.6	534.5	531.8	531.2	534.5	571.2	693.9	780.4	904.1	971.5	911.8
27.5°	577.2	573.9	564.6	555.9	547.1	567.4	668.7	757.4	911.8	995.6	921.7
30°	630.9	629.8	618.3	601.9	572.8	576.1	652.8	736.0	911.8	1014.2	921.1
32.5°	670.3	670.9	668.7	658.8	617.7	595.8	646.8	718.5	910.2	1040.0	923.3
35°	711.9	711.9	706.5	706.5	679.6	634.2	655.5	716.9	919.5	1082.7	939.2
37.5°	782.6	781.5	770.0	758.5	738.8	696.0	681.3	732.7	945.2	1151.1	960.6
40°	875.7	877.9	854.3	822.6	799.6	767.8	729.5	773.3	985.2	1232.7	987.9
42.5°	987.9	994.0	957.3	913.5	873.5	831.9	796.8	837.9	1055.8	1348.8	1035.0
45°	1125.9	1119.9	1073.9	1015.3	962.7	892.1	870.7	921.7	1147.8	1506.0	1107.3
47.5°	1245.9	1249.2	1192.8	1128.7	1063.5	965.5	964.4	1044.3	1269.4	1667.0	1190.6
50°	1362.5	1372.4	1309.9	1242.6	1173.0	1047.6	1082.7	1165.9	1399.8	1831.3	1293.5
52.5°	1454.0	1460.5	1402.5	1344.5	1275.4	1156.1	1222.3	1322.0	1531.7	1988.5	1411.8
55°	1526.3	1535.6	1470.4	1422.2	1369.6	1274.4	1382.2	1475.9	1668.7	2134.7	1532.8
57.5°	1624.3	1629.8	1547.6	1505.5	1456.2	1409.1	1558.0	1648.9	1815.4	2259.0	1658.2
60°	1699.3	1702.6	1617.7	1604.6	1603.5	1594.7	1753.5	1834.6	1953.4	2375.1	1786.4
62.5°	1634.2	1634.2	1575.6	1612.2	1745.3	1899.8	2024.6	2048.7	2095.8	2487.9	1909.6
65°	1294.6	1307.8	1314.3	1437.5	1734.9	2211.9	2474.2	2368.0	2273.8	2591.4	2010.4
67.5°	679.6	705.9	766.7	979.2	1430.4	2325.8	3050.3	2909.6	2526.3	2661.0	2049.8
70°	346.1	353.8	385.5	504.4	900.3	2026.3	3392.6	3400.8	2827.5	2691.1	2021.3
72.5°	262.9	262.9	270.0	293.5	416.2	1351.6	3258.4	3498.9	3043.2	2630.3	1887.2
75°	219.1	221.8	236.0	239.3	210.3	701.5	2642.9	3035.6	2813.8	2407.4	1648.4
77.5°	175.8	177.4	199.9	213.0	141.8	300.1	1927.1	2369.1	2169.7	1945.8	1161.0
80°	132.5	135.3	155.5	182.4	105.1	144.0	1298.4	1620.5	1357.6	1192.8	536.1
82.5°	88.7	89.8	106.2	144.0	77.8	80.0	765.0	908.0	659.9	446.9	140.7
85°	54.2	55.3	66.3	93.1	51.5	42.7	339.5	351.0	208.6	106.2	50.4
87.5°	24.6	27.4	34.5	44.9	25.7	17.5	57.0	55.9	41.1	38.3	21.4
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: P1207774

CATALOG NUMBER: UPW-SA1-030-727-U-SL3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7	743.7
2.5°	744.8	738.8	732.7	724.5	717.4	705.4	697.1	688.9	684.5	683.5	681.8
5°	757.9	747.5	730.0	707.0	681.8	653.3	626.5	602.9	587.1	582.1	584.3
7.5°	773.3	758.5	724.0	679.6	628.7	572.8	525.7	495.1	475.9	464.9	467.1
10°	787.0	765.6	710.8	636.4	549.3	479.2	441.9	420.6	410.7	409.6	409.1
12.5°	800.6	772.7	690.6	574.5	478.1	422.8	404.2	398.1	397.0	398.1	397.6
15°	816.5	776.6	656.1	510.4	427.7	399.2	393.2	391.6	392.1	394.8	394.3
17.5°	829.7	774.9	602.4	452.3	400.9	387.7	382.3	379.5	382.3	387.2	387.2
20°	834.1	759.0	540.5	411.8	386.1	375.1	367.5	363.1	366.4	372.4	373.5
22.5°	830.8	728.9	477.0	383.3	370.8	360.3	352.1	347.7	349.4	353.8	354.3
25°	825.8	689.5	421.1	361.4	351.0	342.8	340.6	335.2	332.4	335.2	335.7
27.5°	811.1	637.5	375.1	339.0	329.1	330.2	329.1	324.2	320.4	319.8	320.9
30°	778.2	565.2	340.6	316.0	312.7	312.7	318.7	311.6	304.5	303.4	305.0
32.5°	738.8	491.2	312.2	296.8	303.4	306.7	306.7	300.7	293.5	289.2	291.3
35°	699.9	421.1	290.2	283.7	296.3	299.0	296.3	294.1	282.6	271.6	274.4
37.5°	655.0	360.9	271.1	273.8	288.1	289.2	289.2	281.5	266.2	256.8	259.0
40°	606.2	315.4	255.2	265.1	279.3	279.3	274.9	270.0	262.3	253.0	254.1
42.5°	575.0	284.8	243.2	255.7	265.6	268.9	259.0	262.9	256.3	246.4	247.5
45°	570.6	265.6	233.3	241.5	250.3	249.2	249.7	252.5	246.4	233.3	232.7
47.5°	597.5	259.6	224.0	225.6	233.3	237.1	240.4	241.5	232.7	218.5	216.3
50°	657.2	270.0	214.7	211.4	218.0	226.7	230.0	231.7	221.2	206.5	204.3
52.5°	749.2	302.3	206.5	199.3	198.8	214.1	223.4	227.8	211.4	195.5	194.4
55°	851.0	346.1	195.5	188.9	182.9	204.3	218.0	222.9	202.1	181.3	179.6
57.5°	959.5	398.1	182.9	178.5	171.4	195.0	208.1	211.9	187.8	164.3	163.2
60°	1072.8	444.7	170.9	167.0	163.2	182.4	196.1	197.1	174.7	151.1	150.1
62.5°	1175.2	476.4	159.4	155.0	155.0	167.6	181.8	180.7	161.0	139.1	138.0
65°	1250.8	472.6	149.0	143.5	145.7	151.7	164.3	160.5	146.2	127.6	126.5
67.5°	1281.5	432.1	139.1	133.1	133.6	135.3	145.7	142.9	131.4	116.1	115.6
70°	1249.7	359.3	126.5	118.8	117.7	118.3	128.7	123.8	115.6	105.7	105.1
72.5°	1155.0	301.2	112.3	105.7	103.5	101.9	110.6	108.4	102.4	94.2	94.7
75°	1012.6	260.1	96.9	92.6	88.7	87.1	94.2	93.1	88.7	83.2	83.2
77.5°	707.5	190.0	80.0	78.3	76.1	72.8	78.3	78.9	76.1	74.5	73.9
80°	306.7	106.2	63.0	64.1	61.3	59.1	63.5	64.1	66.3	64.1	64.6
82.5°	88.7	52.6	45.5	48.7	47.6	45.5	47.6	52.6	49.3	43.3	44.4
85°	32.9	25.2	28.5	30.7	29.0	23.0	30.1	34.5	31.2	29.0	29.6
87.5°	12.6	9.3	12.0	10.4	8.2	6.0	10.4	11.5	15.3	6.0	4.9
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)