

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: P1207934

Luminaire Tested: UPW-SA1-030-827-U-SL2

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207934  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-827-U-SL2  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 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: 3509 lumens  
Efficiency: N/A  
Efficacy: 103.2 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

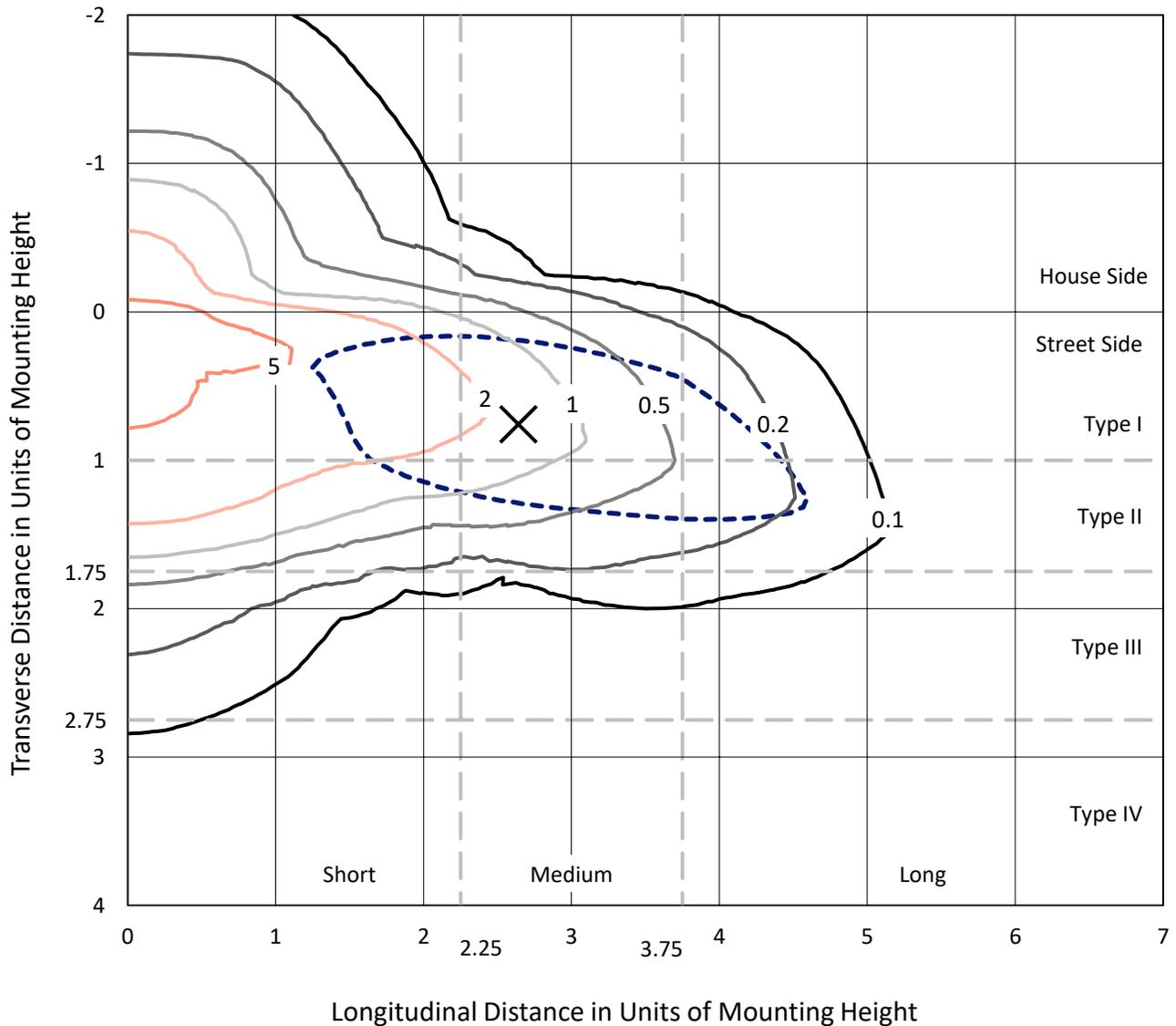


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

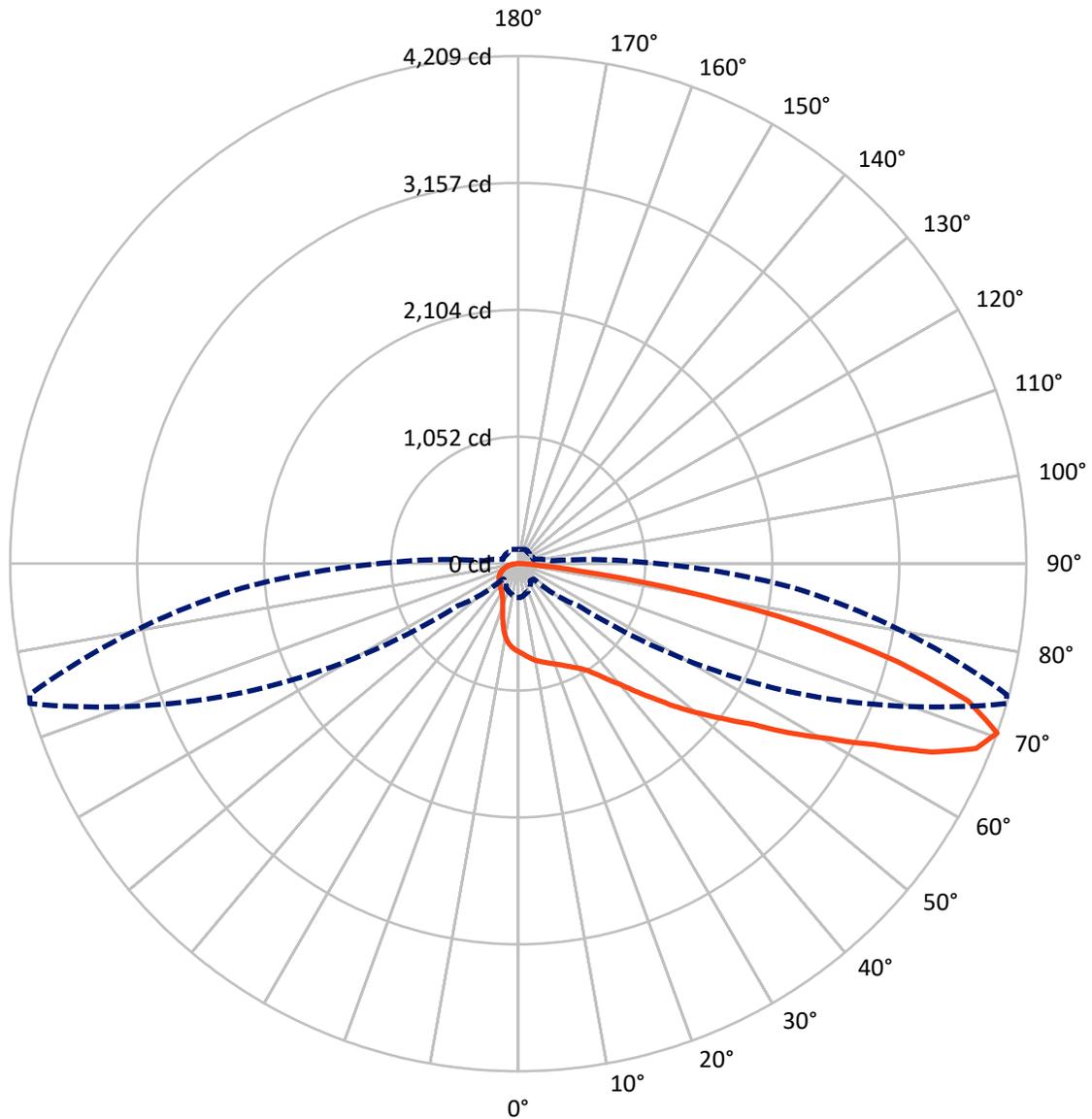


Based on 10 foot mounting height. Maximum calculated value = 8.1 fc  
 Type II - Medium - N/A

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### Luminous Intensity Polar Plot



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

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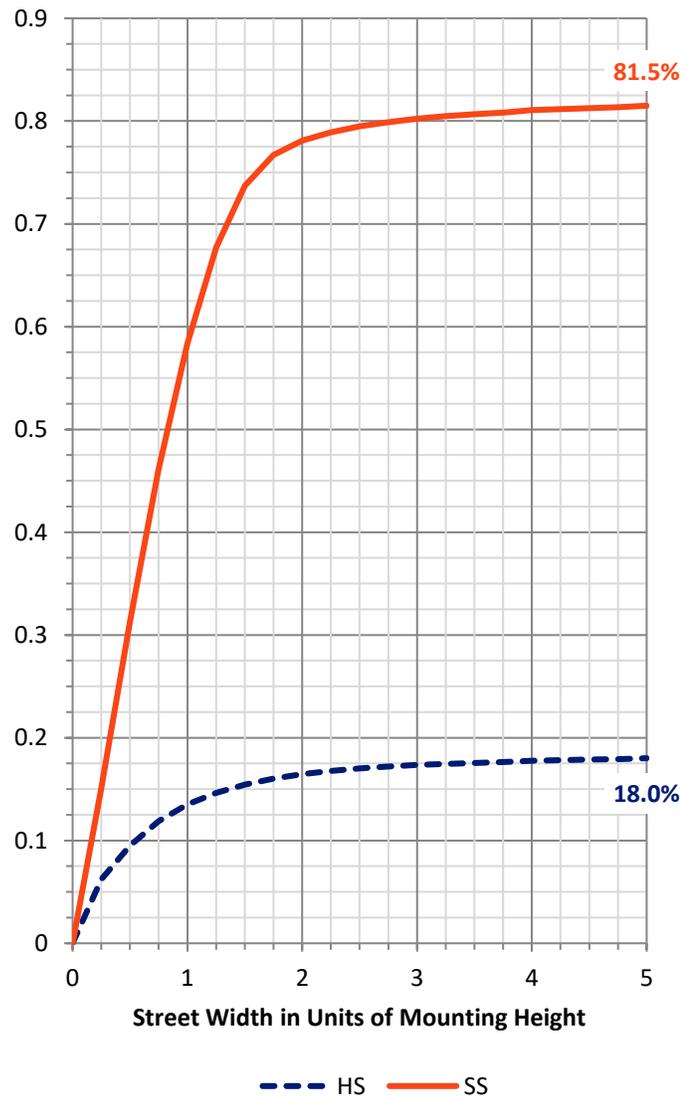
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	642.3	0.0	642.3
	% Fixture	18.3	0.0	18.3
<b>Street Side</b>	Lumens	2866.7	0.0	2866.7
	% Fixture	81.7	0.0	81.7
<b>Total</b>	Lumens	3509.0	0.0	3509.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	64.2	1.8
10°-20°	168.8	4.8
20°-30°	267.3	7.6
30°-40°	398.3	11.4
40°-50°	549.3	15.7
50°-60°	736.7	21.0
60°-70°	764.5	21.8
70°-80°	483.8	13.8
80°-90°	76.1	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°	3509.0	100.0
0°-180°	3509.0	100.0



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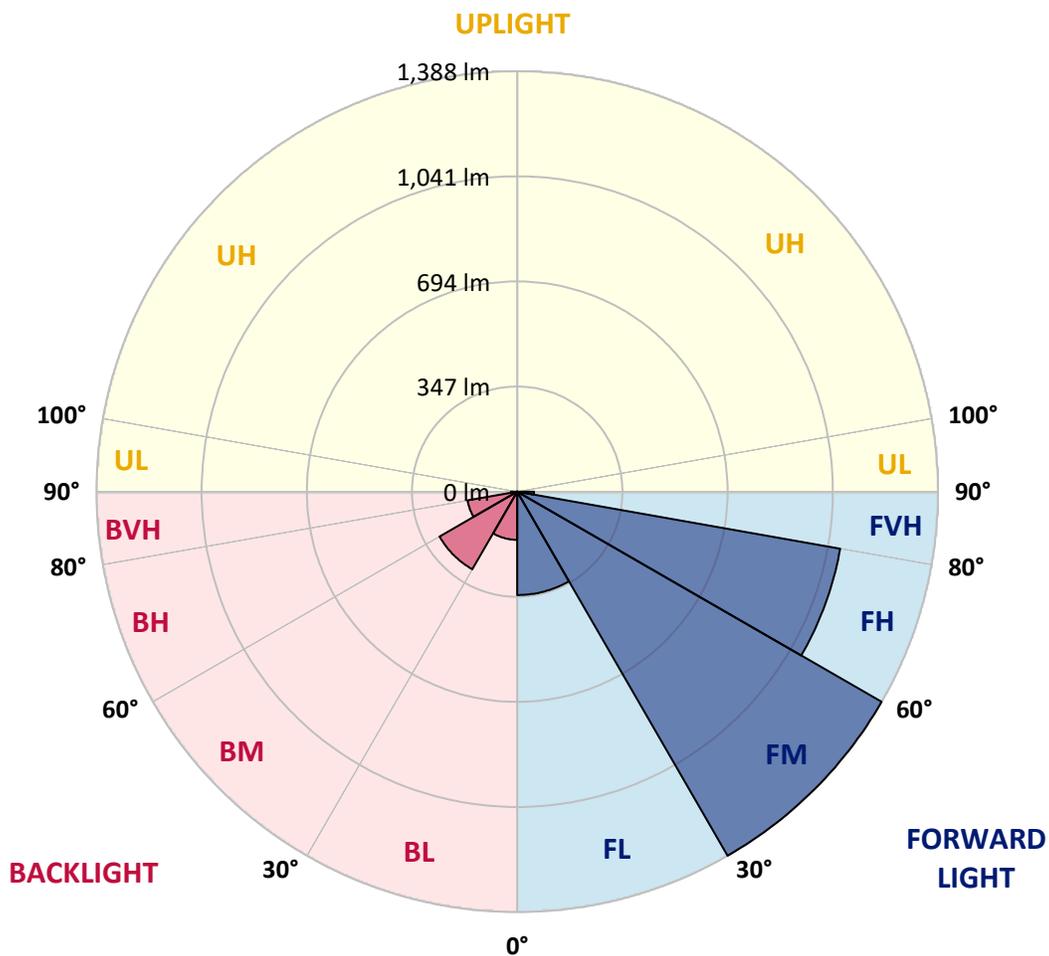
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	341.4	9.7			
FM	(30°-60°)	1388.1	39.6			
FH	(60°-80°)	1081.9	30.8			G1/1800
FVH	(80°-90°)	55.3	1.6			G1/100
BL	(0°-30°)	159.0	4.5	B1/500		
BM	(30°-60°)	296.2	8.4	B1/1000		
BH	(60°-80°)	166.3	4.7	B1/500		G1/500
BVH	(80°-90°)	20.8	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°	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7
2.5°	781.4	780.2	777.4	777.4	776.2	773.5	765.6	757.4	749.5	748.8	738.6
5°	813.5	811.6	811.2	811.2	809.6	806.9	796.3	784.9	773.5	771.1	752.7
7.5°	828.9	827.3	827.7	829.6	832.8	830.4	821.0	811.2	795.9	793.9	766.4
10°	820.6	821.8	826.5	837.5	845.4	849.7	841.8	832.8	817.1	814.7	777.4
12.5°	768.4	771.9	786.8	815.1	845.0	861.4	861.1	851.6	832.8	830.8	786.1
15°	689.5	685.2	712.6	757.8	812.0	858.7	874.0	869.7	850.8	848.1	796.3
17.5°	650.6	651.0	663.2	691.0	750.7	836.3	881.1	887.8	870.1	866.6	807.7
20°	666.3	665.9	667.1	676.5	705.2	790.8	881.5	907.4	888.9	886.6	817.9
22.5°	711.1	709.5	706.0	698.1	698.9	750.3	876.0	929.0	912.9	908.2	824.9
25°	773.5	769.6	758.2	740.5	721.7	738.2	861.8	954.1	940.4	935.3	832.4
27.5°	844.6	843.8	831.6	797.8	762.1	753.5	845.7	981.6	973.0	965.9	840.6
30°	918.0	913.7	902.3	866.2	821.0	786.8	841.0	1011.8	1007.5	998.5	847.3
32.5°	958.0	956.1	948.6	926.6	887.4	835.1	854.8	1042.8	1057.0	1050.3	861.8
35°	989.8	986.3	978.5	969.4	949.4	898.8	886.6	1080.1	1130.8	1119.0	892.9
37.5°	1020.1	1016.1	1010.7	1002.0	989.1	959.6	932.9	1131.2	1224.2	1216.0	940.0
40°	1053.8	1049.5	1042.5	1036.6	1018.5	1009.5	976.5	1179.9	1324.4	1320.4	996.5
42.5°	1079.4	1074.7	1071.1	1067.2	1047.6	1030.7	1010.7	1226.2	1459.4	1449.6	1071.5
45°	1098.2	1095.5	1095.5	1090.8	1077.8	1031.5	1034.6	1288.2	1604.7	1601.6	1175.2
47.5°	1118.6	1115.1	1117.1	1112.7	1108.8	1032.2	1064.1	1371.1	1779.4	1776.7	1291.0
50°	1143.0	1139.4	1147.3	1141.0	1142.6	1055.8	1106.1	1474.8	1952.2	1945.5	1414.3
52.5°	1146.1	1145.3	1165.0	1179.1	1190.5	1109.6	1177.1	1598.4	2141.1	2141.1	1558.0
55°	1082.5	1080.9	1119.0	1179.1	1243.1	1212.9	1309.1	1792.0	2349.9	2355.4	1686.0
57.5°	879.1	886.6	951.0	1069.2	1240.3	1360.1	1504.2	2027.6	2644.4	2626.4	1811.6
60°	559.1	570.1	621.5	784.1	1055.0	1384.8	1714.3	2326.8	2943.2	2908.7	1977.7
62.5°	369.5	360.0	360.8	437.4	678.9	1163.8	1755.5	2681.3	3303.7	3278.5	2125.4
65°	328.6	322.0	288.6	268.6	329.8	726.8	1492.8	2936.9	3767.0	3696.7	2238.4
67.5°	311.8	305.1	274.1	243.0	207.7	371.4	1060.9	2889.8	4090.5	4046.1	2322.1
70°	282.3	278.4	253.3	229.3	173.5	179.4	612.1	2536.8	4208.7	4187.5	2284.0
72.5°	245.4	240.7	223.8	207.3	152.3	132.3	293.7	2011.1	3898.1	3896.5	2122.6
75°	201.0	197.1	183.4	177.9	128.8	108.4	166.9	1412.3	3247.5	3230.2	1886.6
77.5°	164.5	159.0	149.6	145.3	106.8	87.2	117.4	985.9	2396.7	2351.5	1320.4
80°	119.4	115.8	106.8	117.0	84.4	67.5	87.2	613.3	1408.4	1316.5	494.7
82.5°	72.6	65.6	73.8	89.5	62.4	48.3	64.0	342.0	504.9	443.7	147.6
85°	33.8	34.6	43.2	57.3	37.3	28.3	40.0	149.6	146.5	140.2	62.0
87.5°	5.5	5.9	16.5	25.1	15.7	9.4	16.1	33.0	55.4	56.9	26.7
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°	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7	730.7
2.5°	732.3	726.0	714.6	702.0	687.9	674.9	669.4	651.4	647.1	645.9	636.9
5°	739.7	726.0	696.1	660.8	619.6	582.3	541.1	508.1	489.6	488.0	490.4
7.5°	747.2	725.6	671.0	599.6	526.5	454.3	410.3	384.4	366.3	362.0	363.2
10°	751.1	720.1	632.5	522.6	421.7	369.1	344.0	334.9	332.2	329.8	329.8
12.5°	751.9	707.9	581.5	439.8	360.0	334.5	327.5	325.1	324.7	324.3	323.5
15°	752.7	692.6	516.3	375.8	332.2	323.9	321.2	320.8	321.6	321.2	321.2
17.5°	751.9	671.8	453.1	338.8	322.0	318.8	317.3	316.9	318.0	317.6	317.3
20°	749.2	645.1	391.5	320.0	314.9	314.1	312.1	310.6	312.1	312.5	312.1
22.5°	738.6	605.8	347.1	308.2	308.2	308.2	305.9	303.9	306.7	307.4	307.8
25°	722.1	558.7	314.1	298.4	300.4	299.6	299.6	299.2	301.9	302.7	303.1
27.5°	704.8	509.6	290.9	287.8	290.9	292.9	296.4	296.8	296.8	296.0	295.7
30°	682.8	456.2	276.0	278.4	282.7	289.8	296.0	295.3	292.5	289.8	290.2
32.5°	665.1	413.1	261.5	270.1	278.0	288.2	293.7	294.9	294.5	289.8	289.8
35°	658.5	378.5	251.7	263.1	274.8	284.3	286.6	291.7	290.9	285.1	284.7
37.5°	662.8	350.6	243.0	255.6	270.1	274.8	280.0	281.1	271.3	265.0	263.5
40°	672.2	330.2	235.2	246.2	262.3	266.2	273.3	262.7	254.4	249.3	250.1
42.5°	698.5	321.6	228.1	235.6	250.5	259.5	256.8	253.6	242.3	234.0	233.2
45°	740.1	321.2	221.8	224.6	237.2	246.6	246.2	242.7	230.5	221.8	220.7
47.5°	797.1	329.0	215.2	214.4	224.6	230.5	236.0	230.5	217.9	208.1	206.9
50°	865.0	349.4	208.9	203.8	210.8	219.9	222.6	218.7	206.9	197.5	196.3
52.5°	946.7	377.7	203.4	194.4	196.3	208.9	215.2	211.6	198.3	188.1	186.5
55°	1026.0	404.4	195.9	184.5	181.4	198.7	208.5	208.1	188.5	177.9	177.1
57.5°	1107.2	429.5	187.7	176.3	171.2	187.7	201.4	203.0	178.3	166.9	166.9
60°	1189.7	447.2	177.5	167.7	164.9	175.5	190.8	191.2	169.2	160.6	161.4
62.5°	1257.2	436.6	167.3	159.4	157.4	163.7	179.0	182.6	168.4	159.0	159.8
65°	1285.9	401.3	155.9	151.6	148.4	150.8	164.9	169.2	154.3	143.7	144.9
67.5°	1267.4	349.8	144.5	142.5	138.2	137.4	146.5	149.2	138.2	131.5	130.7
70°	1157.9	279.2	130.7	130.7	126.8	123.3	128.0	130.4	121.7	117.8	118.6
72.5°	1002.0	226.9	117.4	119.0	113.5	108.8	111.5	112.7	107.6	105.6	104.8
75°	866.9	189.6	104.0	106.4	100.5	93.1	96.2	96.2	91.9	91.5	91.1
77.5°	632.1	142.5	89.5	92.3	87.6	78.1	78.9	79.3	77.7	77.7	78.1
80°	270.5	87.2	73.0	77.3	72.6	61.3	63.6	63.6	67.5	77.3	75.8
82.5°	89.9	51.8	55.4	60.9	55.8	45.5	48.3	51.8	66.7	64.0	60.9
85°	38.5	28.7	35.3	38.5	35.7	27.5	31.4	54.2	49.5	47.9	48.3
87.5°	13.0	12.2	14.9	17.7	12.6	8.6	16.1	33.0	32.2	24.3	23.6
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)