

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: P1208124

Luminaire Tested: UPW-SA1-040-750-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208124  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-040-750-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 5000K, 800mA LIGHTSQUARE WITH 16 LEDS AND TYPE III SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4221 lumens  
Efficiency: N/A  
Efficacy: 95.9 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B0 - U0 - G1

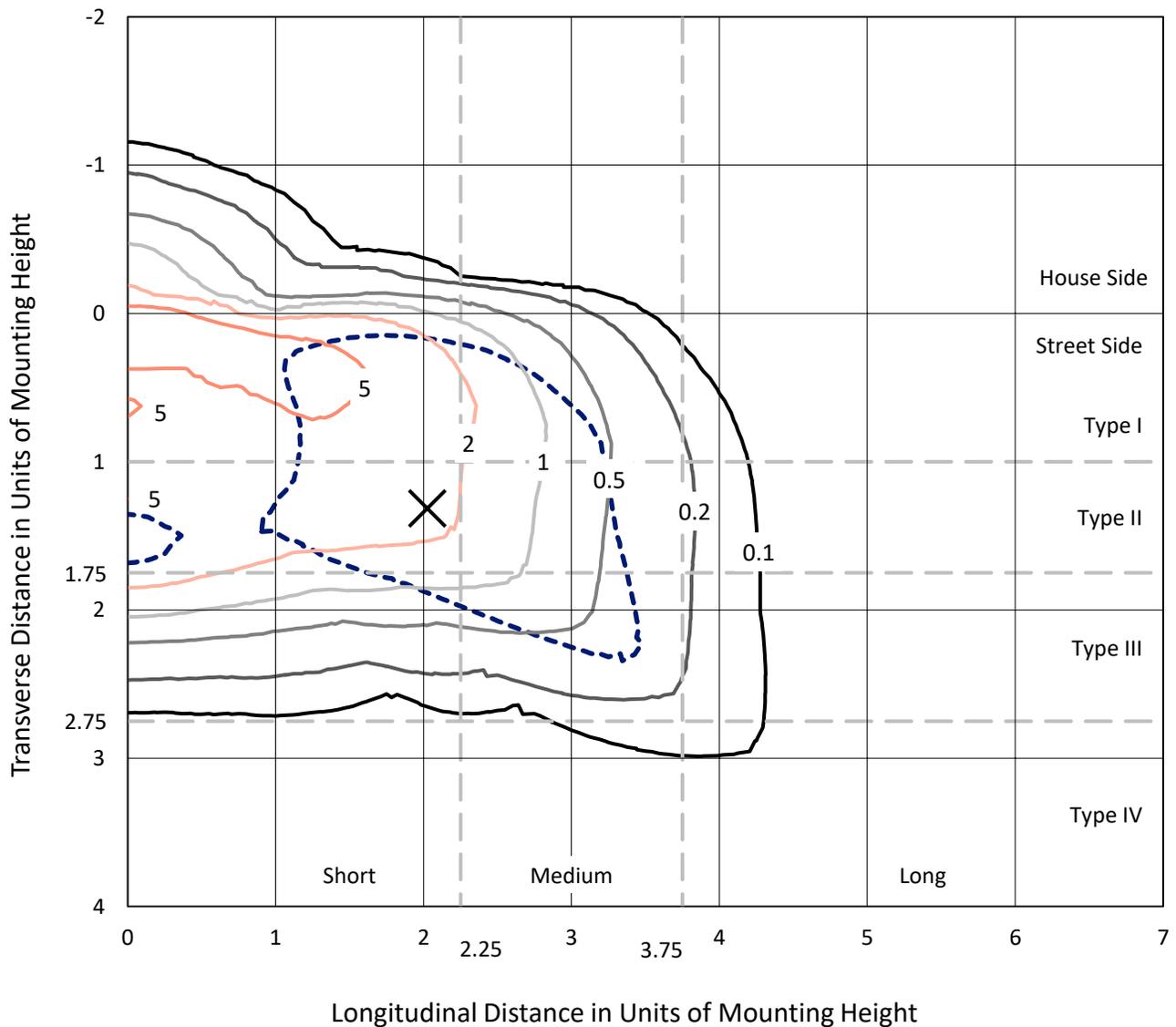
Input Watts (W): 44  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

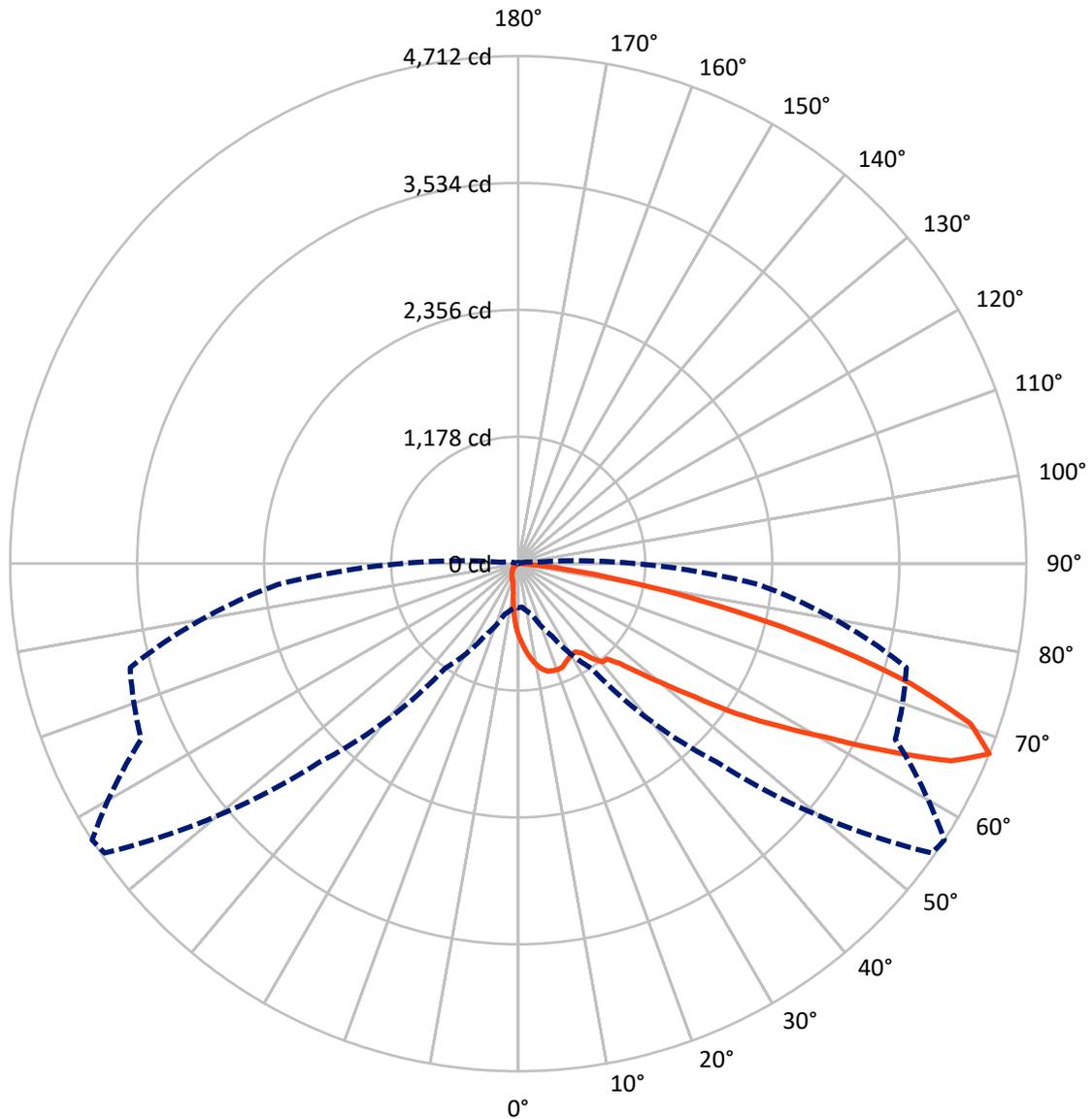
× Max cd  
 - - - 1/2 Max cd



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

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### Luminous Intensity Polar Plot



— Vertical Plane Through 57-Deg Lateral    - - - Horizontal Cone Through 67.5-Deg Vertical

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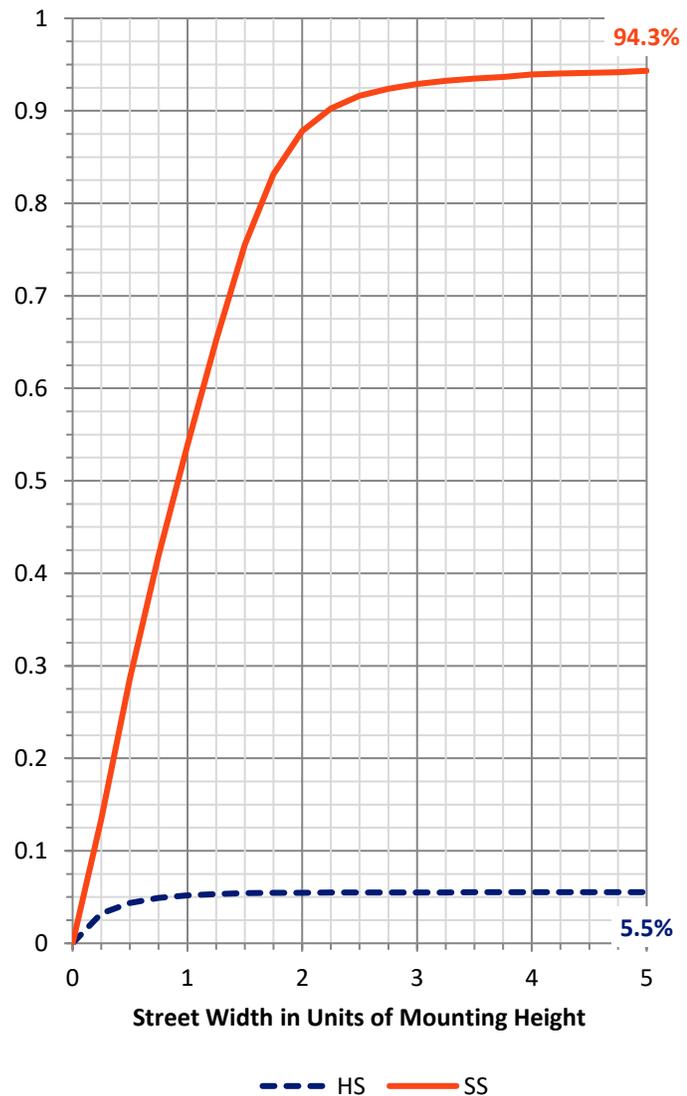
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	234.9	0.0	234.9
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	3986.1	0.0	3986.1
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	4221.0	0.0	4221.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	60.3	1.4
10°-20°	157.0	3.7
20°-30°	229.8	5.4
30°-40°	345.5	8.2
40°-50°	563.8	13.4
50°-60°	1067.0	25.3
60°-70°	1219.4	28.9
70°-80°	532.2	12.6
80°-90°	46.0	1.1
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°	4221.0	100.0
0°-180°	4221.0	100.0



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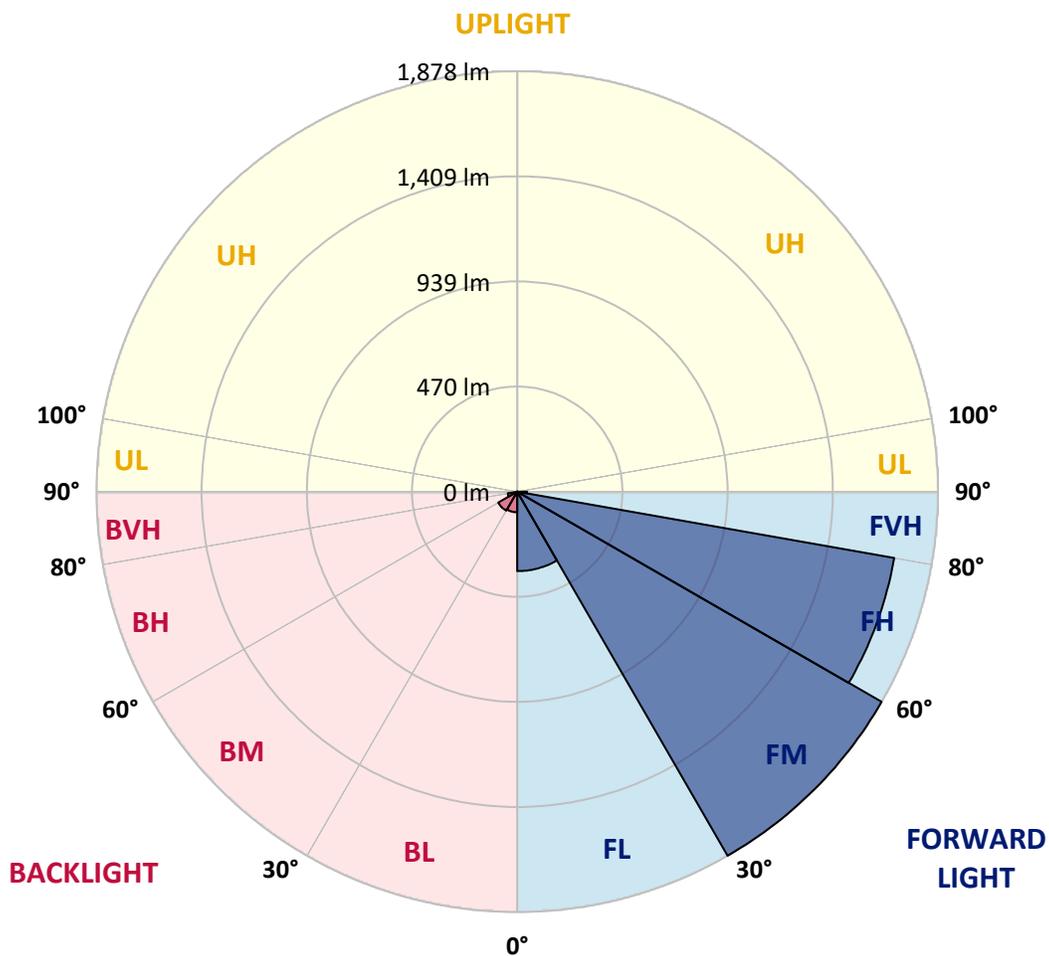
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	354.9	8.4			
FM (30°-60°)	1878.4	44.5			
FH (60°-80°)	1709.0	40.5			G1/1800
FVH (80°-90°)	43.7	1.0			G1/100
BL (0°-30°)	92.2	2.2	B0/110		
BM (30°-60°)	97.9	2.3	B0/220		
BH (60°-80°)	42.6	1.0	B0/110		G0/110
BVH (80°-90°)	2.3	0.1			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G1**

Type III Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5
2.5°	792.7	799.3	801.9	790.8	780.3	772.4	756.7	746.9	731.8	713.5	687.9
5°	909.4	908.7	902.2	893.6	889.0	864.2	837.9	827.5	803.2	757.4	707.6
7.5°	953.3	957.2	961.8	956.5	948.7	935.6	904.8	896.9	861.5	801.9	731.8
10°	932.9	939.5	947.4	961.1	987.3	991.9	968.3	959.8	917.2	851.7	752.1
12.5°	839.3	849.1	862.2	906.7	967.7	1005.7	1010.9	1008.3	972.3	896.3	766.5
15°	714.8	704.3	738.4	799.9	900.2	987.3	1034.5	1036.5	1018.1	938.2	782.3
17.5°	621.1	630.9	646.0	692.5	796.7	921.8	1031.2	1043.7	1052.2	982.7	800.6
20°	605.4	606.0	612.6	638.1	692.5	843.2	1020.1	1049.6	1094.1	1026.6	808.5
22.5°	620.4	616.5	619.8	625.0	659.1	763.3	996.5	1044.3	1119.0	1081.0	824.8
25°	640.1	644.7	638.8	632.2	651.9	727.2	969.0	1018.1	1156.4	1129.5	832.0
27.5°	695.1	697.7	682.0	658.4	665.6	710.8	926.4	997.1	1212.7	1183.9	843.8
30°	784.9	782.3	749.5	710.8	694.5	721.3	899.5	974.2	1242.8	1225.8	837.9
32.5°	851.7	846.5	814.4	774.4	745.6	761.3	899.5	976.8	1303.8	1299.2	849.1
35°	912.0	907.4	867.4	835.3	810.4	824.8	950.0	1019.4	1390.9	1435.4	888.4
37.5°	977.5	965.0	933.6	877.9	870.0	925.7	1058.7	1116.4	1529.1	1561.9	889.7
40°	1081.0	1070.5	1020.1	962.4	919.8	1001.1	1143.9	1198.9	1626.8	1663.4	884.5
42.5°	1223.2	1198.3	1136.0	1052.2	984.0	1041.7	1153.7	1210.7	1700.8	1821.3	934.9
45°	1377.8	1370.6	1284.1	1176.0	1103.9	1096.7	1257.9	1320.8	1865.2	2076.2	1044.3
47.5°	1601.2	1544.9	1430.9	1315.6	1254.0	1205.5	1417.8	1513.4	2065.7	2374.3	1207.5
50°	1836.4	1803.6	1630.0	1470.8	1395.5	1377.8	1670.6	1757.1	2322.5	2709.7	1479.3
52.5°	2237.4	2162.0	1927.5	1727.0	1596.6	1579.6	1945.8	2056.5	2612.1	3110.0	1753.9
55°	2507.3	2460.8	2224.9	2073.6	1902.6	1850.8	2335.6	2456.8	2966.5	3459.2	2028.4
57.5°	2593.8	2536.8	2324.5	2287.8	2248.5	2278.0	2739.9	2840.8	3212.2	3731.8	2271.4
60°	2247.2	2245.2	2124.0	2219.7	2414.3	2754.9	3217.5	3262.0	3411.4	3898.8	2422.8
62.5°	1616.3	1611.0	1635.3	1872.4	2235.4	3077.9	3874.6	3824.8	3584.4	3991.9	2504.7
65°	837.9	841.9	963.7	1276.2	1798.4	3053.0	4476.0	4413.1	3691.2	3934.9	2447.0
67.5°	408.8	405.5	484.8	742.3	1187.8	2606.9	4682.4	4711.9	3858.9	3725.9	2238.7
70°	203.8	206.4	264.0	391.8	648.6	1872.4	4324.0	4449.2	3704.3	3281.0	1906.5
72.5°	143.5	145.4	179.5	232.6	303.3	1136.7	3588.9	3804.5	3091.7	2610.1	1343.7
75°	102.9	106.1	131.7	173.6	168.4	570.6	2773.9	2901.7	2241.3	1611.7	712.2
77.5°	74.7	79.3	102.9	133.7	116.6	239.8	1920.9	1917.6	1264.5	765.9	288.3
80°	49.1	52.4	76.0	98.9	83.2	111.4	1125.6	1060.0	559.5	293.5	104.8
82.5°	27.5	28.8	51.1	68.8	57.7	52.4	503.2	463.9	189.3	107.4	49.1
85°	2.0	3.3	30.1	43.2	30.8	26.2	140.9	127.8	60.9	49.1	26.2
87.5°	0.0	0.0	3.9	7.9	5.2	3.9	34.1	29.5	18.3	28.8	13.1
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°	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5	671.5
2.5°	677.4	659.1	631.6	604.7	578.5	554.9	537.9	520.8	513.6	497.3	525.4
5°	681.4	648.6	583.1	519.5	464.5	405.5	366.9	339.4	325.6	313.2	313.8
7.5°	685.3	635.5	534.6	427.2	347.9	285.6	250.9	238.5	233.2	226.7	226.7
10°	680.7	614.5	465.2	336.1	255.5	222.1	203.1	198.5	201.1	200.5	202.4
12.5°	680.7	589.6	394.4	262.1	209.7	190.0	184.8	184.1	188.0	190.7	192.0
15°	672.2	551.6	323.6	214.9	183.4	176.2	174.3	174.3	176.9	179.5	178.9
17.5°	665.0	513.6	264.7	184.8	167.7	165.8	164.4	163.1	166.4	169.0	169.7
20°	647.3	460.6	218.2	166.4	157.2	154.6	154.0	152.7	155.9	158.5	160.5
22.5°	621.7	400.3	186.7	152.7	148.1	144.8	142.8	143.5	146.8	149.4	148.1
25°	587.7	347.2	163.8	142.8	136.3	134.3	131.7	133.0	133.7	136.3	138.2
27.5°	550.3	295.5	148.7	135.0	128.4	124.5	121.2	120.5	121.2	124.5	123.2
30°	495.3	250.3	138.2	125.8	118.6	113.3	109.4	107.4	106.8	107.4	108.1
32.5°	453.4	220.1	131.0	118.6	109.4	102.9	98.3	94.3	93.0	91.7	91.7
35°	426.5	203.8	123.8	108.8	100.2	93.7	86.5	81.9	79.3	78.0	78.6
37.5°	368.9	175.6	115.3	101.5	91.7	83.9	76.7	69.4	67.5	68.8	68.8
40°	320.4	150.7	107.4	93.0	81.9	74.7	66.8	58.3	57.0	60.9	61.6
42.5°	302.0	139.5	100.2	85.2	73.4	67.5	57.0	50.4	50.4	53.7	54.4
45°	324.3	136.3	93.7	78.0	66.2	59.6	49.1	43.2	43.2	46.5	47.2
47.5°	395.1	141.5	87.1	70.8	60.9	52.4	40.6	38.0	38.0	39.3	40.0
50°	545.1	158.5	80.6	63.6	55.7	44.6	35.4	32.8	32.1	32.8	32.8
52.5°	735.7	192.6	73.4	57.0	49.1	37.3	30.8	28.2	26.2	26.2	25.6
55°	928.4	229.3	66.2	50.4	42.6	32.1	26.2	23.6	20.3	19.0	18.3
57.5°	1098.0	258.8	57.7	44.6	36.7	27.5	22.9	17.7	13.1	10.5	10.5
60°	1203.5	266.6	49.8	38.7	30.1	23.6	18.3	11.8	6.6	5.2	4.6
62.5°	1223.2	241.8	42.6	32.8	25.6	19.7	13.1	6.6	2.6	0.7	0.7
65°	1170.1	190.7	36.7	27.5	21.0	15.7	8.5	3.3	0.0	0.0	0.0
67.5°	1081.0	150.0	30.8	22.9	17.7	12.4	5.2	0.7	0.0	0.0	0.0
70°	942.8	119.9	26.9	19.7	15.1	10.5	3.3	0.0	0.0	0.0	0.0
72.5°	694.5	79.3	23.6	17.7	13.1	7.9	2.0	0.0	0.0	0.0	0.0
75°	380.0	50.4	21.6	16.4	12.4	6.6	1.3	0.0	0.0	0.0	0.0
77.5°	154.0	35.4	19.0	15.7	12.4	6.6	1.3	0.0	0.0	0.0	0.0
80°	58.3	24.9	16.4	13.8	11.8	6.6	1.3	0.0	0.0	0.0	0.0
82.5°	30.8	20.3	15.7	13.8	11.1	5.9	0.7	0.0	0.0	0.0	0.0
85°	15.1	6.6	7.9	7.9	9.2	5.2	0.7	0.0	0.0	0.0	0.0
87.5°	3.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
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)