

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: P1208666

Luminaire Tested: UPW-SA1-070-827-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208666  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-070-827-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 1200mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4438 lumens  
Efficiency: N/A  
Efficacy: 67.2 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B0 - U0 - G2

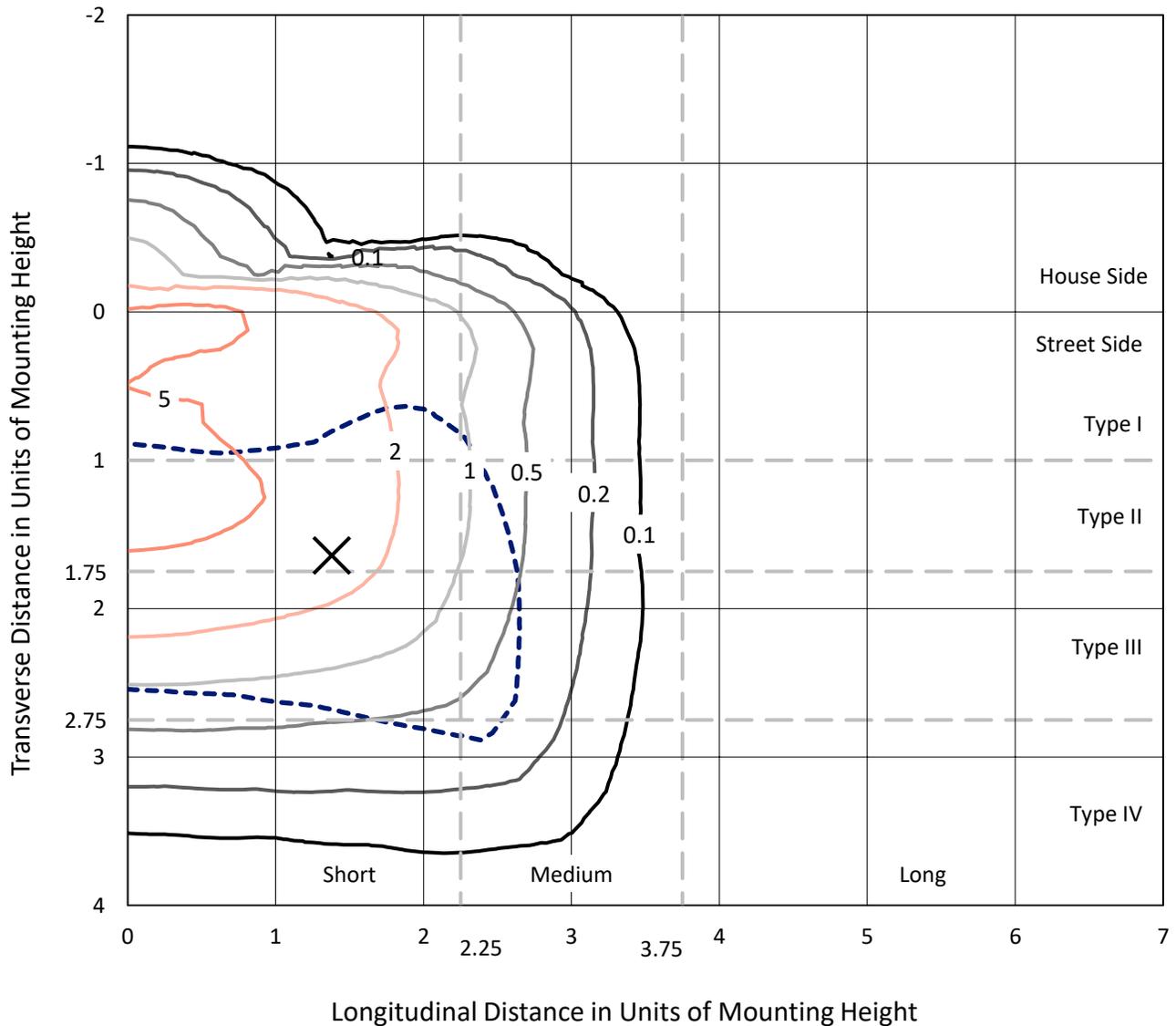
Input Watts (W): 66  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

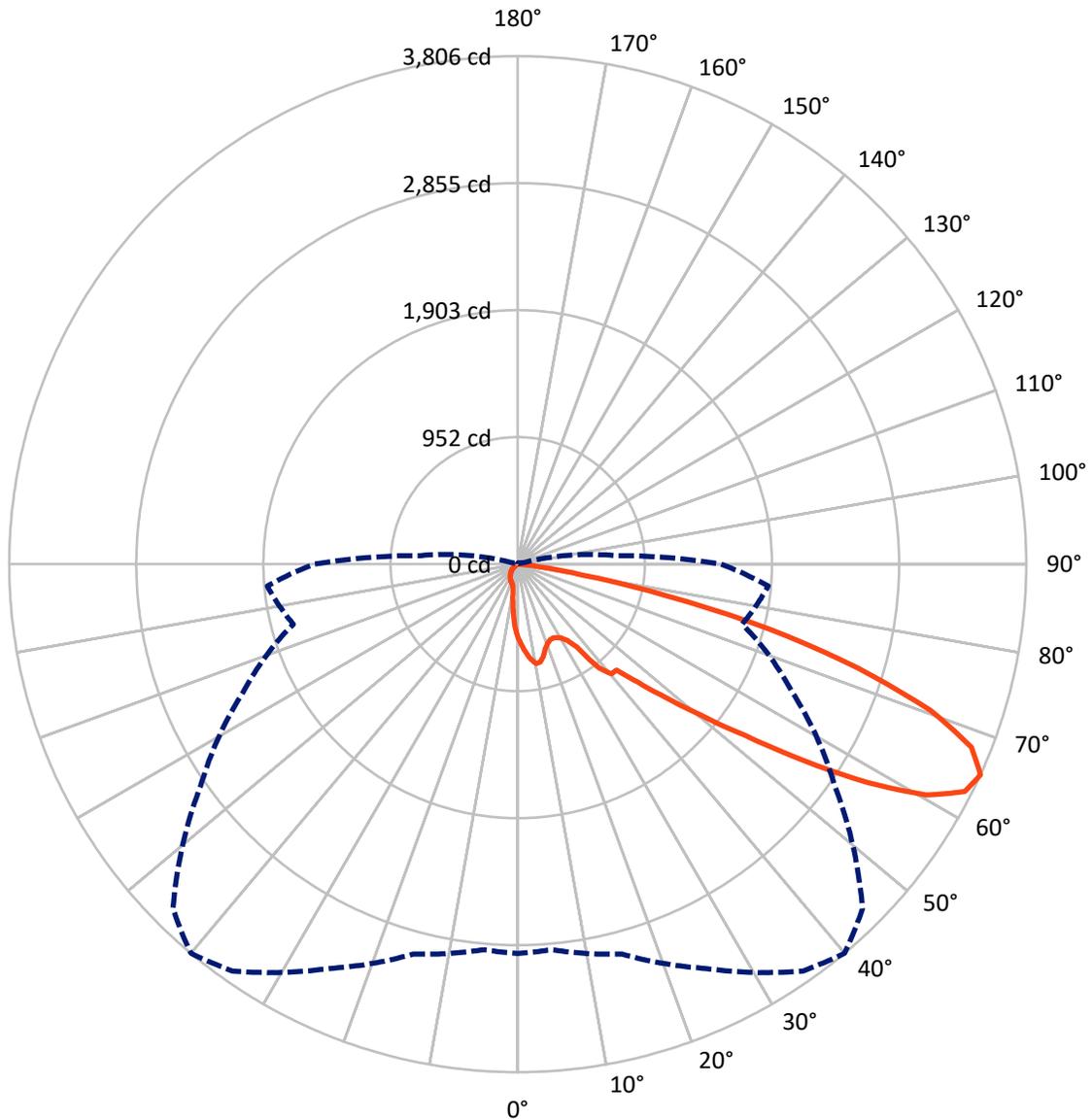
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.3 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 40-Deg Lateral    - - - Horizontal Cone Through 65-Deg Vertical

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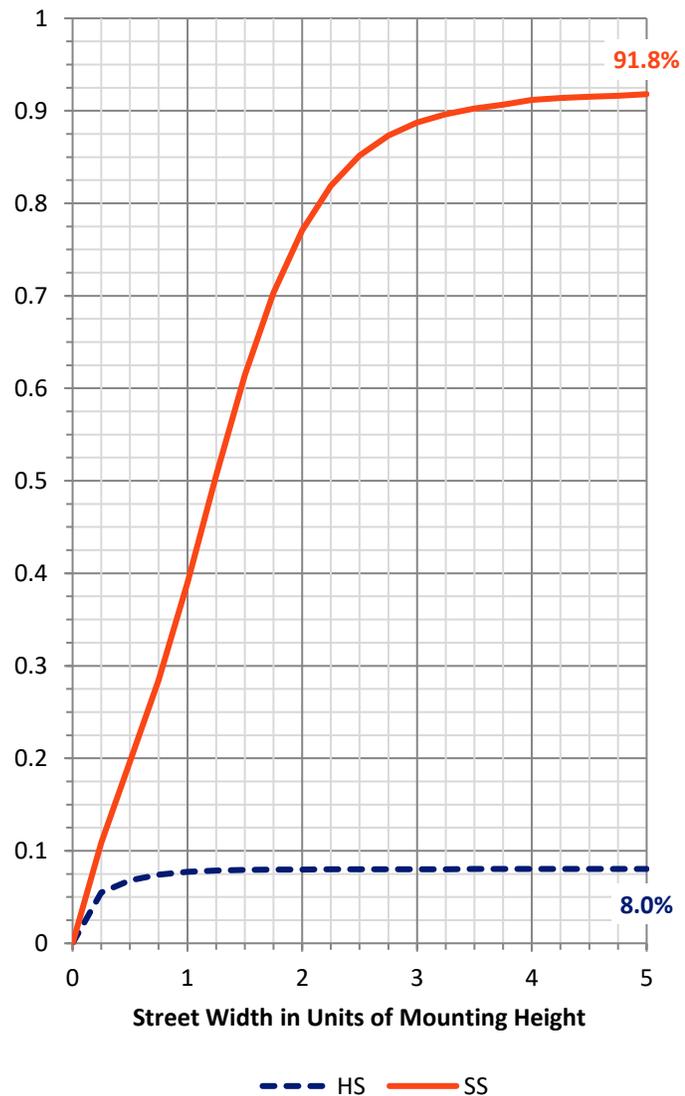
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	359.2	0.0	359.2
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	4078.8	0.0	4078.8
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	4438.0	0.0	4438.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	50.9	1.1
10°-20°	142.9	3.2
20°-30°	223.1	5.0
30°-40°	369.7	8.3
40°-50°	626.9	14.1
50°-60°	1104.2	24.9
60°-70°	1375.4	31.0
70°-80°	516.9	11.6
80°-90°	28.0	0.6
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°	4438.0	100.0
0°-180°	4438.0	100.0



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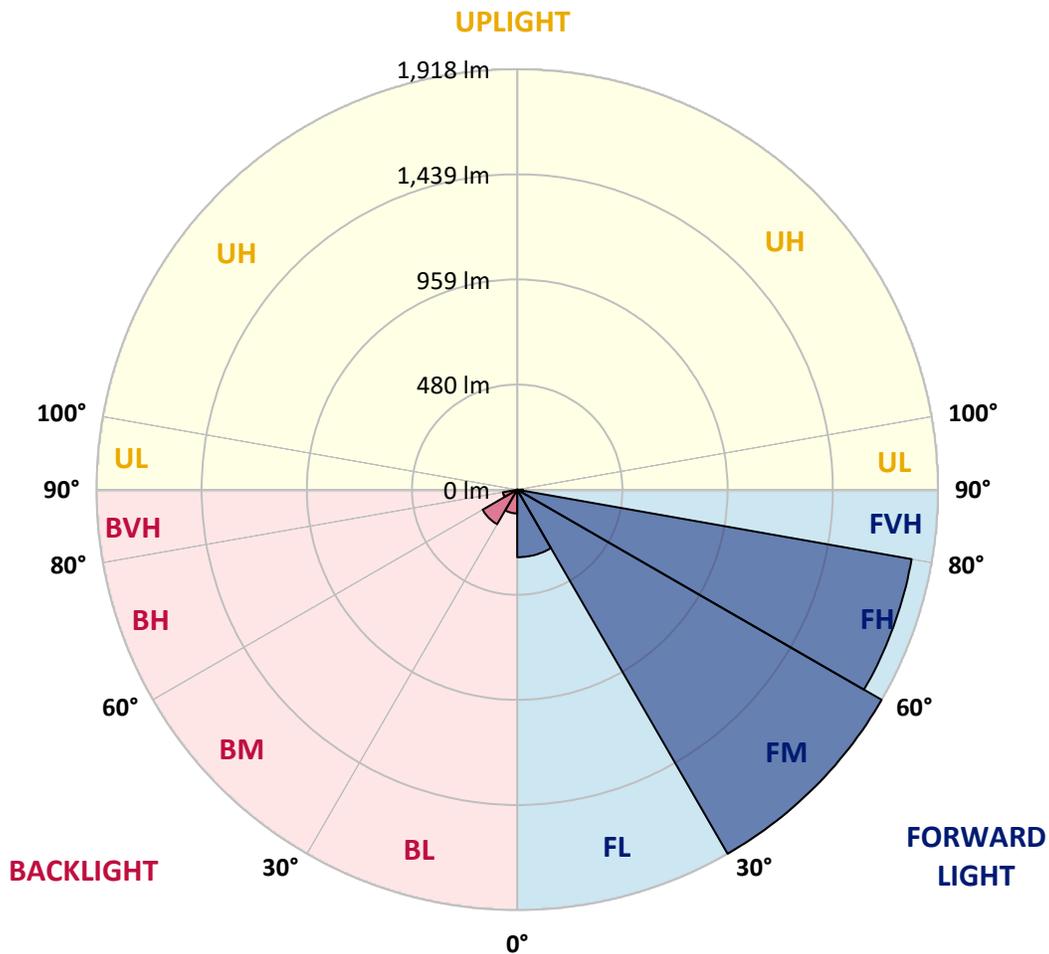
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	308.2	6.9			
FM	(30°-60°)	1918.5	43.2			
FH	(60°-80°)	1826.0	41.1			G2/5000
FVH	(80°-90°)	26.2	0.6			G1/100
BL	(0°-30°)	108.7	2.4	B0/110		
BM	(30°-60°)	182.4	4.1	B0/220		
BH	(60°-80°)	66.3	1.5	B0/110		G0/110
BVH	(80°-90°)	1.8	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B0-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2
2.5°	627.4	622.2	620.9	618.3	611.7	611.1	609.8	598.0	589.5	581.0	567.9
5°	688.2	684.3	681.0	680.4	675.8	669.9	668.6	652.3	636.6	618.9	591.5
7.5°	732.6	728.7	728.7	728.7	723.5	721.5	721.5	704.5	689.5	662.7	625.5
10°	741.8	739.2	741.8	748.3	754.9	757.5	760.1	756.2	743.8	714.3	669.3
12.5°	718.9	716.3	718.9	728.7	741.1	753.6	769.9	790.8	795.4	775.1	716.3
15°	696.0	692.8	687.6	685.6	698.7	717.6	739.8	796.7	838.5	832.6	770.6
17.5°	681.7	681.0	668.6	651.6	652.9	667.3	696.0	773.2	859.4	884.3	820.9
20°	667.9	666.0	652.3	628.1	622.8	635.9	660.1	740.5	855.5	932.0	873.2
22.5°	660.8	658.1	639.8	611.1	605.9	617.6	639.2	705.2	835.9	960.1	922.8
25°	669.3	667.3	641.1	607.8	603.2	613.0	632.0	686.2	810.4	970.5	962.7
27.5°	698.0	694.1	659.4	619.6	613.7	622.8	638.5	679.7	788.2	966.6	994.7
30°	796.0	781.0	729.4	654.9	636.6	642.5	654.9	688.2	773.8	961.4	1030.7
32.5°	986.2	978.4	892.1	756.8	687.6	682.3	690.8	714.3	783.6	988.8	1097.3
35°	1316.9	1307.1	1184.9	969.9	790.8	762.1	756.8	777.1	858.1	996.0	1108.4
37.5°	1574.4	1565.3	1462.7	1301.2	1080.3	986.9	926.1	917.6	862.7	962.7	1122.2
40°	1699.9	1684.2	1533.9	1316.3	1151.6	1081.6	1014.3	877.1	815.6	943.1	1157.5
42.5°	2003.2	1960.0	1782.9	1510.4	1213.0	1084.9	966.0	820.9	832.6	963.4	1212.4
45°	2340.4	2343.0	2128.7	1766.6	1414.3	1261.4	1112.4	888.2	893.4	1015.0	1284.9
47.5°	2729.3	2684.2	2457.4	2091.4	1665.9	1492.7	1326.1	1005.2	979.7	1098.0	1382.3
50°	3012.3	2983.5	2807.1	2462.0	1976.4	1779.7	1560.7	1181.0	1120.9	1193.4	1481.0
52.5°	3168.5	3161.9	3073.7	2797.3	2360.7	2131.9	1845.7	1386.9	1293.4	1298.6	1554.2
55°	3291.4	3273.7	3269.8	3134.5	2795.3	2594.0	2221.5	1666.6	1512.3	1401.2	1627.4
57.5°	3414.9	3394.6	3411.6	3387.4	3262.6	3089.4	2672.4	1970.5	1703.2	1510.4	1715.0
60°	3416.8	3396.6	3444.3	3546.2	3601.8	3512.3	3129.9	2302.5	1913.6	1622.1	1833.9
62.5°	3259.3	3239.1	3320.8	3533.2	3765.2	3754.1	3484.8	2620.8	2123.4	1733.9	1932.6
65°	2916.2	2899.9	3024.7	3343.0	3721.4	3806.4	3650.2	2897.3	2265.9	1739.1	1881.6
67.5°	2224.1	2253.5	2465.2	2904.4	3494.0	3664.5	3626.6	2969.8	2196.0	1581.0	1687.5
70°	1435.2	1488.8	1725.4	2243.7	2973.1	3277.6	3297.2	2636.5	1837.8	1285.6	1267.9
72.5°	764.0	773.8	992.1	1451.6	2260.7	2660.7	2690.1	1984.9	1257.5	854.2	692.1
75°	334.6	361.4	485.6	816.3	1506.5	1949.6	1862.0	1189.5	649.0	390.8	268.0
77.5°	120.3	130.1	188.9	399.3	850.3	1141.1	1063.4	565.3	262.1	173.2	78.4
80°	58.2	58.8	75.8	152.3	355.5	481.0	418.3	200.0	119.6	97.4	30.7
82.5°	19.6	24.2	43.1	60.1	132.0	164.0	120.9	74.5	71.2	73.9	21.6
85°	0.0	0.7	21.6	32.7	34.0	38.6	30.7	32.7	43.8	44.4	7.2
87.5°	0.0	0.0	0.0	6.5	7.2	7.2	3.9	7.8	18.3	21.6	1.3
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°	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2	554.2
2.5°	560.1	552.3	536.6	523.5	505.9	493.4	480.4	474.5	470.6	454.2	452.9
5°	576.4	558.8	522.9	483.6	445.1	407.2	371.2	351.0	333.3	326.1	317.6
7.5°	600.6	573.8	510.4	443.1	370.6	311.8	271.9	249.7	231.4	228.1	225.5
10°	634.0	593.4	500.0	390.8	288.9	233.3	200.6	186.3	180.4	179.1	177.1
12.5°	670.6	618.3	488.2	330.1	226.1	179.1	165.4	165.4	168.6	169.9	169.9
15°	717.6	647.0	466.0	275.8	181.7	156.9	156.2	158.8	162.1	163.4	164.0
17.5°	758.8	677.1	437.9	226.1	156.2	149.0	150.3	152.3	155.5	158.2	158.2
20°	803.2	704.5	409.1	186.3	143.8	141.8	143.1	145.7	149.7	151.6	152.3
22.5°	842.4	726.1	375.8	160.1	135.3	135.3	137.2	139.9	144.4	147.7	147.7
25°	875.1	743.1	339.9	142.5	127.4	128.1	130.1	134.0	138.6	141.8	142.5
27.5°	900.6	751.6	298.7	128.1	119.6	119.6	122.9	127.4	133.3	137.2	137.2
30°	933.3	764.7	267.3	117.6	111.1	111.1	113.7	119.6	127.4	132.7	132.7
32.5°	982.3	787.5	234.0	108.5	103.3	103.3	105.9	111.1	118.9	125.5	126.8
35°	990.2	777.1	200.0	101.3	96.1	95.4	96.7	101.3	107.8	112.4	114.4
37.5°	1002.6	777.1	168.0	93.5	88.9	88.2	88.9	90.8	93.5	94.8	94.1
40°	1030.0	782.3	141.2	86.9	82.3	81.0	80.4	79.7	77.1	73.9	73.2
42.5°	1073.2	796.0	118.3	79.7	75.2	73.9	71.9	67.3	61.4	56.9	56.9
45°	1124.8	808.5	99.3	73.9	68.6	67.3	61.4	54.2	47.1	43.8	43.8
47.5°	1188.2	823.5	84.3	68.6	63.4	60.1	50.3	41.8	35.9	34.6	34.6
50°	1261.4	832.6	71.2	62.7	58.2	52.3	39.9	32.7	28.1	27.4	27.4
52.5°	1312.4	832.0	60.8	57.5	52.9	43.8	32.0	26.1	22.9	21.6	21.6
55°	1361.4	822.8	51.0	51.0	45.7	35.3	26.1	21.6	18.3	17.0	16.3
57.5°	1420.9	818.3	43.8	42.5	37.3	28.8	21.6	17.6	14.4	11.8	11.1
60°	1515.6	826.1	36.6	34.0	29.4	22.9	17.6	13.7	10.5	7.2	6.5
62.5°	1579.0	818.3	30.1	27.4	23.5	18.3	13.1	9.8	5.9	3.9	3.3
65°	1520.2	730.7	25.5	22.2	19.0	14.4	9.8	6.5	2.6	0.7	0.0
67.5°	1314.3	583.6	21.6	18.3	15.0	11.1	7.2	3.9	0.7	0.0	0.0
70°	955.5	393.4	19.0	15.0	11.8	9.1	5.2	2.0	0.0	0.0	0.0
72.5°	500.0	185.0	17.0	13.7	10.5	7.2	3.9	1.3	0.0	0.0	0.0
75°	175.2	66.7	15.7	13.1	9.1	5.9	3.3	1.3	0.0	0.0	0.0
77.5°	54.9	30.1	15.7	13.7	9.8	5.9	3.3	1.3	0.0	0.0	0.0
80°	24.8	19.6	14.4	13.1	9.1	5.9	3.3	0.7	0.0	0.0	0.0
82.5°	17.6	15.7	13.7	11.8	8.5	5.2	2.6	0.7	0.0	0.0	0.0
85°	6.5	5.2	5.2	6.5	5.9	3.3	1.3	0.0	0.0	0.0	0.0
87.5°	0.7	0.7	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)