

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: P1208261

Luminaire Tested: UPW-SA1-060-727-U-SL4-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1208261  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-6)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-060-727-U-SL4-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 70 CRI, 2700K, 1050mA 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: 4602 lumens  
Efficiency: N/A  
Efficacy: 78.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - G2

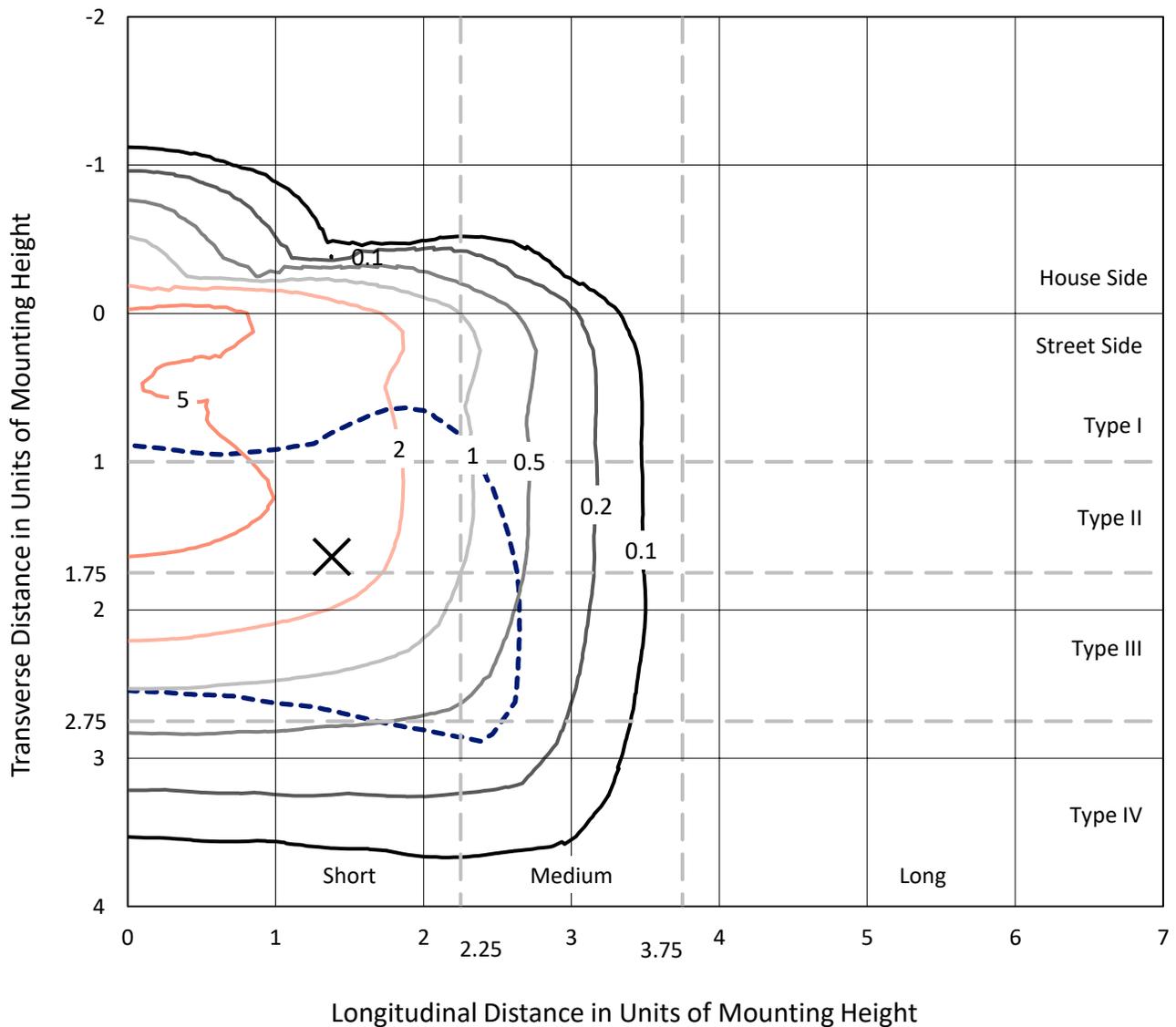
Input Watts (W): 59  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

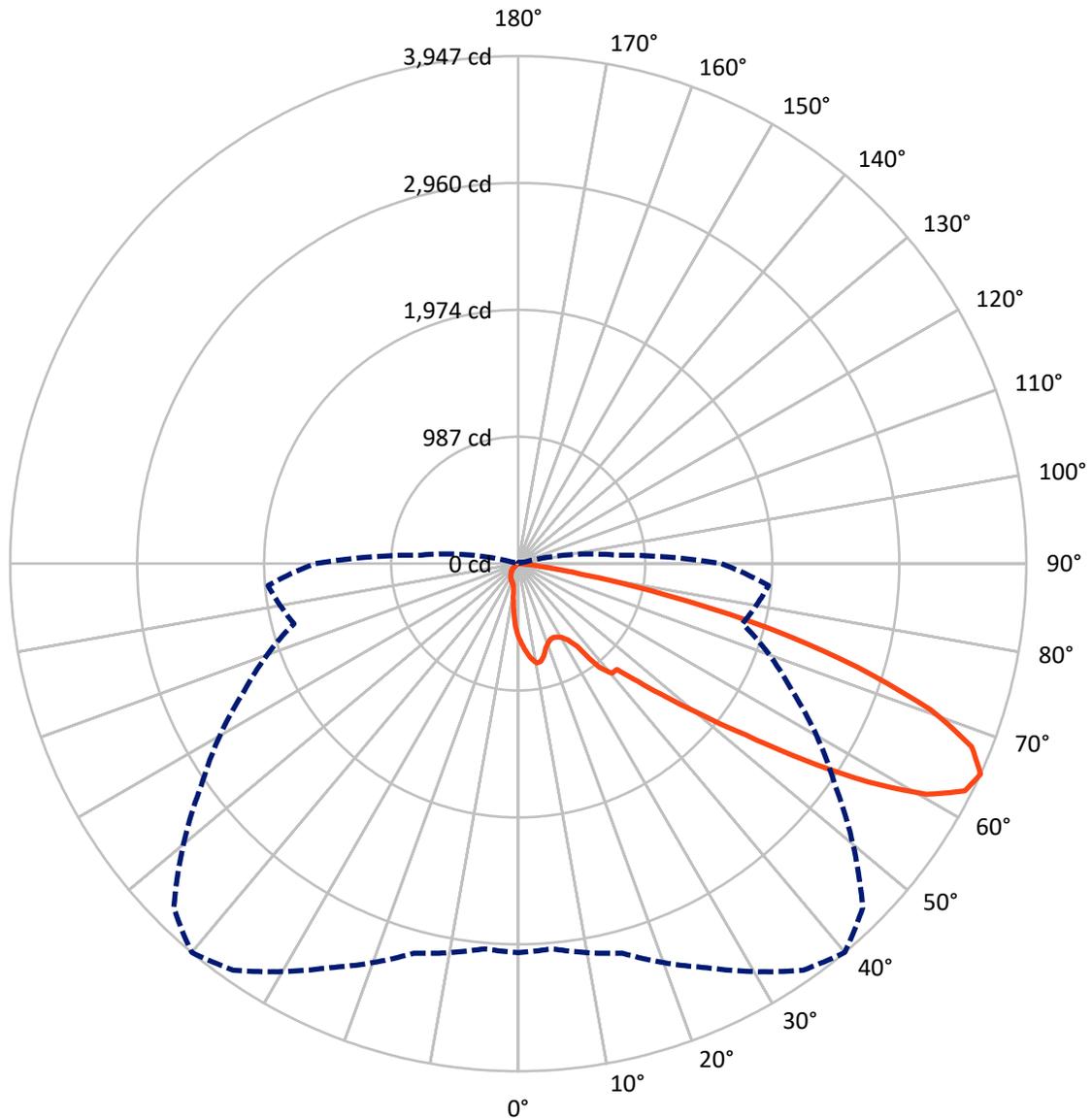
✕ Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 8.6 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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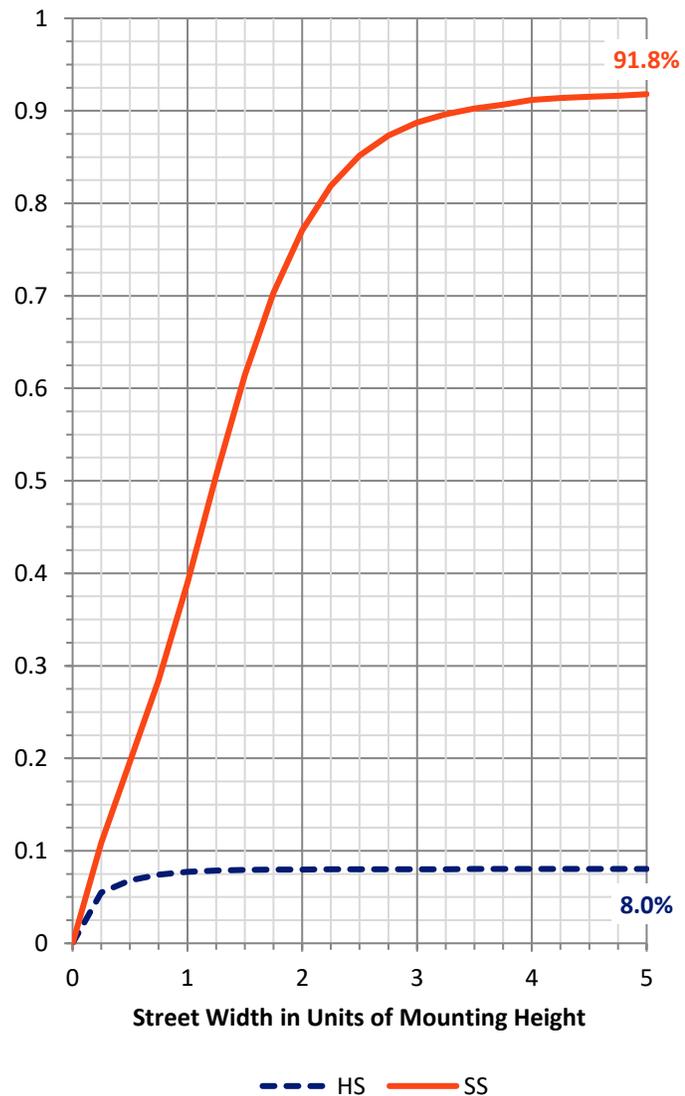
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	372.5	0.0	372.5
	% Fixture	8.1	0.0	8.1
<b>Street Side</b>	Lumens	4229.6	0.0	4229.6
	% Fixture	91.9	0.0	91.9
<b>Total</b>	Lumens	4602.0	0.0	4602.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	52.7	1.1
10°-20°	148.2	3.2
20°-30°	231.3	5.0
30°-40°	383.4	8.3
40°-50°	650.1	14.1
50°-60°	1145.0	24.9
60°-70°	1426.2	31.0
70°-80°	536.0	11.6
80°-90°	29.0	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°	4602.0	100.0
0°-180°	4602.0	100.0



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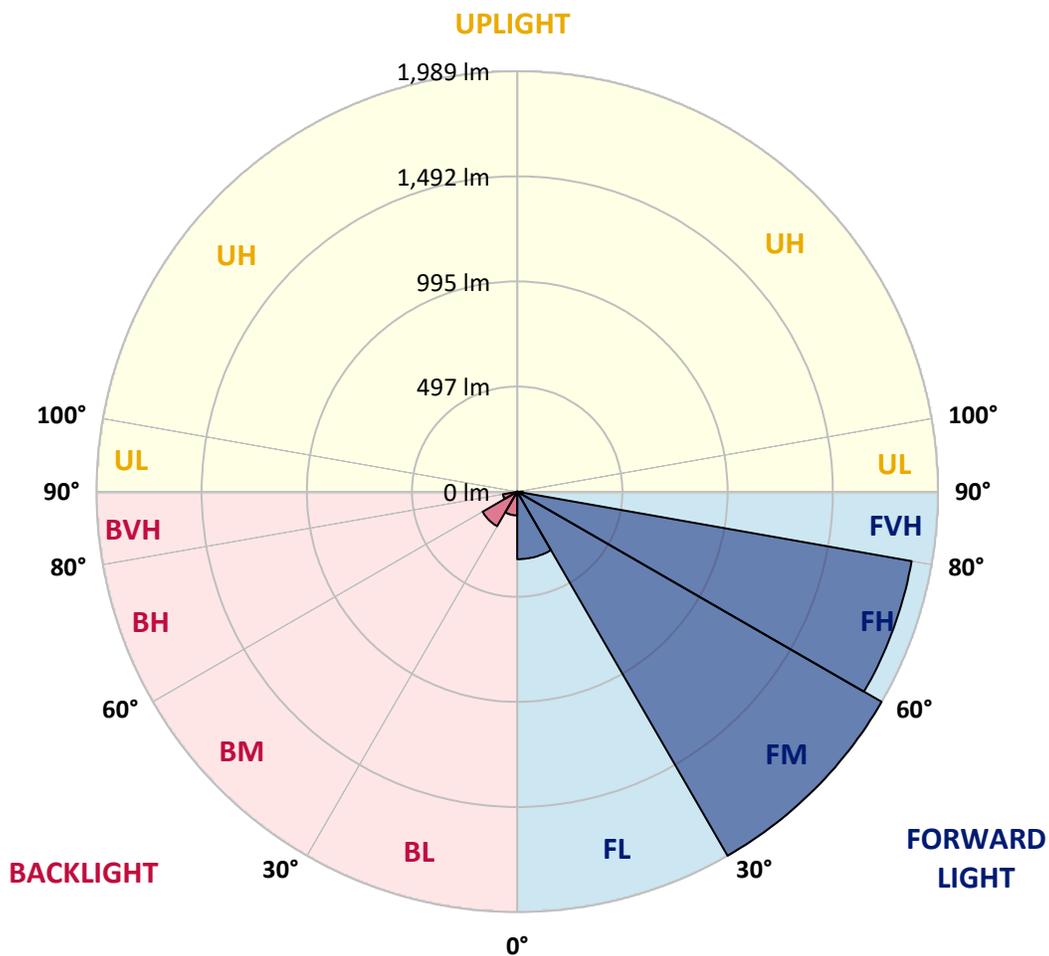
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	319.6	6.9			
FM	(30°-60°)	1989.4	43.2			
FH	(60°-80°)	1893.5	41.1			G2/5000
FVH	(80°-90°)	27.1	0.6			G1/100
BL	(0°-30°)	112.7	2.4	B1/500		
BM	(30°-60°)	189.1	4.1	B0/220		
BH	(60°-80°)	68.7	1.5	B0/110		G0/110
BVH	(80°-90°)	1.9	0.0			G0/10
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B1-U0-G2**

Type IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	40°	45°	55°	65°	75°	85°
0°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7
2.5°	650.6	645.2	643.8	641.1	634.3	633.7	632.3	620.1	611.3	602.5	588.9
5°	713.6	709.6	706.2	705.5	700.8	694.7	693.3	676.4	660.1	641.8	613.3
7.5°	759.7	755.7	755.7	755.7	750.2	748.2	748.2	730.6	715.0	687.2	648.6
10°	769.2	766.5	769.2	776.0	782.8	785.5	788.2	784.1	771.2	740.7	694.0
12.5°	745.5	742.8	745.5	755.7	768.5	781.4	798.4	820.0	824.8	803.8	742.8
15°	721.8	718.4	713.0	710.9	724.5	744.1	767.2	826.1	869.5	863.4	799.0
17.5°	706.9	706.2	693.3	675.7	677.0	691.9	721.8	801.7	891.2	917.0	851.2
20°	692.6	690.6	676.4	651.3	645.9	659.4	684.5	767.9	887.1	966.4	905.4
22.5°	685.2	682.5	663.5	633.7	628.2	640.4	662.8	731.3	866.8	995.6	956.9
25°	694.0	691.9	664.8	630.3	625.5	635.7	655.4	711.6	840.4	1006.4	998.3
27.5°	723.8	719.7	683.8	642.5	636.4	645.9	662.1	704.8	817.3	1002.3	1031.5
30°	825.5	809.9	756.3	679.1	660.1	666.2	679.1	713.6	802.4	996.9	1068.8
32.5°	1022.7	1014.5	925.1	784.8	713.0	707.5	716.3	740.7	812.6	1025.4	1137.9
35°	1365.6	1355.4	1228.7	1005.7	820.0	790.2	784.8	805.8	889.8	1032.8	1149.4
37.5°	1632.6	1623.1	1516.7	1349.3	1120.3	1023.4	960.3	951.5	894.6	998.3	1163.6
40°	1762.7	1746.5	1590.6	1364.9	1194.1	1121.6	1051.8	909.5	845.8	977.9	1200.2
42.5°	2077.2	2032.5	1848.8	1566.2	1257.8	1125.0	1001.7	851.2	863.4	999.0	1257.2
45°	2426.9	2429.6	2207.3	1831.9	1466.6	1308.0	1153.5	921.0	926.4	1052.5	1332.4
47.5°	2830.1	2783.4	2548.2	2168.7	1727.5	1547.9	1375.1	1042.3	1015.9	1138.6	1433.4
50°	3123.6	3093.8	2910.8	2553.0	2049.4	1845.4	1618.4	1224.6	1162.3	1237.5	1535.7
52.5°	3285.6	3278.8	3187.3	2900.6	2447.9	2210.7	1913.9	1438.1	1341.2	1346.6	1611.6
55°	3413.0	3394.7	3390.6	3250.3	2898.6	2689.9	2303.6	1728.2	1568.2	1453.0	1687.5
57.5°	3541.1	3520.1	3537.7	3512.6	3383.2	3203.6	2771.2	2043.3	1766.1	1566.2	1778.3
60°	3543.1	3522.1	3571.6	3677.3	3734.9	3642.0	3245.6	2387.6	1984.4	1682.1	1901.7
62.5°	3379.8	3358.8	3443.5	3663.7	3904.3	3892.8	3613.6	2717.6	2201.9	1798.0	2004.0
65°	3024.0	3007.0	3136.5	3466.5	3858.9	3947.0	3785.0	3004.3	2349.6	1803.4	1951.1
67.5°	2306.3	2336.8	2556.3	3011.8	3623.1	3800.0	3760.6	3079.5	2277.1	1639.4	1749.9
70°	1488.3	1543.8	1789.2	2326.6	3082.9	3398.7	3419.1	2733.9	1905.7	1333.1	1314.8
72.5°	792.3	802.4	1028.8	1505.2	2344.2	2759.0	2789.5	2058.2	1303.9	885.8	717.7
75°	347.0	374.8	503.5	846.5	1562.1	2021.6	1930.8	1233.4	673.0	405.3	277.9
77.5°	124.7	134.9	195.9	414.1	881.7	1183.3	1102.6	586.2	271.8	179.6	81.3
80°	60.3	61.0	78.6	157.9	368.7	498.8	433.7	207.4	124.0	101.0	31.9
82.5°	20.3	25.1	44.7	62.3	136.9	170.1	125.4	77.3	73.9	76.6	22.4
85°	0.0	0.7	22.4	33.9	35.2	40.0	31.9	33.9	45.4	46.1	7.5
87.5°	0.0	0.0	0.0	6.8	7.5	7.5	4.1	8.1	19.0	22.4	1.4
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°	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7	574.7
2.5°	580.8	572.7	556.4	542.9	524.6	511.7	498.1	492.0	488.0	471.0	469.7
5°	597.7	579.4	542.2	501.5	461.5	422.2	384.9	363.9	345.6	338.2	329.4
7.5°	622.8	595.0	529.3	459.5	384.3	323.3	281.9	258.9	239.9	236.5	233.8
10°	657.4	615.4	518.5	405.3	299.6	241.9	208.1	193.1	187.0	185.7	183.7
12.5°	695.3	641.1	506.3	342.2	234.5	185.7	171.5	171.5	174.9	176.2	176.2
15°	744.1	670.9	483.2	286.0	188.4	162.7	162.0	164.7	168.1	169.4	170.1
17.5°	786.8	702.1	454.1	234.5	162.0	154.5	155.9	157.9	161.3	164.0	164.0
20°	832.9	730.6	424.3	193.1	149.1	147.1	148.4	151.1	155.2	157.2	157.9
22.5°	873.6	752.9	389.7	166.0	140.3	140.3	142.3	145.0	149.8	153.2	153.2
25°	907.5	770.6	352.4	147.7	132.2	132.8	134.9	138.9	143.7	147.1	147.7
27.5°	933.9	779.4	309.7	132.8	124.0	124.0	127.4	132.2	138.3	142.3	142.3
30°	967.8	792.9	277.2	122.0	115.2	115.2	117.9	124.0	132.2	137.6	137.6
32.5°	1018.6	816.6	242.6	112.5	107.1	107.1	109.8	115.2	123.3	130.1	131.5
35°	1026.7	805.8	207.4	105.0	99.6	98.9	100.3	105.0	111.8	116.6	118.6
37.5°	1039.6	805.8	174.2	96.9	92.2	91.5	92.2	94.2	96.9	98.3	97.6
40°	1068.1	811.2	146.4	90.1	85.4	84.0	83.4	82.7	80.0	76.6	75.9
42.5°	1112.8	825.5	122.7	82.7	77.9	76.6	74.5	69.8	63.7	59.0	59.0
45°	1166.4	838.3	103.0	76.6	71.2	69.8	63.7	56.3	48.8	45.4	45.4
47.5°	1232.1	853.9	87.4	71.2	65.7	62.3	52.2	43.4	37.3	35.9	35.9
50°	1308.0	863.4	73.9	65.1	60.3	54.2	41.3	33.9	29.1	28.5	28.5
52.5°	1360.9	862.7	63.0	59.6	54.9	45.4	33.2	27.1	23.7	22.4	22.4
55°	1411.7	853.2	52.9	52.9	47.4	36.6	27.1	22.4	19.0	17.6	16.9
57.5°	1473.4	848.5	45.4	44.1	38.6	29.8	22.4	18.3	14.9	12.2	11.5
60°	1571.6	856.6	38.0	35.2	30.5	23.7	18.3	14.2	10.8	7.5	6.8
62.5°	1637.4	848.5	31.2	28.5	24.4	19.0	13.6	10.2	6.1	4.1	3.4
65°	1576.4	757.7	26.4	23.0	19.7	14.9	10.2	6.8	2.7	0.7	0.0
67.5°	1362.9	605.2	22.4	19.0	15.6	11.5	7.5	4.1	0.7	0.0	0.0
70°	990.8	408.0	19.7	15.6	12.2	9.5	5.4	2.0	0.0	0.0	0.0
72.5°	518.5	191.8	17.6	14.2	10.8	7.5	4.1	1.4	0.0	0.0	0.0
75°	181.6	69.1	16.3	13.6	9.5	6.1	3.4	1.4	0.0	0.0	0.0
77.5°	56.9	31.2	16.3	14.2	10.2	6.1	3.4	1.4	0.0	0.0	0.0
80°	25.8	20.3	14.9	13.6	9.5	6.1	3.4	0.7	0.0	0.0	0.0
82.5°	18.3	16.3	14.2	12.2	8.8	5.4	2.7	0.7	0.0	0.0	0.0
85°	6.8	5.4	5.4	6.8	6.1	3.4	1.4	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)