

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: P1207938

Luminaire Tested: UPW-SA1-030-827-U-SL4

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1207938  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-5)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA1-030-827-U-SL4  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(1) 80 CRI, 2700K, 615mA LIGHTSQUARE WITH 16 LEDS AND TYPE IV SPILL LIGHT ELIMINATOR OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 3570 lumens  
Efficiency: N/A  
Efficacy: 105.0 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 0.5' x H: 0')  
IES Classification: Type IV - Short  
BUG Rating: B1 - U0 - 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

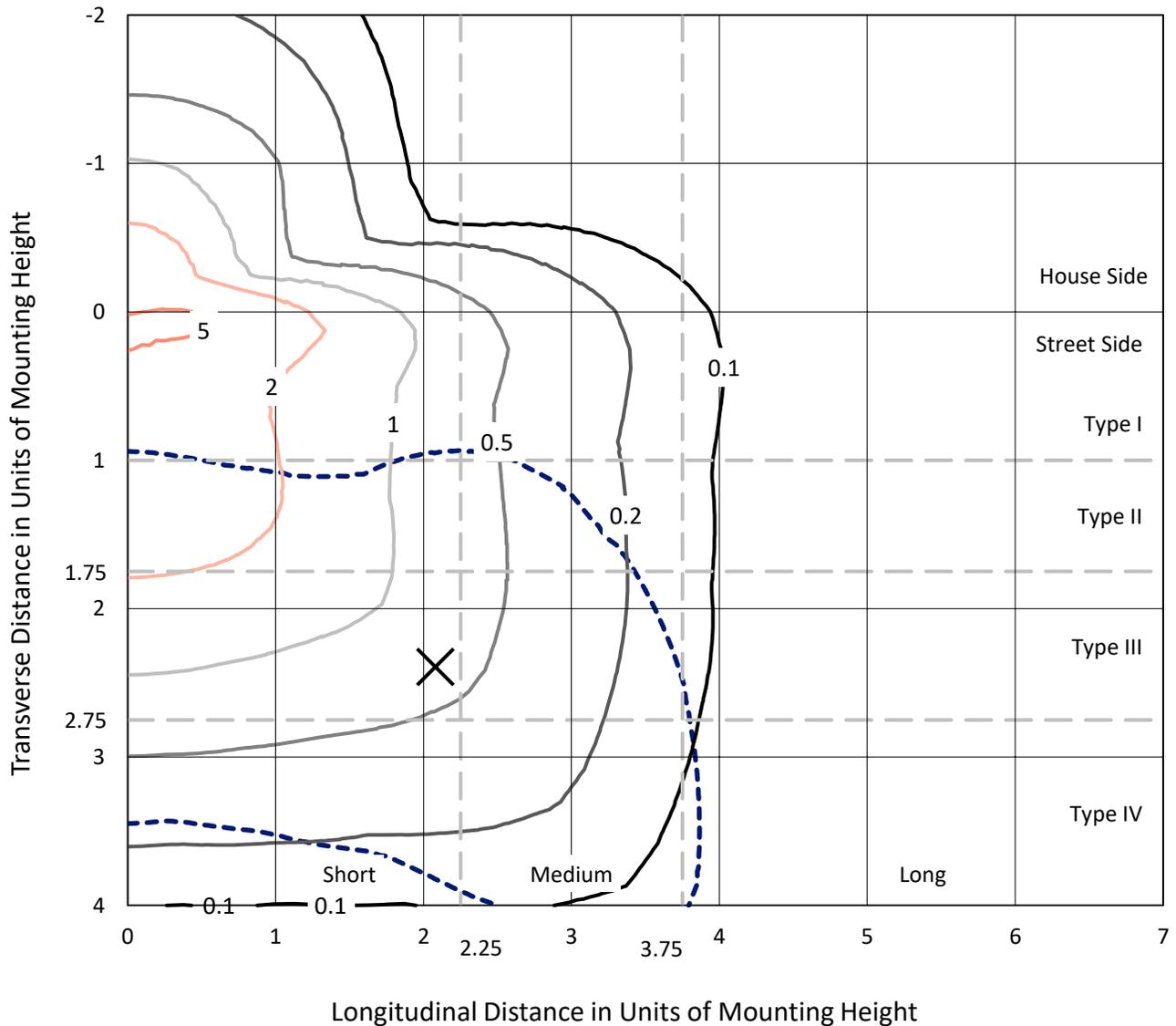


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### Iso-Footcandle Lines of Horizontal Illumination

× Max cd  
 - - - 1/2 Max cd

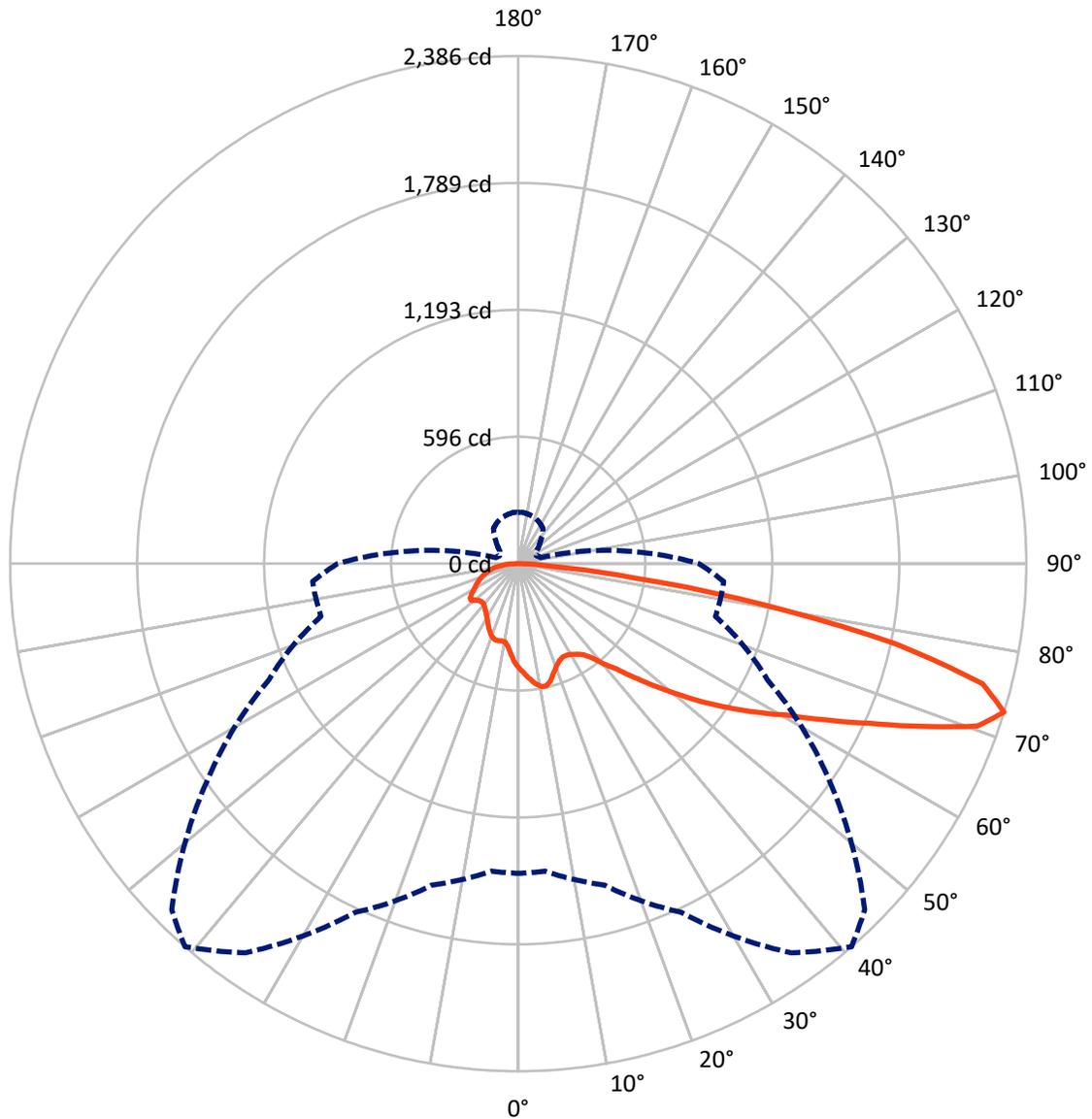


Based on 10 foot mounting height. Maximum calculated value = 5.7 fc  
 Type IV - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 41-Deg Lateral    - - - Horizontal Cone Through 72.5-Deg Vertical

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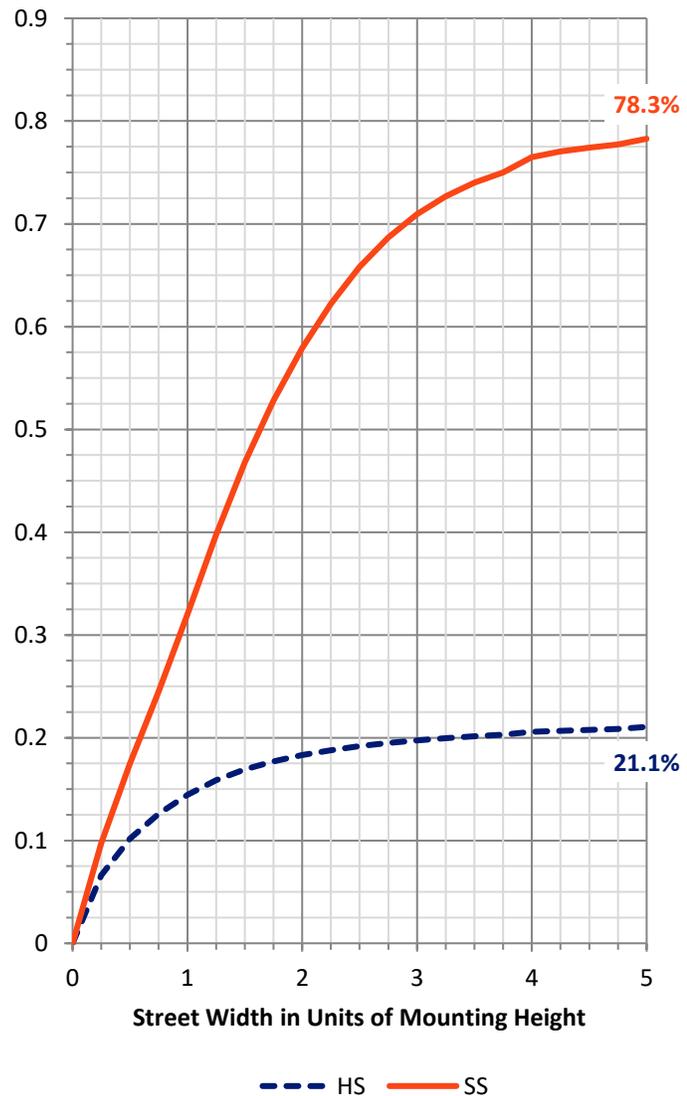
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	772.5	0.0	772.5
	% Fixture	21.6	0.0	21.6
<b>Street Side</b>	Lumens	2797.5	0.0	2797.5
	% Fixture	78.4	0.0	78.4
<b>Total</b>	Lumens	3570.0	0.0	3570.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	46.8	1.3
10°-20°	141.0	3.9
20°-30°	216.7	6.1
30°-40°	297.9	8.3
40°-50°	453.9	12.7
50°-60°	670.3	18.8
60°-70°	880.4	24.7
70°-80°	754.3	21.1
80°-90°	108.7	3.0
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°	3570.0	100.0
0°-180°	3570.0	100.0



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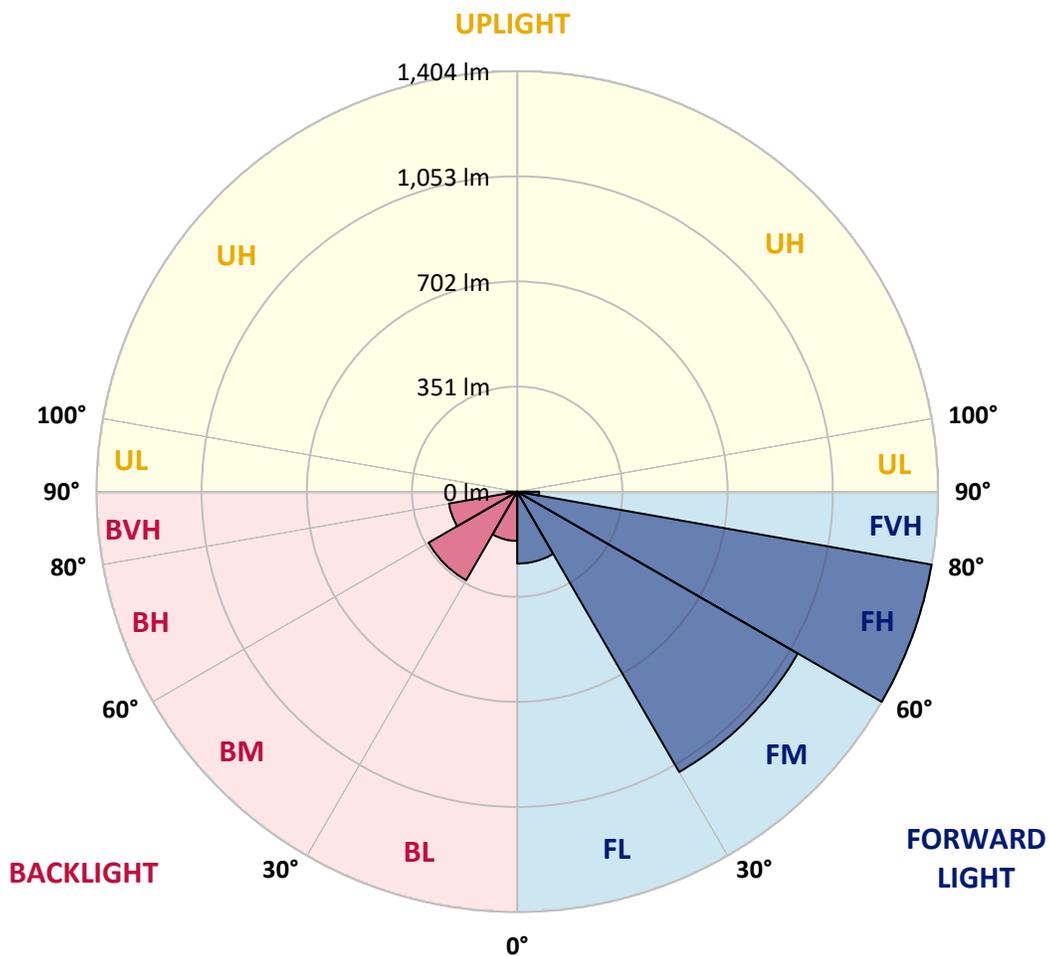
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	240.1	6.7			
FM	(30°-60°)	1080.8	30.3			
FH	(60°-80°)	1403.6	39.3			G1/1800
FVH	(80°-90°)	73.0	2.0			G1/100
BL	(0°-30°)	164.4	4.6	B1/500		
BM	(30°-60°)	341.4	9.6	B1/1000		
BH	(60°-80°)	231.0	6.5	B1/500		G1/500
BVH	(80°-90°)	35.7	1.0			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 IV Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	41°	45°	55°	65°	75°	85°
0°	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7
2.5°	522.5	520.9	520.9	519.7	517.8	515.0	514.6	511.1	507.6	502.5	497.4
5°	552.7	550.4	549.6	548.0	546.0	542.1	542.5	536.2	528.8	519.0	508.7
7.5°	574.3	572.7	572.3	572.7	570.0	568.0	568.0	560.6	553.1	542.5	526.8
10°	581.8	579.8	581.4	584.9	587.6	587.3	589.2	586.5	581.0	571.9	550.0
12.5°	568.4	568.4	569.2	573.9	582.9	590.0	596.3	607.7	612.8	604.9	577.4
15°	548.0	546.8	545.6	547.6	558.6	570.4	583.7	614.3	636.7	636.3	606.5
17.5°	535.8	535.0	526.8	519.0	524.8	538.6	555.5	604.5	652.0	665.0	635.5
20°	528.8	527.2	517.4	501.7	499.3	513.5	526.4	584.5	654.4	692.5	663.0
22.5°	522.9	522.1	509.5	488.7	482.8	494.6	508.0	560.2	645.7	710.5	687.4
25°	525.6	524.1	508.4	483.6	476.6	486.4	498.1	540.9	630.4	720.7	707.0
27.5°	539.0	539.0	518.2	488.7	479.7	486.4	495.4	530.3	613.9	723.5	725.0
30°	569.6	568.4	542.1	506.4	491.9	494.6	500.9	526.8	597.9	718.4	736.8
32.5°	623.4	619.4	586.9	538.2	509.9	507.2	508.4	524.4	581.4	709.3	748.2
35°	721.1	710.5	660.7	594.3	542.1	525.2	520.5	526.8	571.6	703.1	758.8
37.5°	851.4	836.5	774.9	681.1	597.9	561.7	545.6	538.2	570.0	695.6	769.0
40°	975.5	966.5	893.4	783.9	670.1	619.4	593.1	555.5	571.9	690.9	783.1
42.5°	1133.7	1119.2	1034.4	891.9	749.4	676.4	638.3	578.6	584.5	694.0	799.2
45°	1304.0	1301.3	1195.7	1024.6	848.3	760.8	712.5	622.2	608.8	706.6	823.2
47.5°	1488.2	1475.6	1364.9	1178.8	960.6	855.4	795.7	672.4	643.8	727.8	855.0
50°	1644.8	1635.8	1521.9	1321.3	1083.0	959.0	889.5	733.3	687.4	756.4	888.3
52.5°	1728.4	1721.7	1651.8	1471.3	1208.7	1076.4	976.3	796.9	741.9	792.2	924.8
55°	1708.4	1704.4	1704.1	1584.3	1345.7	1194.5	1075.2	864.8	804.7	835.0	968.0
57.5°	1702.9	1696.2	1699.7	1662.4	1476.0	1316.6	1185.1	949.2	883.2	886.4	1013.2
60°	1708.4	1704.4	1724.5	1710.7	1598.5	1444.6	1313.1	1051.6	965.3	939.0	1053.6
62.5°	1759.4	1750.0	1765.7	1794.7	1731.9	1618.1	1474.8	1173.7	1056.4	978.6	1085.0
65°	1837.5	1819.9	1825.0	1898.4	1889.3	1807.3	1666.8	1332.7	1141.9	1010.4	1099.5
67.5°	1859.9	1854.0	1867.4	1961.2	2055.0	2040.9	1910.1	1508.2	1225.5	1028.5	1083.0
70°	1767.7	1760.2	1819.9	1964.7	2217.9	2287.0	2165.7	1677.4	1297.0	1021.8	1045.4
72.5°	1455.2	1450.5	1563.9	1808.1	2232.8	2385.5	2300.7	1784.9	1291.1	958.6	968.8
75°	941.3	925.6	1107.8	1421.8	2003.6	2250.9	2190.8	1649.5	1130.9	852.2	834.6
77.5°	332.9	374.1	478.5	845.6	1522.3	1811.6	1711.1	1237.3	835.3	624.5	588.0
80°	116.2	122.1	152.7	316.8	823.6	1160.4	1079.5	717.2	446.3	325.4	312.1
82.5°	68.3	71.4	80.1	116.2	303.0	551.1	460.1	301.1	163.3	139.7	122.5
85°	23.2	24.7	41.6	59.7	107.6	159.4	143.3	77.3	63.2	56.5	36.5
87.5°	4.7	5.5	9.0	19.6	36.1	40.8	31.0	18.8	26.3	26.3	12.6
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°	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7	490.7
2.5°	493.8	490.3	484.0	478.1	471.8	467.1	461.2	456.5	457.3	454.6	453.8
5°	502.1	494.6	479.7	464.0	447.9	432.6	419.6	409.0	403.1	400.0	399.6
7.5°	515.4	504.0	477.3	448.7	418.5	397.7	383.9	377.2	376.5	375.7	374.5
10°	536.2	518.2	476.6	430.6	392.5	374.5	372.1	376.8	383.5	387.1	387.1
12.5°	558.2	535.0	476.2	412.2	372.5	366.6	377.2	390.6	401.6	406.7	405.9
15°	581.8	551.9	470.3	391.4	358.4	367.0	385.5	400.0	411.4	416.1	416.5
17.5°	606.9	567.2	460.5	368.6	348.2	366.2	385.1	397.7	407.9	411.4	410.6
20°	628.5	581.0	446.7	345.4	339.2	358.8	375.7	385.1	391.0	391.8	391.8
22.5°	646.1	590.8	426.7	323.9	326.6	345.8	358.8	363.9	366.2	367.4	367.0
25°	663.4	597.5	403.9	303.8	311.7	328.6	338.0	342.7	344.3	345.4	346.2
27.5°	675.2	600.6	377.2	281.9	294.4	308.9	318.0	322.7	326.2	328.6	328.6
30°	683.4	598.6	349.4	265.4	279.5	291.7	302.3	308.5	313.6	316.4	316.8
32.5°	691.3	596.3	321.1	248.9	264.6	277.5	289.7	299.1	306.2	309.3	310.5
35°	697.2	591.2	291.3	236.3	250.8	264.6	278.3	290.1	299.1	304.6	305.8
37.5°	703.1	586.1	263.8	223.0	239.1	254.0	269.7	281.1	291.7	299.1	301.5
40°	711.3	582.5	239.5	211.2	230.0	246.5	260.7	274.0	286.2	292.8	295.2
42.5°	722.7	580.2	218.7	202.6	223.0	241.8	256.7	274.0	288.9	292.1	293.6
45°	738.0	580.2	201.8	195.5	219.4	241.8	260.3	279.1	290.9	289.7	290.9
47.5°	754.9	580.2	188.4	189.2	217.9	245.0	265.8	288.5	301.1	304.6	307.0
50°	778.4	580.2	177.8	183.7	215.1	250.1	284.2	307.4	314.8	316.0	316.8
52.5°	804.3	585.3	170.0	178.2	214.3	266.5	298.7	306.6	306.2	302.7	302.3
55°	835.3	594.3	162.9	171.9	217.1	269.7	289.3	291.7	284.2	277.5	276.0
57.5°	866.7	605.7	155.8	164.1	206.1	250.4	274.0	272.0	271.6	268.1	267.7
60°	901.3	618.7	148.0	151.1	184.1	232.0	253.2	268.5	272.8	269.3	268.5
62.5°	926.8	633.6	139.7	137.0	165.3	215.5	245.7	265.0	273.2	273.2	272.8
65°	939.0	641.0	131.9	124.0	149.2	198.2	238.7	255.2	265.4	268.1	267.3
67.5°	924.8	630.8	126.0	113.1	133.9	180.6	227.3	242.6	255.9	260.3	259.9
70°	900.5	622.6	121.3	101.7	120.5	161.7	215.9	232.4	245.7	253.2	252.4
72.5°	847.5	593.5	109.5	91.9	105.6	146.8	202.2	221.4	234.0	242.2	241.8
75°	727.4	521.7	91.5	82.8	89.5	132.3	187.2	208.8	217.9	225.7	225.3
77.5°	536.2	392.2	71.8	69.9	75.0	117.0	168.4	189.6	196.7	202.6	201.4
80°	282.6	229.6	56.5	57.3	62.0	100.9	149.6	165.7	171.5	174.7	172.3
82.5°	123.3	99.3	42.0	45.5	48.7	80.9	123.3	137.4	141.3	139.0	132.3
85°	39.3	27.1	25.1	29.8	33.0	53.8	95.8	106.8	113.4	106.4	104.8
87.5°	9.8	9.0	10.6	15.3	17.3	29.8	65.2	67.5	76.5	23.6	22.0
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)