

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: P1209258

Luminaire Tested: UPW-SA2-110-730-U-SL3-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209258  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/20/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-110-730-U-SL3-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH 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: 9298 lumens  
Efficiency: N/A  
Efficacy: 82.3 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Short  
BUG Rating: B1 - U0 - G2

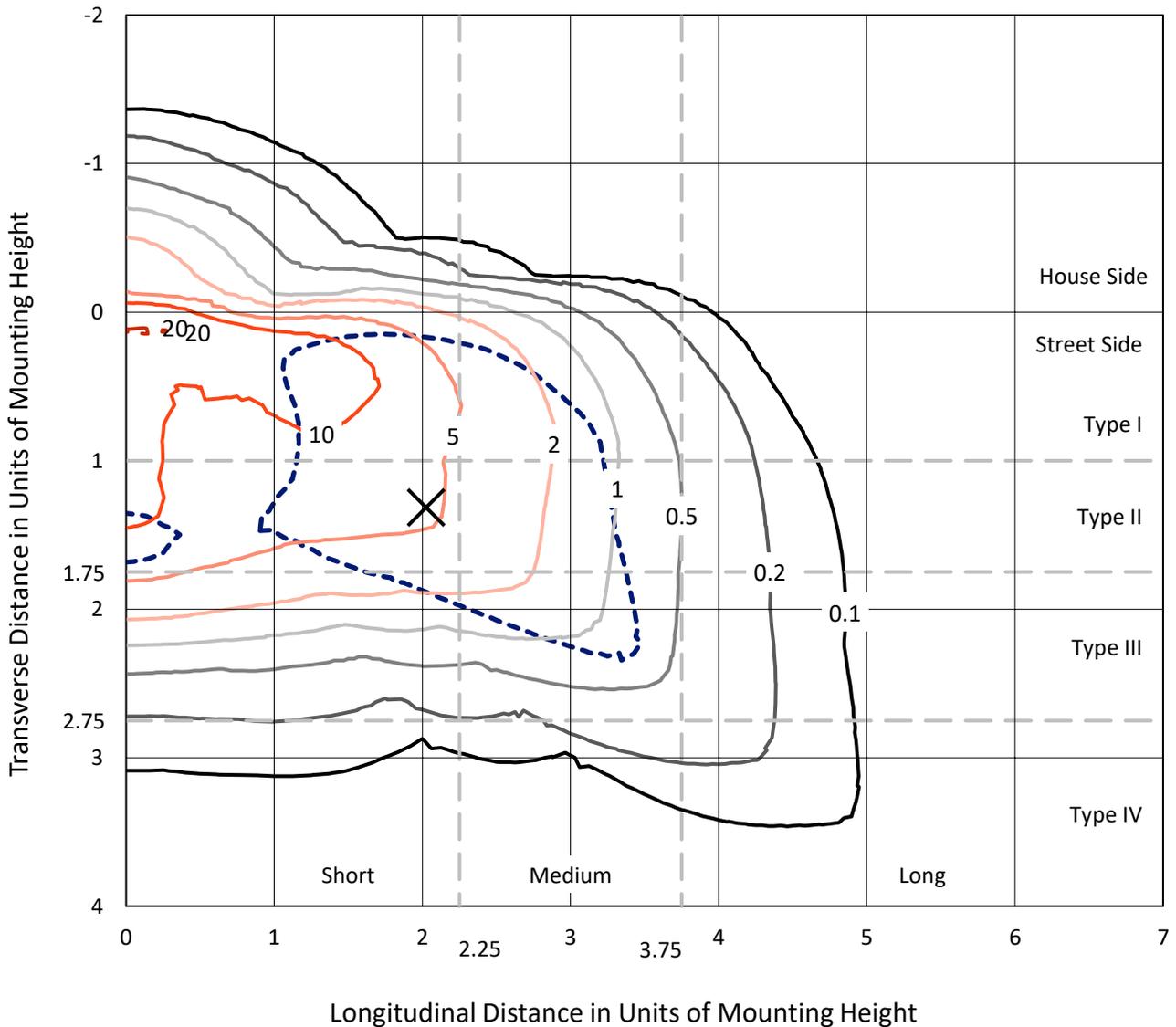
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209258  
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### Iso-Footcandle Lines of Horizontal Illumination

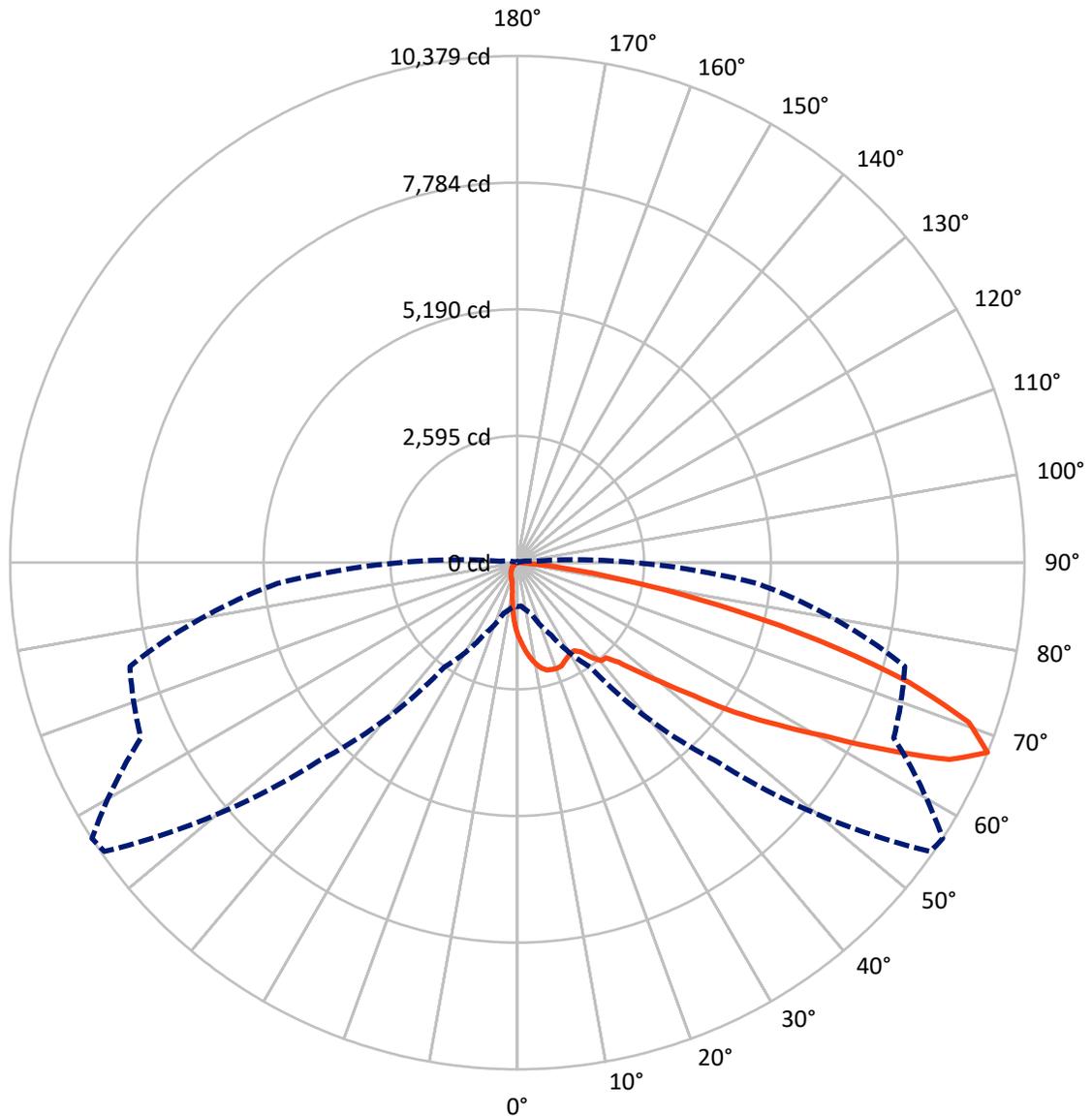
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 20.9 fc  
 Type III - Short - N/A

REPORT NUMBER: P1209258  
CATALOG NUMBER: UPW-SA2-110-730-U-SL3-HSS

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P1209258

CATALOG NUMBER: UPW-SA2-110-730-U-SL3-HSS

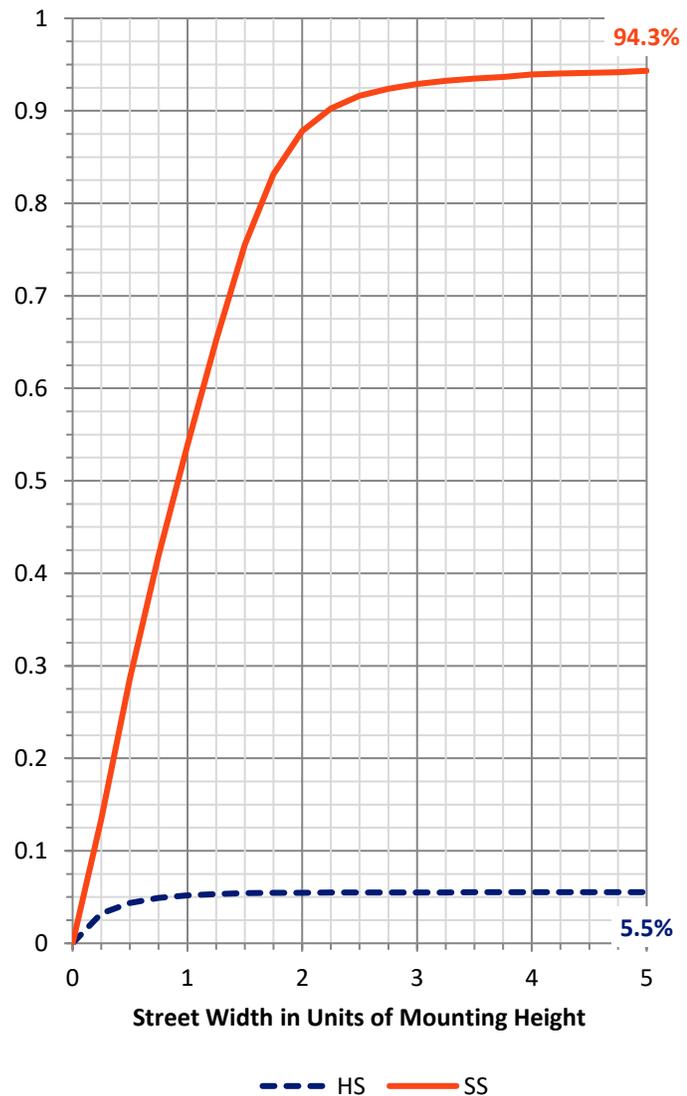
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	517.5	0.0	517.5
	% Fixture	5.6	0.0	5.6
<b>Street Side</b>	Lumens	8780.5	0.0	8780.5
	% Fixture	94.4	0.0	94.4
<b>Total</b>	Lumens	9298.0	0.0	9298.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	132.9	1.4
10°-20°	345.9	3.7
20°-30°	506.2	5.4
30°-40°	761.2	8.2
40°-50°	1241.8	13.4
50°-60°	2350.4	25.3
60°-70°	2686.0	28.9
70°-80°	1172.4	12.6
80°-90°	101.3	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°	9298.0	100.0
0°-180°	9298.0	100.0

**Coefficient of Utilization**



REPORT NUMBER: P1209258

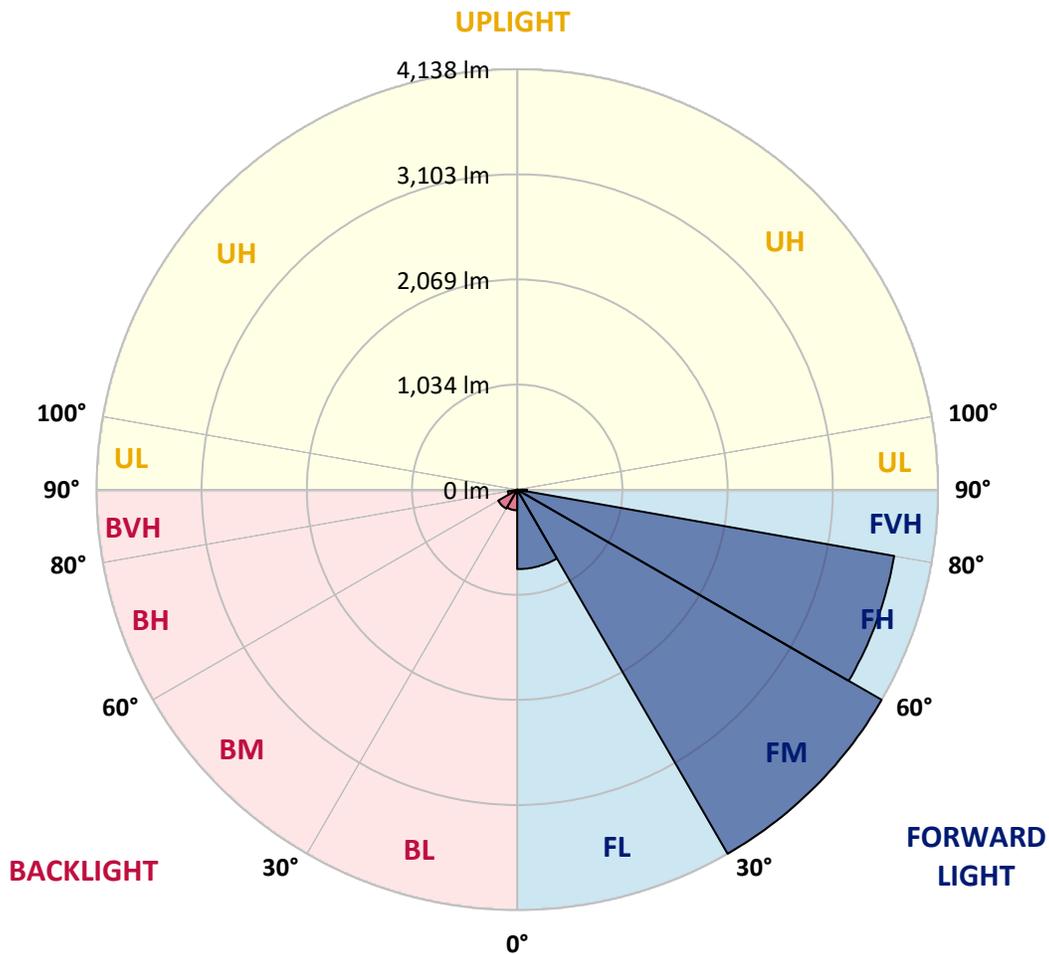
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	781.9	8.4			
FM	(30°-60°)	4137.8	44.5			
FH	(60°-80°)	3764.6	40.5			G2/5000
FVH	(80°-90°)	96.2	1.0			G1/100
BL	(0°-30°)	203.1	2.2	B1/500		
BM	(30°-60°)	215.6	2.3	B0/220		
BH	(60°-80°)	93.8	1.0	B0/110		G0/110
BVH	(80°-90°)	5.0	0.1			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 III Short





REPORT NUMBER: P1209258

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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3
2.5°	1746.2	1760.7	1766.4	1741.9	1718.8	1701.5	1666.9	1645.2	1612.0	1571.6	1515.3
5°	2003.1	2001.7	1987.3	1968.5	1958.4	1903.5	1845.8	1822.7	1769.3	1668.3	1558.6
7.5°	2099.8	2108.5	2118.6	2107.0	2089.7	2060.9	1993.0	1975.7	1897.8	1766.4	1612.0
10°	2055.1	2069.5	2086.8	2117.1	2174.9	2185.0	2133.0	2114.3	2020.4	1876.1	1656.8
12.5°	1848.7	1870.4	1899.2	1997.4	2131.6	2215.3	2226.8	2221.0	2141.7	1974.3	1688.5
15°	1574.5	1551.4	1626.5	1762.1	1982.9	2174.9	2278.8	2283.1	2242.7	2066.6	1723.2
17.5°	1368.1	1389.8	1423.0	1525.4	1754.9	2030.5	2271.6	2299.0	2317.7	2164.8	1763.6
20°	1333.5	1334.9	1349.4	1405.7	1525.4	1857.4	2247.0	2312.0	2410.1	2261.5	1780.9
22.5°	1366.7	1358.0	1365.2	1376.8	1451.8	1681.3	2195.1	2300.4	2464.9	2381.2	1817.0
25°	1410.0	1420.1	1407.1	1392.7	1436.0	1601.9	2134.5	2242.7	2547.2	2488.0	1832.8
27.5°	1531.2	1537.0	1502.3	1450.4	1466.3	1565.8	2040.7	2196.5	2671.3	2607.8	1858.8
30°	1728.9	1723.2	1651.0	1565.8	1529.8	1588.9	1981.5	2146.0	2737.7	2700.2	1845.8
32.5°	1876.1	1864.6	1793.9	1705.8	1642.3	1677.0	1981.5	2151.8	2871.9	2861.8	1870.4
35°	2008.9	1998.8	1910.8	1840.0	1785.2	1817.0	2092.6	2245.6	3063.9	3162.0	1956.9
37.5°	2153.2	2125.8	2056.5	1933.9	1916.5	2039.2	2332.2	2459.2	3368.4	3440.5	1959.8
40°	2381.2	2358.1	2247.0	2120.0	2026.2	2205.2	2519.8	2641.0	3583.4	3664.2	1948.3
42.5°	2694.4	2639.6	2502.5	2317.7	2167.7	2294.6	2541.4	2667.0	3746.5	4012.0	2059.4
45°	3035.0	3019.1	2828.6	2590.5	2431.8	2415.9	2770.9	2909.4	4108.7	4573.4	2300.4
47.5°	3527.1	3403.0	3151.9	2897.9	2762.2	2655.4	3123.0	3333.7	4550.3	5230.1	2659.8
50°	4045.2	3973.1	3590.6	3239.9	3074.0	3035.0	3680.1	3870.6	5116.1	5969.0	3258.7
52.5°	4928.4	4762.5	4245.8	3804.2	3517.0	3479.5	4286.2	4530.1	5753.9	6850.8	3863.4
55°	5523.0	5420.6	4901.0	4567.7	4191.0	4077.0	5144.9	5411.9	6534.7	7620.0	4468.1
57.5°	5713.5	5588.0	5120.4	5039.6	4953.0	5017.9	6035.4	6257.6	7075.9	8220.3	5003.5
60°	4950.1	4945.8	4678.8	4889.5	5318.1	6068.6	7087.4	7185.6	7514.6	8588.3	5336.9
62.5°	3560.3	3548.8	3602.2	4124.6	4924.1	6780.0	8534.9	8425.3	7895.6	8793.3	5517.3
65°	1845.8	1854.5	2122.9	2811.3	3961.5	6725.2	9859.8	9721.2	8130.9	8667.7	5390.3
67.5°	900.5	893.3	1068.0	1635.1	2616.5	5742.4	10314.4	10379.3	8500.3	8207.3	4931.3
70°	448.8	454.6	581.6	863.0	1428.7	4124.6	9525.0	9800.6	8159.7	7227.4	4199.6
72.5°	316.1	320.4	395.4	512.3	668.2	2503.9	7905.7	8380.5	6810.3	5749.6	2960.0
75°	226.6	233.8	290.1	382.4	370.9	1257.0	6110.4	6391.8	4937.1	3550.2	1568.7
77.5°	164.5	174.6	226.6	294.4	256.9	528.2	4231.4	4224.2	2785.3	1687.1	635.0
80°	108.2	115.5	167.4	217.9	183.3	245.3	2479.4	2335.1	1232.5	646.5	230.9
82.5°	60.6	63.5	112.6	151.5	127.0	115.5	1108.4	1021.8	417.1	236.7	108.2
85°	4.3	7.2	66.4	95.2	67.8	57.7	310.3	281.4	134.2	108.2	57.7
87.5°	0.0	0.0	8.7	17.3	11.5	8.7	75.0	64.9	40.4	63.5	28.9
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0



REPORT NUMBER: P1209258

CATALOG NUMBER: UPW-SA2-110-730-U-SL3-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3	1479.3
2.5°	1492.2	1451.8	1391.2	1332.1	1274.3	1222.4	1184.8	1147.3	1131.5	1095.4	1157.4
5°	1500.9	1428.7	1284.4	1144.4	1023.2	893.3	808.2	747.6	717.3	689.8	691.3
7.5°	1509.6	1399.9	1177.6	941.0	766.3	629.2	552.7	525.3	513.8	499.3	499.3
10°	1499.5	1353.7	1024.7	740.3	562.8	489.2	447.4	437.3	443.1	441.6	445.9
12.5°	1499.5	1298.9	868.8	577.3	461.8	418.5	407.0	405.5	414.2	420.0	422.9
15°	1480.7	1215.2	712.9	473.4	404.1	388.2	383.9	383.9	389.7	395.4	394.0
17.5°	1464.8	1131.5	583.0	407.0	369.5	365.1	362.2	359.4	366.6	372.3	373.8
20°	1425.9	1014.6	480.6	366.6	346.4	340.6	339.1	336.3	343.5	349.2	353.6
22.5°	1369.6	881.8	411.3	336.3	326.2	318.9	314.6	316.1	323.3	329.0	326.2
25°	1294.5	764.9	360.8	314.6	300.2	295.9	290.1	293.0	294.4	300.2	304.5
27.5°	1212.3	650.9	327.6	297.3	282.9	274.2	267.0	265.5	267.0	274.2	271.3
30°	1091.0	551.3	304.5	277.1	261.2	249.7	241.0	236.7	235.2	236.7	238.1
32.5°	998.7	484.9	288.6	261.2	241.0	226.6	216.5	207.8	204.9	202.0	202.0
35°	939.5	448.8	272.8	239.6	220.8	206.4	190.5	180.4	174.6	171.7	173.2
37.5°	812.5	386.8	254.0	223.7	202.0	184.7	168.9	153.0	148.6	151.5	151.5
40°	705.7	331.9	236.7	204.9	180.4	164.5	147.2	128.4	125.6	134.2	135.7
42.5°	665.3	307.4	220.8	187.6	161.6	148.6	125.6	111.1	111.1	118.3	119.8
45°	714.4	300.2	206.4	171.7	145.8	131.3	108.2	95.2	95.2	102.5	103.9
47.5°	870.2	311.7	191.9	155.9	134.2	115.5	89.5	83.7	83.7	86.6	88.0
50°	1200.7	349.2	177.5	140.0	122.7	98.1	77.9	72.2	70.7	72.2	72.2
52.5°	1620.7	424.3	161.6	125.6	108.2	82.3	67.8	62.1	57.7	57.7	56.3
55°	2045.0	505.1	145.8	111.1	93.8	70.7	57.7	52.0	44.7	41.9	40.4
57.5°	2418.8	570.1	127.0	98.1	80.8	60.6	50.5	39.0	28.9	23.1	23.1
60°	2651.1	587.4	109.7	85.1	66.4	52.0	40.4	26.0	14.4	11.5	10.1
62.5°	2694.4	532.5	93.8	72.2	56.3	43.3	28.9	14.4	5.8	1.4	1.4
65°	2577.5	420.0	80.8	60.6	46.2	34.6	18.8	7.2	0.0	0.0	0.0
67.5°	2381.2	330.5	67.8	50.5	39.0	27.4	11.5	1.4	0.0	0.0	0.0
70°	2076.7	264.1	59.2	43.3	33.2	23.1	7.2	0.0	0.0	0.0	0.0
72.5°	1529.8	174.6	52.0	39.0	28.9	17.3	4.3	0.0	0.0	0.0	0.0
75°	837.0	111.1	47.6	36.1	27.4	14.4	2.9	0.0	0.0	0.0	0.0
77.5°	339.1	77.9	41.9	34.6	27.4	14.4	2.9	0.0	0.0	0.0	0.0
80°	128.4	54.8	36.1	30.3	26.0	14.4	2.9	0.0	0.0	0.0	0.0
82.5°	67.8	44.7	34.6	30.3	24.5	13.0	1.4	0.0	0.0	0.0	0.0
85°	33.2	14.4	17.3	17.3	20.2	11.5	1.4	0.0	0.0	0.0	0.0
87.5°	7.2	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)