

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1210268

Luminaire Tested: **ARCH2-70-730-U-T2RE-HSS**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210268
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-3)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH2-70-730-U-T2RE-HSS
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 3000K, 555mA LIGHTSQUARES WITH 10 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 7287 lumens
Efficiency: N/A
Efficacy: 99.0 lumens/watt
Luminous Opening: Rectangular (W 0.67' x L: 0.33' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

Input Watts (W): 73.6
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: 24 FT



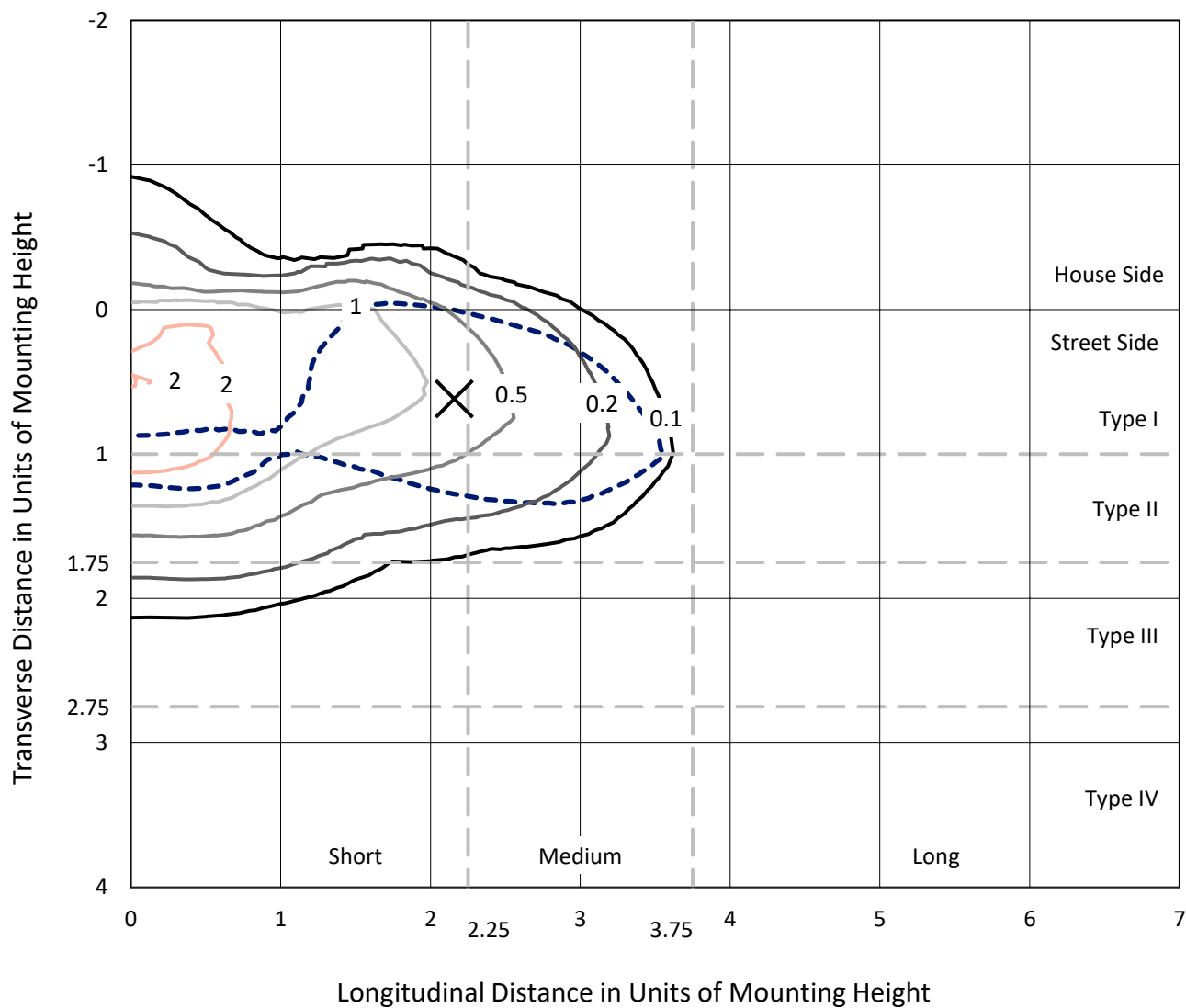
REPORT NUMBER: P1210268

CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

--- 1/2 Max cd

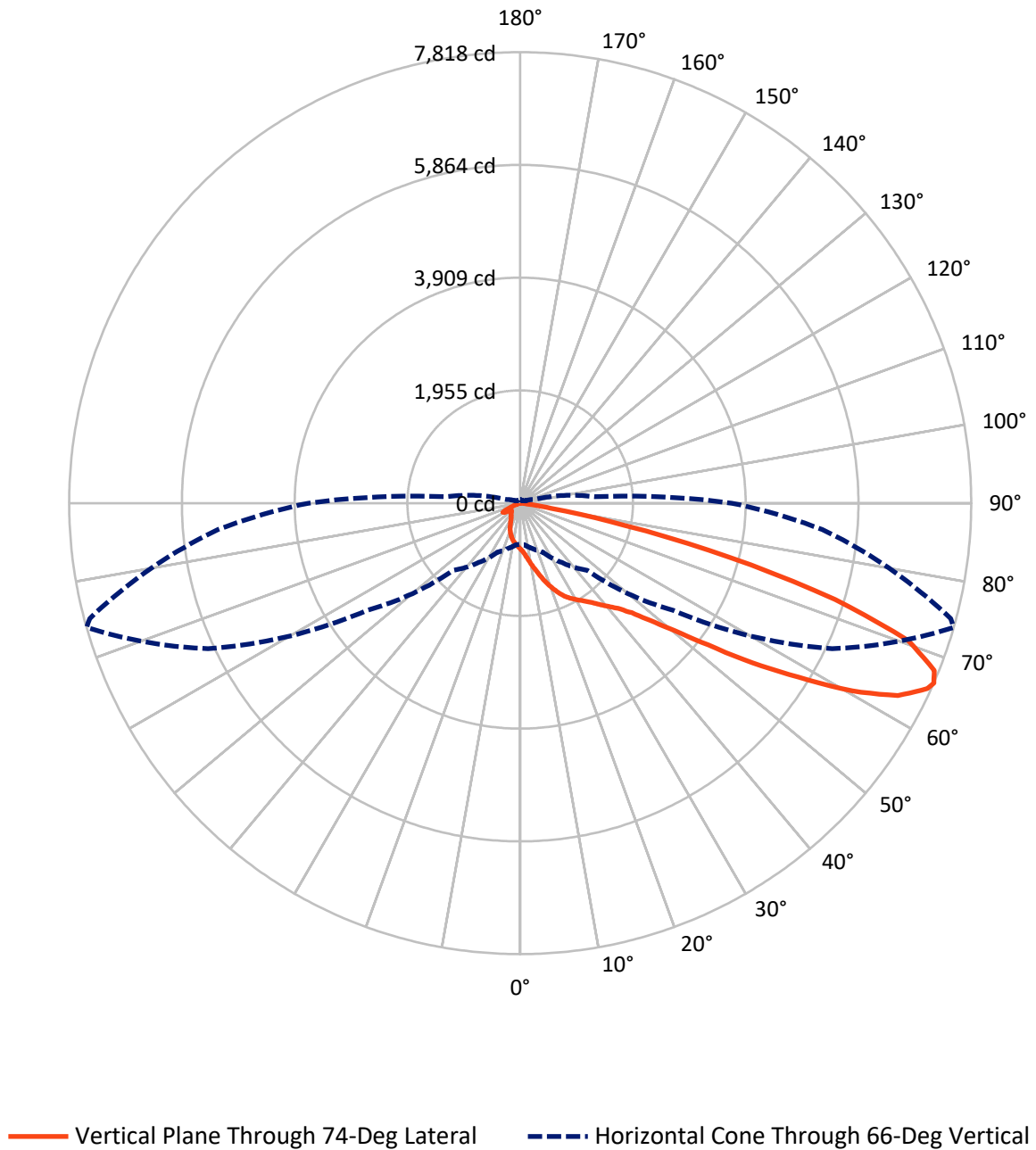


Based on 25 foot mounting height. Maximum calculated value = 2.7 fc

Type II - Short - N/A

REPORT NUMBER: P1210268
CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

Luminous Intensity Polar Plot



REPORT NUMBER: P1210268

CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

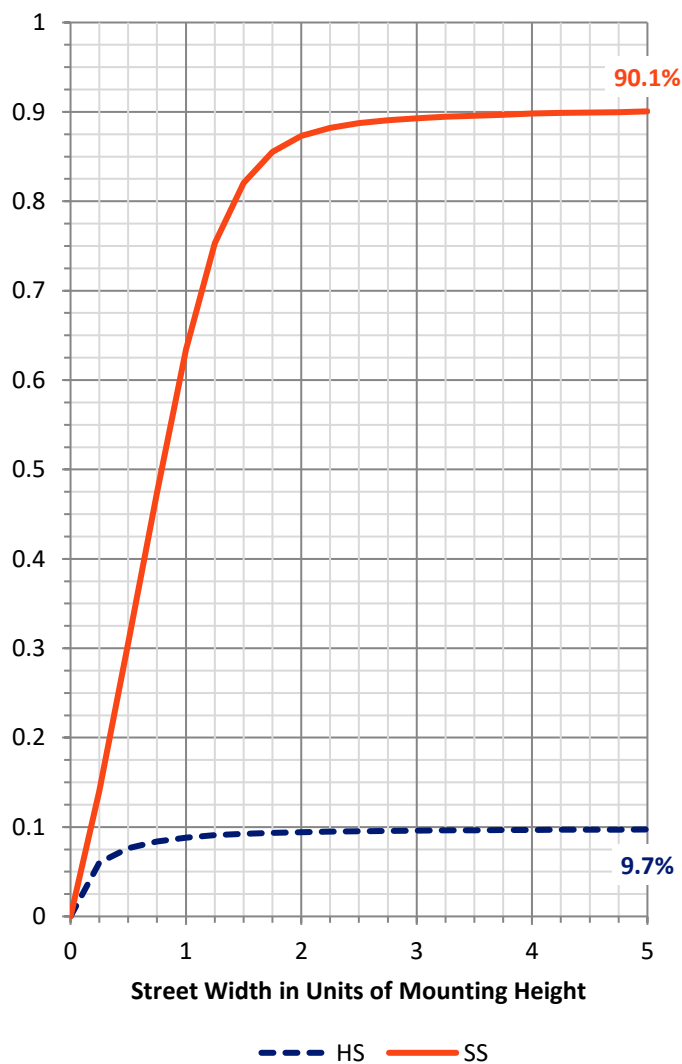
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	714.3	0.0	714.3
	% Fixture	9.8	0.0	9.8
Street Side	Lumens	6572.6	0.0	6572.6
	% Fixture	90.2	0.0	90.2
Total	Lumens	7287.0	0.0	7287.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	77.6	1.1
10°-20°	248.9	3.4
20°-30°	475.0	6.5
30°-40°	832.6	11.4
40°-50°	1427.7	19.6
50°-60°	1856.8	25.5
60°-70°	1680.8	23.1
70°-80°	648.6	8.9
80°-90°	39.0	0.5
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°	7287.0	100.0
0°-180°	7287.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210268

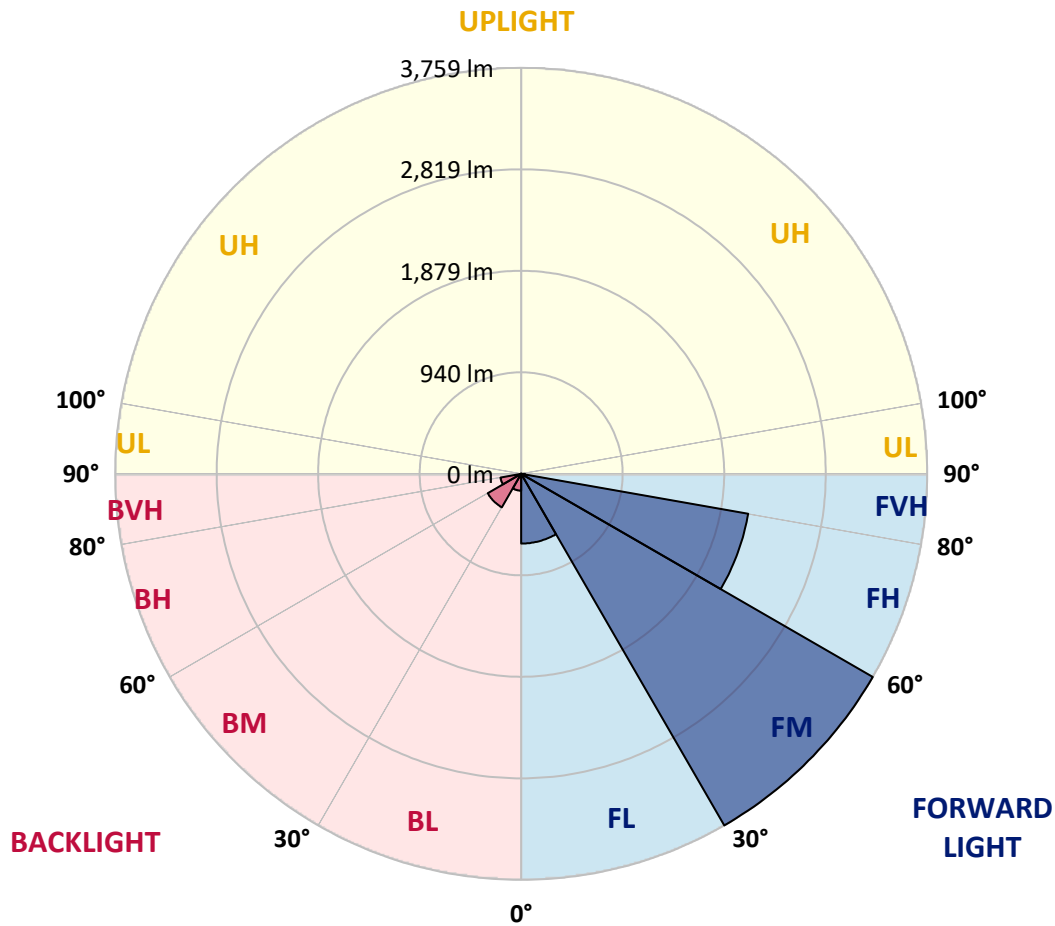
CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	645.7	8.9			
FM	(30°-60°)	3759.0	51.6			
FH	(60°-80°)	2134.1	29.3			G2/5000
FVH	(80°-90°)	33.8	0.5			G1/100
BL	(0°-30°)	155.8	2.1	B1/500		
BM	(30°-60°)	358.0	4.9	B1/1000		
BH	(60°-80°)	195.3	2.7	B1/500		G1/500
BVH	(80°-90°)	5.2	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 II Short



REPORT NUMBER: P1210268

CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	955.1	947.2	932.8	931.5	919.7	905.3	880.5	854.3	836.0	833.4	811.1
5°	1143.4	1139.5	1125.1	1116.0	1093.7	1059.7	1002.1	944.6	896.2	890.9	841.2
7.5°	1193.2	1195.8	1198.4	1207.5	1199.7	1184.0	1140.8	1059.7	983.8	972.1	885.7
10°	1201.0	1198.4	1198.4	1210.2	1232.4	1254.6	1249.4	1180.1	1082.0	1067.6	947.2
12.5°	1286.0	1290.0	1280.8	1275.6	1271.7	1283.4	1322.7	1292.6	1185.3	1173.5	1021.8
15°	1395.9	1394.6	1381.6	1381.6	1369.8	1350.2	1375.0	1397.3	1309.6	1295.2	1106.8
17.5°	1475.7	1481.0	1479.7	1487.5	1483.6	1457.4	1444.3	1490.1	1437.8	1419.5	1203.6
20°	1539.9	1554.2	1559.5	1584.3	1596.1	1577.8	1543.8	1572.6	1560.8	1543.8	1301.7
22.5°	1607.9	1619.7	1628.8	1672.0	1704.7	1700.8	1657.6	1651.1	1679.8	1664.1	1398.6
25°	1675.9	1681.1	1708.6	1761.0	1813.3	1826.4	1781.9	1730.9	1787.1	1772.7	1484.9
27.5°	1750.5	1753.1	1785.8	1849.9	1923.2	1950.7	1915.3	1821.1	1869.5	1869.5	1563.4
30°	1886.6	1912.7	1925.8	1983.4	2047.5	2085.4	2043.5	1916.6	1942.8	1954.6	1645.8
32.5°	2179.6	2183.5	2179.6	2204.5	2217.5	2239.8	2191.4	2023.9	2017.4	2030.5	1726.9
35°	2627.0	2611.3	2569.5	2532.8	2457.0	2415.1	2352.3	2161.3	2109.0	2127.3	1806.7
37.5°	3170.0	3147.7	3052.2	2939.7	2777.5	2610.0	2531.5	2328.8	2225.4	2248.9	1893.1
40°	3688.1	3673.7	3559.9	3421.2	3143.8	2857.3	2691.1	2470.0	2354.9	2364.1	1980.7
42.5°	4114.6	4111.9	4016.4	3871.2	3515.4	3124.2	2879.5	2608.7	2491.0	2505.4	2072.3
45°	4437.7	4412.9	4342.2	4237.5	3875.1	3401.5	3107.2	2819.4	2709.5	2726.5	2209.7
47.5°	4437.7	4441.6	4487.4	4477.0	4126.3	3661.9	3355.8	3084.9	3032.6	3048.3	2436.0
50°	4076.6	4113.3	4317.4	4488.7	4257.2	3864.7	3624.0	3417.2	3470.9	3494.4	2831.1
52.5°	3362.3	3423.8	3778.3	4169.5	4160.4	3966.7	3901.3	3839.8	4080.5	4122.4	3414.6
55°	2555.1	2595.6	3057.5	3571.6	3739.1	3883.0	4143.3	4376.2	4887.8	4878.6	4007.3
57.5°	1908.8	1946.7	2344.5	2914.9	3136.0	3520.6	4267.6	4989.8	5688.4	5723.8	4563.3
60°	1403.8	1432.6	1771.4	2239.8	2559.0	2965.9	4217.9	5594.2	6610.8	6570.2	5053.9
62.5°	1038.8	1054.5	1299.1	1604.0	2027.8	2416.4	3905.2	6007.7	7347.3	7264.9	5327.3
65°	803.3	808.5	935.4	1097.7	1474.4	1878.7	3439.5	6070.5	7754.2	7666.6	5322.1
66°	715.6	719.6	812.4	938.0	1254.6	1644.5	3235.4	5969.7	7818.3	7725.4	5256.7
67.5°	600.5	597.9	652.8	735.3	942.0	1269.0	2873.0	5675.4	7742.4	7695.3	5047.4
70°	444.8	446.1	473.6	493.2	550.8	702.6	2074.9	4923.1	7135.4	7132.8	4473.0
72.5°	329.7	333.6	354.5	358.5	344.1	380.7	1195.8	3915.7	5708.1	5709.4	3344.0
75°	247.3	253.8	260.3	263.0	249.9	240.7	540.3	2634.9	3754.8	3727.3	1893.1
77.5°	188.4	191.0	196.2	192.3	189.7	166.2	225.0	1284.7	1853.8	1689.0	613.6
80°	137.4	137.4	142.6	137.4	136.1	119.1	123.0	412.1	544.2	452.7	132.1
82.5°	86.3	85.0	89.0	87.7	85.0	75.9	72.0	115.1	125.6	112.5	64.1
85°	48.4	47.1	45.8	44.5	40.6	34.0	39.2	43.2	57.6	58.9	45.8
87.5°	17.0	17.0	15.7	14.4	11.8	11.8	14.4	14.4	20.9	20.9	23.5
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: P1210268

CATALOG NUMBER: ARCH2-70-730-U-T2RE-HSS

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4	795.4
2.5°	800.7	786.3	765.3	737.9	718.3	698.6	677.7	665.9	648.9	645.0	650.2
5°	815.1	788.9	736.6	679.0	629.3	584.8	542.9	518.1	493.2	484.1	488.0
7.5°	845.2	800.7	711.7	618.8	536.4	469.7	420.0	391.2	368.9	359.8	362.4
10°	889.6	821.6	688.2	550.8	444.8	374.2	332.3	314.0	300.9	295.7	297.0
12.5°	943.3	851.7	658.1	482.8	366.3	304.8	285.2	281.3	278.7	276.0	277.4
15°	1003.5	877.9	622.7	416.0	304.8	270.8	264.3	263.0	261.7	261.7	261.7
17.5°	1066.3	901.4	583.5	353.2	265.6	249.9	246.0	246.0	246.0	247.3	247.3
20°	1125.1	919.7	537.7	297.0	243.3	230.3	227.6	227.6	229.0	230.3	230.3
22.5°	1182.7	927.6	484.1	257.7	225.0	213.3	209.3	209.3	209.3	210.6	210.6
25°	1232.4	927.6	430.4	232.9	209.3	197.6	192.3	191.0	192.3	192.3	192.3
27.5°	1274.3	923.7	378.1	215.9	193.6	181.9	176.6	175.3	177.9	179.2	179.2
30°	1318.8	918.4	336.2	200.2	180.5	168.8	163.5	163.5	167.5	172.7	172.7
32.5°	1361.9	922.3	303.5	187.1	167.5	158.3	153.1	154.4	162.2	170.1	170.1
35°	1407.7	930.2	283.9	177.9	158.3	149.1	145.2	149.1	157.0	164.8	164.8
37.5°	1453.5	939.4	272.1	170.1	150.5	141.3	138.7	143.9	153.1	160.9	162.2
40°	1501.9	947.2	259.0	162.2	145.2	134.8	133.4	138.7	150.5	158.3	159.6
42.5°	1562.1	962.9	243.3	155.7	140.0	126.9	128.2	132.1	143.9	155.7	157.0
45°	1679.8	1012.6	227.6	149.1	133.4	123.0	120.4	123.0	136.1	149.1	151.8
47.5°	1900.9	1125.1	210.6	142.6	126.9	120.4	109.9	112.5	124.3	138.7	140.0
50°	2324.8	1364.5	201.5	136.1	121.7	111.2	99.4	99.4	108.6	121.7	121.7
52.5°	2985.5	1793.7	206.7	130.8	115.1	102.0	90.3	89.0	94.2	103.4	103.4
55°	3698.5	2264.6	226.3	125.6	107.3	96.8	83.7	77.2	81.1	86.3	86.3
57.5°	4263.7	2501.4	280.0	123.0	98.1	92.9	75.9	66.7	70.6	75.9	75.9
60°	4512.3	2362.8	340.2	125.6	91.6	86.3	68.0	58.9	65.4	70.6	72.0
62.5°	4310.8	1945.4	365.0	119.1	82.4	77.2	66.7	54.9	62.8	66.7	68.0
65°	3875.1	1478.4	285.2	103.4	75.9	66.7	60.2	52.3	58.9	62.8	62.8
66°	3668.4	1288.7	243.3	95.5	73.3	62.8	57.6	52.3	57.6	60.2	61.5
67.5°	3347.9	1016.5	180.5	83.7	68.0	57.6	53.6	49.7	54.9	57.6	57.6
70°	2617.9	605.7	108.6	65.4	58.9	51.0	48.4	45.8	49.7	51.0	51.0
72.5°	1639.3	287.8	69.3	48.4	49.7	48.4	40.6	43.2	44.5	45.8	45.8
75°	794.1	113.8	47.1	35.3	40.6	45.8	32.7	37.9	39.2	41.9	40.6
77.5°	221.1	54.9	30.1	26.2	35.3	35.3	24.9	30.1	35.3	44.5	40.6
80°	64.1	35.3	19.6	19.6	24.9	24.9	17.0	20.9	23.5	26.2	27.5
82.5°	44.5	23.5	13.1	14.4	14.4	15.7	10.5	10.5	13.1	13.1	14.4
85°	35.3	10.5	7.8	9.2	6.5	7.8	5.2	5.2	6.5	5.2	5.2
87.5°	14.4	5.2	5.2	5.2	3.9	3.9	2.6	1.3	1.3	1.3	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

(END OF REPORT)