

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: P1209337

Luminaire Tested: UPW-SA2-110-750-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209337  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/21/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-110-750-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 5000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT  
ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 10360 lumens  
Efficiency: N/A  
Efficacy: 91.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

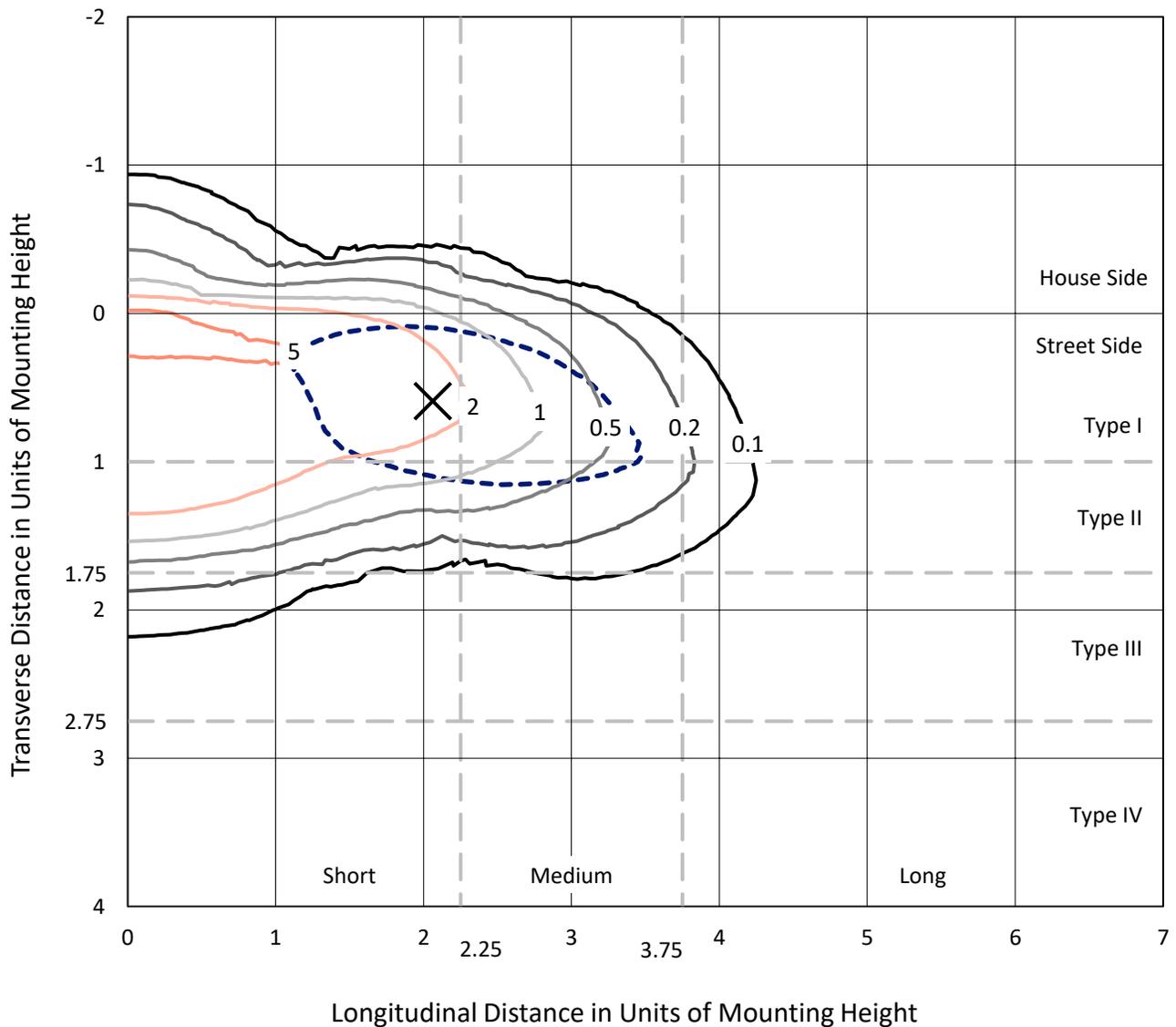
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



REPORT NUMBER: P1209337  
 CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

### Iso-Footcandle Lines of Horizontal Illumination

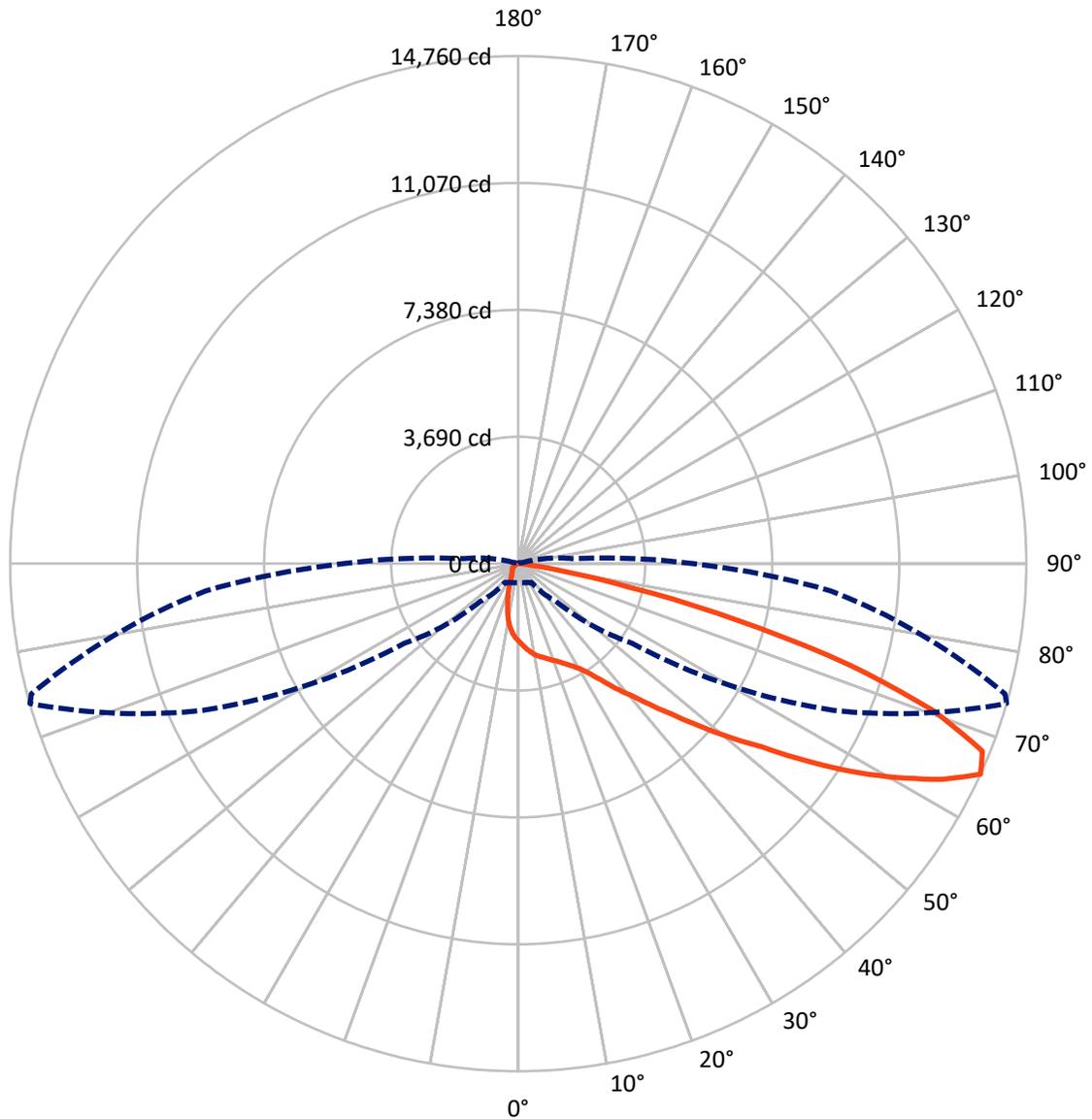
× Max cd  
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.9 fc  
 Type II - Short - N/A

REPORT NUMBER: P1209337  
CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

### Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral      - - - Horizontal Cone Through 65-Deg Vertical

REPORT NUMBER: P1209337

CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

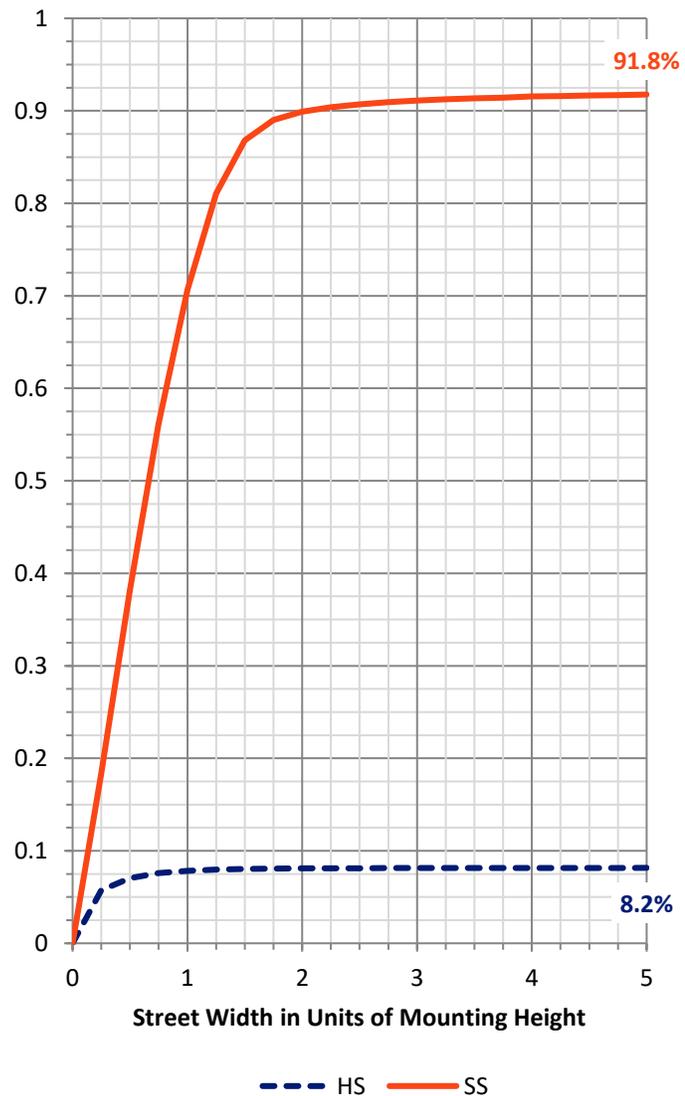
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	851.7	0.0	851.7
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	9508.3	0.0	9508.3
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	10360.0	0.0	10360.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	192.7	1.9
10°-20°	472.1	4.6
20°-30°	736.1	7.1
30°-40°	1161.9	11.2
40°-50°	1807.3	17.4
50°-60°	2612.6	25.2
60°-70°	2361.4	22.8
70°-80°	949.2	9.2
80°-90°	66.7	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°	10360.0	100.0
0°-180°	10360.0	100.0



REPORT NUMBER: P1209337

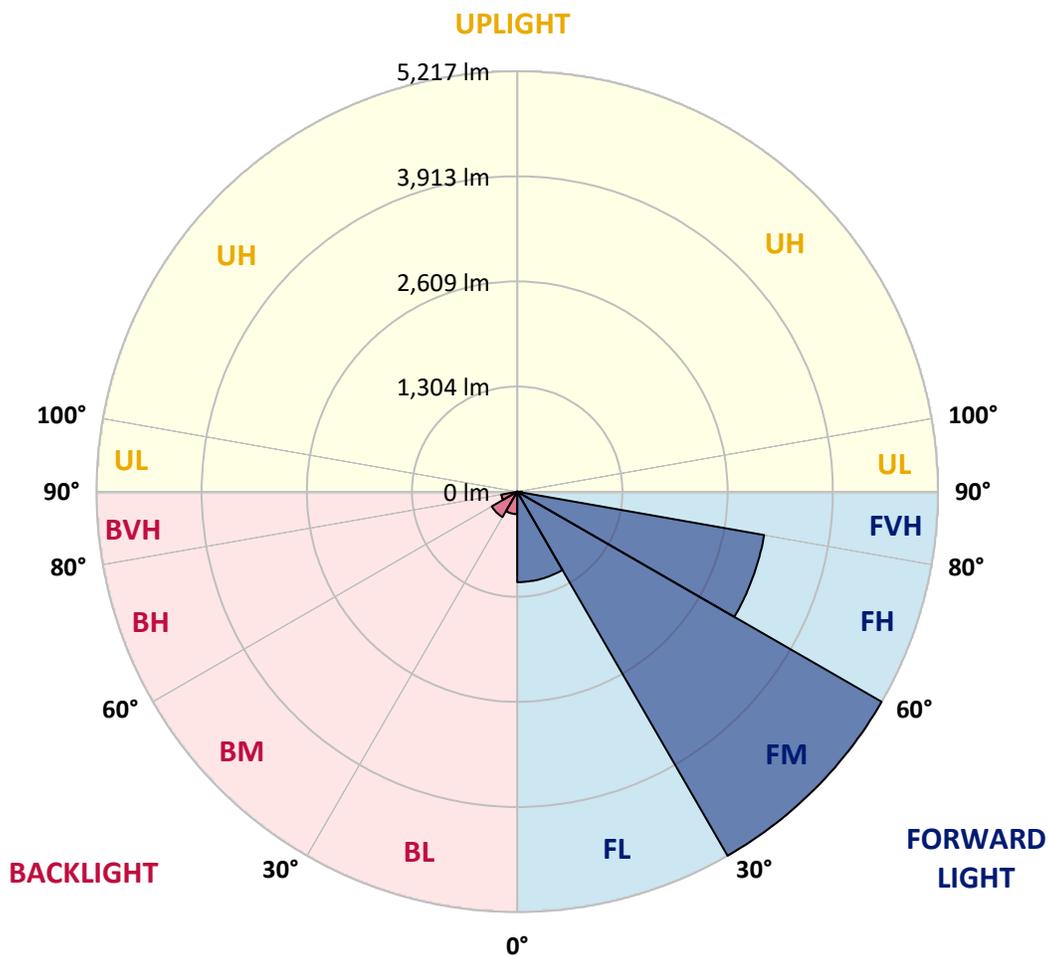
CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1122.4	10.8			
FM	(30°-60°)	5217.4	50.4			
FH	(60°-80°)	3109.4	30.0			G2/5000
FVH	(80°-90°)	59.2	0.6			G1/100
BL	(0°-30°)	278.6	2.7	B1/500		
BM	(30°-60°)	364.4	3.5	B1/1000		
BH	(60°-80°)	201.2	1.9	B1/500		G1/500
BVH	(80°-90°)	7.5	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: P1209337

CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
2.5°	2547.1	2537.6	2542.3	2521.7	2518.6	2498.0	2452.0	2406.1	2363.3	2352.2	2300.0
5°	2732.4	2727.6	2722.9	2719.7	2705.5	2689.6	2624.7	2562.9	2483.7	2469.5	2360.2
7.5°	2781.5	2776.8	2786.3	2802.1	2811.6	2803.7	2756.2	2696.0	2596.2	2580.3	2421.9
10°	2672.2	2667.5	2710.2	2772.0	2829.0	2870.2	2852.8	2798.9	2694.4	2678.5	2464.7
12.5°	2431.4	2425.1	2494.8	2621.5	2756.2	2873.4	2908.2	2871.8	2773.6	2756.2	2499.6
15°	2211.3	2201.8	2271.5	2399.8	2569.2	2795.8	2928.8	2939.9	2838.5	2827.4	2537.6
17.5°	2094.0	2095.6	2138.4	2244.5	2407.7	2654.8	2906.6	3003.3	2925.6	2911.4	2578.8
20°	2141.6	2144.7	2149.5	2190.7	2288.9	2531.2	2857.5	3071.4	3011.2	2995.3	2631.0
22.5°	2279.4	2287.3	2274.6	2252.4	2265.1	2440.9	2806.8	3145.8	3109.4	3093.6	2667.5
25°	2536.0	2526.5	2486.9	2398.2	2334.8	2414.0	2789.4	3231.4	3232.9	3213.9	2711.8
27.5°	2841.7	2816.4	2768.8	2627.9	2472.6	2458.4	2784.7	3323.2	3377.1	3350.2	2762.5
30°	3101.5	3088.8	3030.2	2900.3	2667.5	2561.3	2797.3	3411.9	3548.2	3533.9	2829.0
32.5°	3269.4	3266.2	3223.4	3136.3	2932.0	2727.6	2852.8	3532.3	3806.3	3758.8	2955.7
35°	3410.3	3396.1	3362.8	3305.8	3182.3	2954.2	2970.0	3725.6	4154.8	4140.6	3158.5
37.5°	3570.3	3552.9	3513.3	3442.0	3356.5	3221.9	3156.9	3975.8	4598.3	4592.0	3426.2
40°	3755.7	3744.6	3705.0	3609.9	3503.8	3423.0	3351.7	4234.0	5027.6	4983.3	3673.3
42.5°	3937.8	3941.0	3910.9	3812.7	3668.5	3559.2	3583.0	4497.0	5586.8	5564.6	4058.2
45°	4145.3	4134.2	4118.4	4047.1	3891.9	3667.0	3804.8	4861.3	6236.2	6291.6	4617.4
47.5°	4291.1	4287.9	4319.6	4265.7	4137.4	3839.6	4032.9	5312.7	7034.5	7086.8	5231.9
50°	4329.1	4324.3	4430.4	4474.8	4470.0	4173.8	4346.5	5884.6	7912.1	7904.2	5919.4
52.5°	4085.1	4096.2	4302.1	4538.2	4758.3	4688.6	4912.0	6671.8	8849.8	8876.7	6565.7
55°	3385.0	3454.7	3682.8	4229.3	4809.0	5212.9	5640.6	7755.3	10086.9	10015.6	7074.1
57.5°	2122.6	2086.1	2471.0	3263.0	4184.9	5252.5	6229.9	8843.5	11408.0	11317.7	7821.8
60°	1081.9	1034.4	1259.3	1820.0	2905.1	4414.6	6242.5	9792.3	12626.1	12524.7	8577.4
62.5°	662.1	654.2	700.1	888.6	1504.8	2977.9	5409.4	10365.7	13817.2	13736.4	9089.0
65°	557.6	556.0	573.4	603.5	666.9	1546.0	4036.0	10085.3	14759.7	14642.5	9119.1
67.5°	494.2	494.2	530.6	544.9	443.5	665.3	2475.8	8919.5	14539.5	14517.4	8483.9
70°	426.1	419.8	470.4	513.2	369.1	342.1	1275.1	7166.0	12773.4	12846.2	7226.2
72.5°	321.6	327.9	380.2	437.2	302.5	240.8	582.9	5014.9	10058.4	10093.2	5678.6
75°	242.4	248.7	294.6	358.0	243.9	182.2	321.6	3258.3	6587.9	6667.1	3316.9
77.5°	185.3	186.9	232.8	296.2	188.5	139.4	217.0	1810.5	3339.1	3267.8	1289.4
80°	128.3	133.1	182.2	229.7	150.5	104.5	145.7	784.1	1205.4	1112.0	400.8
82.5°	47.5	61.8	128.3	166.3	106.1	74.4	107.7	315.2	353.2	331.1	147.3
85°	7.9	7.9	69.7	122.0	57.0	44.4	68.1	109.3	115.6	122.0	76.0
87.5°	0.0	0.0	7.9	26.9	9.5	6.3	19.0	26.9	55.4	61.8	41.2
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: P1209337

CATALOG NUMBER: UPW-SA2-110-750-U-SL2-HSS

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2	2257.2
2.5°	2265.1	2231.9	2165.3	2108.3	2019.6	1942.0	1892.9	1854.9	1826.4	1793.1	1759.8
5°	2290.5	2212.8	2049.7	1866.0	1677.5	1508.0	1368.6	1241.9	1159.5	1150.0	1110.4
7.5°	2312.6	2189.1	1913.5	1587.2	1298.9	1053.4	880.7	774.6	682.7	654.2	666.9
10°	2312.6	2147.9	1732.9	1284.6	937.7	687.5	560.7	491.0	465.7	454.6	445.1
12.5°	2306.3	2081.4	1506.4	1001.1	652.6	500.5	443.5	418.2	403.9	397.6	394.4
15°	2296.8	2000.6	1283.0	747.6	499.0	429.3	400.8	381.7	369.1	362.7	358.0
17.5°	2290.5	1916.6	1080.3	567.1	430.8	391.2	367.5	348.5	337.4	327.9	326.3
20°	2271.5	1818.4	883.9	465.7	391.2	358.0	332.6	315.2	304.1	293.0	293.0
22.5°	2241.4	1679.0	698.5	405.5	358.0	324.7	297.8	280.4	269.3	262.9	259.8
25°	2203.3	1541.2	554.4	370.7	326.3	289.9	266.1	248.7	239.2	236.0	232.8
27.5°	2160.6	1403.4	456.2	342.1	296.2	261.4	234.4	221.8	215.4	212.3	209.1
30°	2125.7	1278.3	396.0	318.4	267.7	232.8	209.1	198.0	193.2	191.7	188.5
32.5°	2128.9	1172.2	354.8	291.5	245.5	210.7	186.9	175.8	175.8	174.2	174.2
35°	2187.5	1105.6	326.3	267.7	221.8	188.5	167.9	158.4	161.6	161.6	160.0
37.5°	2250.9	1039.1	299.4	242.4	201.2	167.9	147.3	142.6	144.1	145.7	145.7
40°	2333.2	990.0	277.2	218.6	180.6	150.5	133.1	128.3	128.3	128.3	126.7
42.5°	2520.1	985.2	258.2	198.0	161.6	133.1	120.4	114.0	110.9	109.3	106.1
45°	2783.1	1020.1	245.5	179.0	142.6	120.4	109.3	101.4	91.9	87.1	85.5
47.5°	3122.1	1110.4	234.4	161.6	125.1	109.3	98.2	87.1	74.4	68.1	66.5
50°	3545.0	1251.4	223.3	147.3	112.5	98.2	85.5	71.3	58.6	52.3	52.3
52.5°	3941.0	1417.7	212.3	134.6	99.8	90.3	72.9	57.0	45.9	41.2	39.6
55°	4297.4	1604.6	199.6	120.4	90.3	79.2	60.2	44.4	33.3	28.5	26.9
57.5°	4726.7	1840.6	183.7	106.1	80.8	68.1	47.5	31.7	22.2	15.8	14.3
60°	5195.5	1959.4	163.2	93.5	69.7	57.0	36.4	22.2	12.7	6.3	6.3
62.5°	5347.6	1900.8	137.8	80.8	60.2	45.9	26.9	14.3	4.8	0.0	0.0
65°	5070.4	1628.4	117.2	71.3	52.3	34.8	19.0	7.9	0.0	0.0	0.0
67.5°	4432.0	1267.2	96.6	61.8	44.4	28.5	12.7	1.6	0.0	0.0	0.0
70°	3659.0	939.3	80.8	50.7	38.0	22.2	7.9	0.0	0.0	0.0	0.0
72.5°	2824.3	666.9	69.7	42.8	31.7	17.4	4.8	0.0	0.0	0.0	0.0
75°	1595.1	358.0	63.4	42.8	28.5	14.3	3.2	0.0	0.0	0.0	0.0
77.5°	658.9	164.7	55.4	42.8	28.5	15.8	4.8	0.0	0.0	0.0	0.0
80°	205.9	84.0	47.5	44.4	30.1	17.4	4.8	0.0	0.0	0.0	0.0
82.5°	96.6	64.9	49.1	41.2	26.9	15.8	4.8	0.0	0.0	0.0	0.0
85°	50.7	33.3	34.8	34.8	23.8	14.3	4.8	0.0	0.0	0.0	0.0
87.5°	14.3	1.6	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)