

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: P1209472

Luminaire Tested: UPW-SA2-130-727-U-SL2-HSS

Issue Date: 11/4/2025

**Test Information**

Test Method: LM-79-2024  
Report Number: P1209472  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-2)  
Test Lab: INNOVATIONS CENTER  
Issue Date: 2/19/2026  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: STREETWORKS  
Catalog Number: UPW-SA2-130-727-U-SL2-HSS  
Description: UNDERPASS WALL MOUNT LUMINAIRE  
(2) 70 CRI, 2700K, 1200mA 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: 9504 lumens  
Efficiency: N/A  
Efficacy: 73.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B1 - U0 - G2

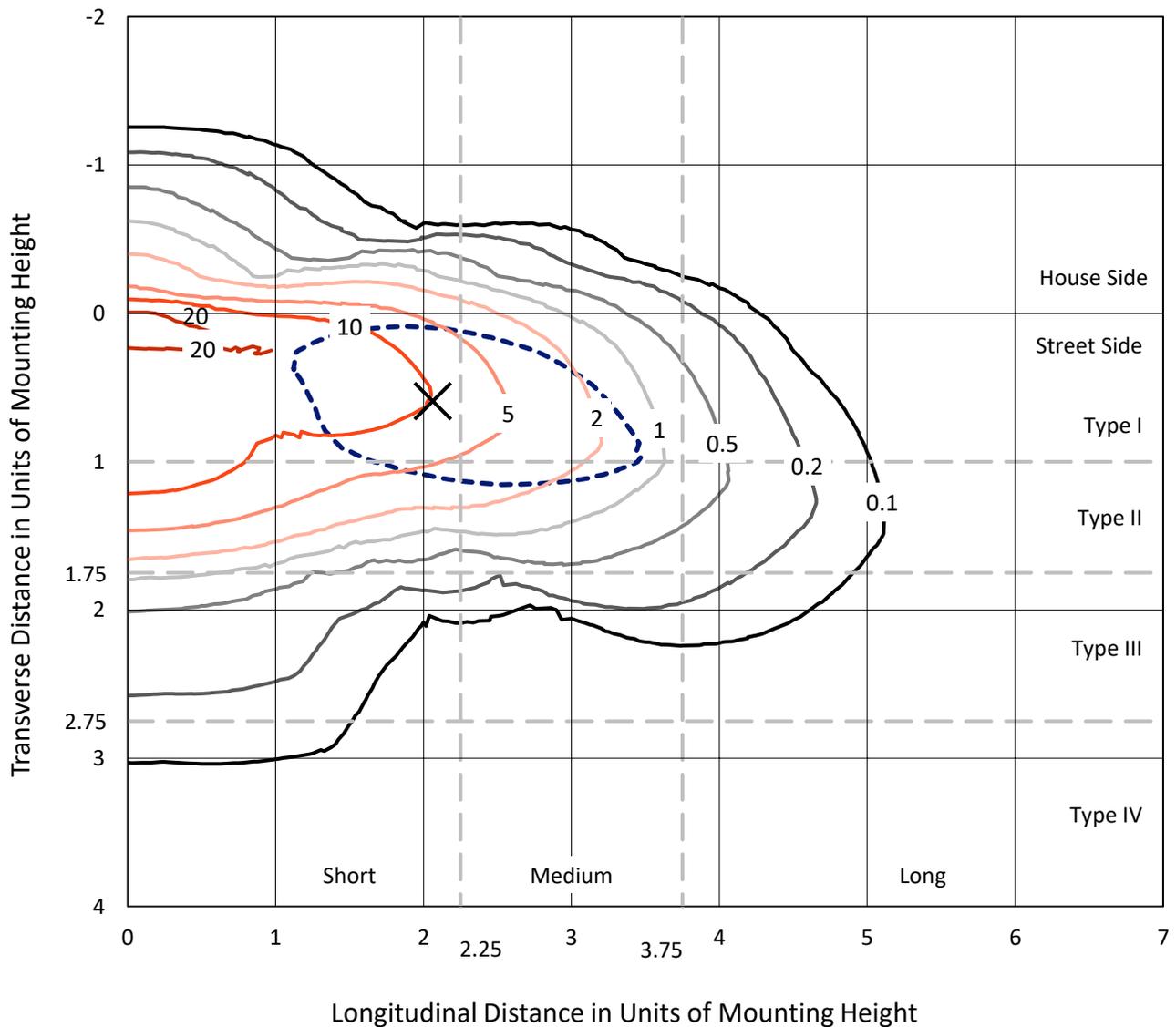
Input Watts (W): 129  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 28.75 FT



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### Iso-Footcandle Lines of Horizontal Illumination

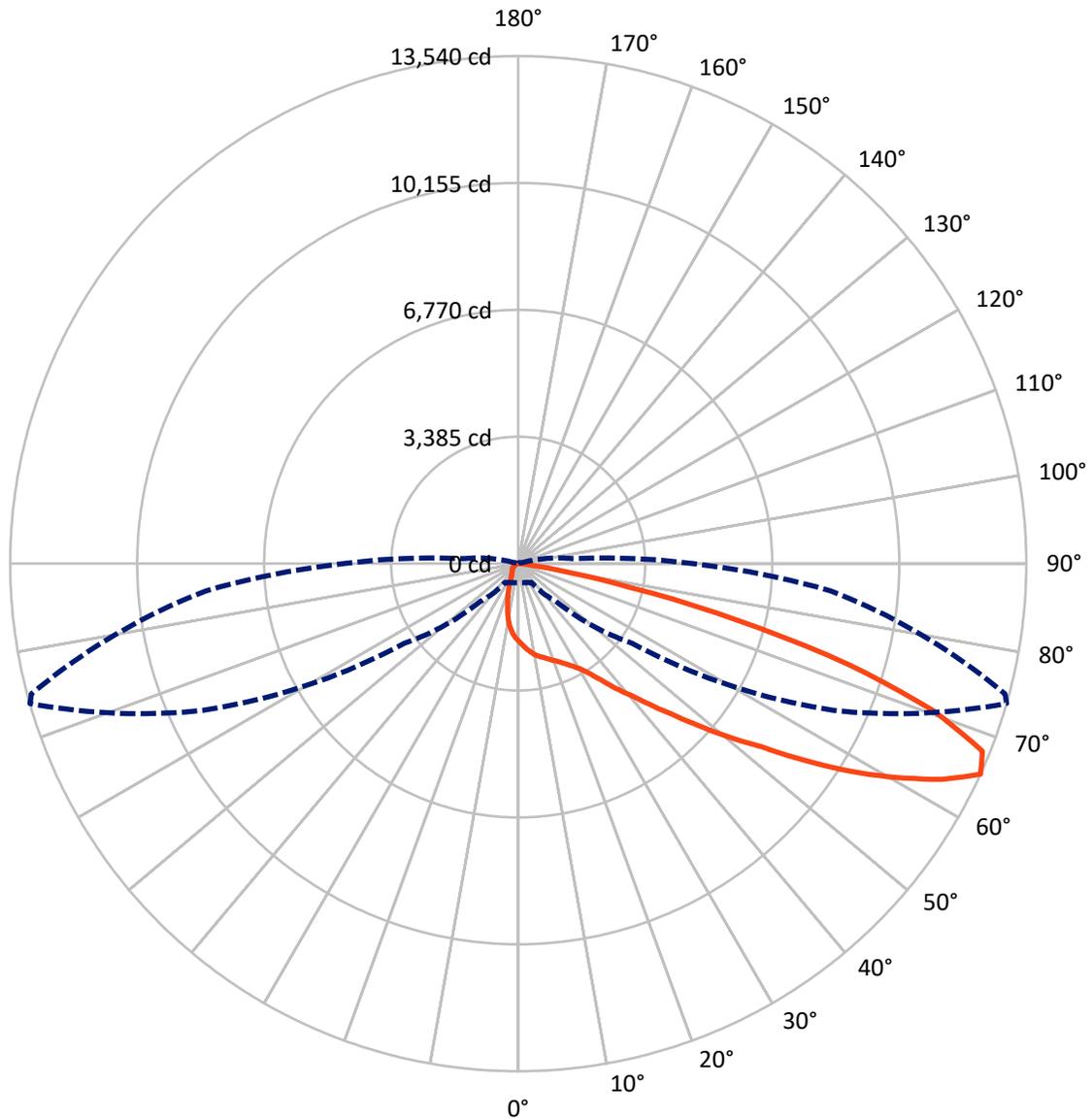
× Max cd  
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 25.1 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



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

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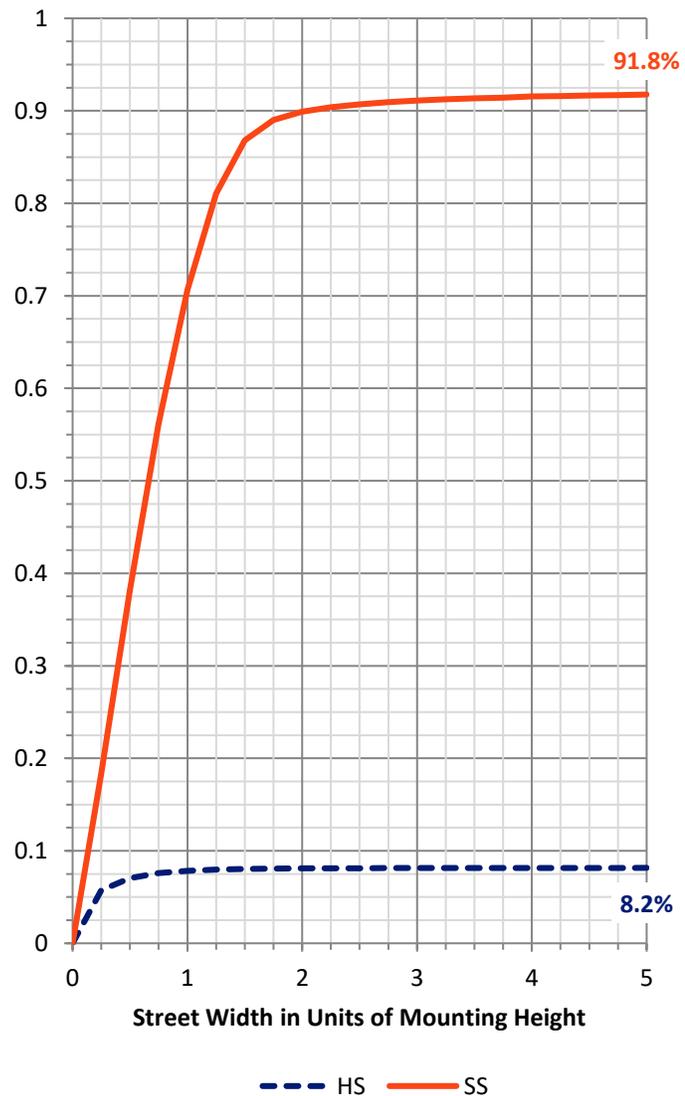
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	781.3	0.0	781.3
	% Fixture	8.2	0.0	8.2
<b>Street Side</b>	Lumens	8722.7	0.0	8722.7
	% Fixture	91.8	0.0	91.8
<b>Total</b>	Lumens	9504.0	0.0	9504.0
	% Fixture	100.0	0.0	100.0

**Coefficient of Utilization**

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	176.8	1.9
10°-20°	433.1	4.6
20°-30°	675.3	7.1
30°-40°	1065.9	11.2
40°-50°	1658.0	17.4
50°-60°	2396.7	25.2
60°-70°	2166.3	22.8
70°-80°	870.7	9.2
80°-90°	61.2	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°	9504.0	100.0
0°-180°	9504.0	100.0



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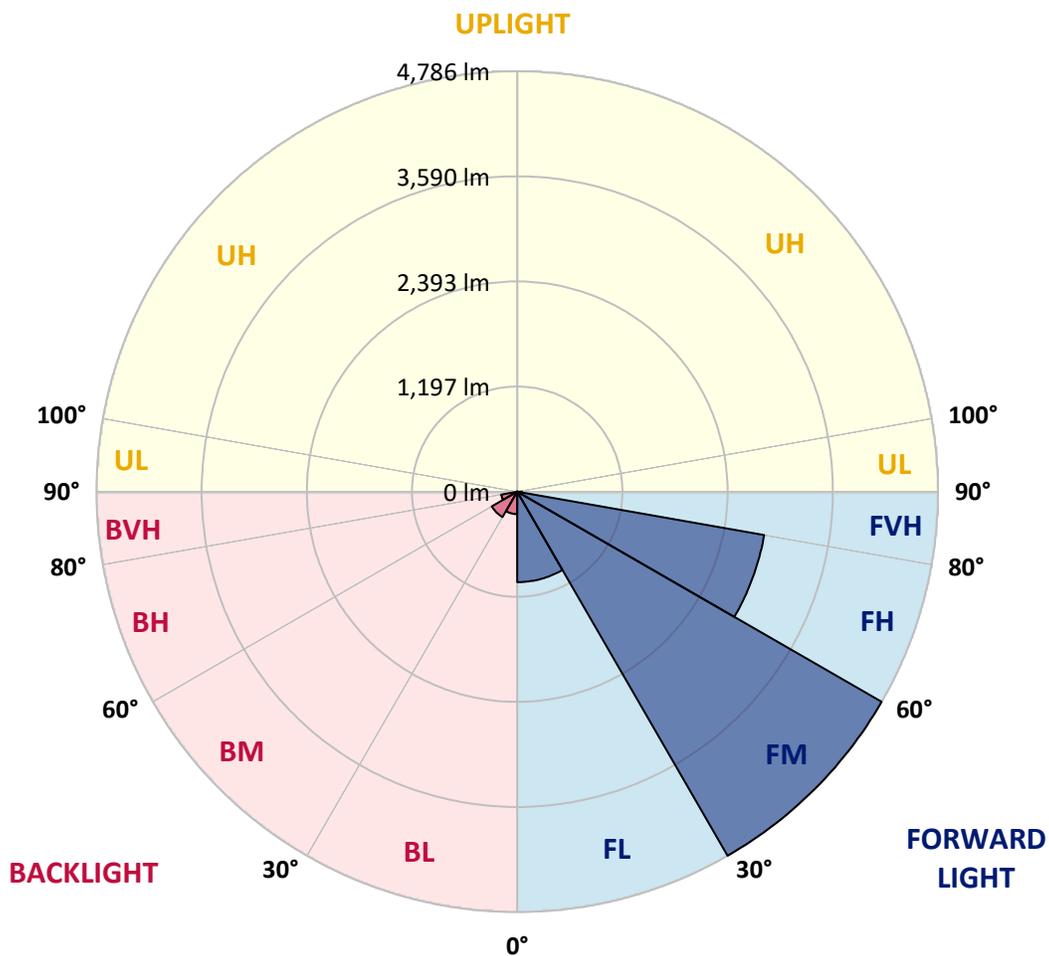
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.6	10.8			
FM (30°-60°)	4786.3	50.4			
FH (60°-80°)	2852.5	30.0			G2/5000
FVH (80°-90°)	54.3	0.6			G1/100
BL (0°-30°)	255.5	2.7	B1/500		
BM (30°-60°)	334.3	3.5	B1/1000		
BH (60°-80°)	184.6	1.9	B1/500		G1/500
BVH (80°-90°)	6.9	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





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7
2.5°	2336.6	2327.9	2332.3	2313.4	2310.5	2291.6	2249.4	2207.3	2168.1	2157.9	2109.9
5°	2506.6	2502.3	2497.9	2495.0	2481.9	2467.4	2407.8	2351.1	2278.5	2265.4	2165.1
7.5°	2551.7	2547.3	2556.0	2570.6	2579.3	2572.0	2528.4	2473.2	2381.7	2367.1	2221.8
10°	2451.4	2447.1	2486.3	2543.0	2595.3	2633.1	2617.1	2567.7	2471.8	2457.2	2261.1
12.5°	2230.5	2224.7	2288.7	2404.9	2528.4	2636.0	2667.9	2634.5	2544.4	2528.4	2293.0
15°	2028.6	2019.8	2083.8	2201.5	2357.0	2564.8	2686.8	2697.0	2604.0	2593.8	2327.9
17.5°	1921.0	1922.5	1961.7	2059.1	2208.7	2435.4	2666.5	2755.1	2683.9	2670.8	2365.7
20°	1964.6	1967.5	1971.9	2009.7	2099.8	2322.1	2621.4	2817.6	2762.4	2747.9	2413.6
22.5°	2091.0	2098.3	2086.7	2066.3	2078.0	2239.3	2574.9	2885.9	2852.5	2837.9	2447.1
25°	2326.4	2317.7	2281.4	2200.0	2141.9	2214.6	2558.9	2964.4	2965.8	2948.4	2487.7
27.5°	2606.9	2583.6	2540.1	2410.7	2268.3	2255.2	2554.6	3048.6	3098.1	3073.3	2534.2
30°	2845.2	2833.6	2779.8	2660.7	2447.1	2349.7	2566.2	3130.0	3255.0	3241.9	2595.3
32.5°	2999.2	2996.3	2957.1	2877.2	2689.7	2502.3	2617.1	3240.5	3491.8	3448.3	2711.5
35°	3128.6	3115.5	3085.0	3032.7	2919.3	2710.1	2724.6	3417.7	3811.5	3798.5	2897.5
37.5°	3275.3	3259.3	3223.0	3157.6	3079.2	2955.6	2896.1	3647.3	4218.4	4212.6	3143.1
40°	3445.3	3435.2	3398.8	3311.7	3214.3	3140.2	3074.8	3884.2	4612.2	4571.5	3369.8
42.5°	3612.5	3615.4	3587.8	3497.7	3365.4	3265.2	3287.0	4125.4	5125.2	5104.8	3722.9
45°	3802.8	3792.6	3778.1	3712.7	3570.3	3364.0	3490.4	4459.6	5720.9	5771.8	4235.8
47.5°	3936.5	3933.6	3962.7	3913.3	3795.6	3522.4	3699.6	4873.8	6453.3	6501.3	4799.7
50°	3971.4	3967.0	4064.4	4105.1	4100.7	3829.0	3987.4	5398.3	7258.3	7251.1	5430.3
52.5°	3747.6	3757.8	3946.7	4163.2	4365.2	4301.2	4506.1	6120.5	8118.6	8143.3	6023.2
55°	3105.3	3169.3	3378.5	3879.8	4411.7	4782.2	5174.6	7114.5	9253.5	9188.1	6489.6
57.5°	1947.2	1913.8	2266.9	2993.4	3839.1	4818.5	5715.1	8112.8	10465.4	10382.5	7175.5
60°	992.5	948.9	1155.2	1669.6	2665.0	4049.8	5726.7	8983.2	11582.8	11489.8	7868.6
62.5°	607.4	600.1	642.3	815.2	1380.5	2731.9	4962.4	9509.2	12675.6	12601.5	8338.0
65°	511.5	510.0	526.0	553.6	611.8	1418.2	3702.6	9252.0	13540.2	13432.6	8365.6
67.5°	453.4	453.4	486.8	499.9	406.9	610.3	2271.2	8182.5	13338.2	13317.8	7782.9
70°	390.9	385.1	431.6	470.8	338.6	313.9	1169.8	6573.9	11718.0	11784.8	6629.1
72.5°	295.0	300.8	348.7	401.1	277.5	220.9	534.7	4600.6	9227.3	9259.3	5209.4
75°	222.3	228.1	270.3	328.4	223.8	167.1	295.0	2989.1	6043.5	6116.2	3042.8
77.5°	170.0	171.5	213.6	271.7	172.9	127.9	199.1	1660.9	3063.2	2997.8	1182.8
80°	117.7	122.1	167.1	210.7	138.0	95.9	133.7	719.3	1105.8	1020.1	367.6
82.5°	43.6	56.7	117.7	152.6	97.4	68.3	98.8	289.2	324.0	303.7	135.1
85°	7.3	7.3	63.9	111.9	52.3	40.7	62.5	100.3	106.1	111.9	69.7
87.5°	0.0	0.0	7.3	24.7	8.7	5.8	17.4	24.7	50.9	56.7	37.8
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°	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7	2070.7
2.5°	2078.0	2047.4	1986.4	1934.1	1852.7	1781.5	1736.5	1701.6	1675.4	1644.9	1614.4
5°	2101.2	2030.0	1880.3	1711.8	1538.9	1383.4	1255.5	1139.2	1063.7	1055.0	1018.6
7.5°	2121.6	2008.2	1755.4	1456.0	1191.6	966.3	807.9	710.6	626.3	600.1	611.8
10°	2121.6	1970.4	1589.7	1178.5	860.2	630.7	514.4	450.5	427.2	417.0	408.3
12.5°	2115.7	1909.4	1381.9	918.4	598.7	459.2	406.9	383.6	370.5	364.7	361.8
15°	2107.0	1835.3	1177.0	685.9	457.7	393.8	367.6	350.2	338.6	332.8	328.4
17.5°	2101.2	1758.3	991.0	520.2	395.2	358.9	337.1	319.7	309.5	300.8	299.3
20°	2083.8	1668.2	810.8	427.2	358.9	328.4	305.2	289.2	279.0	268.8	268.8
22.5°	2056.2	1540.3	640.8	372.0	328.4	297.9	273.2	257.2	247.0	241.2	238.3
25°	2021.3	1413.9	508.6	340.0	299.3	265.9	244.1	228.1	219.4	216.5	213.6
27.5°	1982.1	1287.5	418.5	313.9	271.7	239.8	215.1	203.4	197.6	194.7	191.8
30°	1950.1	1172.7	363.3	292.1	245.6	213.6	191.8	181.6	177.3	175.8	172.9
32.5°	1953.0	1075.3	325.5	267.4	225.2	193.3	171.5	161.3	161.3	159.8	159.8
35°	2006.8	1014.3	299.3	245.6	203.4	172.9	154.0	145.3	148.2	148.2	146.8
37.5°	2064.9	953.2	274.6	222.3	184.5	154.0	135.1	130.8	132.2	133.7	133.7
40°	2140.4	908.2	254.3	200.5	165.7	138.0	122.1	117.7	117.7	117.7	116.2
42.5°	2311.9	903.8	236.9	181.6	148.2	122.1	110.4	104.6	101.7	100.3	97.4
45°	2553.1	935.8	225.2	164.2	130.8	110.4	100.3	93.0	84.3	79.9	78.5
47.5°	2864.1	1018.6	215.1	148.2	114.8	100.3	90.1	79.9	68.3	62.5	61.0
50°	3252.1	1148.0	204.9	135.1	103.2	90.1	78.5	65.4	53.8	48.0	48.0
52.5°	3615.4	1300.5	194.7	123.5	91.5	82.8	66.8	52.3	42.1	37.8	36.3
55°	3942.3	1472.0	183.1	110.4	82.8	72.7	55.2	40.7	30.5	26.2	24.7
57.5°	4336.1	1688.5	168.6	97.4	74.1	62.5	43.6	29.1	20.3	14.5	13.1
60°	4766.2	1797.5	149.7	85.7	63.9	52.3	33.4	20.3	11.6	5.8	5.8
62.5°	4905.7	1743.7	126.4	74.1	55.2	42.1	24.7	13.1	4.4	0.0	0.0
65°	4651.4	1493.8	107.5	65.4	48.0	32.0	17.4	7.3	0.0	0.0	0.0
67.5°	4065.8	1162.5	88.6	56.7	40.7	26.2	11.6	1.5	0.0	0.0	0.0
70°	3356.7	861.7	74.1	46.5	34.9	20.3	7.3	0.0	0.0	0.0	0.0
72.5°	2590.9	611.8	63.9	39.2	29.1	16.0	4.4	0.0	0.0	0.0	0.0
75°	1463.3	328.4	58.1	39.2	26.2	13.1	2.9	0.0	0.0	0.0	0.0
77.5°	604.5	151.1	50.9	39.2	26.2	14.5	4.4	0.0	0.0	0.0	0.0
80°	188.9	77.0	43.6	40.7	27.6	16.0	4.4	0.0	0.0	0.0	0.0
82.5°	88.6	59.6	45.0	37.8	24.7	14.5	4.4	0.0	0.0	0.0	0.0
85°	46.5	30.5	32.0	32.0	21.8	13.1	4.4	0.0	0.0	0.0	0.0
87.5°	13.1	1.5	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)