

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: P1209555

Luminaire Tested: UPW-SA2-130-740-U-SL3-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209555
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-4)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-130-740-U-SL3-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 70 CRI, 4000K, 1200mA 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: 11199 lumens
Efficiency: N/A
Efficacy: 86.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Short
BUG Rating: B1 - U0 - G2

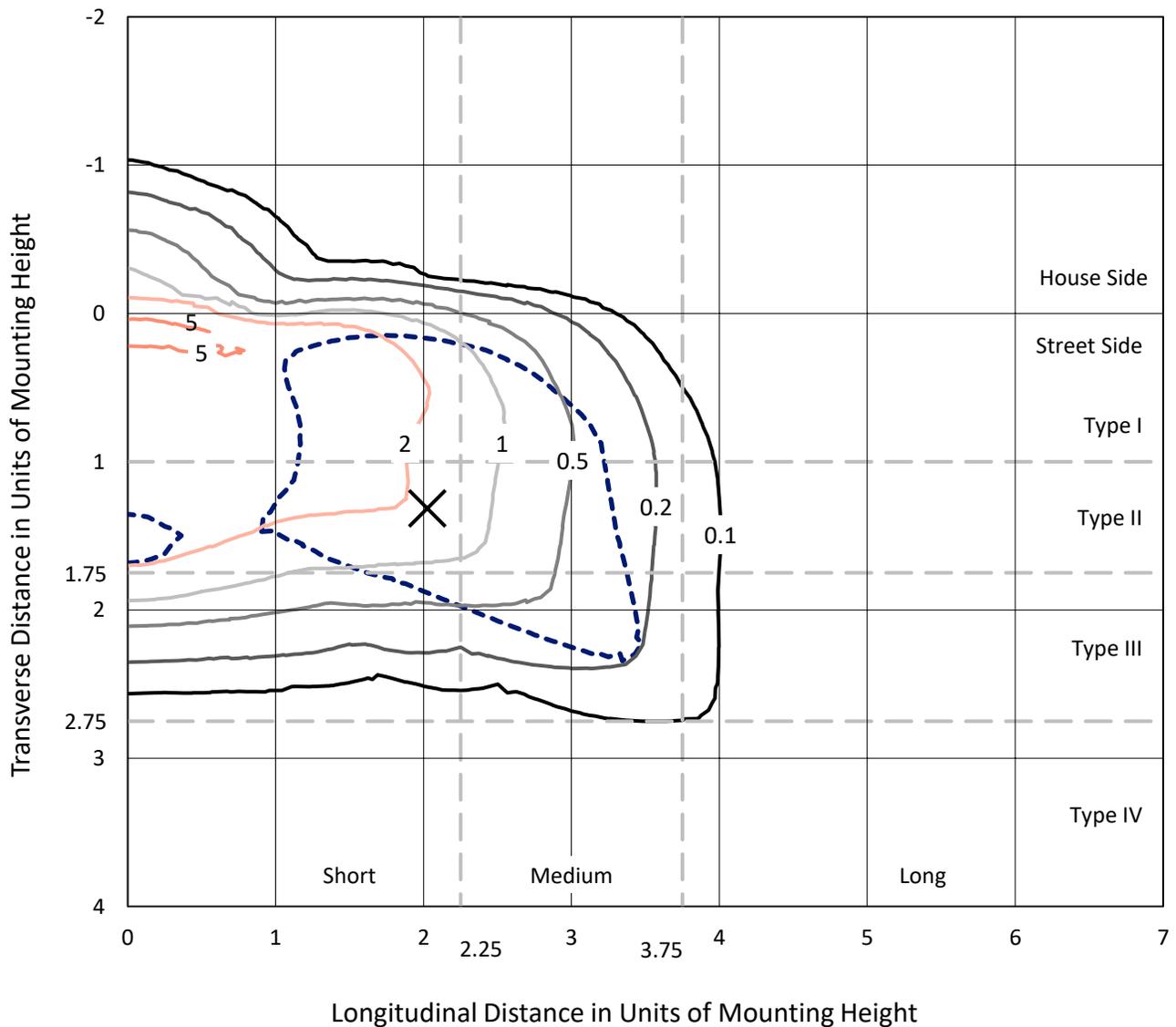
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

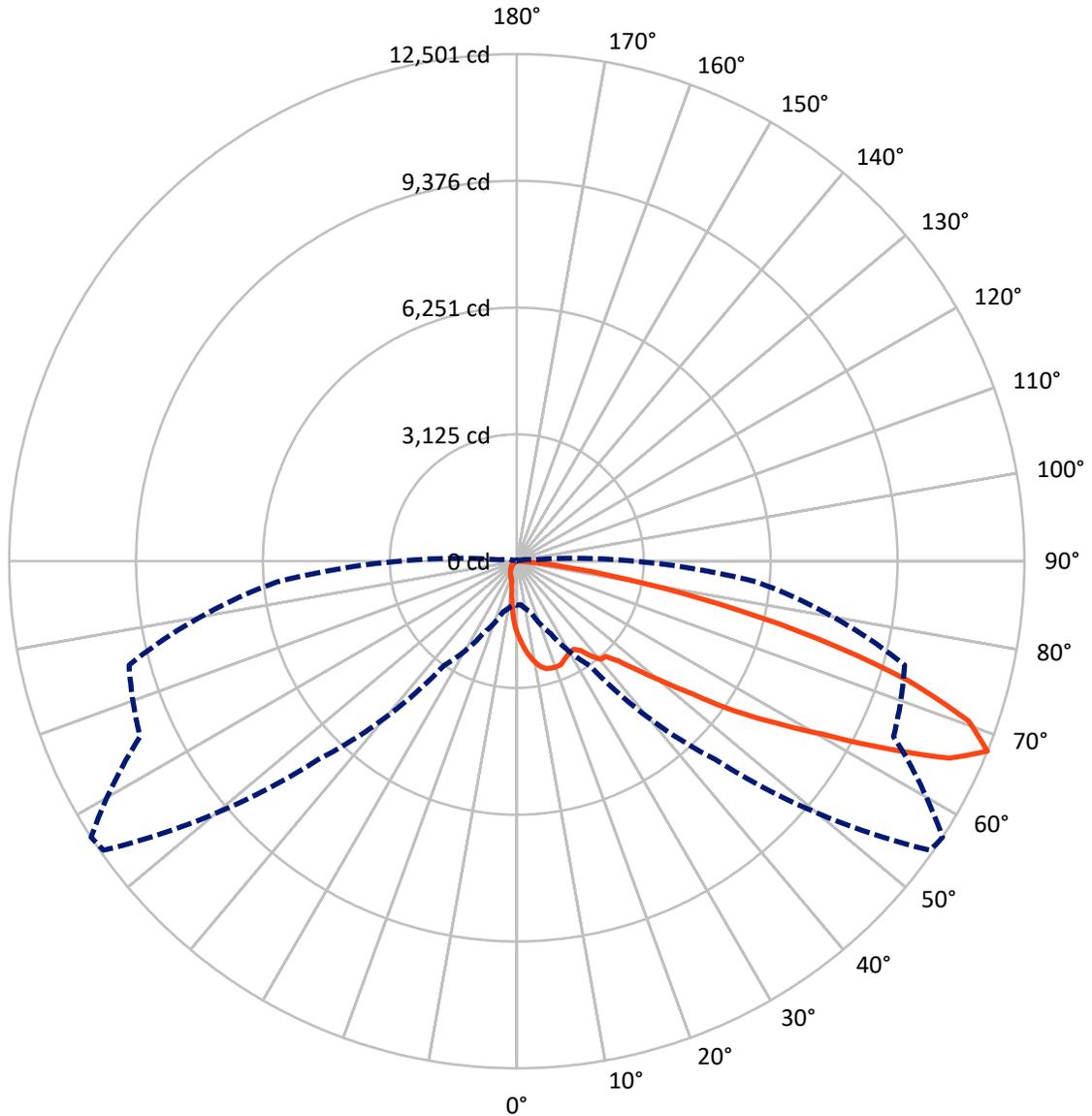
× Max cd
 - - - 1/2 Max cd



Based on 20 foot mounting height. Maximum calculated value = 6.3 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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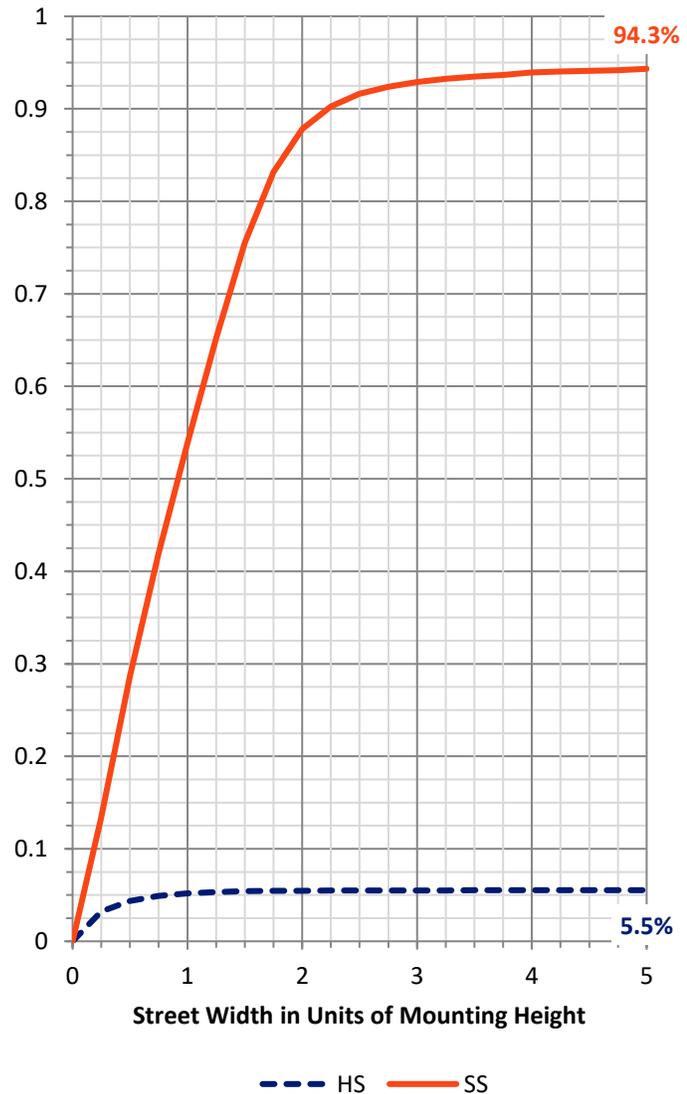
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	623.3	0.0	623.3
	% Fixture	5.6	0.0	5.6
Street Side	Lumens	10575.7	0.0	10575.7
	% Fixture	94.4	0.0	94.4
Total	Lumens	11199.0	0.0	11199.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	160.1	1.4
10°-20°	416.6	3.7
20°-30°	609.7	5.4
30°-40°	916.8	8.2
40°-50°	1495.7	13.4
50°-60°	2831.0	25.3
60°-70°	3235.2	28.9
70°-80°	1412.1	12.6
80°-90°	122.0	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°	11199.0	100.0
0°-180°	11199.0	100.0



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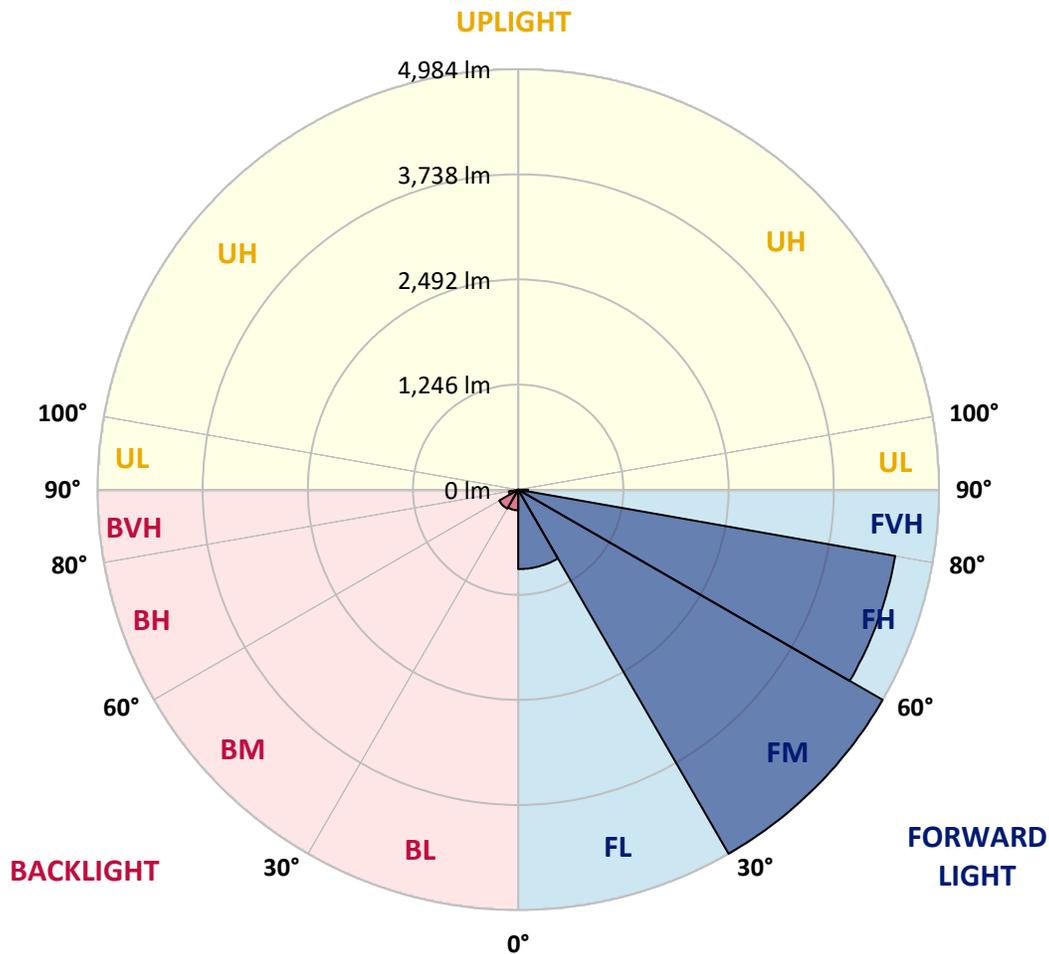
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	941.7	8.4			
FM	(30°-60°)	4983.8	44.5			
FH	(60°-80°)	4534.3	40.5			G2/5000
FVH	(80°-90°)	115.9	1.0			G2/225
BL	(0°-30°)	244.6	2.2	B1/500		
BM	(30°-60°)	259.7	2.3	B1/1000		
BH	(60°-80°)	112.9	1.0	B1/500		G1/500
BVH	(80°-90°)	6.1	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





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	57°	65°	75°	85°
0°	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7
2.5°	2103.3	2120.6	2127.6	2098.1	2070.2	2049.4	2007.7	1981.6	1941.6	1892.9	1825.1
5°	2412.7	2410.9	2393.6	2371.0	2358.8	2292.7	2223.2	2195.4	2131.1	2009.4	1877.3
7.5°	2529.1	2539.6	2551.7	2537.8	2517.0	2482.2	2400.5	2379.6	2285.8	2127.6	1941.6
10°	2475.2	2492.6	2513.5	2550.0	2619.5	2631.7	2569.1	2546.5	2433.5	2259.7	1995.5
12.5°	2226.7	2252.8	2287.5	2405.7	2567.4	2668.2	2682.1	2675.1	2579.5	2377.9	2033.7
15°	1896.4	1868.6	1959.0	2122.4	2388.3	2619.5	2744.7	2749.9	2701.2	2489.2	2075.5
17.5°	1647.8	1673.9	1713.9	1837.3	2113.7	2445.7	2736.0	2769.0	2791.6	2607.4	2124.1
20°	1606.1	1607.9	1625.3	1693.0	1837.3	2237.1	2706.4	2784.7	2902.9	2723.8	2145.0
22.5°	1646.1	1635.7	1644.4	1658.3	1748.7	2025.0	2643.9	2770.7	2968.9	2868.1	2188.4
25°	1698.3	1710.4	1694.8	1677.4	1729.5	1929.4	2570.9	2701.2	3068.0	2996.7	2207.6
27.5°	1844.3	1851.2	1809.5	1746.9	1766.0	1886.0	2457.9	2645.6	3217.5	3141.0	2238.8
30°	2082.4	2075.5	1988.5	1886.0	1842.5	1913.8	2386.6	2584.8	3297.4	3252.2	2223.2
32.5°	2259.7	2245.8	2160.6	2054.6	1978.1	2019.8	2386.6	2591.7	3459.1	3446.9	2252.8
35°	2419.6	2407.5	2301.4	2216.3	2150.2	2188.4	2520.4	2704.7	3690.3	3808.5	2357.0
37.5°	2593.4	2560.4	2477.0	2329.2	2308.4	2456.1	2809.0	2962.0	4057.0	4144.0	2360.5
40°	2868.1	2840.3	2706.4	2553.5	2440.5	2656.0	3035.0	3181.0	4316.0	4413.4	2346.6
42.5°	3245.3	3179.2	3014.1	2791.6	2610.8	2763.8	3061.0	3212.3	4512.5	4832.3	2480.5
45°	3655.5	3636.4	3406.9	3120.1	2928.9	2909.8	3337.4	3504.3	4948.8	5508.5	2770.7
47.5°	4248.3	4098.8	3796.3	3490.4	3327.0	3198.4	3761.5	4015.3	5480.7	6299.4	3203.6
50°	4872.3	4785.4	4324.7	3902.3	3702.4	3655.5	4432.5	4662.0	6162.1	7189.3	3924.9
52.5°	5936.1	5736.2	5113.9	4582.0	4236.1	4190.9	5162.6	5456.3	6930.4	8251.4	4653.3
55°	6652.2	6528.8	5903.1	5501.5	5047.8	4910.5	6196.8	6518.4	7870.7	9177.9	5381.6
57.5°	6881.7	6730.5	6167.3	6069.9	5965.6	6043.9	7269.3	7537.0	8522.6	9901.0	6026.5
60°	5962.2	5956.9	5635.4	5889.1	6405.4	7309.3	8536.5	8654.7	9051.0	10344.2	6428.0
62.5°	4288.2	4274.3	4338.6	4967.9	5930.9	8166.2	10279.9	10147.8	9509.9	10591.1	6645.3
65°	2223.2	2233.6	2556.9	3386.1	4771.5	8100.2	11875.6	11708.8	9793.2	10439.9	6492.3
67.5°	1084.7	1076.0	1286.3	1969.4	3151.4	6916.4	12423.2	12501.4	10238.2	9885.4	5939.6
70°	540.6	547.5	700.5	1039.5	1720.9	4967.9	11472.4	11804.4	9828.0	8705.1	5058.3
72.5°	380.7	385.9	476.3	617.1	804.8	3015.8	9522.1	10093.9	8202.7	6925.1	3565.1
75°	272.9	281.6	349.4	460.6	446.7	1514.0	7359.7	7698.7	5946.5	4276.1	1889.5
77.5°	198.2	210.3	272.9	354.6	309.4	636.2	5096.5	5087.8	3354.8	2032.0	764.8
80°	130.4	139.1	201.6	262.5	220.8	295.5	2986.3	2812.5	1484.5	778.7	278.1
82.5°	73.0	76.5	135.6	182.5	153.0	139.1	1335.0	1230.7	502.4	285.1	130.4
85°	5.2	8.7	80.0	114.7	81.7	69.5	373.7	339.0	161.7	130.4	69.5
87.5°	0.0	0.0	10.4	20.9	13.9	10.4	90.4	78.2	48.7	76.5	34.8
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°	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7	1781.7
2.5°	1797.3	1748.7	1675.7	1604.4	1534.9	1472.3	1427.1	1381.9	1362.8	1319.3	1394.1
5°	1807.8	1720.9	1547.0	1378.4	1232.4	1076.0	973.4	900.4	863.9	830.9	832.6
7.5°	1818.2	1686.1	1418.4	1133.3	923.0	757.9	665.7	632.7	618.8	601.4	601.4
10°	1806.0	1630.5	1234.1	891.7	677.9	589.3	538.9	526.7	533.6	531.9	537.1
12.5°	1806.0	1564.4	1046.4	695.3	556.2	504.1	490.2	488.4	498.9	505.8	509.3
15°	1783.4	1463.6	858.7	570.1	486.7	467.6	462.4	462.4	469.3	476.3	474.5
17.5°	1764.3	1362.8	702.2	490.2	445.0	439.8	436.3	432.8	441.5	448.5	450.2
20°	1717.4	1222.0	578.8	441.5	417.2	410.2	408.5	405.0	413.7	420.7	425.9
22.5°	1649.6	1062.1	495.4	405.0	392.8	384.2	378.9	380.7	389.4	396.3	392.8
25°	1559.2	921.3	434.6	378.9	361.6	356.3	349.4	352.9	354.6	361.6	366.8
27.5°	1460.1	783.9	394.6	358.1	340.7	330.3	321.6	319.8	321.6	330.3	326.8
30°	1314.1	664.0	366.8	333.7	314.6	300.7	290.3	285.1	283.3	285.1	286.8
32.5°	1202.9	584.0	347.6	314.6	290.3	272.9	260.7	250.3	246.8	243.4	243.4
35°	1131.6	540.6	328.5	288.5	266.0	248.6	229.4	217.3	210.3	206.9	208.6
37.5°	978.6	465.8	305.9	269.4	243.4	222.5	203.4	184.3	179.0	182.5	182.5
40°	850.0	399.8	285.1	246.8	217.3	198.2	177.3	154.7	151.2	161.7	163.4
42.5°	801.3	370.2	266.0	226.0	194.7	179.0	151.2	133.8	133.8	142.5	144.3
45°	860.4	361.6	248.6	206.9	175.6	158.2	130.4	114.7	114.7	123.4	125.2
47.5°	1048.2	375.5	231.2	187.7	161.7	139.1	107.8	100.8	100.8	104.3	106.0
50°	1446.2	420.7	213.8	168.6	147.8	118.2	93.9	86.9	85.2	86.9	86.9
52.5°	1952.0	511.0	194.7	151.2	130.4	99.1	81.7	74.7	69.5	69.5	67.8
55°	2463.1	608.4	175.6	133.8	113.0	85.2	69.5	62.6	53.9	50.4	48.7
57.5°	2913.3	686.6	153.0	118.2	97.3	73.0	60.8	46.9	34.8	27.8	27.8
60°	3193.1	707.5	132.1	102.6	80.0	62.6	48.7	31.3	17.4	13.9	12.2
62.5°	3245.3	641.4	113.0	86.9	67.8	52.1	34.8	17.4	7.0	1.7	1.7
65°	3104.5	505.8	97.3	73.0	55.6	41.7	22.6	8.7	0.0	0.0	0.0
67.5°	2868.1	398.1	81.7	60.8	46.9	33.0	13.9	1.7	0.0	0.0	0.0
70°	2501.3	318.1	71.3	52.1	40.0	27.8	8.7	0.0	0.0	0.0	0.0
72.5°	1842.5	210.3	62.6	46.9	34.8	20.9	5.2	0.0	0.0	0.0	0.0
75°	1008.2	133.8	57.4	43.5	33.0	17.4	3.5	0.0	0.0	0.0	0.0
77.5°	408.5	93.9	50.4	41.7	33.0	17.4	3.5	0.0	0.0	0.0	0.0
80°	154.7	66.1	43.5	36.5	31.3	17.4	3.5	0.0	0.0	0.0	0.0
82.5°	81.7	53.9	41.7	36.5	29.6	15.6	1.7	0.0	0.0	0.0	0.0
85°	40.0	17.4	20.9	20.9	24.3	13.9	1.7	0.0	0.0	0.0	0.0
87.5°	8.7	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)