

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: P1209634

Luminaire Tested: UPW-SA2-130-827-U-SL2-HSS

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209634
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-SA2-130-827-U-SL2-HSS
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 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: 8354 lumens
Efficiency: N/A
Efficacy: 65.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B1 - U0 - G2

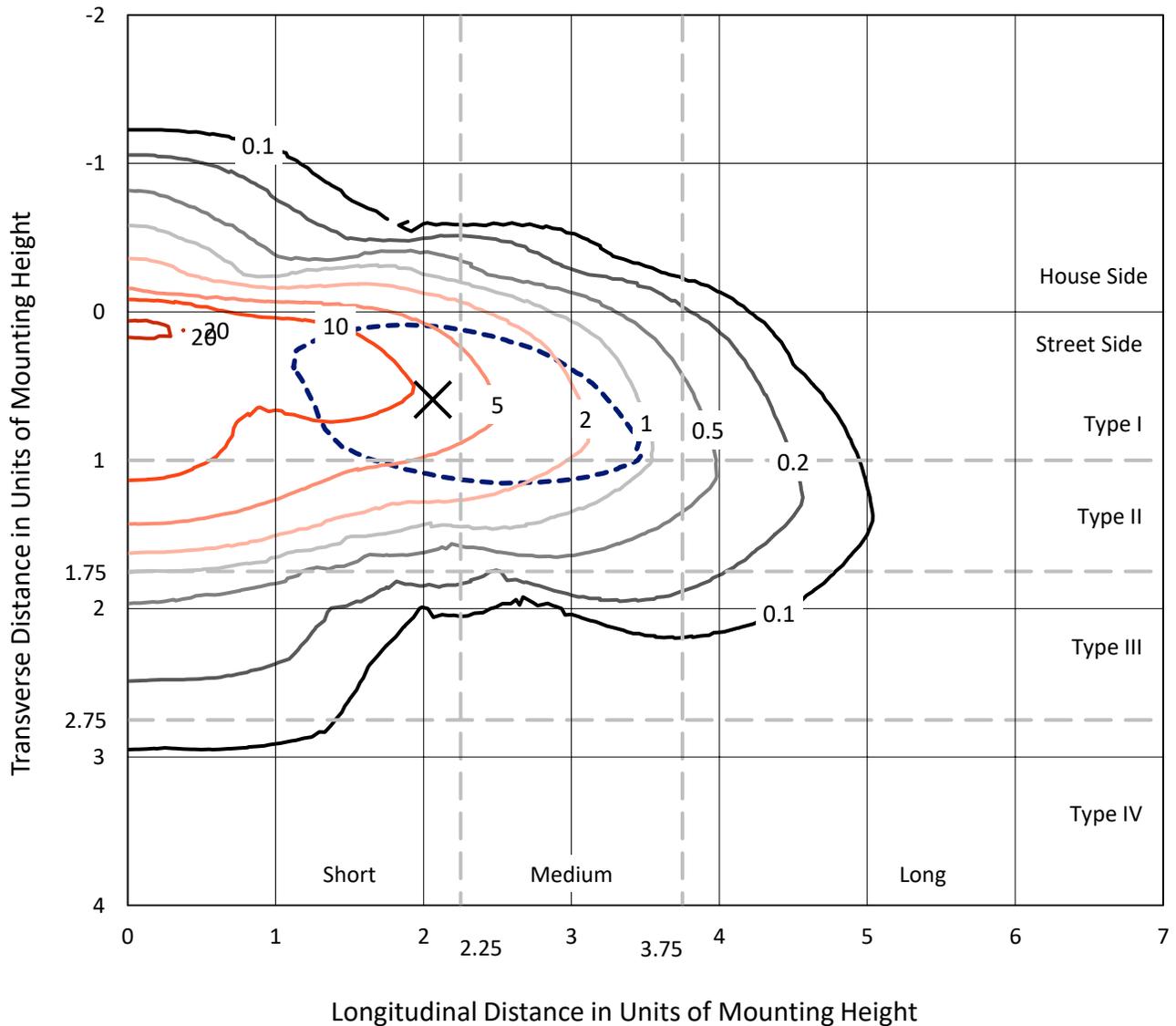
Input Watts (W): 128
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 28.75 FT



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Iso-Footcandle Lines of Horizontal Illumination

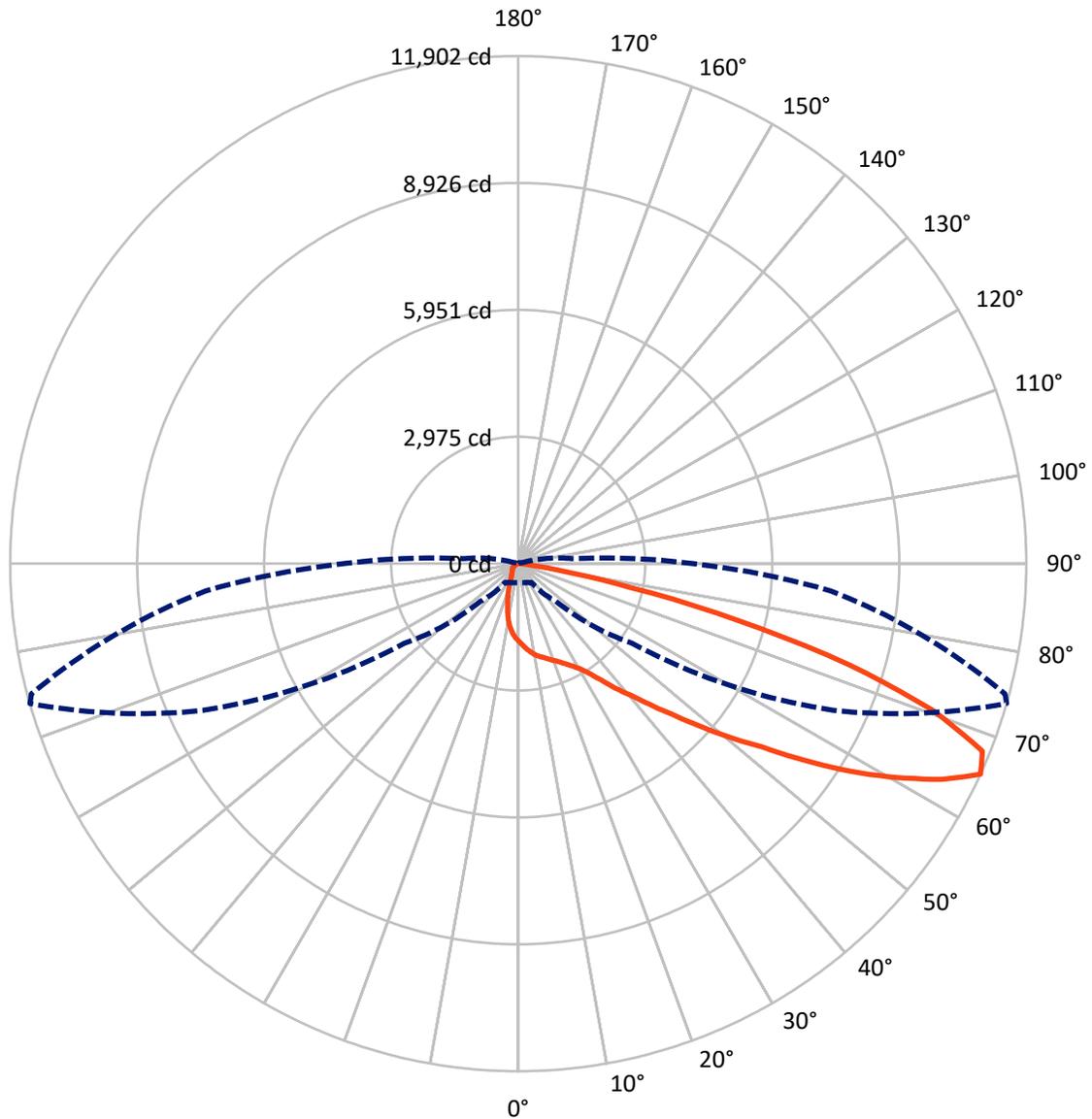
× Max cd
 - - - 1/2 Max cd



Based on 10 foot mounting height. Maximum calculated value = 22.1 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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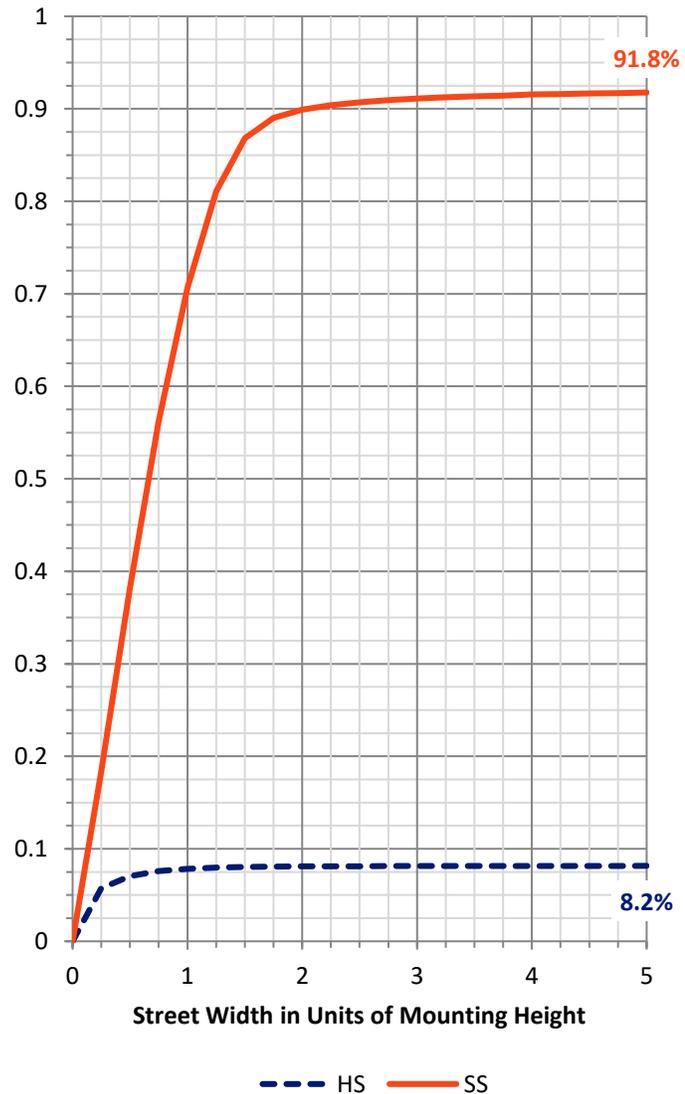
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	686.8	0.0	686.8
	% Fixture	8.2	0.0	8.2
Street Side	Lumens	7667.3	0.0	7667.3
	% Fixture	91.8	0.0	91.8
Total	Lumens	8354.0	0.0	8354.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	155.4	1.9
10°-20°	380.7	4.6
20°-30°	593.6	7.1
30°-40°	937.0	11.2
40°-50°	1457.4	17.4
50°-60°	2106.7	25.2
60°-70°	1904.2	22.8
70°-80°	765.4	9.2
80°-90°	53.8	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°	8354.0	100.0
0°-180°	8354.0	100.0



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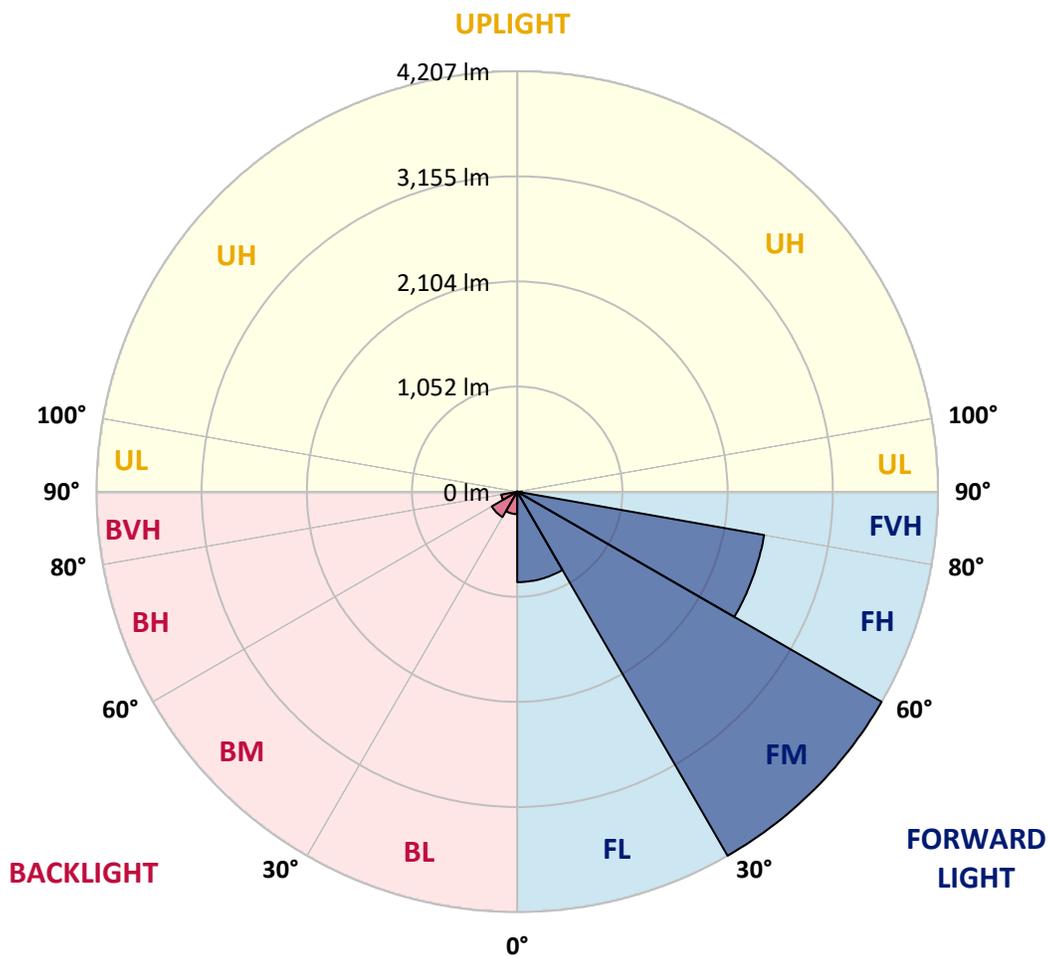
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	905.0	10.8			
FM	(30°-60°)	4207.2	50.4			
FH	(60°-80°)	2507.3	30.0			G2/5000
FVH	(80°-90°)	47.7	0.6			G1/100
BL	(0°-30°)	224.6	2.7	B1/500		
BM	(30°-60°)	293.8	3.5	B1/1000		
BH	(60°-80°)	162.3	1.9	B1/500		G1/500
BVH	(80°-90°)	6.0	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 II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1
2.5°	2053.9	2046.2	2050.1	2033.4	2030.9	2014.3	1977.2	1940.2	1905.7	1896.8	1854.6
5°	2203.3	2199.5	2195.7	2193.1	2181.6	2168.8	2116.5	2066.7	2002.8	1991.3	1903.2
7.5°	2242.9	2239.1	2246.8	2259.5	2267.2	2260.8	2222.5	2173.9	2093.5	2080.7	1953.0
10°	2154.8	2151.0	2185.4	2235.3	2281.2	2314.5	2300.4	2257.0	2172.7	2159.9	1987.5
12.5°	1960.6	1955.5	2011.7	2113.9	2222.5	2317.0	2345.1	2315.7	2236.5	2222.5	2015.6
15°	1783.1	1775.4	1831.6	1935.1	2071.8	2254.4	2361.7	2370.7	2288.9	2280.0	2046.2
17.5°	1688.6	1689.9	1724.3	1809.9	1941.5	2140.7	2343.8	2421.7	2359.2	2347.7	2079.4
20°	1726.9	1729.5	1733.3	1766.5	1845.7	2041.1	2304.2	2476.7	2428.1	2415.4	2121.6
22.5°	1838.0	1844.4	1834.2	1816.3	1826.5	1968.3	2263.4	2536.7	2507.3	2494.5	2151.0
25°	2044.9	2037.3	2005.3	1933.8	1882.7	1946.6	2249.3	2605.7	2606.9	2591.6	2186.7
27.5°	2291.5	2271.0	2232.7	2119.0	1993.9	1982.4	2245.5	2679.8	2723.2	2701.5	2227.6
30°	2500.9	2490.7	2443.5	2338.7	2151.0	2065.4	2255.7	2751.3	2861.1	2849.6	2281.2
32.5°	2636.3	2633.8	2599.3	2529.0	2364.3	2199.5	2300.4	2848.4	3069.3	3031.0	2383.4
35°	2750.0	2738.5	2711.7	2665.7	2566.1	2382.1	2394.9	3004.2	3350.3	3338.8	2546.9
37.5°	2879.0	2865.0	2833.0	2775.6	2706.6	2598.0	2545.6	3206.0	3708.0	3702.9	2762.8
40°	3028.5	3019.5	2987.6	2910.9	2825.4	2760.2	2702.7	3414.2	4054.1	4018.4	2962.0
42.5°	3175.3	3177.9	3153.6	3074.4	2958.2	2870.1	2889.2	3626.2	4505.0	4487.1	3272.4
45°	3342.7	3333.7	3321.0	3263.5	3138.3	2956.9	3068.1	3920.0	5028.7	5073.4	3723.3
47.5°	3460.2	3457.6	3483.2	3439.7	3336.3	3096.2	3252.0	4284.0	5672.4	5714.6	4218.9
50°	3490.8	3487.0	3572.6	3608.3	3604.5	3365.7	3504.9	4745.1	6380.1	6373.7	4773.2
52.5°	3294.1	3303.1	3469.1	3659.4	3837.0	3780.8	3960.9	5379.9	7136.2	7157.9	5294.4
55°	2729.6	2785.8	2969.7	3410.4	3877.9	4203.6	4548.4	6253.6	8133.8	8076.3	5704.4
57.5°	1711.6	1682.2	1992.6	2631.2	3374.6	4235.5	5023.6	7131.1	9199.0	9126.2	6307.3
60°	872.4	834.1	1015.4	1467.6	2342.6	3559.8	5033.8	7896.2	10181.3	10099.5	6916.5
62.5°	533.9	527.5	564.6	716.6	1213.4	2401.3	4361.9	8358.6	11141.8	11076.7	7329.1
65°	449.6	448.3	462.4	486.6	537.7	1246.6	3254.5	8132.5	11901.8	11807.3	7353.4
67.5°	398.5	398.5	427.9	439.4	357.6	536.5	1996.4	7192.4	11724.2	11706.4	6841.2
70°	343.6	338.5	379.4	413.8	297.6	275.9	1028.2	5778.5	10300.1	10358.8	5827.0
72.5°	259.3	264.4	306.5	352.5	244.0	194.1	470.0	4043.9	8110.8	8138.9	4579.1
75°	195.4	200.5	237.6	288.7	196.7	146.9	259.3	2627.4	5312.3	5376.1	2674.6
77.5°	149.4	150.7	187.8	238.9	152.0	112.4	175.0	1459.9	2692.5	2635.0	1039.7
80°	103.5	107.3	146.9	185.2	121.3	84.3	117.5	632.3	972.0	896.7	323.2
82.5°	38.3	49.8	103.5	134.1	85.6	60.0	86.9	254.2	284.8	267.0	118.8
85°	6.4	6.4	56.2	98.4	46.0	35.8	54.9	88.1	93.2	98.4	61.3
87.5°	0.0	0.0	6.4	21.7	7.7	5.1	15.3	21.7	44.7	49.8	33.2
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°	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1	1820.1
2.5°	1826.5	1799.7	1746.1	1700.1	1628.5	1566.0	1526.4	1495.7	1472.7	1445.9	1419.1
5°	1847.0	1784.4	1652.8	1504.6	1352.7	1216.0	1103.6	1001.4	935.0	927.3	895.4
7.5°	1864.8	1765.2	1543.0	1279.8	1047.4	849.4	710.2	624.6	550.5	527.5	537.7
10°	1864.8	1732.0	1397.4	1035.9	756.2	554.3	452.2	396.0	375.5	366.6	358.9
12.5°	1859.7	1678.4	1214.7	807.2	526.2	403.6	357.6	337.2	325.7	320.6	318.0
15°	1852.1	1613.2	1034.6	602.9	402.3	346.1	323.2	307.8	297.6	292.5	288.7
17.5°	1847.0	1545.5	871.1	457.3	347.4	315.5	296.3	281.0	272.1	264.4	263.1
20°	1831.6	1466.3	712.7	375.5	315.5	288.7	268.2	254.2	245.2	236.3	236.3
22.5°	1807.4	1353.9	563.3	327.0	288.7	261.8	240.1	226.1	217.1	212.0	209.5
25°	1776.7	1242.8	447.1	298.9	263.1	233.7	214.6	200.5	192.9	190.3	187.8
27.5°	1742.2	1131.7	367.9	275.9	238.9	210.8	189.0	178.8	173.7	171.2	168.6
30°	1714.1	1030.8	319.3	256.7	215.9	187.8	168.6	159.7	155.8	154.6	152.0
32.5°	1716.7	945.2	286.1	235.0	198.0	169.9	150.7	141.8	141.8	140.5	140.5
35°	1763.9	891.5	263.1	215.9	178.8	152.0	135.4	127.7	130.3	130.3	129.0
37.5°	1815.0	837.9	241.4	195.4	162.2	135.4	118.8	115.0	116.2	117.5	117.5
40°	1881.4	798.3	223.5	176.3	145.6	121.3	107.3	103.5	103.5	103.5	102.2
42.5°	2032.2	794.5	208.2	159.7	130.3	107.3	97.1	92.0	89.4	88.1	85.6
45°	2244.2	822.6	198.0	144.3	115.0	97.1	88.1	81.7	74.1	70.3	69.0
47.5°	2517.5	895.4	189.0	130.3	100.9	88.1	79.2	70.3	60.0	54.9	53.6
50°	2858.6	1009.1	180.1	118.8	90.7	79.2	69.0	57.5	47.3	42.2	42.2
52.5°	3177.9	1143.2	171.2	108.6	80.5	72.8	58.8	46.0	37.0	33.2	31.9
55°	3465.3	1293.9	160.9	97.1	72.8	63.9	48.5	35.8	26.8	23.0	21.7
57.5°	3811.4	1484.2	148.2	85.6	65.1	54.9	38.3	25.5	17.9	12.8	11.5
60°	4189.5	1580.0	131.6	75.4	56.2	46.0	29.4	17.9	10.2	5.1	5.1
62.5°	4312.1	1532.7	111.1	65.1	48.5	37.0	21.7	11.5	3.8	0.0	0.0
65°	4088.6	1313.1	94.5	57.5	42.2	28.1	15.3	6.4	0.0	0.0	0.0
67.5°	3573.9	1021.8	77.9	49.8	35.8	23.0	10.2	1.3	0.0	0.0	0.0
70°	2950.5	757.4	65.1	40.9	30.7	17.9	6.4	0.0	0.0	0.0	0.0
72.5°	2277.4	537.7	56.2	34.5	25.5	14.1	3.8	0.0	0.0	0.0	0.0
75°	1286.2	288.7	51.1	34.5	23.0	11.5	2.6	0.0	0.0	0.0	0.0
77.5°	531.4	132.8	44.7	34.5	23.0	12.8	3.8	0.0	0.0	0.0	0.0
80°	166.0	67.7	38.3	35.8	24.3	14.1	3.8	0.0	0.0	0.0	0.0
82.5°	77.9	52.4	39.6	33.2	21.7	12.8	3.8	0.0	0.0	0.0	0.0
85°	40.9	26.8	28.1	28.1	19.2	11.5	3.8	0.0	0.0	0.0	0.0
87.5°	11.5	1.3	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)