

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: P1209392

Luminaire Tested: UPW-SA2-110-827-U-SL2

Issue Date: 11/4/2025

Test Information

Test Method: LM-79-2024
Report Number: P1209392
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2308-136-1)
Test Lab: INNOVATIONS CENTER
Issue Date: 2/21/2026
Manufacturer: COOPER LIGHTING SOLUTIONS
Product Line: STREETWORKS
Catalog Number: UPW-SA2-110-827-U-SL2
Description: UNDERPASS WALL MOUNT LUMINAIRE
(2) 80 CRI, 2700K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10408 lumens
Efficiency: N/A
Efficacy: 93.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Medium
BUG Rating: B1 - U0 - G2

Input Watts (W): 111
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

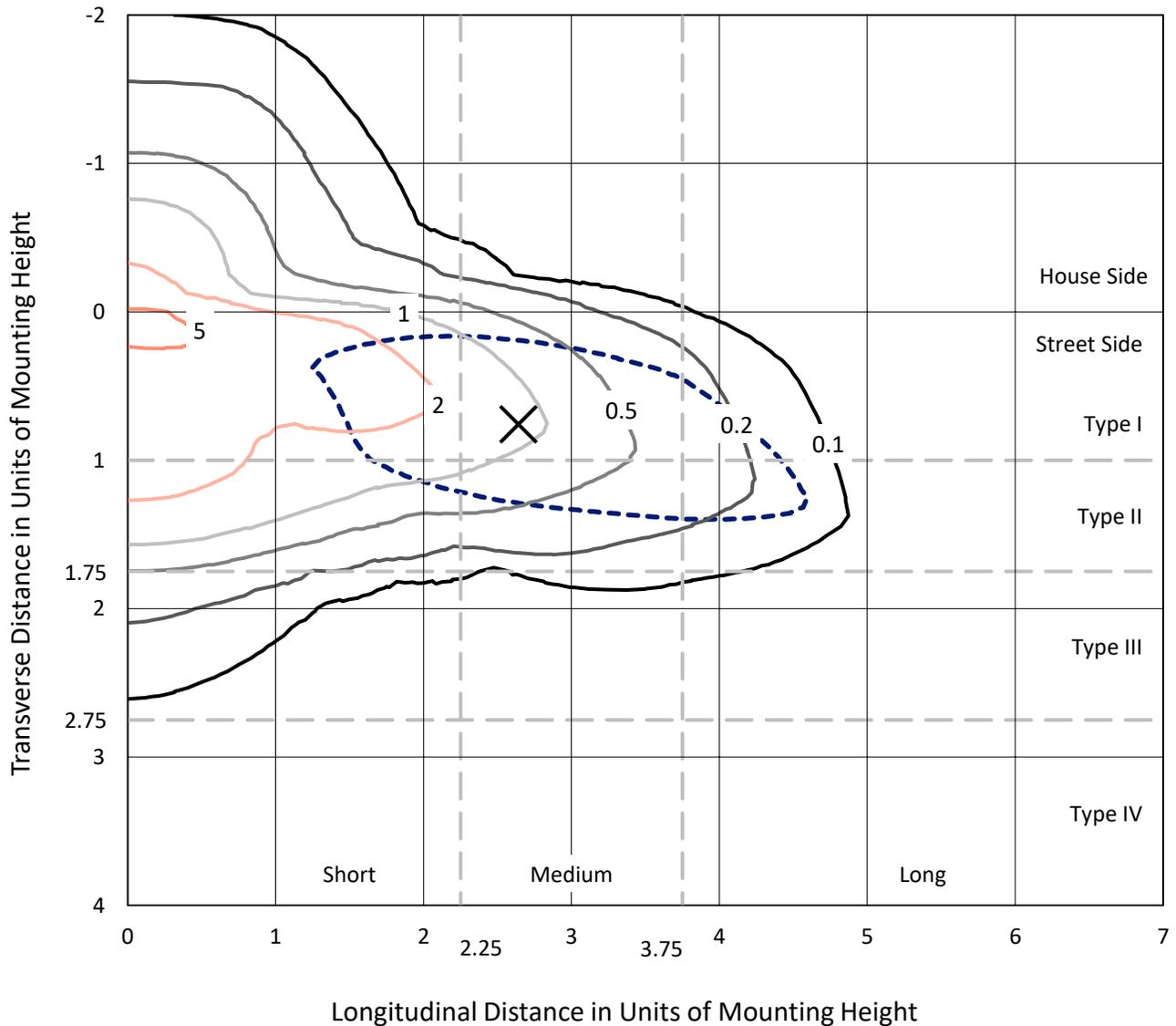


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Iso-Footcandle Lines of Horizontal Illumination

× Max cd
 - - - 1/2 Max cd

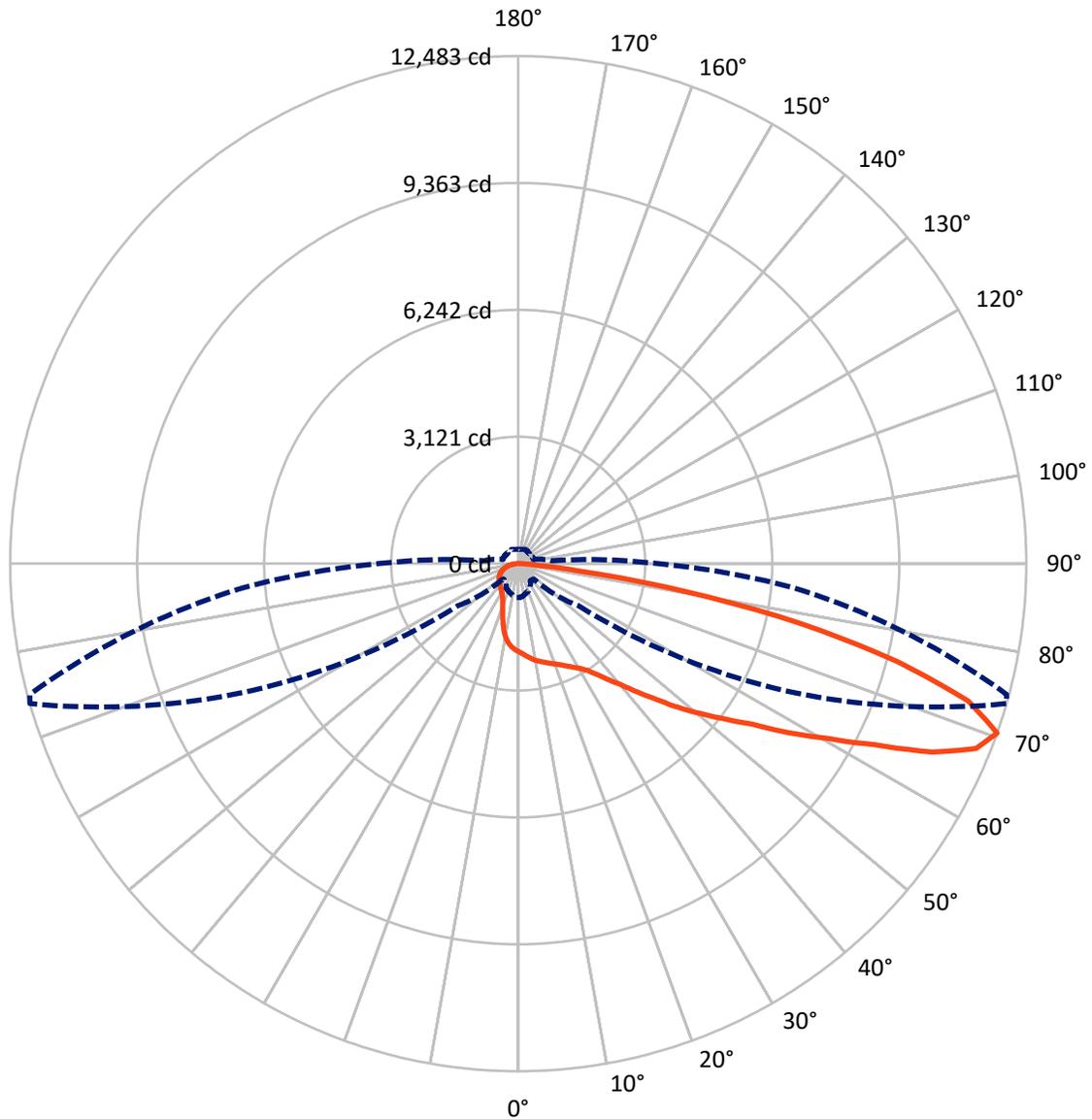


Based on 20 foot mounting height. Maximum calculated value = 6 fc
 Type II - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 74-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

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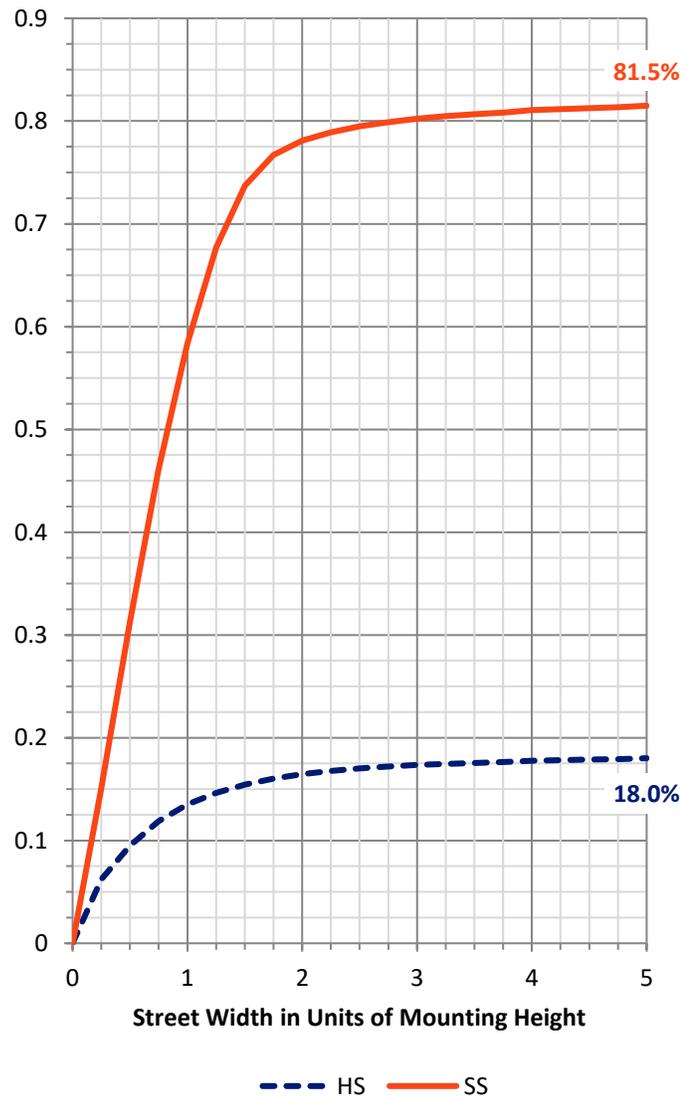
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1905.0	0.0	1905.0
	% Fixture	18.3	0.0	18.3
Street Side	Lumens	8503.0	0.0	8503.0
	% Fixture	81.7	0.0	81.7
Total	Lumens	10408.0	0.0	10408.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	190.4	1.8
10°-20°	500.7	4.8
20°-30°	792.9	7.6
30°-40°	1181.5	11.4
40°-50°	1629.2	15.7
50°-60°	2185.0	21.0
60°-70°	2267.6	21.8
70°-80°	1434.9	13.8
80°-90°	225.9	2.2
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°	10408.0	100.0
0°-180°	10408.0	100.0



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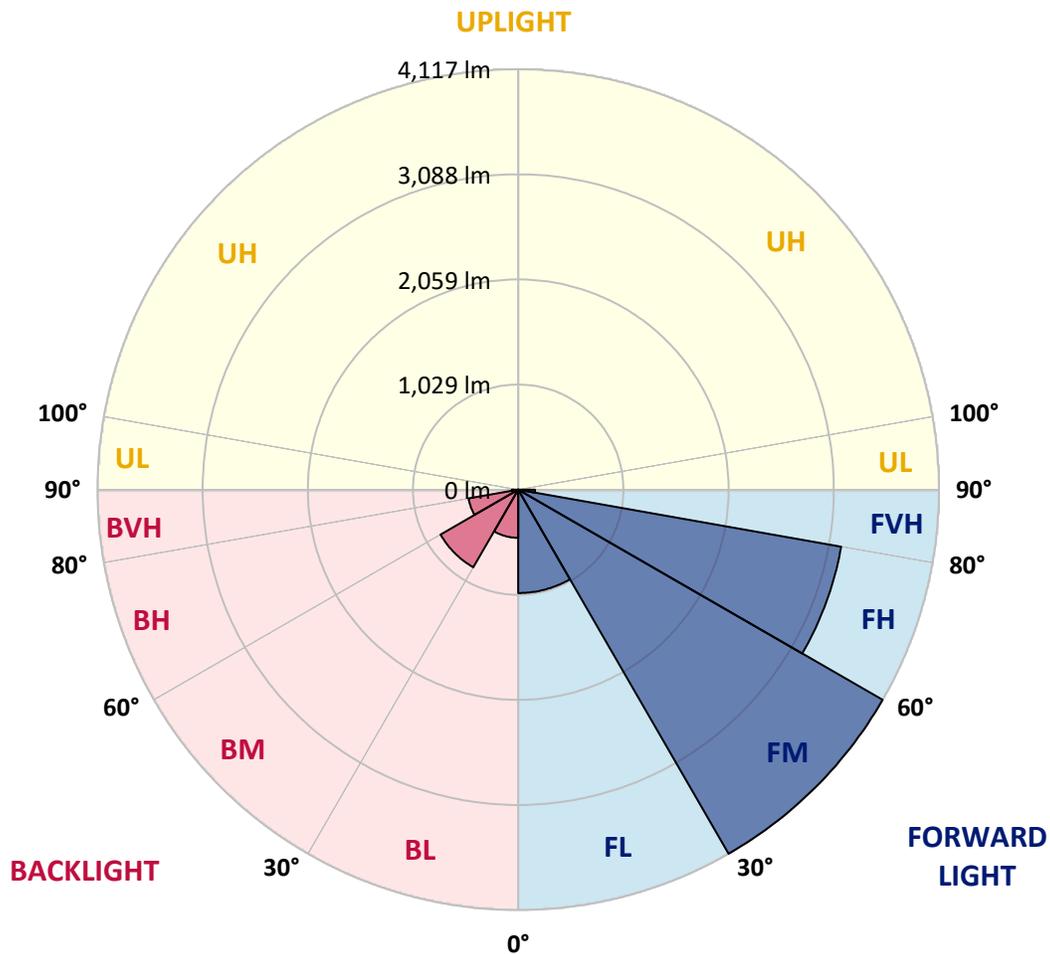
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1012.5	9.7			
FM (30°-60°)	4117.3	39.6			
FH (60°-80°)	3209.1	30.8			G2/5000
FVH (80°-90°)	164.1	1.6			G2/225
BL (0°-30°)	471.5	4.5	B1/500		
BM (30°-60°)	878.4	8.4	B1/1000		
BH (60°-80°)	493.4	4.7	B1/500		G1/500
BVH (80°-90°)	61.7	0.6			G1/100
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3
2.5°	2317.6	2314.1	2305.9	2305.9	2302.4	2294.3	2271.0	2246.5	2223.2	2220.9	2190.6
5°	2413.1	2407.2	2406.1	2406.1	2401.4	2393.3	2361.8	2328.0	2294.3	2287.3	2232.5
7.5°	2458.5	2453.8	2455.0	2460.8	2470.1	2463.1	2435.2	2406.1	2360.6	2354.8	2273.3
10°	2434.0	2437.5	2451.5	2484.1	2507.4	2520.2	2496.9	2470.1	2423.5	2416.5	2305.9
12.5°	2279.1	2289.6	2333.9	2417.7	2506.2	2555.1	2554.0	2526.0	2470.1	2464.3	2331.5
15°	2045.0	2032.2	2113.8	2247.7	2408.4	2547.0	2592.4	2579.6	2523.7	2515.5	2361.8
17.5°	1929.7	1930.9	1967.0	2049.7	2226.7	2480.6	2613.4	2633.2	2580.8	2570.3	2395.6
20°	1976.3	1975.2	1978.7	2006.6	2091.6	2345.5	2614.5	2691.4	2636.7	2629.7	2425.9
22.5°	2109.1	2104.4	2094.0	2070.7	2073.0	2225.6	2598.2	2755.4	2707.7	2693.7	2446.8
25°	2294.3	2282.6	2248.8	2196.4	2140.5	2189.4	2556.3	2830.0	2789.2	2774.1	2469.0
27.5°	2505.1	2502.7	2466.6	2366.5	2260.5	2234.9	2508.6	2911.5	2885.9	2864.9	2493.4
30°	2722.8	2710.0	2676.3	2569.1	2435.2	2333.9	2494.6	3001.2	2988.4	2961.6	2513.2
32.5°	2841.6	2835.8	2813.7	2748.5	2632.0	2477.1	2535.3	3093.2	3135.1	3115.3	2556.3
35°	2936.0	2925.5	2902.2	2875.4	2816.0	2665.8	2629.7	3203.8	3354.1	3319.1	2648.3
37.5°	3025.6	3014.0	2997.7	2972.1	2933.6	2846.3	2767.1	3355.2	3631.2	3606.8	2788.1
40°	3125.8	3113.0	3092.0	3074.5	3021.0	2994.2	2896.4	3499.6	3928.2	3916.6	2955.8
42.5°	3201.5	3187.5	3177.0	3165.4	3107.2	3057.1	2997.7	3637.0	4328.8	4299.7	3178.2
45°	3257.4	3249.2	3249.2	3235.3	3196.8	3059.4	3068.7	3821.1	4759.7	4750.4	3485.7
47.5°	3317.9	3307.5	3313.3	3300.5	3288.8	3061.7	3156.1	4066.8	5278.0	5269.8	3829.2
50°	3390.2	3379.7	3403.0	3384.3	3389.0	3131.6	3280.7	4374.2	5790.4	5770.6	4194.9
52.5°	3399.5	3397.1	3455.4	3497.3	3531.1	3291.2	3491.5	4741.1	6350.6	6350.6	4621.1
55°	3210.8	3206.1	3319.1	3497.3	3687.1	3597.5	3882.8	5315.2	6970.1	6986.4	5000.8
57.5°	2607.5	2629.7	2820.7	3171.2	3679.0	4034.2	4461.6	6014.0	7843.6	7790.0	5373.5
60°	1658.4	1691.0	1843.6	2325.7	3129.3	4107.5	5084.6	6901.4	8729.8	8627.4	5866.1
62.5°	1095.9	1067.9	1070.3	1297.4	2013.6	3451.9	5206.9	7953.1	9799.0	9724.4	6304.0
65°	974.8	955.0	856.0	796.6	978.3	2155.7	4427.8	8711.2	11173.2	10964.7	6639.4
67.5°	924.7	904.9	812.9	720.9	616.1	1101.7	3146.8	8571.5	12132.8	12001.2	6887.4
70°	837.3	825.7	751.2	680.1	514.8	532.2	1815.6	7524.5	12483.4	12420.5	6774.5
72.5°	727.9	713.9	663.8	614.9	451.9	392.5	871.1	5965.1	11562.2	11557.5	6295.8
75°	596.3	584.6	543.9	527.6	382.0	321.4	495.0	4189.1	9632.4	9581.2	5595.9
77.5°	488.0	471.7	443.7	430.9	316.8	258.5	348.2	2924.3	7108.7	6974.8	3916.6
80°	354.0	343.6	316.8	347.1	250.4	200.3	258.5	1819.1	4177.4	3904.9	1467.4
82.5°	215.5	194.5	218.9	265.5	185.2	143.2	189.8	1014.4	1497.7	1316.0	437.9
85°	100.2	102.5	128.1	170.0	110.6	83.9	118.8	443.7	434.4	415.8	184.0
87.5°	16.3	17.5	48.9	74.5	46.6	28.0	47.7	97.8	164.2	168.9	79.2
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°	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3	2167.3
2.5°	2172.0	2153.3	2119.6	2082.3	2040.4	2001.9	1985.6	1932.1	1919.3	1915.8	1889.0
5°	2194.1	2153.3	2064.8	1960.0	1837.7	1727.1	1604.8	1507.0	1452.3	1447.6	1454.6
7.5°	2216.2	2152.2	1990.3	1778.3	1561.7	1347.4	1217.0	1140.1	1086.6	1073.8	1077.3
10°	2227.9	2135.9	1876.2	1550.1	1250.8	1094.7	1020.2	993.4	985.3	978.3	978.3
12.5°	2230.2	2099.8	1724.8	1304.4	1067.9	992.2	971.3	964.3	963.1	962.0	959.6
15°	2232.5	2054.4	1531.5	1114.5	985.3	960.8	952.6	951.5	953.8	952.6	952.6
17.5°	2230.2	1992.6	1343.9	1005.1	955.0	945.7	941.0	939.8	943.3	942.2	941.0
20°	2222.1	1913.4	1161.1	949.1	934.0	931.7	925.9	921.2	925.9	927.0	925.9
22.5°	2190.6	1797.0	1029.5	914.2	914.2	914.2	907.2	901.4	909.6	911.9	913.0
25°	2141.7	1657.2	931.7	885.1	890.9	888.6	888.6	887.4	895.6	897.9	899.1
27.5°	2090.5	1511.7	863.0	853.7	863.0	868.8	879.3	880.4	880.4	878.1	876.9
30°	2025.2	1353.3	818.7	825.7	838.5	859.5	878.1	875.8	867.6	859.5	860.6
32.5°	1972.8	1225.2	775.6	801.2	824.5	854.8	871.1	874.6	873.5	859.5	859.5
35°	1953.0	1122.7	746.5	780.3	815.2	843.2	850.2	865.3	863.0	845.5	844.3
37.5°	1965.8	1040.0	720.9	758.2	801.2	815.2	830.4	833.9	804.7	786.1	781.4
40°	1993.8	979.4	697.6	730.2	778.0	789.6	810.6	779.1	754.7	739.5	741.9
42.5°	2071.8	953.8	676.6	698.8	743.0	769.8	761.6	752.3	718.6	694.1	691.8
45°	2195.3	952.6	658.0	666.2	703.4	731.4	730.2	719.7	683.6	658.0	654.5
47.5°	2364.1	975.9	638.2	635.9	666.2	683.6	699.9	683.6	646.4	617.2	613.7
50°	2565.6	1036.5	619.6	604.4	625.4	652.2	660.3	648.7	613.7	585.8	582.3
52.5°	2807.9	1120.3	603.3	576.5	582.3	619.6	638.2	627.7	588.1	557.8	553.2
55°	3043.1	1199.5	581.1	547.4	538.0	589.3	618.4	617.2	559.0	527.6	525.2
57.5°	3284.2	1274.1	556.7	522.9	507.8	556.7	597.4	602.1	528.7	495.0	495.0
60°	3528.7	1326.5	526.4	497.3	489.1	520.6	566.0	567.2	501.9	476.3	478.7
62.5°	3729.1	1295.0	496.1	472.8	467.0	485.6	531.1	541.5	499.6	471.7	474.0
65°	3814.1	1190.2	462.3	449.5	440.2	447.2	489.1	501.9	457.7	426.2	429.7
67.5°	3759.3	1037.7	428.6	422.8	409.9	407.6	434.4	442.5	409.9	390.1	387.8
70°	3434.4	828.0	387.8	387.8	376.2	365.7	379.7	386.6	361.0	349.4	351.7
72.5°	2972.1	673.1	348.2	352.9	336.6	322.6	330.7	334.2	319.1	313.3	310.9
75°	2571.4	562.5	308.6	315.6	298.1	276.0	285.3	285.3	272.5	271.4	270.2
77.5°	1875.0	422.8	265.5	273.7	259.7	231.8	234.1	235.2	230.6	230.6	231.8
80°	802.4	258.5	216.6	229.4	215.5	181.7	188.7	188.7	200.3	229.4	224.8
82.5°	266.7	153.7	164.2	180.5	165.4	135.1	143.2	153.7	198.0	189.8	180.5
85°	114.1	85.0	104.8	114.1	106.0	81.5	93.2	160.7	146.7	142.1	143.2
87.5°	38.4	36.1	44.3	52.4	37.3	25.6	47.7	97.8	95.5	72.2	69.9
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)