

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-
State Lighting Products

Test Report Prepared for
Cooper Lighting Solutions
(formerly Eaton)

Brand: STREETWORKS

Report Number: P1210901

Luminaire Tested: **ARCH4-110-722-U-T2RE**

Issue Date: 11/5/2025

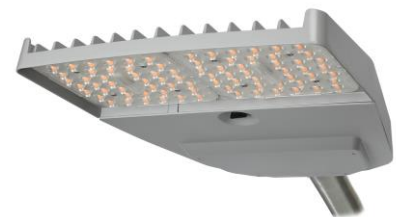
Test Information

Test Method: LM-79-08
Report Number: P1210901
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-1)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH4-110-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 920mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16183 lumens
Efficiency: N/A
Efficacy: 143.7 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 112.6
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: 24 FT



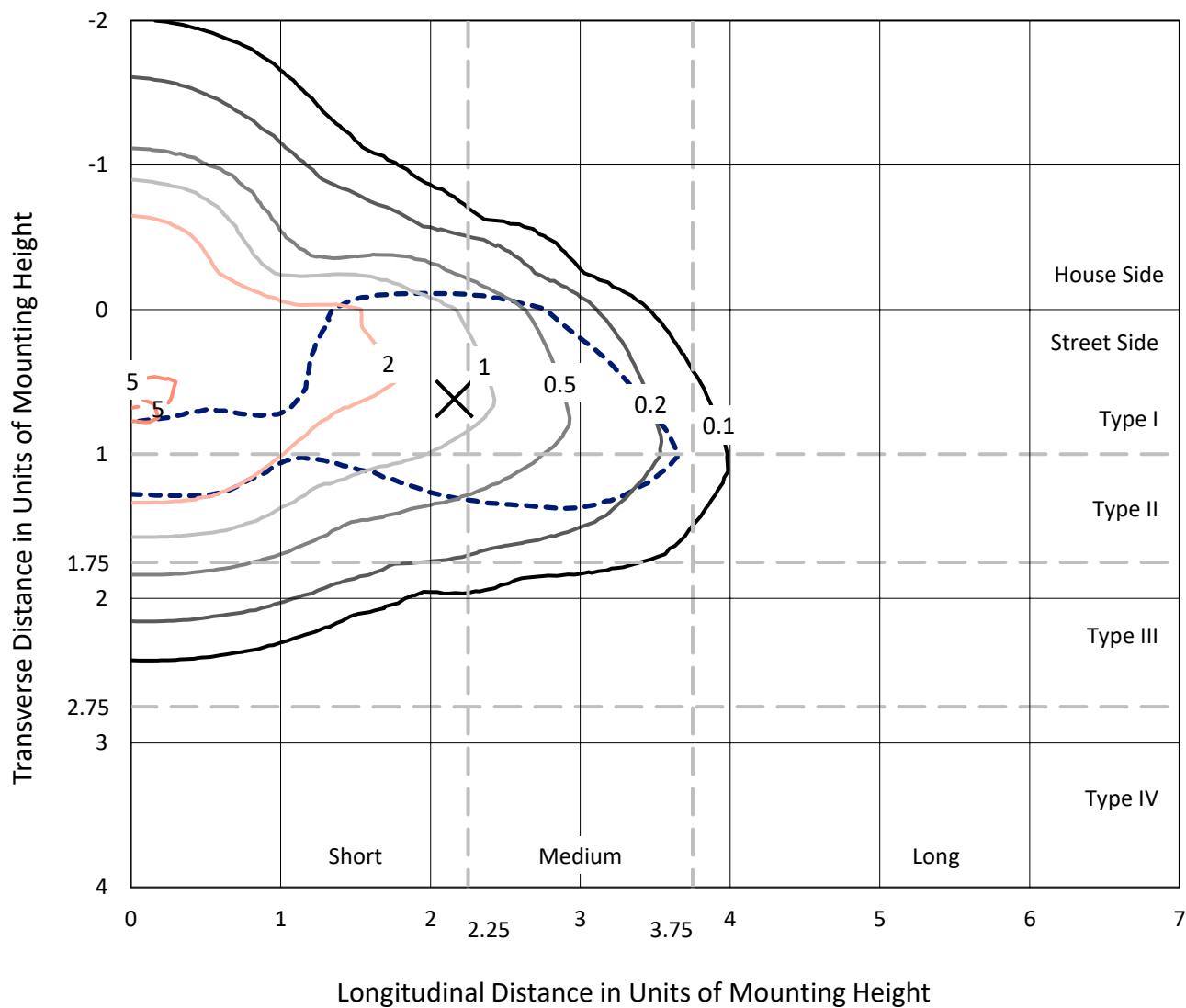
REPORT NUMBER: P1210901

CATALOG NUMBER: ARCH4-110-722-U-T2RE

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

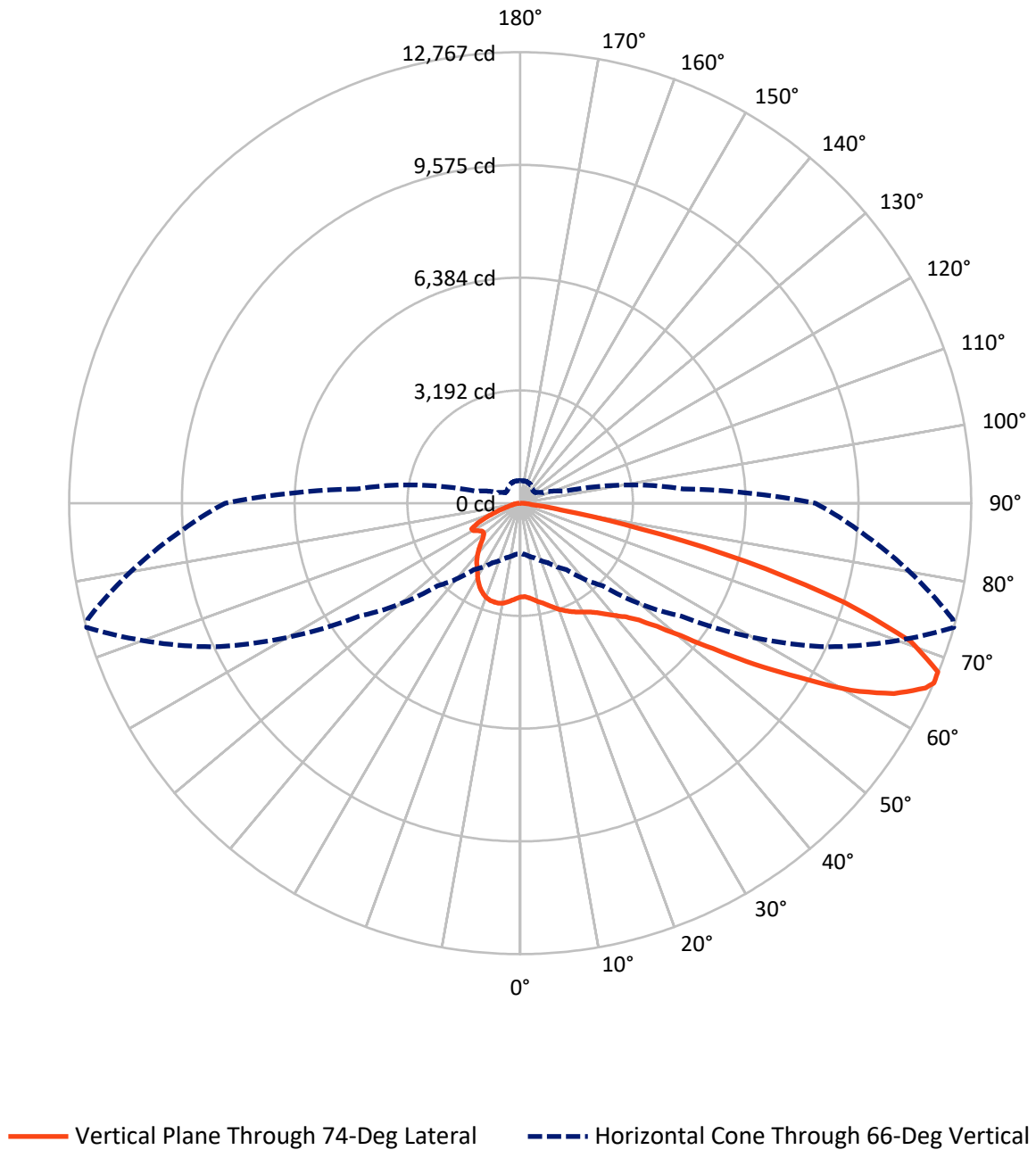
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.1 fc
 Type II - Short - N/A

REPORT NUMBER: P1210901
CATALOG NUMBER: ARCH4-110-722-U-T2RE

Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3941.0	0.0	3941.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	12242.0	0.0	12242.0
	% Fixture	75.6	0.0	75.6
Total	Lumens	16183.0	0.0	16183.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	253.1	1.6
10°-20°	778.2	4.8
20°-30°	1460.4	9.0
30°-40°	2246.4	13.9
40°-50°	3021.6	18.7
50°-60°	3573.4	22.1
60°-70°	3305.6	20.4
70°-80°	1390.6	8.6
80°-90°	153.9	1.0
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°	16183.0	100.0
0°-180°	16183.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210901

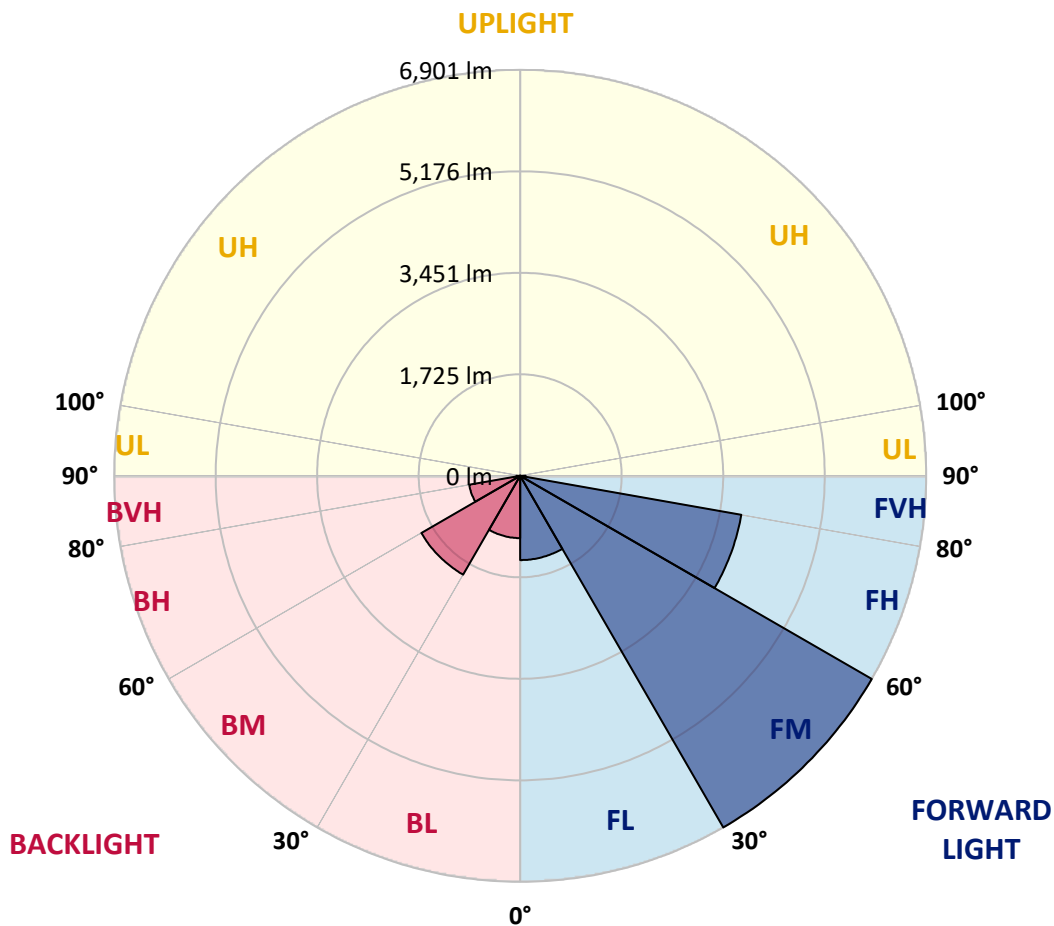
CATALOG NUMBER: ARCH4-110-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1432.4	8.9			
FM	(30°-60°)	6901.1	42.6			
FH	(60°-80°)	3816.4	23.6			G2/5000
FVH	(80°-90°)	92.1	0.6			G1/100
BL	(0°-30°)	1059.3	6.5	B3/2500		
BM	(30°-60°)	1940.2	12.0	B2/2500		
BH	(60°-80°)	879.8	5.4	B2/1000		G2/1000
BVH	(80°-90°)	61.8	0.4			G1/100
UL	(90°-100°)	0.0	0.0		U0/0	
UH	(100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G2

Type II Short



REPORT NUMBER: P1210901

CATALOG NUMBER: ARCH4-110-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9
2.5°	2644.6	2640.4	2648.8	2661.3	2667.5	2657.1	2652.9	2650.8	2650.8	2644.6	2655.0
5°	2519.7	2517.6	2536.3	2559.2	2603.0	2634.2	2675.8	2700.8	2692.5	2680.0	2688.3
7.5°	2357.2	2353.1	2376.0	2419.7	2480.1	2548.8	2650.8	2730.0	2761.2	2757.0	2755.0
10°	2419.7	2415.5	2413.5	2401.0	2421.8	2488.4	2594.6	2734.1	2840.3	2842.4	2844.5
12.5°	2636.3	2646.7	2636.3	2596.7	2550.9	2525.9	2588.4	2744.6	2907.0	2919.5	2971.5
15°	2932.0	2921.6	2900.7	2854.9	2784.1	2709.2	2663.3	2792.5	3002.8	3013.2	3127.7
17.5°	3192.3	3200.6	3188.1	3144.4	3061.1	2963.2	2823.7	2875.7	3104.8	3134.0	3294.3
20°	3475.5	3508.8	3492.1	3438.0	3369.3	3223.5	3048.6	2996.5	3217.3	3238.1	3467.1
22.5°	3802.4	3837.8	3806.6	3754.5	3698.3	3519.2	3294.3	3144.4	3311.0	3354.7	3633.7
25°	4193.9	4227.2	4198.0	4116.8	4046.0	3827.4	3558.8	3311.0	3402.6	3450.5	3769.1
27.5°	4504.2	4529.1	4556.2	4508.3	4400.0	4173.1	3833.6	3483.8	3494.2	3544.2	3894.0
30°	4781.1	4843.6	4866.5	4872.7	4781.1	4527.1	4114.8	3662.9	3573.3	3625.4	4019.0
32.5°	5160.1	5253.8	5216.3	5253.8	5199.7	4860.2	4406.3	3848.2	3675.4	3723.3	4137.7
35°	5714.0	5789.0	5691.1	5661.9	5574.5	5197.6	4687.4	4039.8	3810.7	3862.8	4250.1
37.5°	6309.6	6394.9	6253.3	6136.7	5970.1	5530.8	4929.0	4291.8	3998.1	4039.8	4354.2
40°	6830.2	6901.0	6778.1	6624.0	6345.0	5824.4	5137.2	4468.8	4185.6	4237.6	4475.0
42.5°	7311.2	7357.0	7219.6	7071.7	6699.0	6088.8	5362.1	4656.2	4404.2	4454.2	4572.9
45°	7798.5	7833.9	7642.3	7432.0	6994.7	6330.4	5609.9	4918.5	4724.9	4791.5	4731.1
47.5°	7885.9	7896.3	7863.0	7721.4	7227.9	6561.5	5916.0	5270.5	5214.2	5287.1	5003.9
50°	7279.9	7373.7	7579.8	7719.3	7321.6	6755.2	6222.1	5774.4	5888.9	5982.6	5570.3
52.5°	6103.4	6193.0	6669.8	7198.7	7096.7	6798.9	6551.1	6413.7	6840.6	6953.0	6340.8
55°	4862.3	4941.4	5445.4	6207.5	6370.0	6599.0	6903.0	7230.0	8054.6	8129.5	7186.2
57.5°	4004.4	4048.1	4408.4	5141.4	5401.7	5959.7	7092.5	8200.3	9289.4	9404.0	7921.3
60°	3283.9	3331.8	3600.4	4204.3	4550.0	5045.6	6942.6	9158.2	10763.7	10763.7	8864.6
62.5°	2471.8	2513.4	2763.3	3236.0	3817.0	4270.9	6463.7	9793.4	11875.7	11825.7	9547.6
65°	1697.1	1730.4	1911.6	2226.0	2748.7	3640.0	5809.8	9801.7	12612.9	12546.2	9839.2
66°	1424.3	1453.5	1607.6	1861.6	2301.0	3302.6	5578.7	9624.7	12767.0	12673.3	9716.3
67.5°	1124.5	1145.3	1247.3	1397.3	1686.7	2673.8	5214.2	9122.8	12752.4	12696.2	9404.0
70°	803.8	818.4	893.3	924.6	997.5	1547.2	4141.8	7990.0	11730.0	11746.6	8175.4
72.5°	622.6	645.5	691.3	697.6	680.9	822.5	2513.4	6665.6	9595.5	9589.3	6068.0
75°	501.8	514.3	537.2	549.7	545.6	531.0	1064.1	4972.7	6605.3	6682.3	3398.4
77.5°	395.6	393.6	414.4	431.0	443.5	416.5	487.3	2915.3	3463.0	3365.1	1276.5
80°	291.5	291.5	320.7	326.9	345.7	349.8	324.8	1124.5	1189.0	1080.7	331.1
82.5°	191.6	191.6	222.8	227.0	245.7	272.8	235.3	337.3	329.0	312.4	149.9
85°	104.1	100.0	110.4	124.9	135.4	160.3	141.6	168.7	172.8	170.8	100.0
87.5°	20.8	18.7	29.2	33.3	37.5	50.0	45.8	68.7	95.8	93.7	43.7
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: P1210901

CATALOG NUMBER: ARCH4-110-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9	2652.9
2.5°	2669.6	2667.5	2690.4	2717.5	2748.7	2767.5	2775.8	2790.4	2780.0	2784.1	2796.6
5°	2709.2	2715.4	2748.7	2784.1	2798.7	2788.3	2765.4	2757.0	2738.3	2734.1	2730.0
7.5°	2767.5	2777.9	2811.2	2819.5	2775.8	2702.9	2650.8	2621.7	2590.5	2582.1	2578.0
10°	2863.3	2869.5	2877.8	2792.5	2684.2	2586.3	2521.7	2494.7	2473.8	2457.2	2461.4
12.5°	2984.0	2979.9	2915.3	2738.3	2584.2	2484.3	2440.5	2423.9	2409.3	2398.9	2396.8
15°	3136.0	3106.9	2921.6	2663.3	2490.5	2407.2	2376.0	2369.7	2353.1	2353.1	2351.0
17.5°	3290.1	3215.2	2917.4	2584.2	2401.0	2355.2	2336.4	2332.2	2328.1	2326.0	2332.2
20°	3444.2	3311.0	2884.1	2486.3	2338.5	2311.4	2307.3	2309.3	2305.2	2311.4	2307.3
22.5°	3579.6	3373.4	2821.6	2382.2	2294.8	2292.7	2282.3	2286.4	2301.0	2303.1	2309.3
25°	3683.7	3396.3	2730.0	2286.4	2263.5	2259.4	2271.9	2288.5	2301.0	2303.1	2313.5
27.5°	3769.1	3383.8	2615.4	2211.5	2209.4	2232.3	2269.8	2276.0	2278.1	2278.1	2269.8
30°	3833.6	3356.8	2469.7	2128.2	2138.6	2194.8	2230.2	2230.2	2213.6	2209.4	2221.9
32.5°	3848.2	3321.4	2311.4	2042.8	2059.5	2126.1	2169.8	2155.2	2136.5	2136.5	2144.8
35°	3860.7	3273.5	2184.4	1926.2	1951.2	2030.3	2072.0	2042.8	2022.0	2015.7	2013.6
37.5°	3856.5	3254.7	2069.9	1778.3	1811.7	1888.7	1915.8	1888.7	1857.5	1842.9	1861.6
40°	3860.7	3242.2	1926.2	1615.9	1649.2	1695.0	1730.4	1709.6	1680.5	1643.0	1661.7
42.5°	3885.7	3258.9	1767.9	1457.7	1457.7	1482.6	1543.0	1528.5	1457.7	1443.1	1459.7
45°	4019.0	3348.4	1609.7	1299.4	1276.5	1293.1	1355.6	1293.1	1249.4	1249.4	1264.0
47.5°	4341.7	3515.0	1470.1	1159.9	1105.7	1139.1	1155.7	1097.4	1064.1	1055.8	1070.3
50°	4999.8	3848.2	1386.9	1045.3	978.7	1003.7	993.3	991.2	957.9	962.1	970.4
52.5°	5999.3	4497.9	1361.9	989.1	905.8	912.1	901.7	905.8	899.6	920.4	926.7
55°	7088.4	5183.0	1393.1	997.5	855.9	812.1	816.3	837.1	862.1	895.4	901.7
57.5°	7902.6	5526.6	1474.3	1053.7	793.4	726.7	737.2	776.7	824.6	851.7	866.3
60°	8508.5	5484.9	1593.0	1068.3	718.4	649.7	668.4	726.7	768.4	791.3	805.9
62.5°	8706.4	5224.7	1622.2	962.1	620.5	576.8	622.6	683.0	701.8	726.7	737.2
65°	8543.9	4856.1	1409.8	780.9	545.6	522.7	589.3	635.1	660.1	672.6	674.7
66°	8352.4	4635.3	1295.2	710.1	518.5	506.0	576.8	614.3	639.3	637.2	639.3
67.5°	7931.7	4173.1	1109.9	610.1	478.9	481.0	556.0	581.0	589.3	583.1	583.1
70°	6501.1	2938.2	795.5	462.3	420.6	449.8	499.8	506.0	524.8	516.4	516.4
72.5°	4008.6	1443.1	533.1	354.0	374.8	420.6	418.6	439.4	483.1	495.6	503.9
75°	1969.9	585.1	351.9	299.9	335.3	351.9	347.8	399.8	462.3	516.4	535.2
77.5°	747.6	291.5	245.7	262.4	270.7	264.5	277.0	362.3	462.3	560.2	578.9
80°	231.1	202.0	193.7	216.6	204.1	193.7	208.2	299.9	391.5	424.8	424.8
82.5°	139.5	158.3	149.9	147.8	137.4	139.5	149.9	214.5	301.9	316.5	316.5
85°	97.9	104.1	85.4	81.2	79.1	77.0	77.0	124.9	179.1	177.0	183.2
87.5°	37.5	41.6	31.2	31.2	29.2	20.8	16.7	20.8	20.8	14.6	10.4
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)