

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: P1210453

Luminaire Tested: **ARCH3-130-722-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210453
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: ARCH3-130-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 2200K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 16462 lumens
Efficiency: N/A
Efficacy: 124.1 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G2

Input Watts (W): 132.6
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

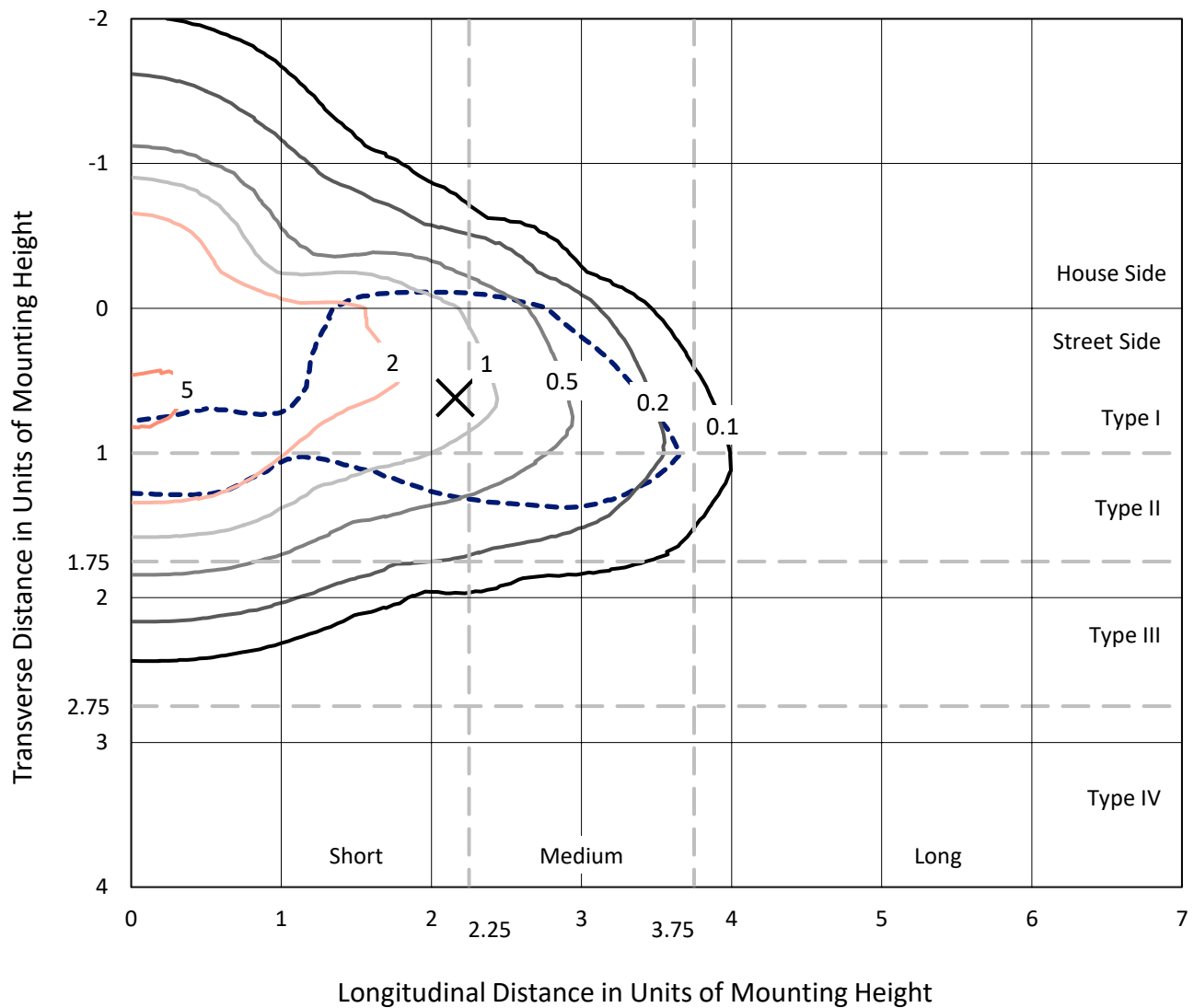


REPORT NUMBER: P1210453

CATALOG NUMBER: ARCH3-130-722-U-T2RE

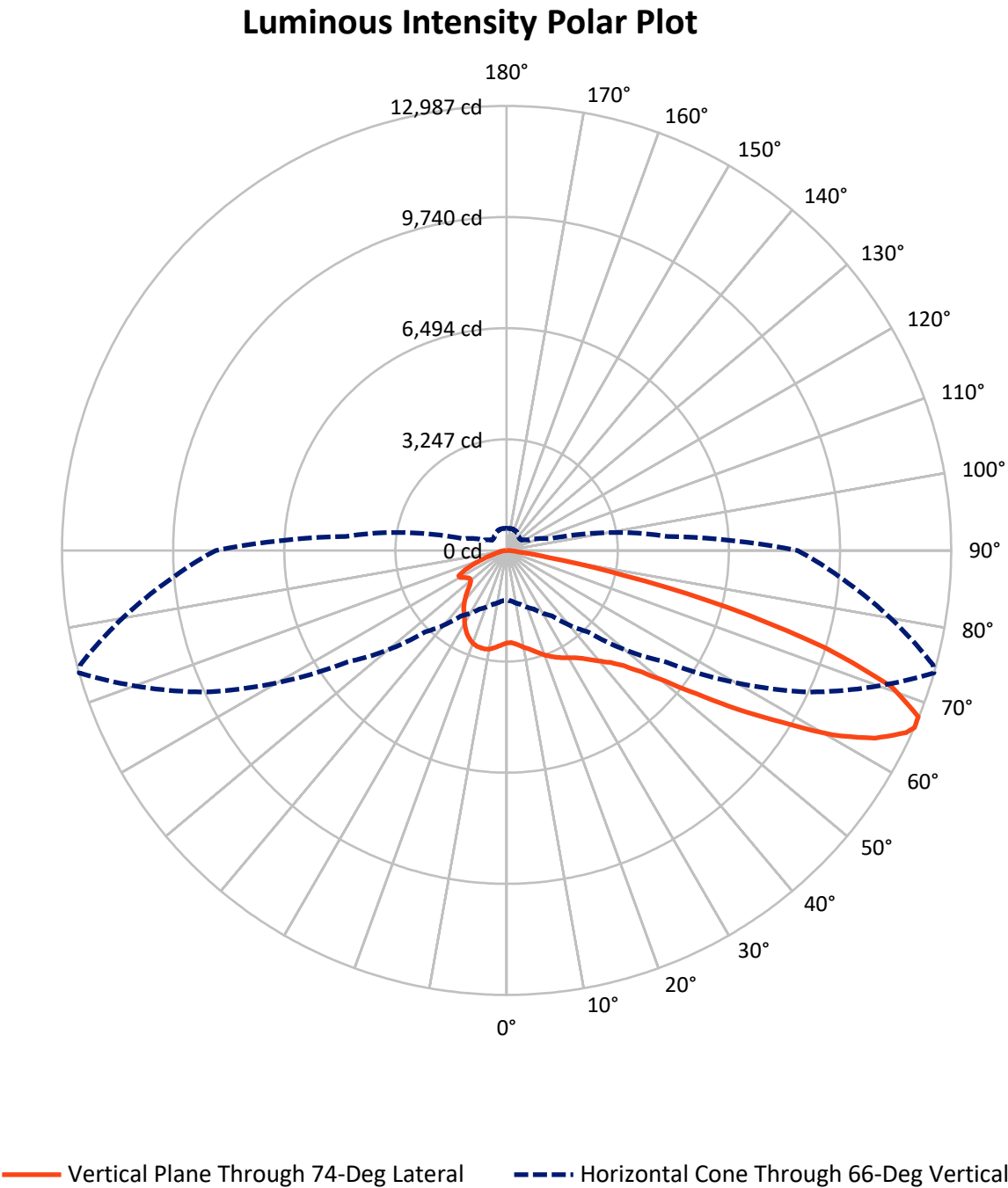
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.2 fc
Type II - Short - N/A

REPORT NUMBER: P1210453
CATALOG NUMBER: ARCH3-130-722-U-T2RE



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4009.0	0.0	4009.0
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	12453.1	0.0	12453.1
	% Fixture	75.6	0.0	75.6
Total	Lumens	16462.0	0.0	16462.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	257.4	1.6
10°-20°	791.6	4.8
20°-30°	1485.5	9.0
30°-40°	2285.1	13.9
40°-50°	3073.7	18.7
50°-60°	3635.0	22.1
60°-70°	3362.5	20.4
70°-80°	1414.6	8.6
80°-90°	156.5	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°	16462.0	100.0
0°-180°	16462.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210453

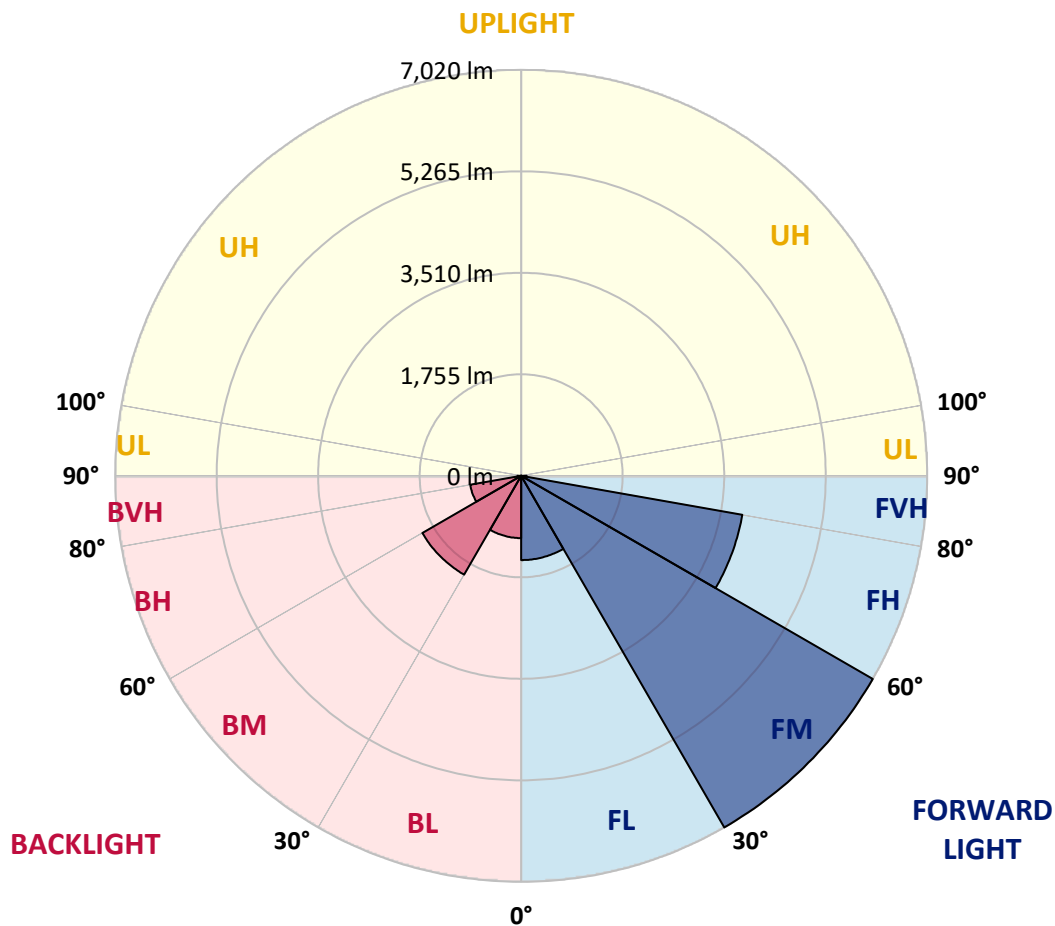
CATALOG NUMBER: ARCH3-130-722-U-T2RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1457.1	8.9			
FM	(30°-60°)	7020.1	42.6			
FH	(60°-80°)	3882.2	23.6			G2/5000
FVH	(80°-90°)	93.7	0.6			G1/100
BL	(0°-30°)	1077.5	6.5	B3/2500		
BM	(30°-60°)	1973.6	12.0	B2/2500		
BH	(60°-80°)	894.9	5.4	B2/1000		G2/1000
BVH	(80°-90°)	62.9	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: P1210453

CATALOG NUMBER: ARCH3-130-722-U-T2RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7
2.5°	2690.2	2686.0	2694.4	2707.1	2713.5	2702.9	2698.7	2696.6	2696.6	2690.2	2700.8
5°	2563.1	2561.0	2580.0	2603.3	2647.8	2679.6	2722.0	2747.4	2738.9	2726.2	2734.7
7.5°	2397.9	2393.6	2416.9	2461.4	2522.9	2592.8	2696.6	2777.0	2808.8	2804.6	2802.5
10°	2461.4	2457.2	2455.1	2442.4	2463.5	2531.3	2639.4	2781.3	2889.3	2891.4	2893.5
12.5°	2681.7	2692.3	2681.7	2641.5	2594.9	2569.5	2633.0	2791.9	2957.1	2969.8	3022.8
15°	2982.5	2971.9	2950.7	2904.1	2832.1	2755.9	2709.3	2840.6	3054.5	3065.1	3181.6
17.5°	3247.3	3255.8	3243.1	3198.6	3113.8	3014.3	2872.4	2925.3	3158.3	3188.0	3351.1
20°	3535.4	3569.3	3552.3	3497.3	3427.4	3279.1	3101.1	3048.2	3272.7	3293.9	3526.9
22.5°	3868.0	3904.0	3872.2	3819.2	3762.0	3579.9	3351.1	3198.6	3368.0	3412.5	3696.4
25°	4266.2	4300.1	4270.4	4187.8	4115.8	3893.4	3620.1	3368.0	3461.2	3510.0	3834.1
27.5°	4581.8	4607.2	4634.8	4586.0	4475.9	4245.0	3899.7	3543.9	3554.4	3605.3	3961.2
30°	4863.5	4927.1	4950.4	4956.7	4863.5	4605.1	4185.7	3726.0	3634.9	3687.9	4088.3
32.5°	5249.1	5344.4	5306.3	5344.4	5289.3	4944.0	4482.2	3914.6	3738.7	3787.5	4209.0
35°	5812.5	5888.8	5789.2	5759.6	5670.6	5287.2	4768.2	4109.4	3876.4	3929.4	4323.4
37.5°	6418.3	6505.2	6361.1	6242.5	6073.1	5626.1	5013.9	4365.7	4067.1	4109.4	4429.3
40°	6947.9	7019.9	6895.0	6738.2	6454.4	5924.8	5225.8	4545.8	4257.7	4310.7	4552.2
42.5°	7437.2	7483.8	7344.0	7193.6	6814.5	6193.8	5454.5	4736.4	4480.1	4531.0	4651.7
45°	7932.9	7968.9	7774.0	7560.1	7115.3	6439.5	5706.6	5003.3	4806.3	4874.1	4812.7
47.5°	8021.9	8032.5	7998.6	7854.5	7352.5	6674.7	6018.0	5361.3	5304.1	5378.3	5090.2
50°	7405.5	7500.8	7710.5	7852.4	7447.8	6871.7	6329.4	5873.9	5990.5	6085.8	5666.4
52.5°	6208.6	6299.7	6784.8	7322.8	7219.0	6916.1	6664.1	6524.3	6958.5	7072.9	6450.1
55°	4946.1	5026.6	5539.3	6314.5	6479.8	6712.8	7022.0	7354.6	8193.4	8269.7	7310.1
57.5°	4073.4	4117.9	4484.4	5230.0	5494.8	6062.5	7214.8	8341.7	9449.6	9566.1	8057.9
60°	3340.5	3389.2	3662.5	4276.8	4628.4	5132.6	7062.3	9316.1	10949.3	10949.3	9017.5
62.5°	2514.4	2556.7	2810.9	3291.8	3882.8	4344.6	6575.1	9962.2	12080.5	12029.6	9712.2
65°	1726.4	1760.3	1944.6	2264.4	2796.1	3702.7	5910.0	9970.7	12830.3	12762.5	10008.8
66°	1448.9	1478.5	1635.3	1893.7	2340.7	3359.6	5674.8	9790.6	12987.1	12891.8	9883.8
67.5°	1143.9	1165.0	1268.8	1421.4	1715.8	2719.9	5304.1	9280.1	12972.3	12915.1	9566.1
70°	817.7	832.5	908.7	940.5	1014.6	1573.9	4213.2	8127.8	11932.2	11949.1	8316.3
72.5°	633.4	656.7	703.3	709.6	692.7	836.7	2556.7	6780.6	9761.0	9754.6	6172.6
75°	510.5	523.2	546.5	559.2	555.0	540.2	1082.4	5058.4	6719.1	6797.5	3457.0
77.5°	402.5	400.4	421.5	438.5	451.2	423.7	495.7	2965.6	3522.7	3423.1	1298.5
80°	296.6	296.6	326.2	332.6	351.6	355.9	330.4	1143.9	1209.5	1099.4	336.8
82.5°	194.9	194.9	226.7	230.9	250.0	277.5	239.4	343.2	334.7	317.7	152.5
85°	105.9	101.7	112.3	127.1	137.7	163.1	144.0	171.6	175.8	173.7	101.7
87.5°	21.2	19.1	29.7	33.9	38.1	50.8	46.6	69.9	97.4	95.3	44.5
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: P1210453

CATALOG NUMBER: ARCH3-130-722-U-T2RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7	2698.7
2.5°	2715.6	2713.5	2736.8	2764.3	2796.1	2815.2	2823.6	2838.5	2827.9	2832.1	2844.8
5°	2755.9	2762.2	2796.1	2832.1	2846.9	2836.4	2813.1	2804.6	2785.5	2781.3	2777.0
7.5°	2815.2	2825.8	2859.7	2868.1	2823.6	2749.5	2696.6	2666.9	2635.1	2626.6	2622.4
10°	2912.6	2919.0	2927.4	2840.6	2730.4	2630.9	2565.2	2537.7	2516.5	2499.6	2503.8
12.5°	3035.5	3031.2	2965.6	2785.5	2628.8	2527.1	2482.6	2465.7	2450.8	2440.2	2438.1
15°	3190.1	3160.5	2971.9	2709.3	2533.4	2448.7	2416.9	2410.6	2393.6	2393.6	2391.5
17.5°	3346.9	3270.6	2967.7	2628.8	2442.4	2395.8	2376.7	2372.5	2368.2	2366.1	2372.5
20°	3503.6	3368.0	2933.8	2529.2	2378.8	2351.3	2347.0	2349.2	2344.9	2351.3	2347.0
22.5°	3641.3	3431.6	2870.2	2423.3	2334.3	2332.2	2321.6	2325.9	2340.7	2342.8	2349.2
25°	3747.2	3454.9	2777.0	2325.9	2302.6	2298.3	2311.0	2328.0	2340.7	2342.8	2353.4
27.5°	3834.1	3442.2	2660.5	2249.6	2247.5	2270.8	2308.9	2315.3	2317.4	2317.4	2308.9
30°	3899.7	3414.6	2512.3	2164.9	2175.5	2232.7	2268.7	2268.7	2251.7	2247.5	2260.2
32.5°	3914.6	3378.6	2351.3	2078.0	2095.0	2162.7	2207.2	2192.4	2173.3	2173.3	2181.8
35°	3927.3	3329.9	2222.1	1959.4	1984.8	2065.3	2107.7	2078.0	2056.8	2050.5	2048.4
37.5°	3923.0	3310.8	2105.6	1809.0	1842.9	1921.3	1948.8	1921.3	1889.5	1874.7	1893.7
40°	3927.3	3298.1	1959.4	1643.8	1677.7	1724.3	1760.3	1739.1	1709.4	1671.3	1690.4
42.5°	3952.7	3315.1	1798.4	1482.8	1482.8	1508.2	1569.6	1554.8	1482.8	1468.0	1484.9
45°	4088.3	3406.2	1637.4	1321.8	1298.5	1315.4	1379.0	1315.4	1271.0	1271.0	1285.8
47.5°	4416.6	3575.6	1495.5	1179.9	1124.8	1158.7	1175.6	1116.3	1082.4	1074.0	1088.8
50°	5086.0	3914.6	1410.8	1063.4	995.6	1021.0	1010.4	1008.3	974.4	978.6	987.1
52.5°	6102.7	4575.5	1385.3	1006.2	921.4	927.8	917.2	921.4	915.1	936.3	942.6
55°	7210.6	5272.4	1417.1	1014.6	870.6	826.1	830.4	851.5	877.0	910.9	917.2
57.5°	8038.8	5621.9	1499.7	1071.8	807.1	739.3	749.9	790.1	838.8	866.4	881.2
60°	8655.2	5579.5	1620.5	1086.7	730.8	660.9	680.0	739.3	781.6	804.9	819.8
62.5°	8856.5	5314.7	1650.1	978.6	631.2	586.8	633.4	694.8	713.9	739.3	749.9
65°	8691.2	4939.8	1434.1	794.3	555.0	531.7	599.5	646.1	671.5	684.2	686.3
66°	8496.4	4715.3	1317.6	722.3	527.4	514.7	586.8	624.9	650.3	648.2	650.3
67.5°	8068.5	4245.0	1129.0	620.7	487.2	489.3	565.6	591.0	599.5	593.1	593.1
70°	6613.2	2988.9	809.2	470.3	427.9	457.5	508.4	514.7	533.8	525.3	525.3
72.5°	4077.7	1468.0	542.3	360.1	381.3	427.9	425.8	447.0	491.4	504.1	512.6
75°	2003.9	595.2	358.0	305.0	341.0	358.0	353.8	406.7	470.3	525.3	544.4
77.5°	760.5	296.6	250.0	266.9	275.4	269.0	281.7	368.6	470.3	569.8	588.9
80°	235.1	205.5	197.0	220.3	207.6	197.0	211.8	305.0	398.2	432.1	432.1
82.5°	141.9	161.0	152.5	150.4	139.8	141.9	152.5	218.2	307.1	322.0	322.0
85°	99.6	105.9	86.8	82.6	80.5	78.4	78.4	127.1	182.2	180.1	186.4
87.5°	38.1	42.4	31.8	31.8	29.7	21.2	16.9	21.2	21.2	14.8	10.6
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)