

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: P1210473

Luminaire Tested: **ARCH3-130-750-U-T2RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210473
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: ARCH3-130-750-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 5000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE II ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 19755 lumens
Efficiency: N/A
Efficacy: 149.0 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

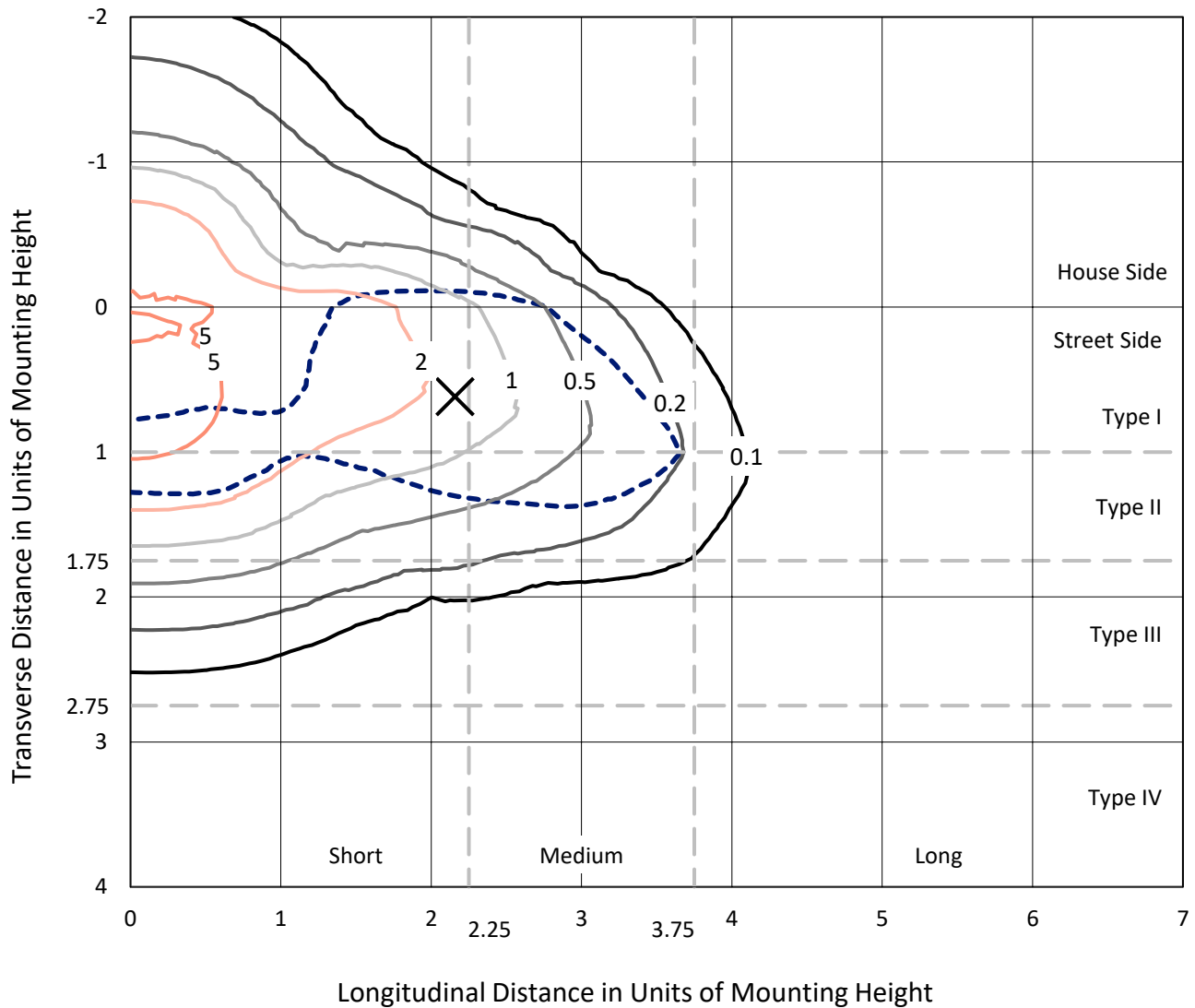
Input Watts (W): 132.6
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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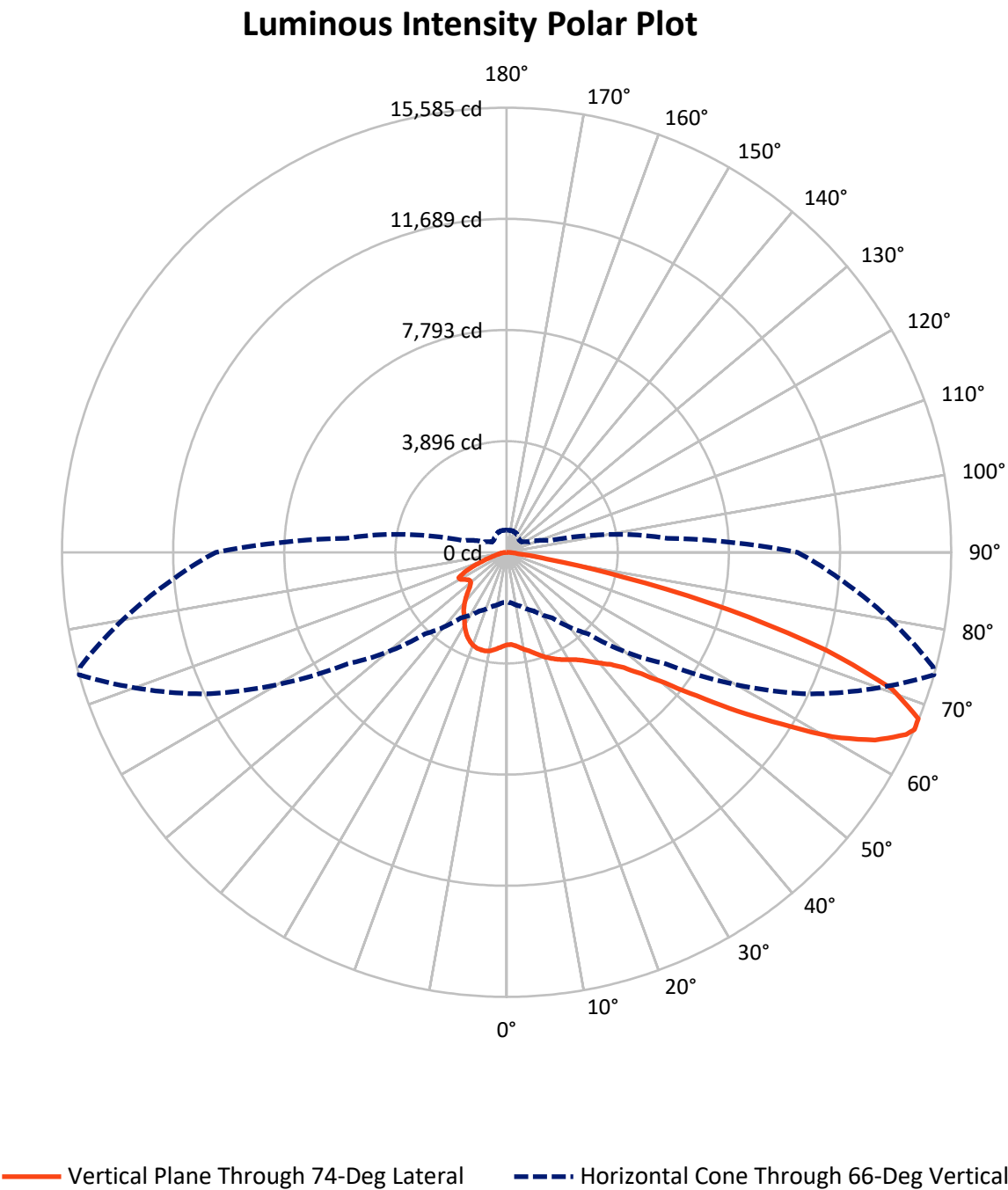
Iso-Footcandle Lines of Horizontal Illumination

× Max cd
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 6.2 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4810.9	0.0	4810.9
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	14944.1	0.0	14944.1
	% Fixture	75.6	0.0	75.6
Total	Lumens	19755.0	0.0	19755.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	308.9	1.6
10°-20°	950.0	4.8
20°-30°	1782.7	9.0
30°-40°	2742.2	13.9
40°-50°	3688.5	18.7
50°-60°	4362.1	22.1
60°-70°	4035.2	20.4
70°-80°	1697.6	8.6
80°-90°	187.8	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°	19755.0	100.0
0°-180°	19755.0	100.0

Coefficient of Utilization



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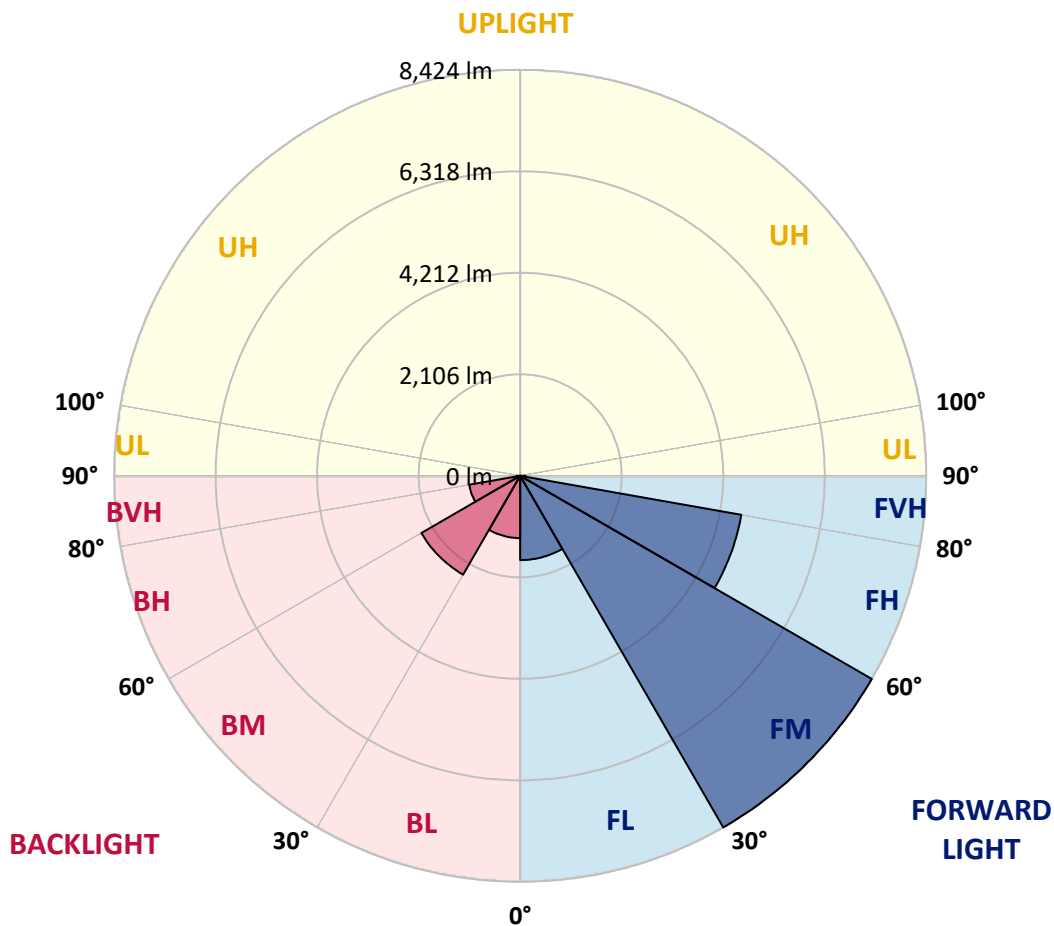
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1748.6	8.9			
FM	(30°-60°)	8424.4	42.6			
FH	(60°-80°)	4658.8	23.6			G2/5000
FVH	(80°-90°)	112.4	0.6			G2/225
BL	(0°-30°)	1293.1	6.5	B3/2500		
BM	(30°-60°)	2368.4	12.0	B2/2500		
BH	(60°-80°)	1074.0	5.4	B3/2500		G3/2500
BVH	(80°-90°)	75.5	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-G3

Type II Short



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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	74°	75°	85°
0°	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5
2.5°	3228.3	3223.2	3233.4	3248.7	3256.3	3243.6	3238.5	3236.0	3236.0	3228.3	3241.0
5°	3075.8	3073.3	3096.1	3124.1	3177.5	3215.6	3266.5	3297.0	3286.8	3271.5	3281.7
7.5°	2877.5	2872.5	2900.4	2953.8	3027.5	3111.4	3236.0	3332.6	3370.7	3365.6	3363.1
10°	2953.8	2948.7	2946.2	2930.9	2956.3	3037.7	3167.3	3337.6	3467.3	3469.8	3472.4
12.5°	3218.2	3230.9	3218.2	3169.9	3113.9	3083.4	3159.7	3350.3	3548.6	3563.9	3627.4
15°	3579.1	3566.4	3541.0	3485.1	3398.6	3307.1	3251.2	3408.8	3665.6	3678.3	3818.1
17.5°	3896.9	3907.0	3891.8	3838.4	3736.7	3617.3	3446.9	3510.5	3790.1	3825.7	4021.4
20°	4242.6	4283.3	4262.9	4196.8	4112.9	3935.0	3721.5	3657.9	3927.4	3952.8	4232.4
22.5°	4641.7	4684.9	4646.8	4583.2	4514.6	4296.0	4021.4	3838.4	4041.8	4095.2	4435.8
25°	5119.6	5160.2	5124.7	5025.5	4939.1	4672.2	4344.3	4041.8	4153.6	4212.1	4601.0
27.5°	5498.3	5528.8	5561.9	5503.4	5371.2	5094.2	4679.8	4252.8	4265.5	4326.5	4753.5
30°	5836.4	5912.7	5940.6	5948.3	5836.4	5526.3	5023.0	4471.4	4362.1	4425.6	4906.0
32.5°	6299.1	6413.5	6367.7	6413.5	6347.4	5933.0	5378.9	4697.6	4486.6	4545.1	5050.9
35°	6975.2	7066.7	6947.3	6911.7	6804.9	6344.8	5722.0	4931.5	4651.9	4715.4	5188.2
37.5°	7702.2	7806.5	7633.6	7491.3	7287.9	6751.5	6016.9	5239.1	4880.6	4931.5	5315.3
40°	8337.7	8424.2	8274.2	8086.1	7745.5	7110.0	6271.1	5455.1	5109.4	5173.0	5462.7
42.5°	8924.9	8980.9	8813.1	8632.6	8177.6	7432.8	6545.6	5683.9	5376.3	5437.3	5582.2
45°	9519.8	9563.0	9329.1	9072.4	8538.6	7727.7	6848.1	6004.2	5767.8	5849.1	5775.4
47.5°	9626.5	9639.2	9598.6	9425.7	8823.3	8009.8	7221.8	6433.8	6365.2	6454.1	6108.4
50°	8886.8	9001.2	9252.9	9423.2	8937.7	8246.2	7595.5	7049.0	7188.8	7303.2	6799.8
52.5°	7450.6	7559.9	8142.0	8787.7	8663.1	8299.6	7997.1	7829.3	8350.5	8487.7	7740.4
55°	5935.6	6032.2	6647.3	7577.7	7776.0	8055.6	8426.7	8825.8	9832.4	9923.9	8772.4
57.5°	4888.3	4941.6	5381.4	6276.2	6593.9	7275.2	8658.0	10010.4	11339.8	11479.6	9669.7
60°	4008.7	4067.2	4395.1	5132.3	5554.3	6159.3	8475.0	11179.7	13139.6	13139.6	10821.3
62.5°	3017.3	3068.2	3373.2	3950.3	4659.5	5213.6	7890.4	11955.0	14497.0	14436.0	11655.0
65°	2071.7	2112.4	2333.6	2717.4	3355.4	4443.4	7092.2	11965.2	15396.9	15315.5	12010.9
66°	1738.7	1774.3	1962.4	2272.5	2808.9	4031.6	6810.0	11749.1	15585.0	15470.6	11860.9
67.5°	1372.7	1398.1	1522.7	1705.7	2059.0	3263.9	6365.2	11136.5	15567.2	15498.5	11479.6
70°	981.2	999.0	1090.5	1128.6	1217.6	1888.7	5056.0	9753.6	14319.1	14339.4	9979.9
72.5°	760.1	788.0	843.9	851.6	831.2	1004.1	3068.2	8136.9	11713.5	11705.9	7407.4
75°	612.6	627.9	655.8	671.1	666.0	648.2	1299.0	6070.3	8063.2	8157.3	4148.5
77.5°	483.0	480.4	505.9	526.2	541.4	508.4	594.8	3558.8	4227.3	4107.9	1558.2
80°	355.9	355.9	391.5	399.1	422.0	427.1	396.6	1372.7	1451.5	1319.3	404.2
82.5°	233.9	233.9	272.0	277.1	300.0	333.0	287.2	411.8	401.6	381.3	183.0
85°	127.1	122.0	134.7	152.5	165.2	195.7	172.9	205.9	211.0	208.4	122.0
87.5°	25.4	22.9	35.6	40.7	45.8	61.0	55.9	83.9	116.9	114.4	53.4
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°	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5	3238.5
2.5°	3258.8	3256.3	3284.3	3317.3	3355.4	3378.3	3388.5	3406.3	3393.6	3398.6	3413.9
5°	3307.1	3314.8	3355.4	3398.6	3416.4	3403.7	3375.8	3365.6	3342.7	3337.6	3332.6
7.5°	3378.3	3391.0	3431.7	3441.9	3388.5	3299.5	3236.0	3200.4	3162.2	3152.1	3147.0
10°	3495.2	3502.9	3513.0	3408.8	3276.6	3157.2	3078.4	3045.3	3019.9	2999.6	3004.6
12.5°	3642.7	3637.6	3558.8	3342.7	3154.6	3032.6	2979.2	2958.9	2941.1	2928.4	2925.8
15°	3828.2	3792.7	3566.4	3251.2	3040.2	2938.5	2900.4	2892.8	2872.5	2872.5	2869.9
17.5°	4016.4	3924.8	3561.3	3154.6	2930.9	2875.0	2852.1	2847.0	2842.0	2839.4	2847.0
20°	4204.5	4041.8	3520.7	3035.1	2854.7	2821.6	2816.5	2819.1	2814.0	2821.6	2816.5
22.5°	4369.7	4118.0	3444.4	2908.0	2801.3	2798.7	2786.0	2791.1	2808.9	2811.4	2819.1
25°	4496.8	4146.0	3332.6	2791.1	2763.1	2758.1	2773.3	2793.7	2808.9	2811.4	2824.2
27.5°	4601.0	4130.7	3192.7	2699.6	2697.1	2725.0	2770.8	2778.4	2780.9	2780.9	2770.8
30°	4679.8	4097.7	3014.8	2597.9	2610.6	2679.3	2722.5	2722.5	2702.1	2697.1	2712.3
32.5°	4697.6	4054.5	2821.6	2493.7	2514.0	2595.4	2648.8	2631.0	2608.1	2608.1	2618.3
35°	4712.9	3996.0	2666.6	2351.3	2381.8	2478.4	2529.3	2493.7	2468.3	2460.7	2458.1
37.5°	4707.8	3973.1	2526.7	2170.9	2211.5	2305.6	2338.6	2305.6	2267.5	2249.7	2272.5
40°	4712.9	3957.9	2351.3	1972.6	2013.3	2069.2	2112.4	2087.0	2051.4	2005.6	2028.5
42.5°	4743.4	3978.2	2158.2	1779.4	1779.4	1809.9	1883.6	1865.8	1779.4	1761.6	1781.9
45°	4906.0	4087.5	1965.0	1586.2	1558.2	1578.6	1654.8	1578.6	1525.2	1525.2	1543.0
47.5°	5300.1	4290.9	1794.6	1415.9	1349.8	1390.5	1410.8	1339.6	1299.0	1288.8	1306.6
50°	6103.3	4697.6	1693.0	1276.1	1194.7	1225.2	1212.5	1210.0	1169.3	1174.4	1184.6
52.5°	7323.5	5490.7	1662.5	1207.4	1105.8	1113.4	1100.7	1105.8	1098.1	1123.6	1131.2
55°	8653.0	6327.0	1700.6	1217.6	1044.8	991.4	996.5	1021.9	1052.4	1093.1	1100.7
57.5°	9646.9	6746.5	1799.7	1286.2	968.5	887.2	899.9	948.2	1006.6	1039.7	1057.5
60°	10386.6	6695.6	1944.6	1304.0	877.0	793.1	816.0	887.2	938.0	966.0	983.8
62.5°	10628.1	6377.9	1980.2	1174.4	757.5	704.1	760.1	833.8	856.7	887.2	899.9
65°	10429.8	5927.9	1720.9	953.2	666.0	638.0	719.4	775.3	805.8	821.1	823.6
66°	10195.9	5658.5	1581.1	866.8	633.0	617.7	704.1	749.9	780.4	777.9	780.4
67.5°	9682.5	5094.2	1354.9	744.8	584.7	587.2	678.7	709.2	719.4	711.8	711.8
70°	7936.1	3586.8	971.0	564.3	513.5	549.1	610.1	617.7	640.6	630.4	630.4
72.5°	4893.3	1761.6	650.8	432.1	457.6	513.5	510.9	536.4	589.7	605.0	615.2
75°	2404.7	714.3	429.6	366.0	409.3	429.6	424.5	488.1	564.3	630.4	653.3
77.5°	912.6	355.9	300.0	320.3	330.5	322.8	338.1	442.3	564.3	683.8	706.7
80°	282.2	246.6	236.4	264.4	249.1	236.4	254.2	366.0	477.9	518.6	518.6
82.5°	170.3	193.2	183.0	180.5	167.8	170.3	183.0	261.8	368.6	386.4	386.4
85°	119.5	127.1	104.2	99.1	96.6	94.1	94.1	152.5	218.6	216.1	223.7
87.5°	45.8	50.8	38.1	38.1	35.6	25.4	20.3	25.4	25.4	17.8	12.7
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)