

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: P1210965

Luminaire Tested: **ARCH4-130-722-U-T2RE**

Issue Date: 11/5/2025

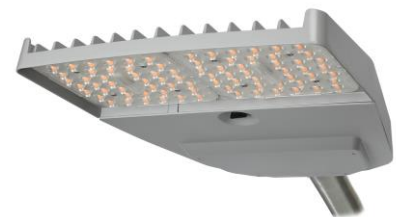
Test Information

Test Method: LM-79-08
Report Number: P1210965
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: ARCH4-130-722-U-T2RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(2) 70 CRI, 2200K, 1080mA LIGHTSQUARES WITH 40 LEDS EACH AND TYPE II
ROADWAY ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18683 lumens
Efficiency: N/A
Efficacy: 141.5 lumens/watt
Luminous Opening: Rectangular (W 1.17' x L: 0.58' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

Input Watts (W): 132
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

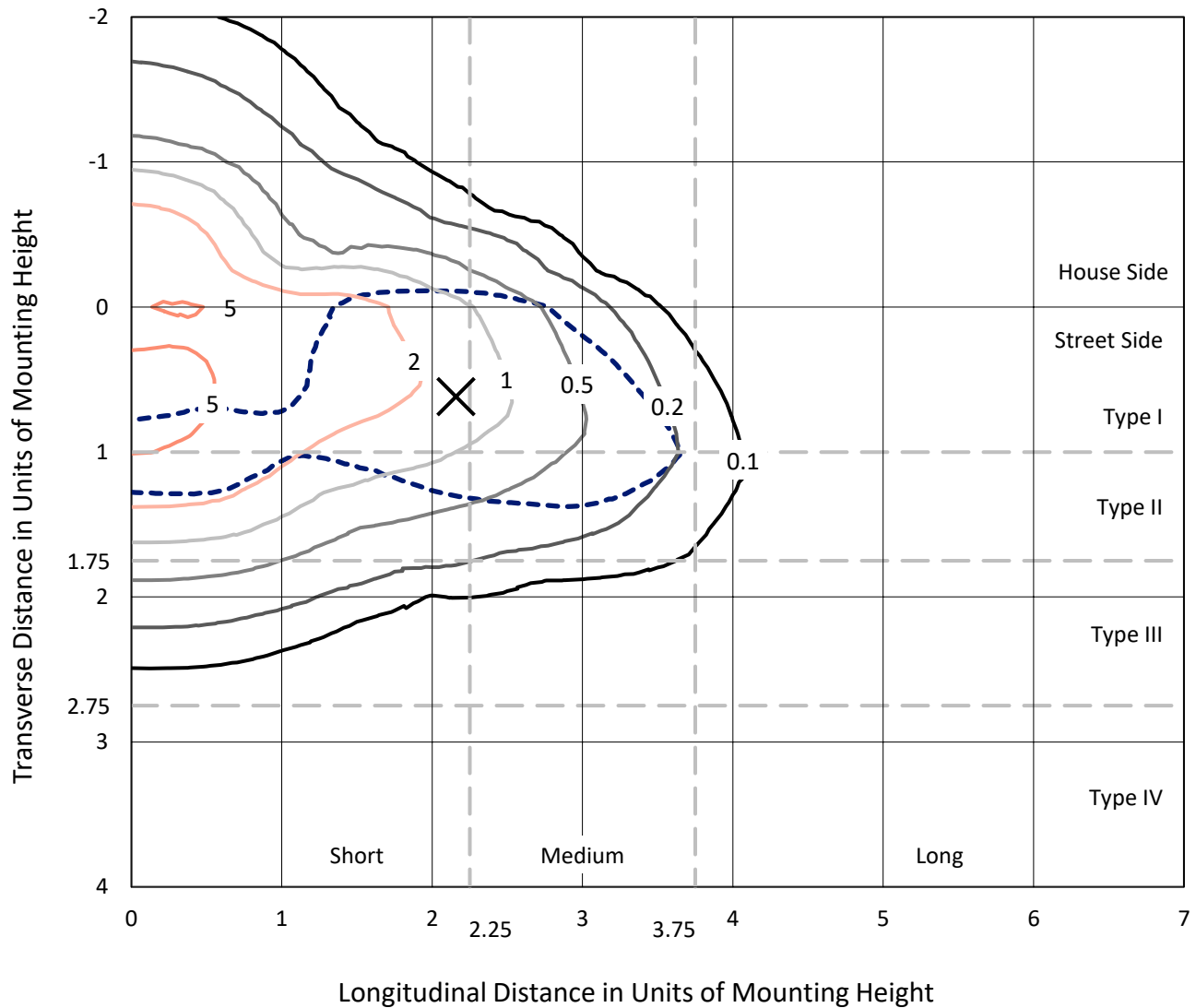


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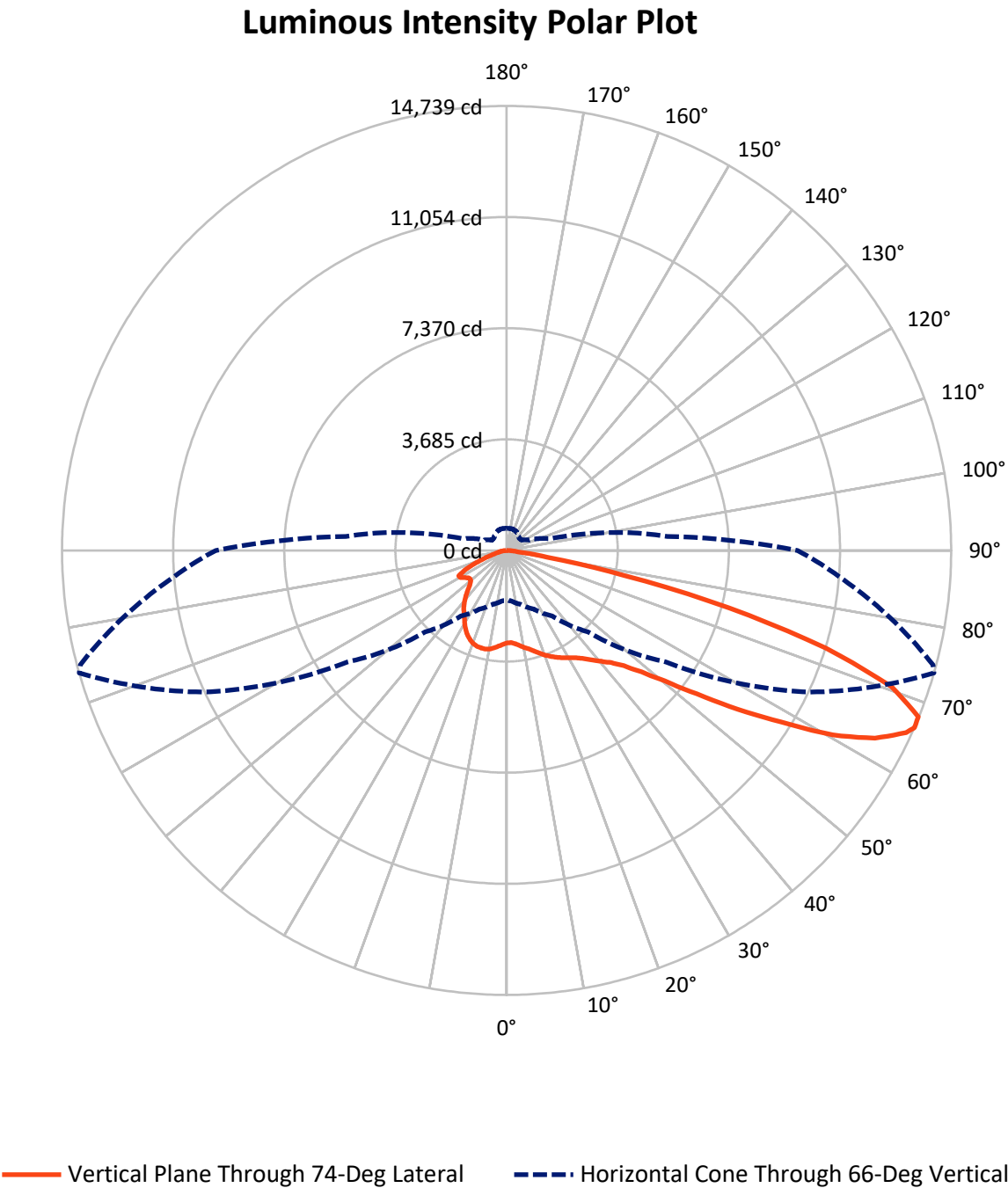
Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd
- - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.9 fc
Type II - Short - N/A

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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4549.8	0.0	4549.8
	% Fixture	24.4	0.0	24.4
Street Side	Lumens	14133.2	0.0	14133.2
	% Fixture	75.6	0.0	75.6
Total	Lumens	18683.0	0.0	18683.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	292.2	1.6
10°-20°	898.4	4.8
20°-30°	1686.0	9.0
30°-40°	2593.4	13.9
40°-50°	3488.3	18.7
50°-60°	4125.4	22.1
60°-70°	3816.2	20.4
70°-80°	1605.5	8.6
80°-90°	177.7	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°	18683.0	100.0
0°-180°	18683.0	100.0

Coefficient of Utilization



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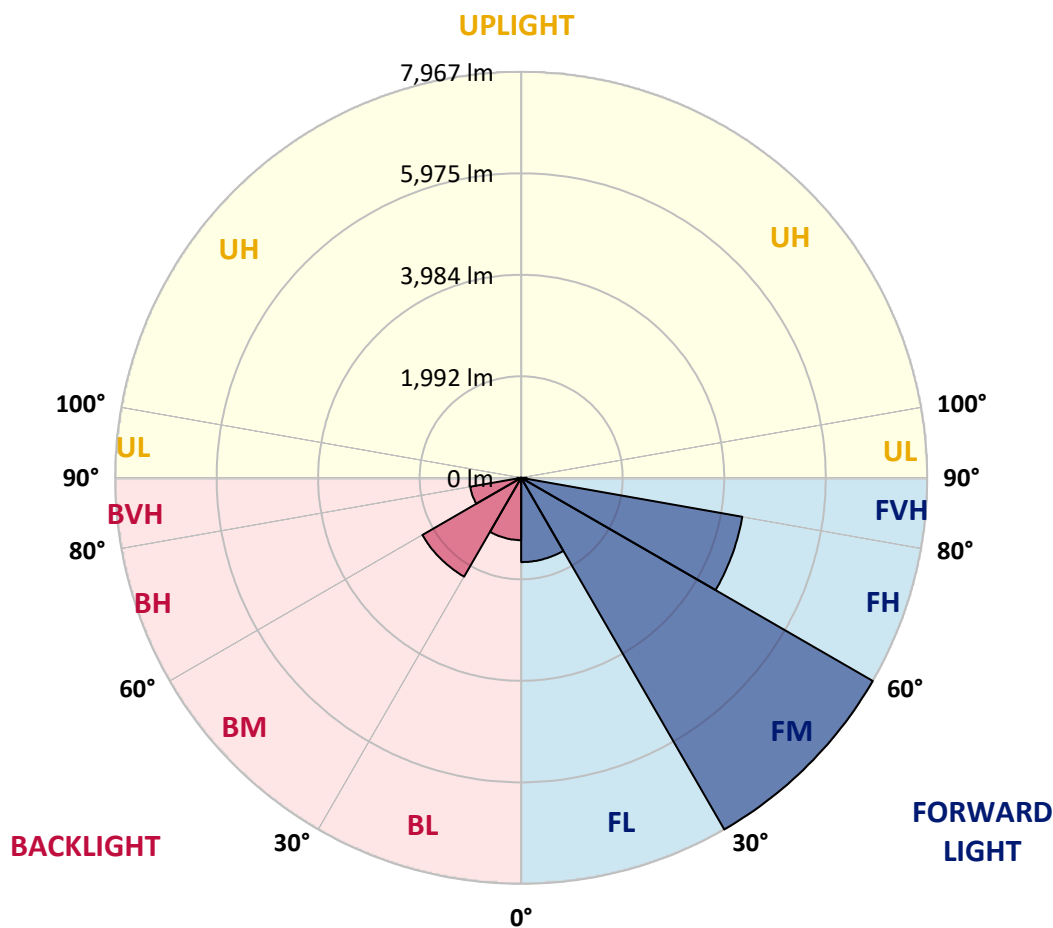
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1653.7	8.9			
FM	(30°-60°)	7967.3	42.6			
FH	(60°-80°)	4406.0	23.6			G2/5000
FVH	(80°-90°)	106.3	0.6			G2/225
BL	(0°-30°)	1222.9	6.5	B3/2500		
BM	(30°-60°)	2239.9	12.0	B2/2500		
BH	(60°-80°)	1015.7	5.4	B3/2500		G3/2500
BVH	(80°-90°)	71.4	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°	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8
2.5°	3053.1	3048.3	3058.0	3072.4	3079.6	3067.6	3062.8	3060.4	3060.4	3053.1	3065.2
5°	2908.9	2906.5	2928.1	2954.6	3005.1	3041.1	3089.2	3118.1	3108.4	3094.0	3103.6
7.5°	2721.4	2716.6	2743.0	2793.5	2863.2	2942.6	3060.4	3151.7	3187.8	3183.0	3180.6
10°	2793.5	2788.7	2786.3	2771.9	2795.9	2872.8	2995.5	3156.5	3279.1	3281.5	3283.9
12.5°	3043.5	3055.6	3043.5	2997.9	2945.0	2916.1	2988.2	3168.5	3356.1	3370.5	3430.6
15°	3384.9	3372.9	3348.8	3296.0	3214.2	3127.7	3074.8	3223.8	3466.6	3478.7	3610.9
17.5°	3685.4	3695.0	3680.6	3630.1	3534.0	3421.0	3259.9	3320.0	3584.4	3618.1	3803.2
20°	4012.4	4050.8	4031.6	3969.1	3889.8	3721.5	3519.5	3459.4	3714.3	3738.3	4002.7
22.5°	4389.8	4430.7	4394.6	4334.5	4269.6	4062.9	3803.2	3630.1	3822.4	3872.9	4195.1
25°	4841.8	4880.2	4846.6	4752.8	4671.1	4418.7	4108.5	3822.4	3928.2	3983.5	4351.3
27.5°	5200.0	5228.8	5260.1	5204.8	5079.8	4817.7	4425.9	4022.0	4034.0	4091.7	4495.6
30°	5519.7	5591.8	5618.3	5625.5	5519.7	5226.4	4750.4	4228.7	4125.4	4185.5	4639.8
32.5°	5957.2	6065.4	6022.2	6065.4	6002.9	5611.1	5087.0	4442.7	4243.2	4298.4	4776.9
35°	6596.7	6683.3	6570.3	6536.6	6435.7	6000.5	5411.5	4663.9	4399.4	4459.5	4906.7
37.5°	7284.3	7382.8	7219.4	7084.7	6892.4	6385.2	5690.4	4954.8	4615.8	4663.9	5026.9
40°	7885.3	7967.0	7825.2	7647.3	7325.2	6724.1	5930.8	5159.1	4832.1	4892.2	5166.3
42.5°	8440.6	8493.5	8334.9	8164.2	7733.8	7029.5	6190.4	5375.5	5084.6	5142.3	5279.3
45°	9003.2	9044.1	8822.9	8580.1	8075.2	7308.3	6476.5	5678.4	5454.8	5531.7	5462.0
47.5°	9104.2	9116.2	9077.7	8914.2	8344.5	7575.2	6829.9	6084.7	6019.8	6103.9	5776.9
50°	8404.6	8512.8	8750.8	8911.8	8452.7	7798.8	7183.3	6666.4	6798.7	6906.8	6430.8
52.5°	7046.3	7149.7	7700.2	8310.8	8193.0	7849.2	7563.2	7404.5	7897.3	8027.1	7320.3
55°	5613.5	5704.8	6286.6	7166.5	7354.0	7618.4	7969.4	8346.9	9298.9	9385.4	8296.4
57.5°	4623.0	4673.5	5089.4	5935.6	6236.1	6880.4	8188.2	9467.2	10724.5	10856.7	9145.0
60°	3791.2	3846.5	4156.6	4853.8	5252.9	5825.0	8015.1	10573.0	12426.6	12426.6	10234.1
62.5°	2853.6	2901.7	3190.2	3735.9	4406.6	4930.7	7462.2	11306.3	13710.3	13652.6	11022.6
65°	1959.3	1997.8	2206.9	2569.9	3173.4	4202.3	6707.3	11315.9	14561.4	14484.4	11359.2
66°	1644.4	1678.0	1855.9	2149.2	2656.5	3812.8	6440.5	11111.5	14739.3	14631.1	11217.3
67.5°	1298.2	1322.2	1440.0	1613.1	1947.3	3086.8	6019.8	10532.2	14722.4	14657.5	10856.7
70°	928.0	944.8	1031.3	1067.4	1151.5	1786.2	4781.7	9224.4	13542.0	13561.3	9438.3
72.5°	718.8	745.3	798.1	805.4	786.1	949.6	2901.7	7695.4	11077.9	11070.7	7005.4
75°	579.4	593.8	620.2	634.7	629.9	613.0	1228.5	5740.9	7625.7	7714.6	3923.4
77.5°	456.8	454.4	478.4	497.6	512.1	480.8	562.5	3365.7	3997.9	3885.0	1473.7
80°	336.6	336.6	370.2	377.4	399.1	403.9	375.0	1298.2	1372.7	1247.7	382.2
82.5°	221.2	221.2	257.2	262.0	283.7	314.9	271.7	389.5	379.8	360.6	173.1
85°	120.2	115.4	127.4	144.2	156.3	185.1	163.5	194.7	199.5	197.1	115.4
87.5°	24.0	21.6	33.7	38.5	43.3	57.7	52.9	79.3	110.6	108.2	50.5
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°	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8	3062.8
2.5°	3082.0	3079.6	3106.0	3137.3	3173.4	3195.0	3204.6	3221.4	3209.4	3214.2	3228.6
5°	3127.7	3134.9	3173.4	3214.2	3231.0	3219.0	3192.6	3183.0	3161.3	3156.5	3151.7
7.5°	3195.0	3207.0	3245.5	3255.1	3204.6	3120.5	3060.4	3026.7	2990.6	2981.0	2976.2
10°	3305.6	3312.8	3322.4	3223.8	3098.8	2985.8	2911.3	2880.1	2856.0	2836.8	2841.6
12.5°	3445.0	3440.2	3365.7	3161.3	2983.4	2868.0	2817.6	2798.3	2781.5	2769.5	2767.1
15°	3620.5	3586.8	3372.9	3074.8	2875.2	2779.1	2743.0	2735.8	2716.6	2716.6	2714.2
17.5°	3798.4	3711.9	3368.1	2983.4	2771.9	2719.0	2697.3	2692.5	2687.7	2685.3	2692.5
20°	3976.3	3822.4	3329.6	2870.4	2699.8	2668.5	2663.7	2666.1	2661.3	2668.5	2663.7
22.5°	4132.6	3894.6	3257.5	2750.2	2649.3	2646.9	2634.8	2639.7	2656.5	2658.9	2666.1
25°	4252.8	3921.0	3151.7	2639.7	2613.2	2608.4	2622.8	2642.1	2656.5	2658.9	2670.9
27.5°	4351.3	3906.6	3019.5	2553.1	2550.7	2577.1	2620.4	2627.6	2630.0	2630.0	2620.4
30°	4425.9	3875.3	2851.2	2456.9	2469.0	2533.9	2574.7	2574.7	2555.5	2550.7	2565.1
32.5°	4442.7	3834.5	2668.5	2358.4	2377.6	2454.5	2505.0	2488.2	2466.6	2466.6	2476.2
35°	4457.1	3779.2	2521.9	2223.7	2252.6	2344.0	2392.0	2358.4	2334.3	2327.1	2324.7
37.5°	4452.3	3757.5	2389.6	2053.1	2091.5	2180.5	2211.7	2180.5	2144.4	2127.6	2149.2
40°	4457.1	3743.1	2223.7	1865.5	1904.0	1956.9	1997.8	1973.7	1940.1	1896.8	1918.4
42.5°	4486.0	3762.3	2041.0	1682.8	1682.8	1711.7	1781.4	1764.6	1682.8	1666.0	1685.2
45°	4639.8	3865.7	1858.3	1500.1	1473.7	1492.9	1565.0	1492.9	1442.4	1442.4	1459.3
47.5°	5012.5	4058.0	1697.3	1339.1	1276.6	1315.0	1334.2	1266.9	1228.5	1218.9	1235.7
50°	5772.1	4442.7	1601.1	1206.8	1129.9	1158.8	1146.7	1144.3	1105.9	1110.7	1120.3
52.5°	6926.1	5192.8	1572.3	1141.9	1045.8	1053.0	1041.0	1045.8	1038.6	1062.6	1069.8
55°	8183.4	5983.7	1608.3	1151.5	988.1	937.6	942.4	966.4	995.3	1033.7	1041.0
57.5°	9123.4	6380.4	1702.1	1216.5	915.9	839.0	851.0	896.7	952.0	983.3	1000.1
60°	9823.0	6332.3	1839.1	1233.3	829.4	750.1	771.7	839.0	887.1	913.5	930.4
62.5°	10051.3	6031.8	1872.8	1110.7	716.4	665.9	718.8	788.5	810.2	839.0	851.0
65°	9863.8	5606.3	1627.5	901.5	629.9	603.4	680.3	733.2	762.1	776.5	778.9
66°	9642.7	5351.4	1495.3	819.8	598.6	584.2	665.9	709.2	738.0	735.6	738.0
67.5°	9157.0	4817.7	1281.4	704.4	552.9	555.3	641.9	670.7	680.3	673.1	673.1
70°	7505.5	3392.1	918.3	533.7	485.6	519.3	577.0	584.2	605.8	596.2	596.2
72.5°	4627.8	1666.0	615.4	408.7	432.7	485.6	483.2	507.3	557.7	572.2	581.8
75°	2274.2	675.5	406.3	346.2	387.1	406.3	401.5	461.6	533.7	596.2	617.8
77.5°	863.1	336.6	283.7	302.9	312.5	305.3	319.7	418.3	533.7	646.7	668.3
80°	266.8	233.2	223.6	250.0	235.6	223.6	240.4	346.2	452.0	490.4	490.4
82.5°	161.1	182.7	173.1	170.7	158.7	161.1	173.1	247.6	348.6	365.4	365.4
85°	113.0	120.2	98.6	93.8	91.4	88.9	88.9	144.2	206.7	204.3	211.6
87.5°	43.3	48.1	36.1	36.1	33.7	24.0	19.2	24.0	24.0	16.8	12.0
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)