

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: P1210463

Luminaire Tested: **ARCH3-130-730-U-T3RE**

Issue Date: 11/5/2025

Test Information

Test Method: LM-79-08
Report Number: P1210463
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-2510-578-2)
Test Lab: INNOVATION CENTER
Issue Date: 11/5/2025
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: ARCH3-130-730-U-T3RE
Description: ARCHEON CONTEMPORARY ROADWAY AND AREA LUMINAIRE
(1) 70 CRI, 3000K, 1035mA LIGHTSQUARE WITH 40 LEDS AND TYPE III ROADWAY
ILLUMINANCE OPTICS
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 18775 lumens
Efficiency: N/A
Efficacy: 141.6 lumens/watt
Luminous Opening: Rectangular (W 0.58' x L: 0.58' x H: 0')
IES Classification: Type III - 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



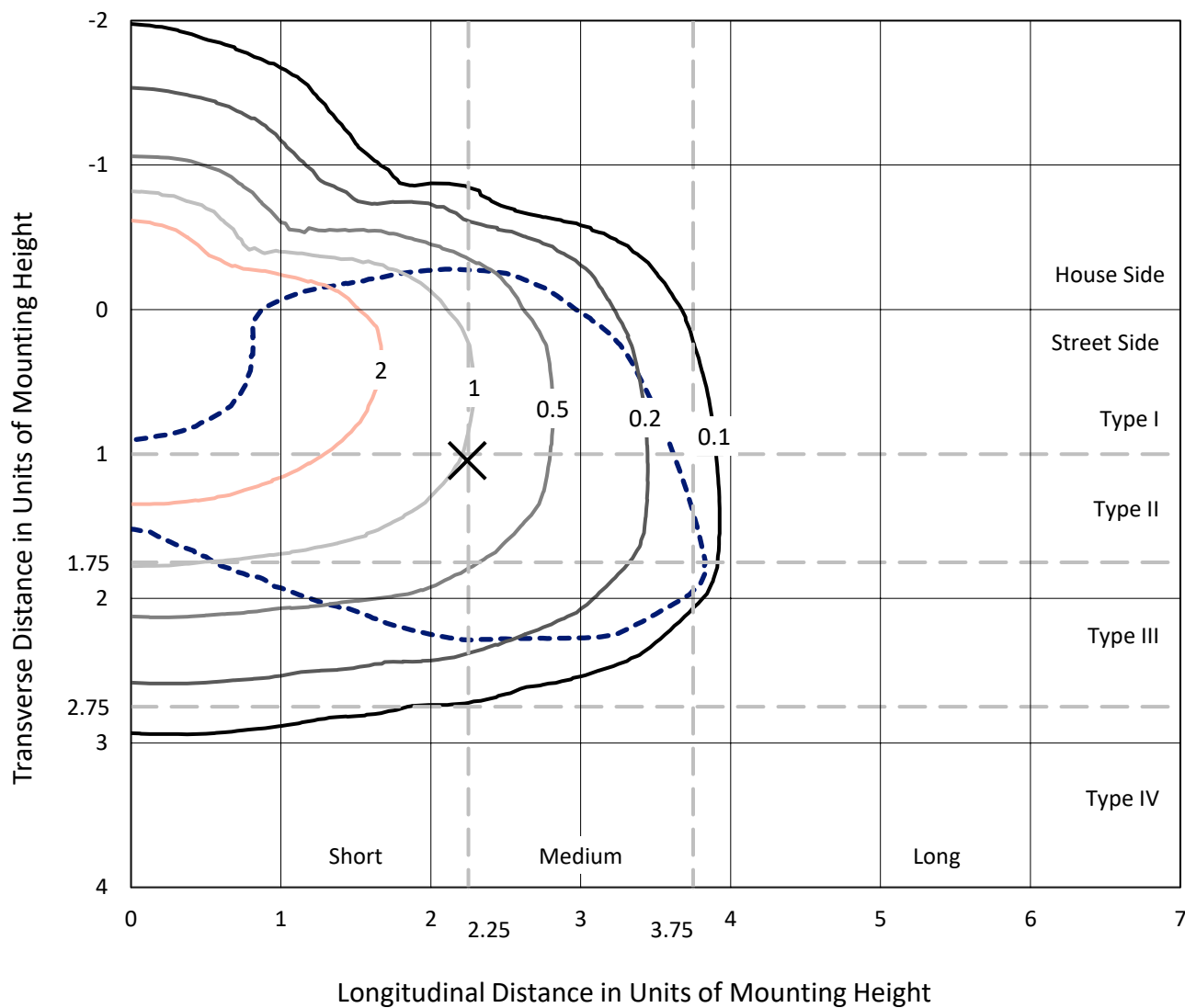
REPORT NUMBER: P1210463

CATALOG NUMBER: ARCH3-130-730-U-T3RE

Iso-Footcandle Lines of Horizontal Illumination

✕ Max cd

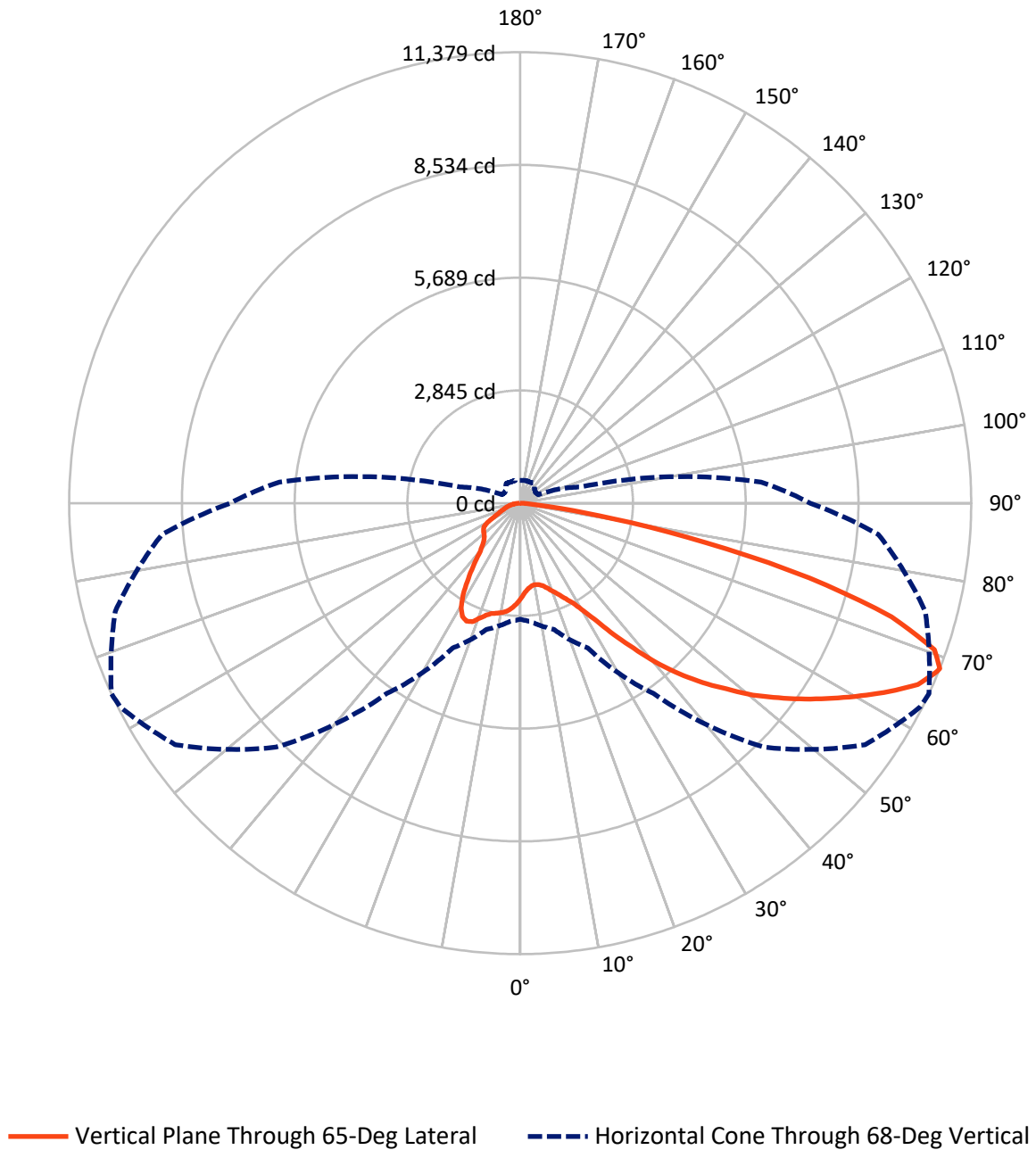
--- 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.4 fc
Type III - Short - N/A

REPORT NUMBER: P1210463
CATALOG NUMBER: ARCH3-130-730-U-T3RE

Luminous Intensity Polar Plot



REPORT NUMBER: P1210463

CATALOG NUMBER: ARCH3-130-730-U-T3RE

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4603.1	0.0	4603.1
	% Fixture	24.5	0.0	24.5
Street Side	Lumens	14171.9	0.0	14171.9
	% Fixture	75.5	0.0	75.5
Total	Lumens	18775.0	0.0	18775.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	229.3	1.2
10°-20°	746.6	4.0
20°-30°	1351.2	7.2
30°-40°	2125.6	11.3
40°-50°	3165.9	16.9
50°-60°	4153.0	22.1
60°-70°	4541.6	24.2
70°-80°	2247.3	12.0
80°-90°	214.4	1.1
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°	18775.0	100.0
0°-180°	18775.0	100.0

Coefficient of Utilization



REPORT NUMBER: P1210463

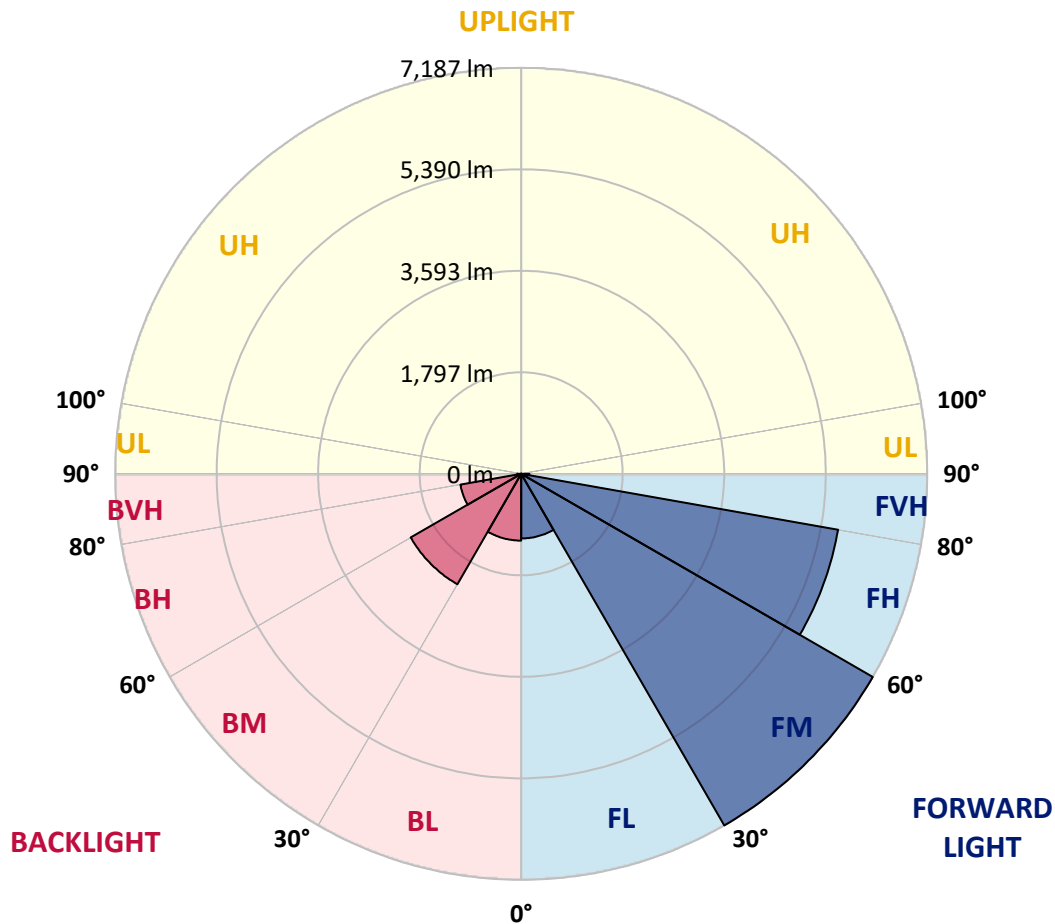
CATALOG NUMBER: ARCH3-130-730-U-T3RE

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	1144.5	6.1			
FM	(30°-60°)	7186.8	38.3			
FH	(60°-80°)	5696.4	30.3			G3/7500
FVH	(80°-90°)	144.2	0.8			G2/225
BL	(0°-30°)	1182.6	6.3	B3/2500		
BM	(30°-60°)	2257.8	12.0	B2/2500		
BH	(60°-80°)	1092.5	5.8	B3/2500		G3/2500
BVH	(80°-90°)	70.2	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 III Short



REPORT NUMBER: P1210463

CATALOG NUMBER: ARCH3-130-730-U-T3RE

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	63°	65°	75°	85°
0°	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2
2.5°	2094.2	2089.3	2101.4	2113.5	2140.2	2171.6	2215.2	2251.5	2256.4	2324.2	2377.4
5°	1970.7	1963.4	1975.5	1990.1	2002.2	2040.9	2086.9	2140.2	2162.0	2261.2	2375.0
7.5°	1982.8	1980.4	1985.2	1980.4	1980.4	1997.3	2028.8	2082.1	2106.3	2224.9	2387.1
10°	2053.0	2057.9	2060.3	2045.7	2031.2	2024.0	2033.6	2070.0	2086.9	2227.3	2440.4
12.5°	2169.2	2176.5	2178.9	2152.3	2132.9	2101.4	2084.5	2099.0	2111.1	2251.5	2515.4
15°	2326.6	2331.4	2314.5	2297.5	2249.1	2210.4	2169.2	2157.1	2162.0	2302.4	2600.2
17.5°	2510.6	2503.3	2503.3	2462.2	2399.2	2338.7	2270.9	2261.2	2261.2	2384.7	2721.2
20°	2711.5	2718.8	2697.0	2641.3	2578.4	2484.0	2416.2	2372.6	2377.4	2479.1	2868.9
22.5°	3002.0	3014.2	2956.0	2876.2	2779.3	2670.4	2573.5	2503.3	2505.7	2602.6	3021.4
25°	3314.4	3319.2	3282.9	3176.4	3045.6	2890.7	2762.4	2672.8	2670.4	2740.6	3217.5
27.5°	3633.9	3655.7	3583.1	3481.4	3360.4	3166.7	2997.2	2876.2	2856.8	2951.2	3462.0
30°	3963.2	3989.8	3919.6	3820.3	3670.2	3505.6	3304.7	3164.3	3152.1	3278.0	3788.9
32.5°	4294.9	4302.1	4246.4	4164.1	4028.6	3873.6	3711.4	3556.5	3544.4	3750.1	4212.6
35°	4566.0	4587.8	4549.1	4529.7	4430.4	4287.6	4130.2	4040.7	4072.1	4336.0	4762.1
37.5°	4892.9	4914.6	4871.1	4866.2	4834.7	4711.3	4602.3	4609.6	4641.1	4999.4	5340.7
40°	5364.9	5389.2	5277.8	5229.4	5229.4	5108.3	5072.0	5243.9	5285.1	5653.0	5943.6
42.5°	5764.4	5803.2	5737.8	5706.3	5611.9	5527.2	5570.7	5812.8	5883.0	6277.7	6468.9
45°	5958.1	5987.1	6064.6	6156.6	6064.6	5916.9	6081.6	6355.1	6454.4	6853.9	6994.3
47.5°	6062.2	6088.8	6178.4	6425.3	6488.3	6364.8	6597.2	6938.6	7006.4	7425.2	7495.4
50°	6076.7	6161.5	6277.7	6524.6	6812.7	6829.7	7115.3	7531.7	7611.6	7986.9	7936.1
52.5°	5958.1	5992.0	6231.7	6648.1	6967.7	7258.2	7679.4	8100.7	8158.8	8514.7	8325.8
55°	5764.4	5812.8	6052.5	6619.0	7117.8	7664.9	8253.2	8659.9	8725.3	9027.9	8686.6
57.5°	5590.1	5614.3	5870.9	6534.3	7267.9	8071.6	8764.0	9243.4	9287.0	9478.2	8952.9
60°	5396.4	5423.1	5679.7	6352.7	7379.2	8379.1	9296.7	9831.7	9870.4	9952.8	9262.8
62.5°	4895.3	4965.5	5287.5	6052.5	7350.2	8730.1	9865.6	10412.7	10461.2	10371.6	9507.3
65°	3975.3	4074.6	4469.2	5372.2	7079.0	8957.7	10330.4	10947.8	11030.1	10686.3	9572.7
67.5°	3086.8	3157.0	3474.1	4263.4	6127.6	8843.9	10630.6	11315.8	11340.0	10635.5	9209.5
68°	2927.0	2997.2	3299.8	4031.0	5863.7	8708.4	10623.4	11325.5	11378.7	10579.8	9069.1
70°	2239.4	2319.3	2607.4	3193.3	4725.8	7846.5	10180.3	11093.0	11085.8	9906.8	8197.5
72.5°	1399.3	1445.3	1643.9	2014.3	3125.5	5970.2	8640.6	9783.3	9802.7	8076.5	6287.4
75°	888.5	888.5	878.8	975.7	1602.7	3401.5	6422.9	7531.7	7546.3	5655.5	3963.2
77.5°	772.3	750.5	646.4	547.1	639.1	1321.9	3801.0	4863.8	4783.9	3045.6	1881.1
80°	651.3	614.9	530.2	440.6	411.6	414.0	1459.9	2469.4	2362.9	1096.7	624.6
82.5°	469.7	438.2	399.5	346.2	317.2	246.9	305.0	714.2	697.2	317.2	203.4
85°	254.2	230.0	225.2	227.6	191.3	152.5	128.3	157.4	157.4	138.0	116.2
87.5°	89.6	65.4	77.5	87.2	75.1	62.9	50.8	60.5	62.9	60.5	55.7
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: P1210463

CATALOG NUMBER: ARCH3-130-730-U-T3RE

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2	2399.2
2.5°	2408.9	2433.1	2491.2	2542.1	2578.4	2609.8	2626.8	2634.1	2651.0	2653.4	2648.6
5°	2428.3	2491.2	2578.4	2653.4	2694.6	2711.5	2716.4	2718.8	2711.5	2716.4	2711.5
7.5°	2479.1	2559.0	2682.5	2747.8	2755.1	2728.5	2730.9	2721.2	2730.9	2740.6	2740.6
10°	2556.6	2658.3	2774.5	2798.7	2767.2	2752.7	2781.7	2839.8	2859.2	2885.8	2885.8
12.5°	2658.3	2779.3	2861.6	2839.8	2810.8	2859.2	2943.9	3002.0	3021.4	3031.1	3023.8
15°	2774.5	2905.2	2946.4	2873.7	2927.0	3031.1	3060.2	3026.3	2977.8	2956.0	2968.2
17.5°	2922.2	3031.1	3006.9	2958.5	3079.5	3094.0	2999.6	2890.7	2813.2	2784.2	2803.5
20°	3077.1	3171.5	3060.2	3081.9	3157.0	3002.0	2822.9	2682.5	2614.7	2602.6	2621.9
22.5°	3241.7	3302.3	3113.4	3224.8	3113.4	2798.7	2583.2	2510.6	2493.6	2513.0	2530.0
25°	3428.1	3420.9	3205.4	3268.4	2951.2	2549.3	2421.0	2416.2	2416.2	2428.3	2452.5
27.5°	3638.8	3525.0	3297.4	3210.3	2670.4	2343.5	2319.3	2321.7	2314.5	2316.9	2329.0
30°	3883.3	3665.4	3399.1	3019.0	2355.6	2188.6	2178.9	2171.6	2154.7	2149.9	2154.7
32.5°	4190.8	3813.1	3503.2	2704.3	2079.6	2028.8	2024.0	1985.2	1944.1	1939.2	1956.2
35°	4580.5	4081.8	3556.5	2309.6	1852.1	1849.6	1832.7	1772.2	1718.9	1718.9	1706.8
37.5°	5026.0	4428.0	3578.2	1924.7	1663.2	1675.3	1626.9	1549.4	1508.3	1484.1	1491.3
40°	5481.2	4822.6	3575.8	1588.2	1498.6	1501.0	1464.7	1370.3	1268.6	1208.1	1222.6
42.5°	5919.4	5181.0	3512.9	1409.0	1365.4	1358.2	1329.1	1200.8	1116.1	1067.7	1070.1
45°	6270.4	5551.4	3416.0	1302.5	1244.4	1256.5	1191.1	1113.7	1036.2	992.6	990.2
47.5°	6621.5	5832.2	3261.1	1237.1	1154.8	1133.0	1106.4	1053.1	995.0	946.6	949.0
50°	6941.0	6071.9	3115.8	1193.6	1072.5	1016.8	1021.7	990.2	939.4	895.8	893.4
52.5°	7166.2	6229.2	3035.9	1169.3	973.2	912.7	929.7	912.7	864.3	832.8	830.4
55°	7391.3	6350.3	3062.6	1137.9	864.3	815.9	844.9	840.1	813.5	803.8	806.2
57.5°	7572.9	6442.3	3157.0	1079.8	760.2	731.1	779.6	765.0	745.7	748.1	748.1
60°	7749.6	6560.9	3268.4	946.6	670.6	673.0	719.0	692.4	680.3	702.1	704.5
62.5°	7933.6	6689.2	3176.4	752.9	593.1	610.1	663.4	641.6	646.4	677.9	687.6
65°	7911.8	6677.1	2588.1	617.4	525.4	559.3	639.1	631.9	634.3	646.4	651.3
67.5°	7466.4	6251.0	1779.4	525.4	476.9	518.1	619.8	590.7	593.1	585.9	588.3
68°	7316.3	6100.9	1568.8	510.8	467.3	508.4	610.1	583.5	585.9	578.6	576.2
70°	6498.0	5224.5	992.6	450.3	433.4	481.8	561.7	552.0	549.6	544.7	544.7
72.5°	4953.4	3856.7	522.9	389.8	394.6	440.6	501.1	520.5	508.4	510.8	525.4
75°	3280.5	2319.3	363.2	334.1	346.2	377.7	445.5	484.2	472.1	479.4	472.1
77.5°	1735.9	1249.2	290.5	283.3	283.3	305.0	368.0	428.5	428.5	423.7	416.4
80°	568.9	440.6	232.4	222.7	227.6	239.7	295.4	351.0	358.3	348.6	343.8
82.5°	191.3	203.4	174.3	162.2	167.0	176.7	222.7	268.7	271.2	251.8	246.9
85°	118.6	135.6	108.9	106.5	106.5	108.9	135.6	147.7	135.6	121.1	125.9
87.5°	55.7	67.8	50.8	43.6	36.3	31.5	24.2	9.7	9.7	4.8	4.8
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)