

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: P479952

Luminaire Tested: **IFLD-S-SA3C-722-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479952  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA3C-722-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (48) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

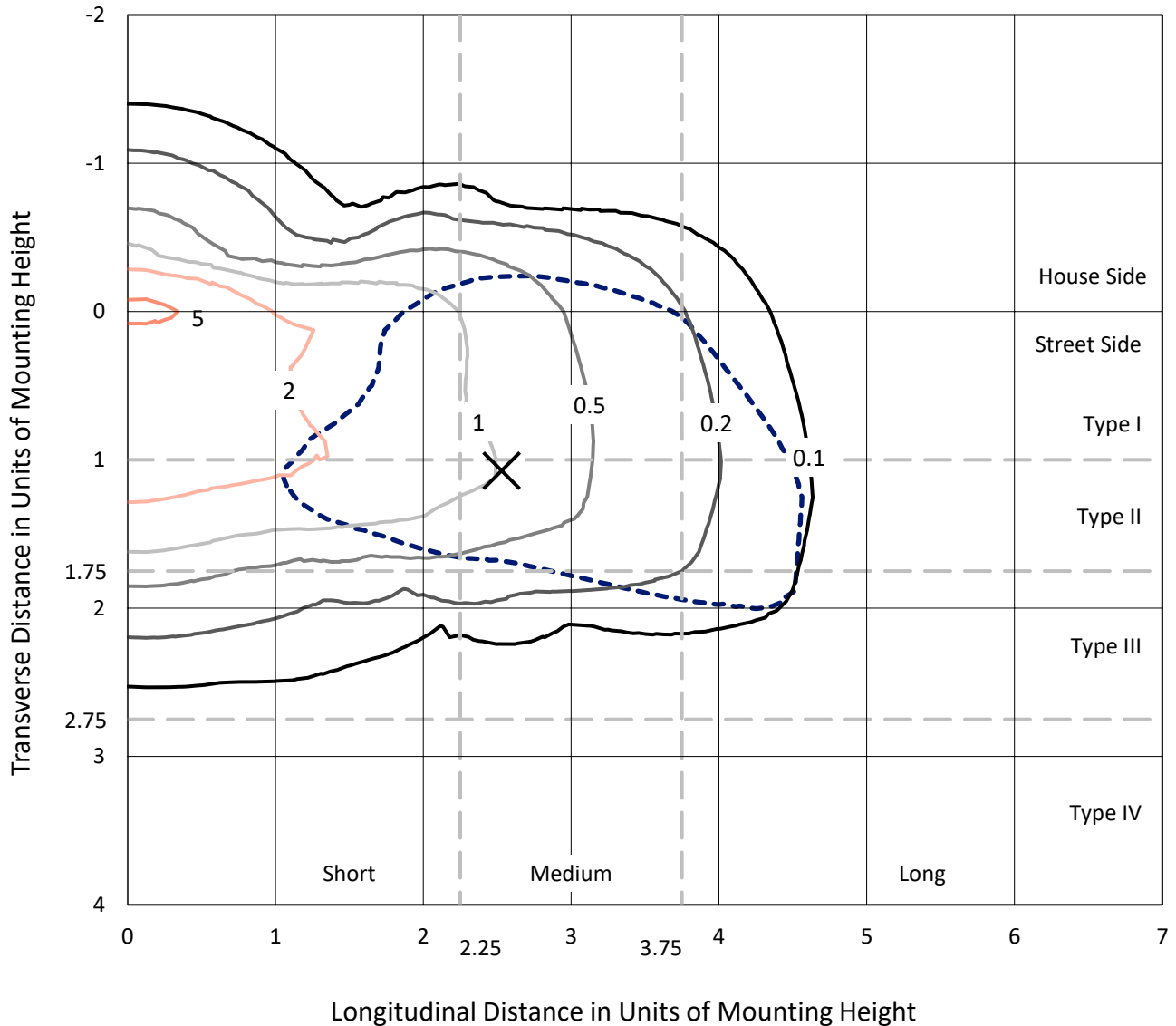
Lumens per Lamp: N/A  
Luminaire Lumens: 15556.7 lumens  
Efficiency: N/A  
Efficacy: 96.7 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G3

Input Watts (W): 160.8  
Input Voltage (V): 120  
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

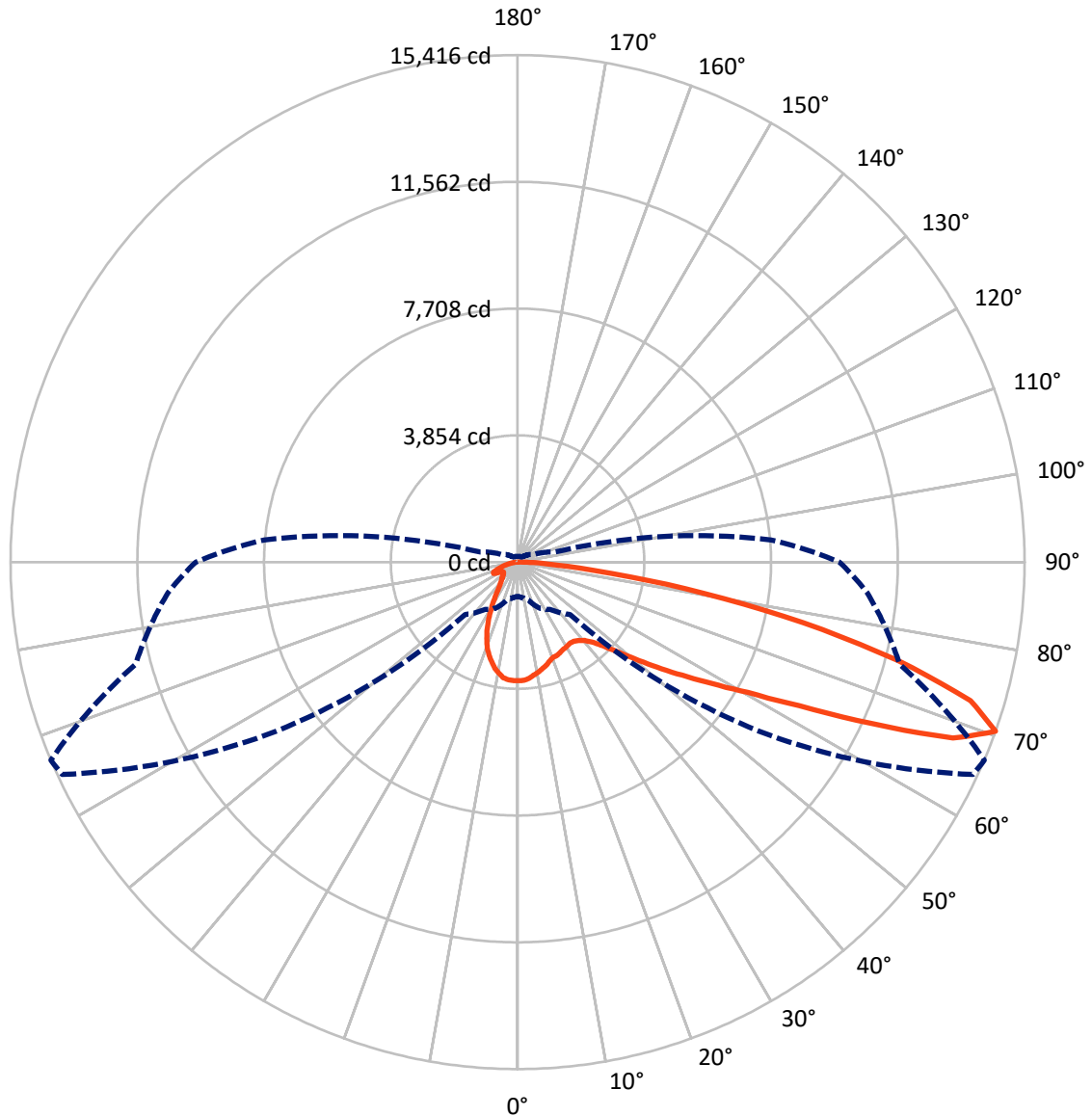
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 5.8 fc  
 Type III - Medium - N/A

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CATALOG NUMBER: IFLD-S-SA3C-722-U-SL2

### Luminous Intensity Polar Plot



— Vertical Plane Through 67-Deg Lateral    - - - Horizontal Cone Through 70-Deg Vertical

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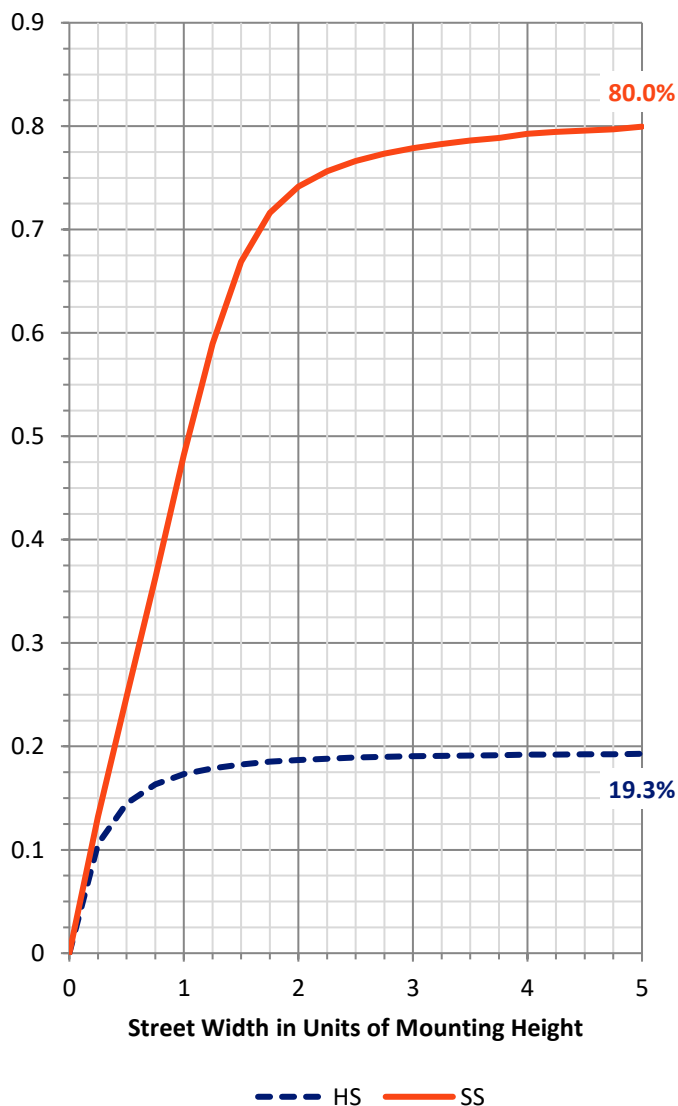
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	3029.8	0.0	3029.8
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	12526.9	0.0	12526.9
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	15556.7	0.0	15556.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	314.2	2.0
10°-20°	752.6	4.8
20°-30°	1016.3	6.5
30°-40°	1359.9	8.7
40°-50°	1999.6	12.9
50°-60°	3117.0	20.0
60°-70°	3839.6	24.7
70°-80°	2713.0	17.4
80°-90°	444.7	2.9
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°	15556.7	100.0
0°-180°	15556.7	100.0

**Coefficient of Utilization**

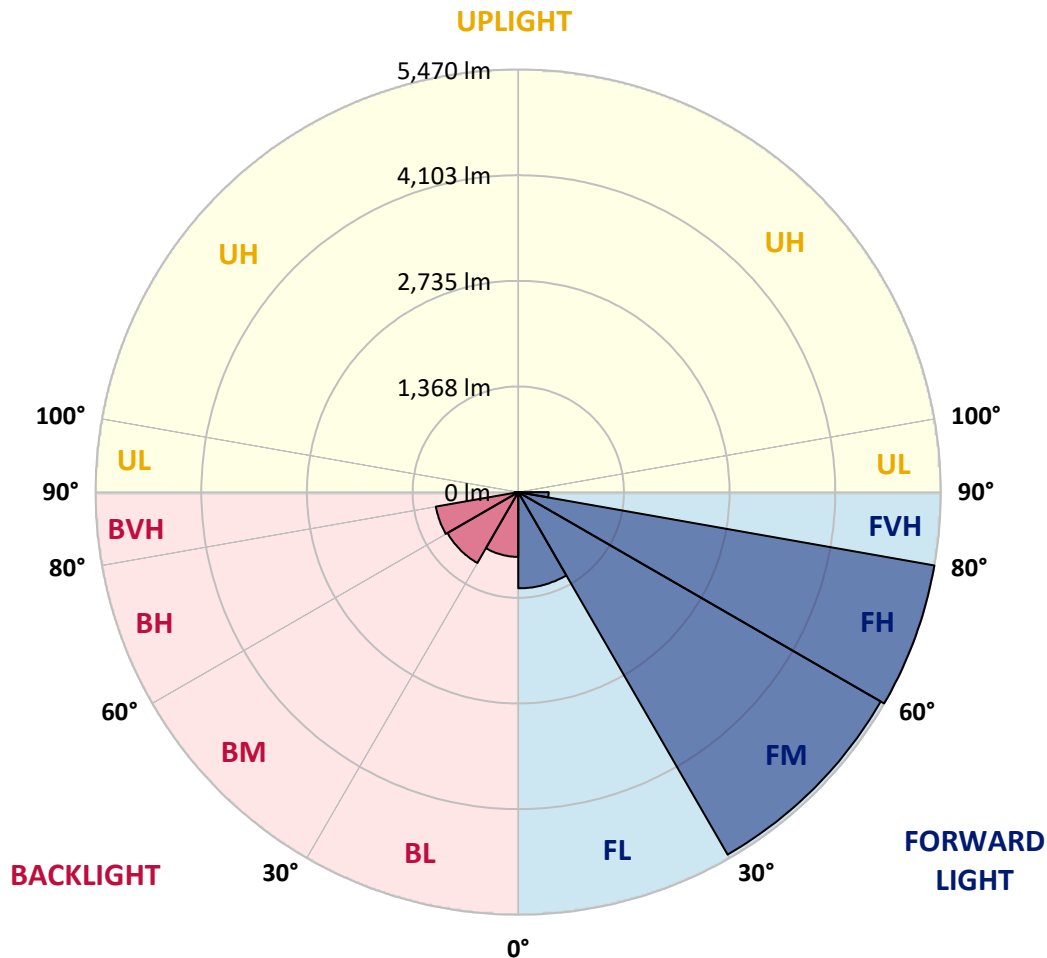


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 CATALOG NUMBER: IFLD-S-SA3C-722-U-SL2

**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1245.2	8.0			
FM (30°-60°)	5418.1	34.8			
FH (60°-80°)	5470.3	35.2			G3/7500
FVH (80°-90°)	393.4	2.5			G3/500
BL (0°-30°)	837.8	5.4	B2/1000		
BM (30°-60°)	1058.4	6.8	B2/2500		
BH (60°-80°)	1082.3	7.0	B3/2500		G3/2500
BVH (80°-90°)	51.3	0.3			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 Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3
2.5°	3353.3	3391.2	3405.0	3425.7	3479.1	3518.7	3542.8	3570.3	3603.1	3630.6	3647.8
5°	3119.1	3139.8	3172.5	3194.9	3262.0	3368.8	3441.2	3558.3	3554.8	3597.9	3663.3
7.5°	2891.7	2912.4	2927.9	2972.7	3069.1	3165.6	3298.2	3487.7	3473.9	3573.8	3675.4
10°	2750.5	2735.0	2740.2	2816.0	2891.7	3000.3	3167.3	3360.2	3410.2	3565.2	3709.8
12.5°	2617.9	2600.7	2642.0	2690.2	2783.2	2881.4	3081.2	3255.2	3330.9	3534.2	3725.3
15°	2535.2	2523.2	2574.8	2595.5	2705.7	2822.9	2964.1	3175.9	3258.6	3496.3	3701.2
17.5°	2488.7	2499.1	2518.0	2562.8	2633.4	2733.3	2888.3	3122.5	3158.7	3449.8	3696.1
20°	2497.3	2509.4	2511.1	2530.1	2578.3	2655.8	2814.2	3065.7	3089.8	3441.2	3709.8
22.5°	2566.2	2549.0	2555.9	2543.8	2557.6	2617.9	2757.4	2989.9	3082.9	3368.8	3680.6
25°	2669.6	2645.5	2642.0	2600.7	2574.8	2592.1	2747.1	2971.0	3031.3	3346.4	3678.8
27.5°	2852.1	2816.0	2816.0	2754.0	2648.9	2621.3	2717.8	2940.0	2993.4	3325.8	3639.2
30°	3027.8	3027.8	3029.5	2941.7	2824.6	2688.5	2729.9	2927.9	2962.4	3263.8	3585.8
32.5°	3241.4	3236.2	3227.6	3184.5	3003.7	2800.5	2788.4	2912.4	2929.6	3243.1	3570.3
35°	3449.8	3436.0	3503.2	3465.3	3281.0	3019.2	2848.7	2919.3	2957.2	3212.1	3522.1
37.5°	3606.5	3615.1	3754.6	3778.7	3620.3	3267.2	3019.2	2988.2	3024.4	3256.9	3522.1
40°	3809.7	3844.2	3975.1	4056.0	3959.6	3594.4	3289.6	3103.6	3129.4	3356.8	3597.9
42.5°	4076.7	4106.0	4273.0	4378.1	4350.5	4011.2	3556.6	3344.7	3324.0	3523.8	3711.6
45°	4429.8	4434.9	4603.7	4748.4	4805.2	4447.0	3980.2	3649.6	3632.3	3811.5	3920.0
47.5°	4850.0	4844.8	4949.9	5104.9	5258.2	4967.1	4467.7	4112.9	4050.9	4223.1	4266.1
50°	5256.5	5234.1	5258.2	5456.3	5750.8	5618.2	5060.1	4679.5	4617.5	4712.2	4786.3
52.5°	5480.4	5507.9	5442.5	5704.3	6274.4	6388.0	5845.5	5356.4	5303.0	5349.5	5478.6
55°	5323.6	5380.5	5337.4	5585.4	6503.4	7326.7	6861.7	6140.0	6071.1	6053.9	6265.7
57.5°	4657.1	4760.4	4769.1	5161.7	6424.2	8053.5	8291.2	7064.9	6961.5	6785.9	7004.6
60°	3575.5	3678.8	3758.1	4223.1	5745.6	8487.5	9948.0	8380.7	8039.7	7585.0	7715.9
62.5°	2506.0	2576.6	2655.8	2941.7	4429.8	8232.6	11381.0	10233.9	9605.3	8427.2	8590.8
65°	1825.6	1880.8	1961.7	2130.5	2721.2	6811.7	12045.8	12435.0	11839.1	9498.5	9477.8
67.5°	1374.4	1408.8	1515.6	1786.0	1885.9	4207.6	11356.9	14760.1	14277.9	10688.6	10190.9
70°	1040.3	1069.6	1169.4	1539.7	1761.9	2256.2	8959.4	15278.6	15416.3	12023.4	10669.7
72.5°	716.5	749.2	861.2	1283.1	1677.5	1789.5	5623.3	13880.0	14401.9	12572.8	10156.4
75°	439.2	461.6	527.0	973.1	1665.5	1749.9	3095.0	11374.1	11926.9	11616.9	8885.4
77.5°	310.0	308.3	320.3	570.1	1443.3	1760.2	1908.3	8334.2	8871.6	8561.6	6029.8
80°	225.6	227.3	239.4	341.0	980.0	1789.5	1503.6	5582.0	5742.2	4464.2	2378.5
82.5°	136.1	143.0	172.2	230.8	589.0	1615.5	1389.9	3101.9	2902.1	1433.0	654.5
85°	72.3	72.3	101.6	146.4	313.5	1205.6	1338.2	1476.0	1236.6	444.4	242.8
87.5°	17.2	17.2	29.3	58.6	125.7	577.0	912.8	587.3	470.2	149.8	99.9
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: P479952

CATALOG NUMBER: IFLD-S-SA3C-722-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3	3601.3
2.5°	3640.9	3620.3	3646.1	3594.4	3553.1	3554.8	3491.1	3487.7	3479.1	3434.3	3449.8
5°	3682.3	3665.1	3635.8	3578.9	3487.7	3396.4	3341.3	3270.7	3241.4	3225.9	3232.8
7.5°	3721.9	3690.9	3606.5	3527.3	3386.0	3213.8	3113.9	3019.2	2898.6	2884.9	2860.7
10°	3732.2	3666.8	3558.3	3389.5	3201.8	3010.6	2783.2	2607.6	2514.6	2442.2	2414.7
12.5°	3716.7	3689.2	3480.8	3263.8	2979.6	2679.9	2414.7	2166.7	1994.4	1904.9	1880.8
15°	3715.0	3666.8	3394.7	3072.6	2709.2	2318.2	1941.0	1643.1	1462.2	1388.2	1388.2
17.5°	3716.7	3601.3	3293.0	2879.7	2390.6	1861.8	1446.7	1202.2	1102.3	1091.9	1100.6
20°	3682.3	3553.1	3186.3	2652.3	1991.0	1398.5	1050.6	950.7	950.7	964.5	969.7
22.5°	3651.3	3480.8	3017.5	2371.6	1584.5	1012.7	854.3	825.0	857.7	881.8	892.2
25°	3608.2	3420.5	2845.2	2080.5	1205.6	816.4	742.3	749.2	780.2	823.3	819.8
27.5°	3546.2	3315.4	2640.3	1743.0	897.3	704.4	685.5	688.9	721.6	740.6	737.1
30°	3475.6	3208.7	2450.8	1407.1	711.3	645.9	644.1	652.8	657.9	668.3	666.5
32.5°	3386.0	3067.4	2249.3	1093.7	640.7	613.1	606.3	601.1	606.3	604.5	599.4
35°	3322.3	2991.6	2044.4	833.6	601.1	583.9	578.7	570.1	563.2	552.9	551.1
37.5°	3305.1	2915.9	1829.1	680.3	570.1	561.5	544.2	528.7	520.1	515.0	511.5
40°	3294.8	2865.9	1619.0	597.6	544.2	535.6	515.0	494.3	485.7	480.5	482.2
42.5°	3330.9	2838.4	1405.4	556.3	521.9	506.4	484.0	459.9	458.1	454.7	459.9
45°	3458.4	2872.8	1207.3	527.0	499.5	473.6	444.4	432.3	430.6	427.1	430.6
47.5°	3747.7	2958.9	1038.5	508.1	475.4	453.0	422.0	404.7	403.0	401.3	401.3
50°	4147.3	3224.2	897.3	485.7	459.9	428.9	399.6	380.6	377.2	370.3	370.3
52.5°	4774.2	3670.2	812.9	473.6	432.3	406.5	375.5	354.8	346.2	339.3	339.3
55°	5480.4	4223.1	797.4	453.0	403.0	378.9	351.3	330.7	322.1	313.5	310.0
57.5°	6284.7	4955.1	907.7	439.2	382.4	351.3	320.3	301.4	294.5	285.9	282.5
60°	7033.9	5685.3	1250.4	418.5	363.4	325.5	294.5	275.6	267.0	258.3	258.3
62.5°	7900.2	6589.5	1830.8	418.5	346.2	298.0	267.0	253.2	248.0	239.4	237.7
65°	8925.0	7524.7	2254.5	444.4	341.0	273.8	241.1	227.3	222.2	217.0	215.3
67.5°	9705.2	8062.1	1939.3	513.2	363.4	253.2	215.3	206.7	203.2	198.1	194.6
70°	9787.8	7734.9	1169.4	554.6	385.8	232.5	192.9	184.3	184.3	179.1	175.7
72.5°	9045.5	6863.4	787.1	494.3	349.6	208.4	170.5	163.6	160.2	156.7	155.0
75°	7569.5	5821.4	621.8	394.4	268.7	172.2	148.1	141.2	136.1	134.3	130.9
77.5°	5084.2	3783.9	459.9	308.3	198.1	139.5	124.0	117.1	111.9	110.2	105.1
80°	1953.1	1441.6	296.2	223.9	139.5	110.2	98.2	91.3	87.8	82.7	79.2
82.5°	575.2	466.7	165.3	137.8	89.6	75.8	70.6	65.4	60.3	55.1	53.4
85°	237.7	213.6	101.6	72.3	55.1	44.8	41.3	36.2	31.0	27.6	24.1
87.5°	110.2	91.3	46.5	27.6	18.9	10.3	5.2	1.7	0.0	0.0	0.0
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)