

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: P479967

Luminaire Tested: **IFLD-S-SA6C-722-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P479967  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6C-722-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (96) 2200K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

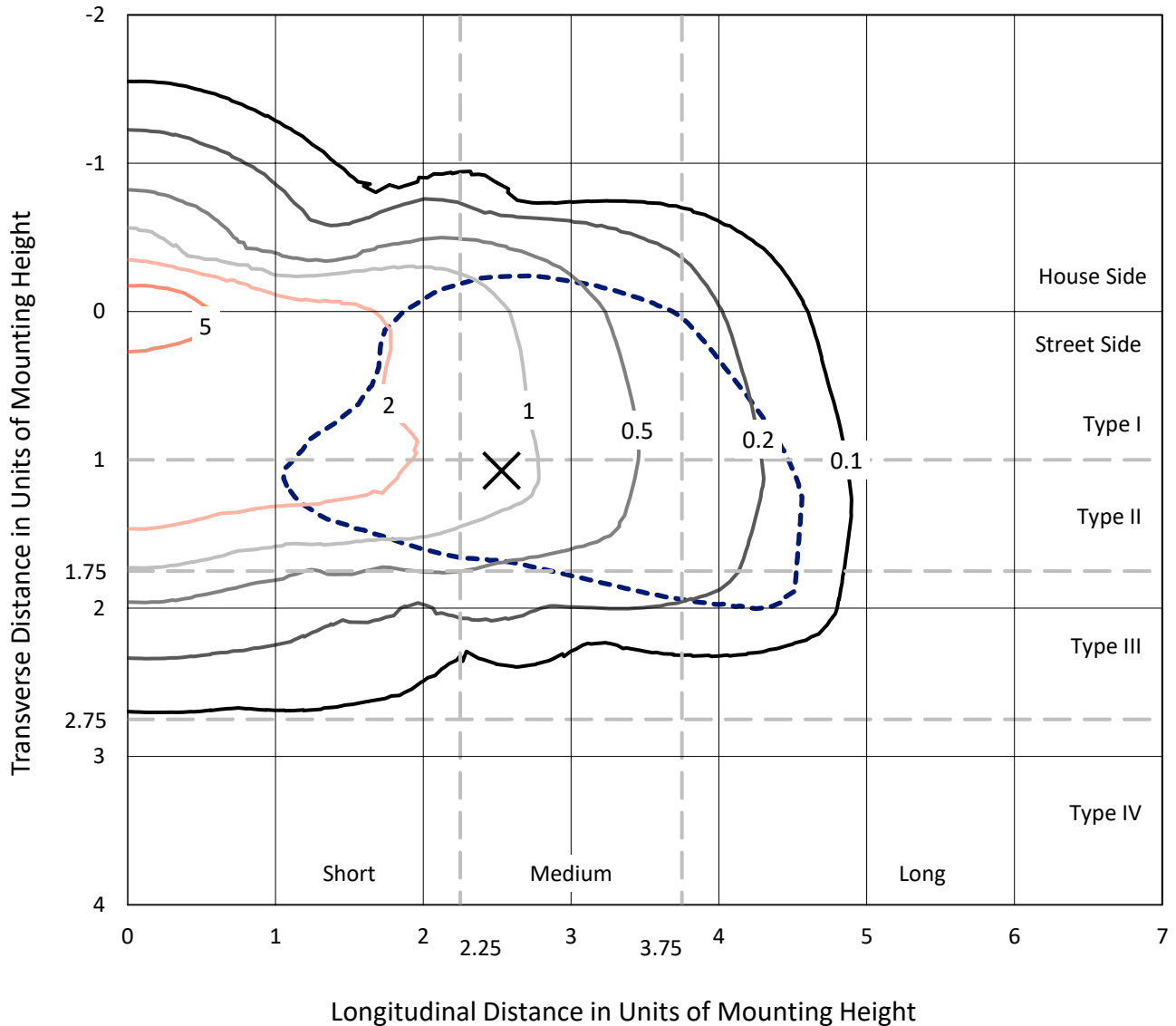
Lumens per Lamp: N/A  
Luminaire Lumens: 30517 lumens  
Efficiency: N/A  
Efficacy: 94.9 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G5

Input Watts (W): 321.5  
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

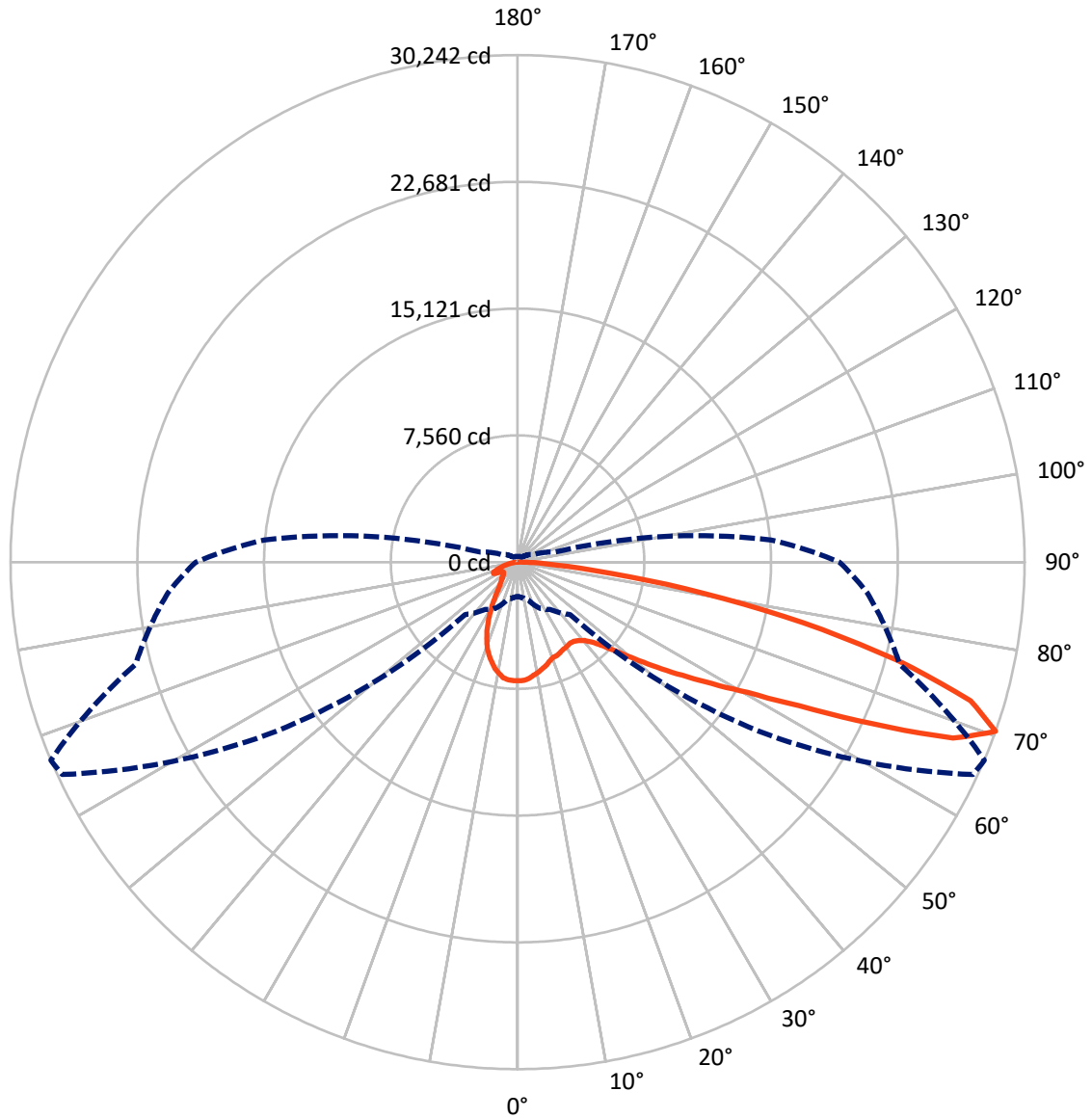
✕ Max cd  
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 7.9 fc  
 Type III - Medium - N/A

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### Luminous Intensity Polar Plot



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

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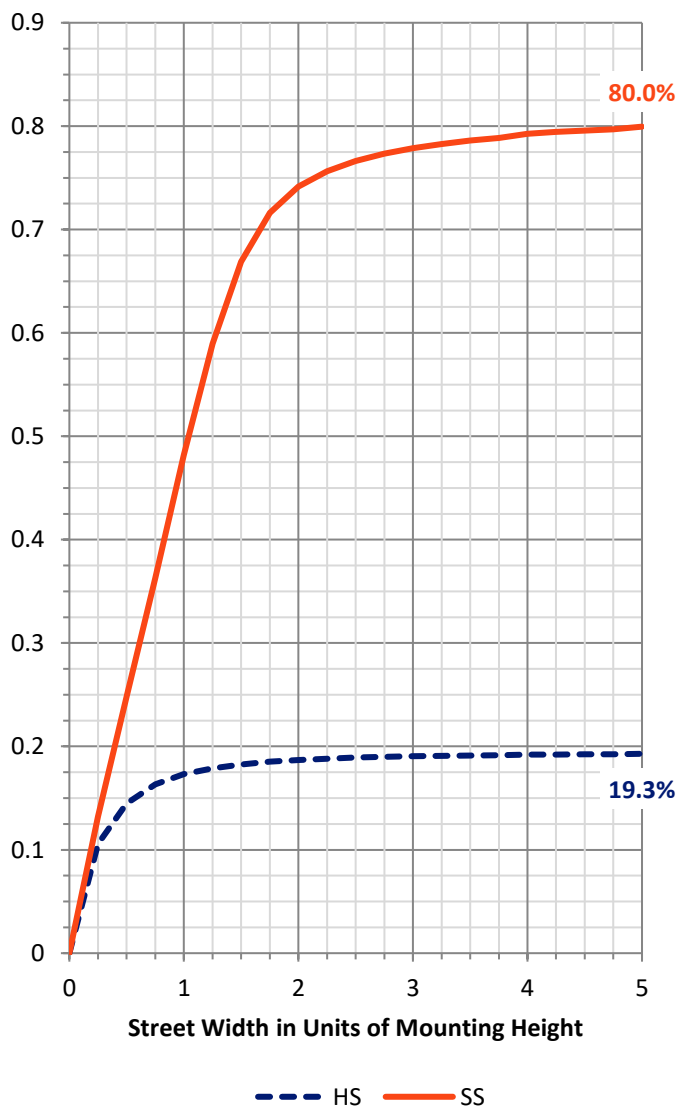
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5943.5	0.0	5943.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	24573.5	0.0	24573.5
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	30517.0	0.0	30517.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	616.4	2.0
10°-20°	1476.3	4.8
20°-30°	1993.6	6.5
30°-40°	2667.6	8.7
40°-50°	3922.6	12.9
50°-60°	6114.4	20.0
60°-70°	7531.9	24.7
70°-80°	5322.0	17.4
80°-90°	872.3	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°	30517.0	100.0
0°-180°	30517.0	100.0

**Coefficient of Utilization**



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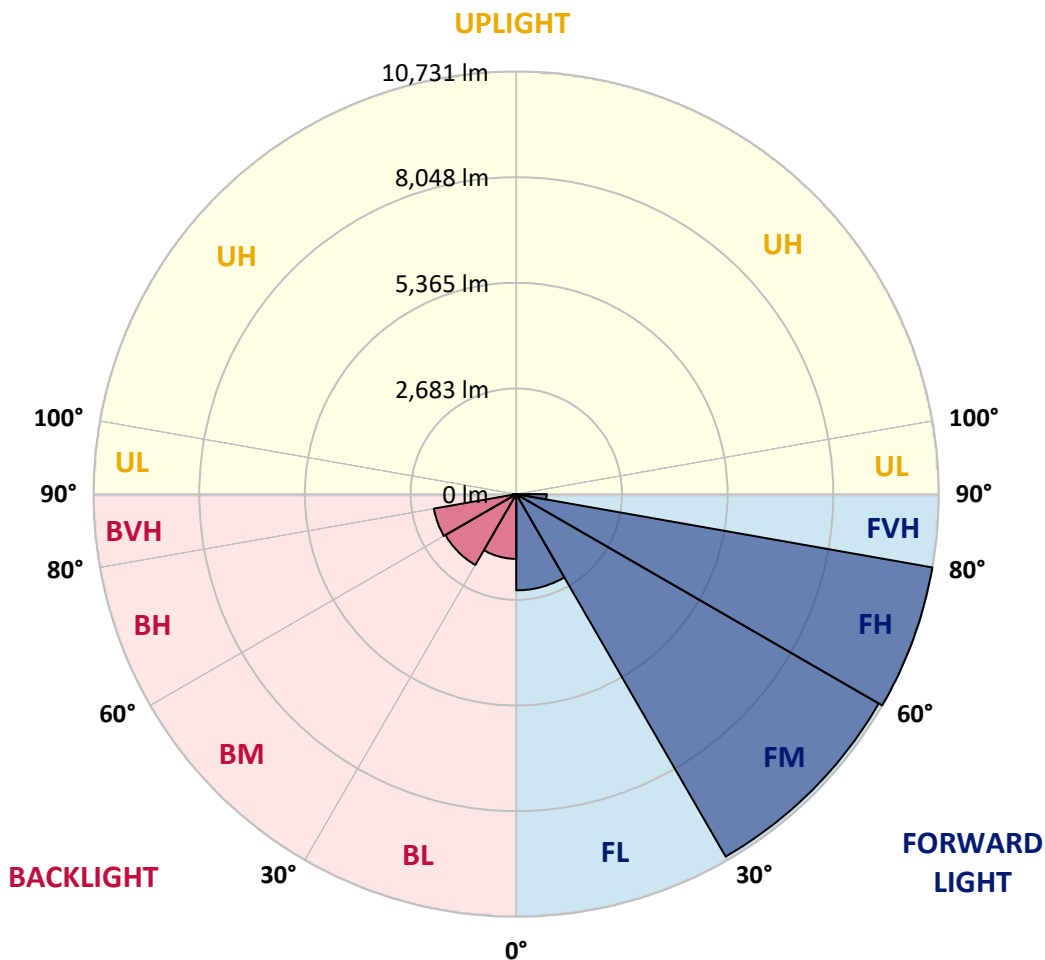
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2442.7	8.0			
FM (30°-60°)	10628.4	34.8			
FH (60°-80°)	10730.8	35.2			G4/12000
FVH (80°-90°)	771.7	2.5			G5
BL (0°-30°)	1643.6	5.4	B3/2500		
BM (30°-60°)	2076.2	6.8	B2/2500		
BH (60°-80°)	2123.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	100.6	0.3			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B3-U0-G5**

Type III Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6
2.5°	6578.1	6652.4	6679.4	6720.0	6824.7	6902.4	6949.7	7003.8	7068.0	7122.0	7155.8
5°	6118.6	6159.1	6223.3	6267.3	6399.0	6608.5	6750.4	6980.1	6973.4	7057.8	7186.2
7.5°	5672.6	5713.2	5743.6	5831.4	6020.6	6209.8	6470.0	6841.6	6814.6	7010.5	7209.9
10°	5395.6	5365.2	5375.3	5524.0	5672.6	5885.5	6213.2	6591.6	6689.6	6993.6	7277.4
12.5°	5135.4	5101.6	5182.7	5277.3	5459.8	5652.4	6044.3	6385.5	6534.2	6932.8	7307.9
15°	4973.3	4949.6	5051.0	5091.5	5307.7	5537.5	5814.5	6230.1	6392.3	6858.5	7260.6
17.5°	4882.0	4902.3	4939.5	5027.3	5165.8	5361.8	5665.9	6125.4	6196.3	6767.3	7250.4
20°	4898.9	4922.6	4926.0	4963.1	5057.7	5209.8	5520.6	6013.9	6061.2	6750.4	7277.4
22.5°	5034.1	5000.3	5013.8	4990.2	5017.2	5135.4	5409.1	5865.2	6047.6	6608.5	7220.0
25°	5236.8	5189.5	5182.7	5101.6	5051.0	5084.8	5388.8	5828.0	5946.3	6564.6	7216.6
27.5°	5594.9	5524.0	5524.0	5402.3	5196.2	5142.2	5331.4	5767.2	5872.0	6524.0	7138.9
30°	5939.5	5939.5	5942.9	5770.6	5540.9	5274.0	5355.0	5743.6	5811.1	6402.4	7034.2
32.5°	6358.5	6348.3	6331.4	6247.0	5892.2	5493.6	5469.9	5713.2	5747.0	6361.9	7003.8
35°	6767.3	6740.3	6872.0	6797.7	6436.2	5922.6	5588.2	5726.7	5801.0	6301.0	6909.2
37.5°	7074.7	7091.6	7365.3	7412.6	7101.8	6409.2	5922.6	5861.8	5932.8	6388.9	6909.2
40°	7473.4	7541.0	7797.7	7956.5	7767.3	7051.1	6453.1	6088.2	6138.9	6584.8	7057.8
42.5°	7997.1	8054.5	8382.2	8588.3	8534.3	7868.7	6976.8	6561.2	6520.6	6912.6	7280.8
45°	8689.7	8699.8	9030.9	9314.7	9426.2	8723.5	7807.9	7159.2	7125.4	7476.8	7689.6
47.5°	9514.1	9503.9	9710.0	10014.1	10314.8	9743.8	8764.0	8068.0	7946.4	8284.3	8368.7
50°	10311.4	10267.5	10314.8	10703.3	11281.1	11020.9	9926.2	9179.6	9058.0	9243.8	9389.1
52.5°	10750.6	10804.7	10676.3	11189.8	12308.1	12531.1	11466.9	10507.4	10402.6	10493.8	10747.2
55°	10443.2	10554.7	10470.2	10956.7	12757.5	14372.4	13460.2	12044.6	11909.5	11875.7	12291.2
57.5°	9135.7	9338.4	9355.3	10125.6	12602.1	15798.2	16264.4	13858.9	13656.2	13311.6	13740.7
60°	7013.9	7216.6	7372.0	8284.3	11270.9	16649.6	19514.6	16440.1	15771.2	14879.2	15136.0
62.5°	4915.8	5054.3	5209.8	5770.6	8689.7	16149.6	22325.6	20075.5	18842.3	16531.4	16852.3
65°	3581.3	3689.4	3848.2	4179.3	5338.1	13362.3	23629.7	24393.3	23224.3	18632.8	18592.3
67.5°	2696.1	2763.7	2973.1	3503.6	3699.5	8253.9	22278.3	28954.4	28008.4	20967.4	19991.0
70°	2040.7	2098.1	2294.1	3020.4	3456.3	4425.9	17575.3	29971.3	30241.6	23585.8	20930.3
72.5°	1405.5	1469.7	1689.3	2517.0	3290.7	3510.3	11031.0	27227.9	28251.6	24663.6	19923.4
75°	861.5	905.5	1033.8	1908.9	3267.1	3432.6	6071.3	22312.1	23396.6	22788.5	17430.1
77.5°	608.1	604.8	628.4	1118.3	2831.2	3452.9	3743.5	16348.9	17403.0	16794.9	11828.4
80°	442.6	446.0	469.6	669.0	1922.4	3510.3	2949.5	10950.0	11264.2	8757.3	4665.8
82.5°	266.9	280.4	337.9	452.7	1155.5	3169.1	2726.5	6084.8	5692.9	2811.0	1283.9
85°	141.9	141.9	199.3	287.2	614.9	2365.0	2625.2	2895.4	2425.8	871.7	476.4
87.5°	33.8	33.8	57.4	114.9	246.6	1131.8	1790.6	1152.1	922.4	293.9	196.0
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°	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6	7064.6
2.5°	7142.3	7101.8	7152.4	7051.1	6970.0	6973.4	6848.4	6841.6	6824.7	6736.9	6767.3
5°	7223.4	7189.6	7132.2	7020.7	6841.6	6662.5	6554.4	6415.9	6358.5	6328.1	6341.6
7.5°	7301.1	7240.3	7074.7	6919.3	6642.3	6304.4	6108.5	5922.6	5686.1	5659.1	5611.8
10°	7321.4	7193.0	6980.1	6649.0	6280.8	5905.7	5459.8	5115.2	4932.7	4790.8	4736.8
12.5°	7291.0	7236.9	6828.1	6402.4	5844.9	5257.1	4736.8	4250.2	3912.4	3736.7	3689.4
15°	7287.6	7193.0	6659.2	6027.4	5314.5	4547.6	3807.7	3223.2	2868.4	2723.1	2723.1
17.5°	7291.0	7064.6	6459.8	5649.0	4689.5	3652.2	2838.0	2358.2	2162.3	2142.0	2158.9
20°	7223.4	6970.0	6250.4	5203.0	3905.6	2743.4	2060.9	1865.0	1865.0	1892.0	1902.1
22.5°	7162.6	6828.1	5919.3	4652.3	3108.3	1986.6	1675.8	1618.3	1682.5	1729.8	1750.1
25°	7078.1	6709.8	5581.4	4081.3	2365.0	1601.4	1456.2	1469.7	1530.5	1615.0	1608.2
27.5°	6956.5	6503.8	5179.4	3419.1	1760.2	1381.8	1344.7	1351.4	1415.6	1452.8	1446.0
30°	6818.0	6294.3	4807.7	2760.3	1395.4	1267.0	1263.6	1280.5	1290.6	1310.9	1307.5
32.5°	6642.3	6017.2	4412.4	2145.4	1256.8	1202.8	1189.3	1179.1	1189.3	1185.9	1175.7
35°	6517.3	5868.6	4010.4	1635.2	1179.1	1145.3	1135.2	1118.3	1104.8	1084.5	1081.1
37.5°	6483.5	5719.9	3588.0	1334.5	1118.3	1101.4	1067.6	1037.2	1020.3	1010.2	1003.4
40°	6463.2	5621.9	3175.9	1172.4	1067.6	1050.7	1010.2	969.7	952.8	942.6	946.0
42.5°	6534.2	5567.9	2756.9	1091.3	1023.7	993.3	949.4	902.1	898.7	891.9	902.1
45°	6784.2	5635.5	2368.4	1033.8	979.8	929.1	871.7	848.0	844.6	837.9	844.6
47.5°	7351.8	5804.4	2037.3	996.7	932.5	888.6	827.8	794.0	790.6	787.2	787.2
50°	8135.6	6324.7	1760.2	952.8	902.1	841.3	783.8	746.7	739.9	726.4	726.4
52.5°	9365.4	7199.7	1594.7	929.1	848.0	797.3	736.5	696.0	679.1	665.6	665.6
55°	10750.6	8284.3	1564.3	888.6	790.6	743.3	689.2	648.7	631.8	614.9	608.1
57.5°	12328.4	9720.2	1780.5	861.5	750.0	689.2	628.4	591.3	577.7	560.8	554.1
60°	13798.1	11152.7	2452.8	821.0	712.9	638.6	577.7	540.6	523.7	506.8	506.8
62.5°	15497.5	12926.4	3591.4	821.0	679.1	584.5	523.7	496.7	486.5	469.6	466.2
65°	17507.8	14761.0	4422.6	871.7	669.0	537.2	473.0	446.0	435.8	425.7	422.3
67.5°	19038.3	15815.1	3804.3	1006.8	712.9	496.7	422.3	405.4	398.7	388.5	381.8
70°	19200.4	15173.2	2294.1	1087.9	756.8	456.1	378.4	361.5	361.5	351.4	344.6
72.5°	17744.3	13463.6	1544.0	969.7	685.9	408.8	334.5	321.0	314.2	307.5	304.1
75°	14848.8	11419.6	1219.7	773.7	527.1	337.9	290.6	277.0	266.9	263.5	256.8
77.5°	9973.5	7422.7	902.1	604.8	388.5	273.7	243.3	229.7	219.6	216.2	206.1
80°	3831.3	2827.9	581.1	439.2	273.7	216.2	192.6	179.1	172.3	162.2	155.4
82.5°	1128.4	915.6	324.3	270.3	175.7	148.7	138.5	128.4	118.3	108.1	104.7
85°	466.2	418.9	199.3	141.9	108.1	87.8	81.1	71.0	60.8	54.1	47.3
87.5°	216.2	179.1	91.2	54.1	37.2	20.3	10.1	3.4	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)