

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: P480199

Luminaire Tested: **IFLD-S-SA6A-760-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480199  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-760-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (96) 5700K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

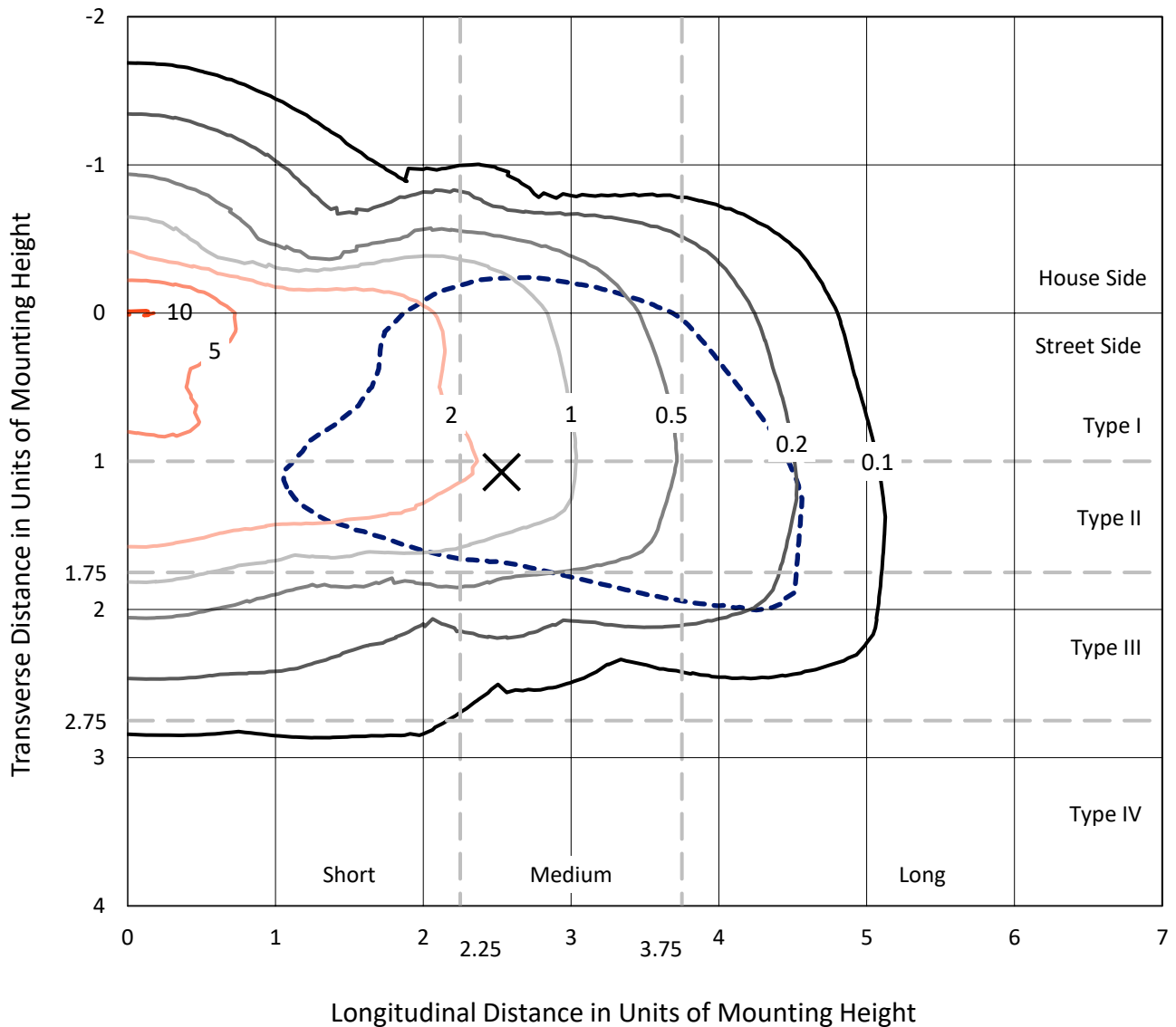
Lumens per Lamp: N/A  
Luminaire Lumens: 27526.8 lumens  
Efficiency: N/A  
Efficacy: 145.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

Input Watts (W): 189.6  
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

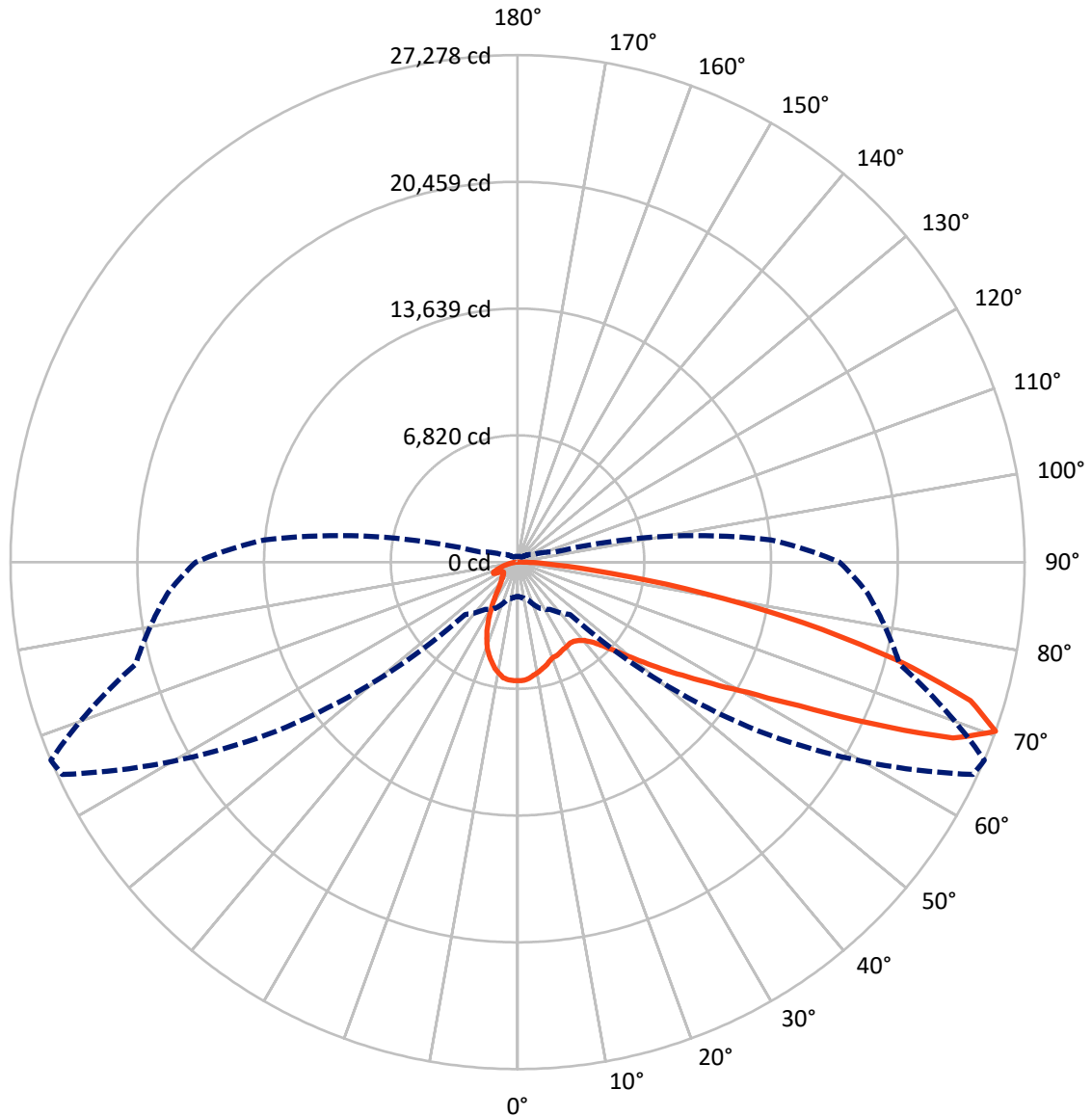
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 fc  
 Type III - Medium - N/A

REPORT NUMBER: P480199  
CATALOG NUMBER: IFLD-S-SA6A-760-U-SL2

### Luminous Intensity Polar Plot



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

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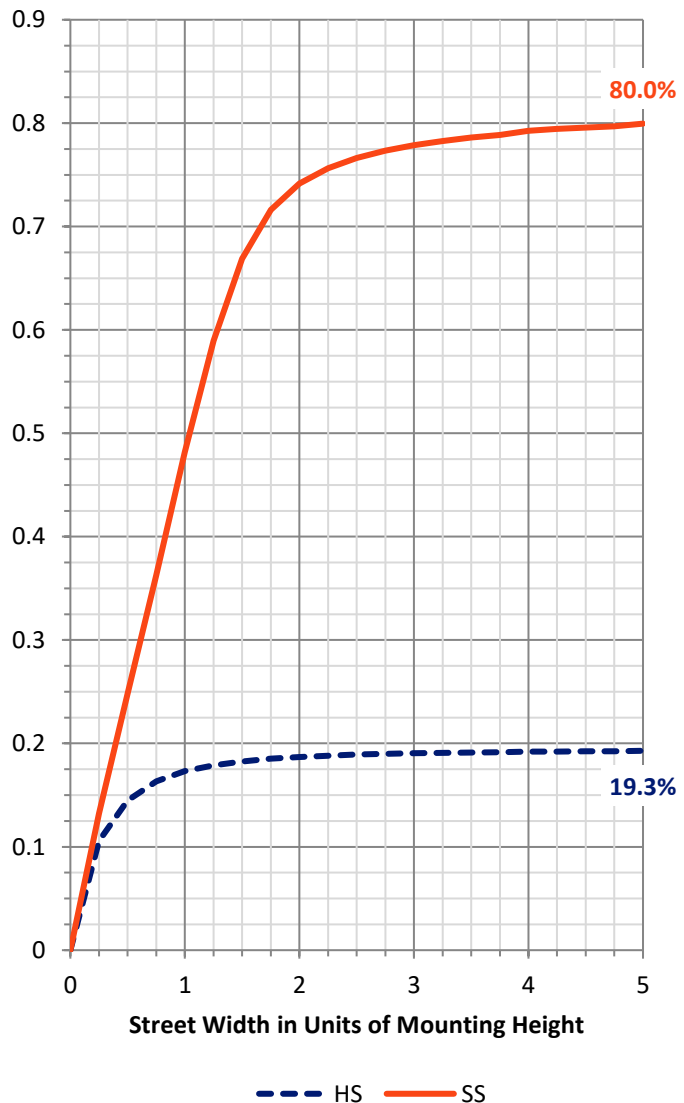
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	5361.1	0.0	5361.1
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	22165.7	0.0	22165.7
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	27526.8	0.0	27526.8
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	556.0	2.0
10°-20°	1331.6	4.8
20°-30°	1798.2	6.5
30°-40°	2406.2	8.7
40°-50°	3538.3	12.9
50°-60°	5515.3	20.0
60°-70°	6793.9	24.7
70°-80°	4800.5	17.4
80°-90°	786.8	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°	27526.8	100.0
0°-180°	27526.8	100.0

**Coefficient of Utilization**



REPORT NUMBER: P480199

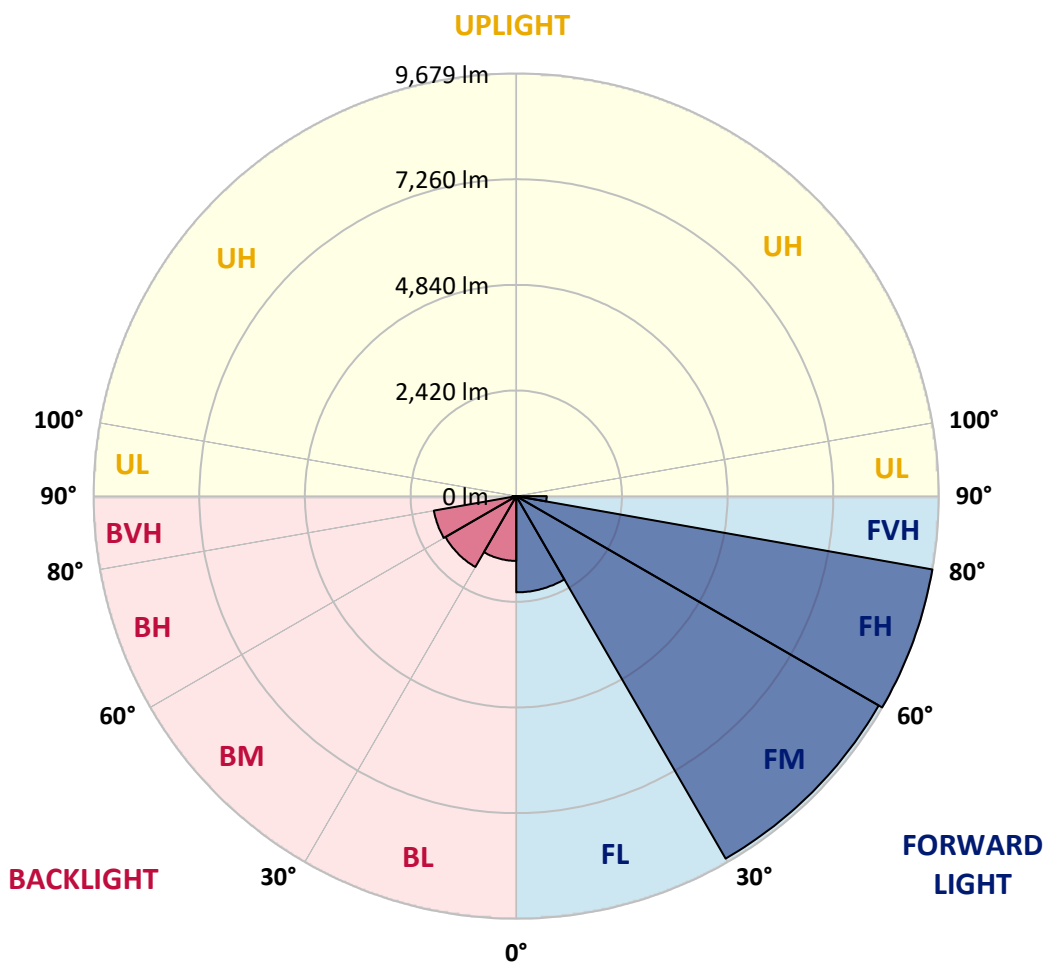
CATALOG NUMBER: IFLD-S-SA6A-760-U-SL2

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

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2203.3	8.0			
FM	(30°-60°)	9587.0	34.8			
FH	(60°-80°)	9679.3	35.2			G4/12000
FVH	(80°-90°)	696.1	2.5			G4/750
BL	(0°-30°)	1482.5	5.4	B3/2500		
BM	(30°-60°)	1872.8	6.8	B2/2500		
BH	(60°-80°)	1915.1	7.0	B3/2500		G3/2500
BVH	(80°-90°)	90.8	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-G4**

Type III Medium





REPORT NUMBER: P480199

CATALOG NUMBER: IFLD-S-SA6A-760-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4
2.5°	5933.5	6000.6	6024.9	6061.5	6156.0	6226.1	6268.7	6317.5	6375.4	6424.2	6454.6
5°	5519.1	5555.6	5613.5	5653.1	5772.0	5960.9	6088.9	6296.2	6290.1	6366.3	6482.1
7.5°	5116.8	5153.4	5180.8	5260.0	5430.7	5601.3	5836.0	6171.2	6146.8	6323.6	6503.4
10°	4866.9	4839.5	4848.6	4982.7	5116.8	5308.8	5604.4	5945.7	6034.1	6308.4	6564.4
12.5°	4632.2	4601.8	4674.9	4760.2	4924.8	5098.5	5452.0	5759.8	5893.9	6253.5	6591.8
15°	4485.9	4464.6	4556.0	4592.6	4787.7	4994.9	5244.8	5619.6	5765.9	6186.5	6549.1
17.5°	4403.7	4422.0	4455.5	4534.7	4659.7	4836.4	5110.7	5525.2	5589.2	6104.2	6540.0
20°	4418.9	4440.2	4443.3	4476.8	4562.1	4699.3	4979.6	5424.6	5467.2	6088.9	6564.4
22.5°	4540.8	4510.3	4522.5	4501.2	4525.6	4632.2	4879.1	5290.5	5455.1	5960.9	6512.5
25°	4723.7	4681.0	4674.9	4601.8	4556.0	4586.5	4860.8	5257.0	5363.6	5921.3	6509.5
27.5°	5046.7	4982.7	4982.7	4873.0	4687.1	4638.3	4809.0	5202.1	5296.6	5884.8	6439.4
30°	5357.5	5357.5	5360.6	5205.2	4997.9	4757.2	4830.3	5180.8	5241.7	5775.0	6344.9
32.5°	5735.4	5726.3	5711.1	5634.9	5314.9	4955.3	4933.9	5153.4	5183.8	5738.5	6317.5
35°	6104.2	6079.8	6198.7	6131.6	5805.5	5342.3	5040.6	5165.5	5232.6	5683.6	6232.2
37.5°	6381.5	6396.7	6643.6	6686.3	6405.9	5781.1	5342.3	5287.4	5351.4	5762.9	6232.2
40°	6741.1	6802.1	7033.7	7176.9	7006.2	6360.2	5820.8	5491.6	5537.3	5939.6	6366.3
42.5°	7213.5	7265.3	7560.9	7746.8	7698.0	7097.7	6293.1	5918.3	5881.7	6235.2	6567.4
45°	7838.2	7847.4	8146.0	8402.0	8502.6	7868.7	7042.8	6457.7	6427.2	6744.2	6936.2
47.5°	8581.8	8572.7	8758.6	9032.8	9304.1	8789.0	7905.3	7277.5	7167.8	7472.5	7548.7
50°	9301.0	9261.4	9304.1	9654.5	10175.7	9941.0	8953.6	8280.1	8170.4	8338.0	8469.1
52.5°	9697.2	9746.0	9630.2	10093.4	11102.1	11303.2	10343.3	9477.8	9383.3	9465.6	9694.2
55°	9419.9	9520.5	9444.3	9883.1	11507.4	12964.1	12141.3	10864.4	10742.5	10712.0	11086.9
57.5°	8240.5	8423.3	8438.6	9133.4	11367.2	14250.2	14670.8	12500.9	12318.1	12007.2	12394.3
60°	6326.7	6509.5	6649.7	7472.5	10166.5	15018.2	17602.5	14829.2	14225.8	13421.3	13652.9
62.5°	4434.1	4559.1	4699.3	5205.2	7838.2	14567.1	20138.0	18108.4	16996.0	14911.5	15201.0
65°	3230.4	3327.9	3471.1	3769.8	4815.1	12052.9	21314.4	22003.1	20948.6	16807.1	16770.5
67.5°	2431.9	2492.9	2681.8	3160.3	3337.0	7445.1	20095.3	26117.2	25263.9	18912.9	18032.2
70°	1840.7	1892.5	2069.3	2724.5	3117.6	3992.3	15853.2	27034.5	27278.3	21274.7	18879.4
72.5°	1267.8	1325.7	1523.8	2270.4	2968.3	3166.4	9950.2	24560.0	25483.4	22246.9	17971.2
75°	777.1	816.7	932.5	1721.8	2947.0	3096.3	5476.4	20125.8	21104.1	20555.5	15722.2
77.5°	548.6	545.5	566.8	1008.7	2553.8	3114.6	3376.7	14746.9	15697.8	15149.2	10669.4
80°	399.2	402.3	423.6	603.4	1734.0	3166.4	2660.5	9877.0	10160.4	7899.2	4208.6
82.5°	240.8	252.9	304.8	408.4	1042.3	2858.6	2459.3	5488.6	5135.1	2535.5	1158.1
85°	128.0	128.0	179.8	259.0	554.6	2133.3	2367.9	2611.7	2188.1	786.3	429.7
87.5°	30.5	30.5	51.8	103.6	222.5	1020.9	1615.2	1039.2	832.0	265.1	176.8
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°	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4	6372.4
2.5°	6442.5	6405.9	6451.6	6360.2	6287.0	6290.1	6177.3	6171.2	6156.0	6076.8	6104.2
5°	6515.6	6485.1	6433.3	6332.7	6171.2	6009.7	5912.2	5787.2	5735.4	5708.0	5720.2
7.5°	6585.7	6530.8	6381.5	6241.3	5991.4	5686.7	5509.9	5342.3	5129.0	5104.6	5061.9
10°	6604.0	6488.2	6296.2	5997.5	5665.3	5327.1	4924.8	4613.9	4449.4	4321.4	4272.6
12.5°	6576.5	6527.8	6159.0	5775.0	5272.2	4741.9	4272.6	3833.8	3529.0	3370.6	3327.9
15°	6573.5	6488.2	6006.7	5436.8	4793.7	4102.0	3434.6	2907.3	2587.3	2456.3	2456.3
17.5°	6576.5	6372.4	5826.9	5095.5	4230.0	3294.4	2559.9	2127.2	1950.4	1932.1	1947.4
20°	6515.6	6287.0	5637.9	4693.2	3522.9	2474.6	1859.0	1682.2	1682.2	1706.6	1715.8
22.5°	6460.7	6159.0	5339.3	4196.4	2803.7	1791.9	1511.6	1459.8	1517.7	1560.3	1578.6
25°	6384.6	6052.4	5034.5	3681.4	2133.3	1444.5	1313.5	1325.7	1380.5	1456.7	1450.6
27.5°	6274.8	5866.5	4671.8	3084.1	1587.8	1246.4	1212.9	1219.0	1276.9	1310.4	1304.3
30°	6149.9	5677.5	4336.6	2489.8	1258.6	1142.8	1139.8	1155.0	1164.2	1182.4	1179.4
32.5°	5991.4	5427.6	3980.1	1935.2	1133.7	1084.9	1072.7	1063.6	1072.7	1069.7	1060.5
35°	5878.7	5293.5	3617.4	1475.0	1063.6	1033.1	1024.0	1008.7	996.5	978.3	975.2
37.5°	5848.2	5159.5	3236.5	1203.8	1008.7	993.5	963.0	935.6	920.4	911.2	905.1
40°	5829.9	5071.1	2864.7	1057.5	963.0	947.8	911.2	874.6	859.4	850.3	853.3
42.5°	5893.9	5022.3	2486.8	984.3	923.4	896.0	856.4	813.7	810.6	804.5	813.7
45°	6119.4	5083.3	2136.3	932.5	883.8	838.1	786.3	764.9	761.9	755.8	761.9
47.5°	6631.4	5235.6	1837.7	899.0	841.1	801.5	746.6	716.2	713.1	710.1	710.1
50°	7338.4	5705.0	1587.8	859.4	813.7	758.8	707.0	673.5	667.4	655.2	655.2
52.5°	8447.7	6494.3	1438.4	838.1	764.9	719.2	664.4	627.8	612.6	600.4	600.4
55°	9697.2	7472.5	1411.0	801.5	713.1	670.5	621.7	585.1	569.9	554.6	548.6
57.5°	11120.4	8767.7	1606.0	777.1	676.5	621.7	566.8	533.3	521.1	505.9	499.8
60°	12446.1	10059.9	2212.5	740.5	643.0	576.0	521.1	487.6	472.4	457.1	457.1
62.5°	13979.0	11659.8	3239.5	740.5	612.6	527.2	472.4	448.0	438.8	423.6	420.6
65°	15792.2	13314.6	3989.2	786.3	603.4	484.6	426.7	402.3	393.1	384.0	380.9
67.5°	17172.8	14265.4	3431.5	908.2	643.0	448.0	380.9	365.7	359.6	350.5	344.4
70°	17319.1	13686.4	2069.3	981.3	682.6	411.4	341.3	326.1	326.1	316.9	310.8
72.5°	16005.6	12144.4	1392.7	874.6	618.6	368.7	301.7	289.5	283.4	277.3	274.3
75°	13393.8	10300.6	1100.2	697.9	475.4	304.8	262.1	249.9	240.8	237.7	231.6
77.5°	8996.3	6695.4	813.7	545.5	350.5	246.8	219.4	207.2	198.1	195.0	185.9
80°	3455.9	2550.8	524.2	396.2	246.8	195.0	173.7	161.5	155.4	146.3	140.2
82.5°	1017.9	825.9	292.6	243.8	158.5	134.1	124.9	115.8	106.7	97.5	94.5
85°	420.6	377.9	179.8	128.0	97.5	79.2	73.1	64.0	54.9	48.8	42.7
87.5°	195.0	161.5	82.3	48.8	33.5	18.3	9.1	3.0	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)