

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: P480043

Luminaire Tested: **IFLD-S-SA6A-730-U-SL2**

Issue Date: 02/26/2021



**Test Information**

Test Method: LM-79-08  
Report Number: P480043  
Test Lab: INNOVATION CENTER(G2)  
Issue Date: 02/26/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: IFLD-S-SA6A-730-U-SL2  
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens  
Light Source: (96) 3000K CCT, 70 CRI LEDS  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

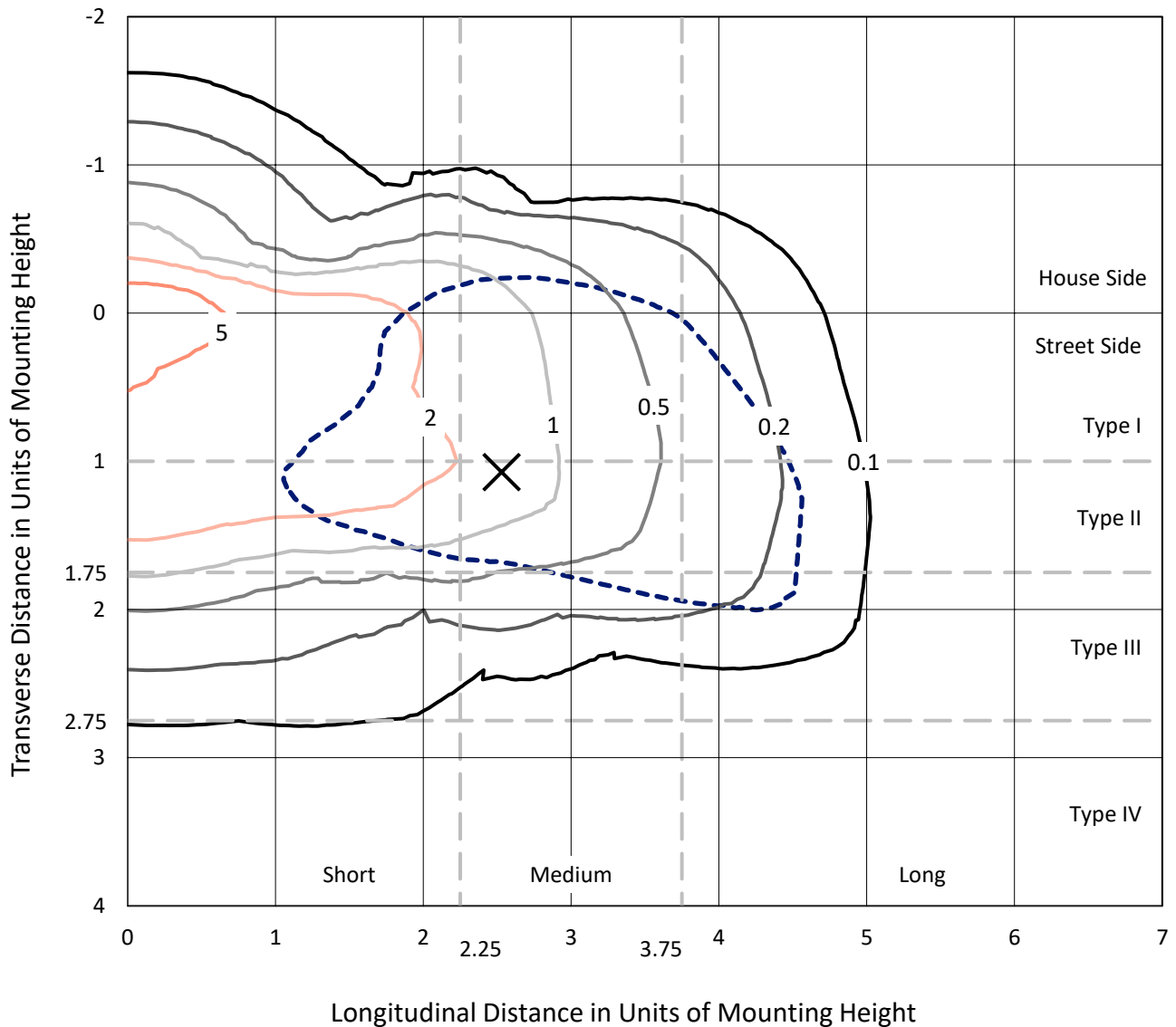
Lumens per Lamp: N/A  
Luminaire Lumens: 24504.7 lumens  
Efficiency: N/A  
Efficacy: 129.2 lumens/watt  
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')  
IES Classification: Type III - Medium  
BUG Rating: B3 - U0 - G4

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

REPORT NUMBER: P480043  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

### Iso-Footcandle Lines of Horizontal Illumination

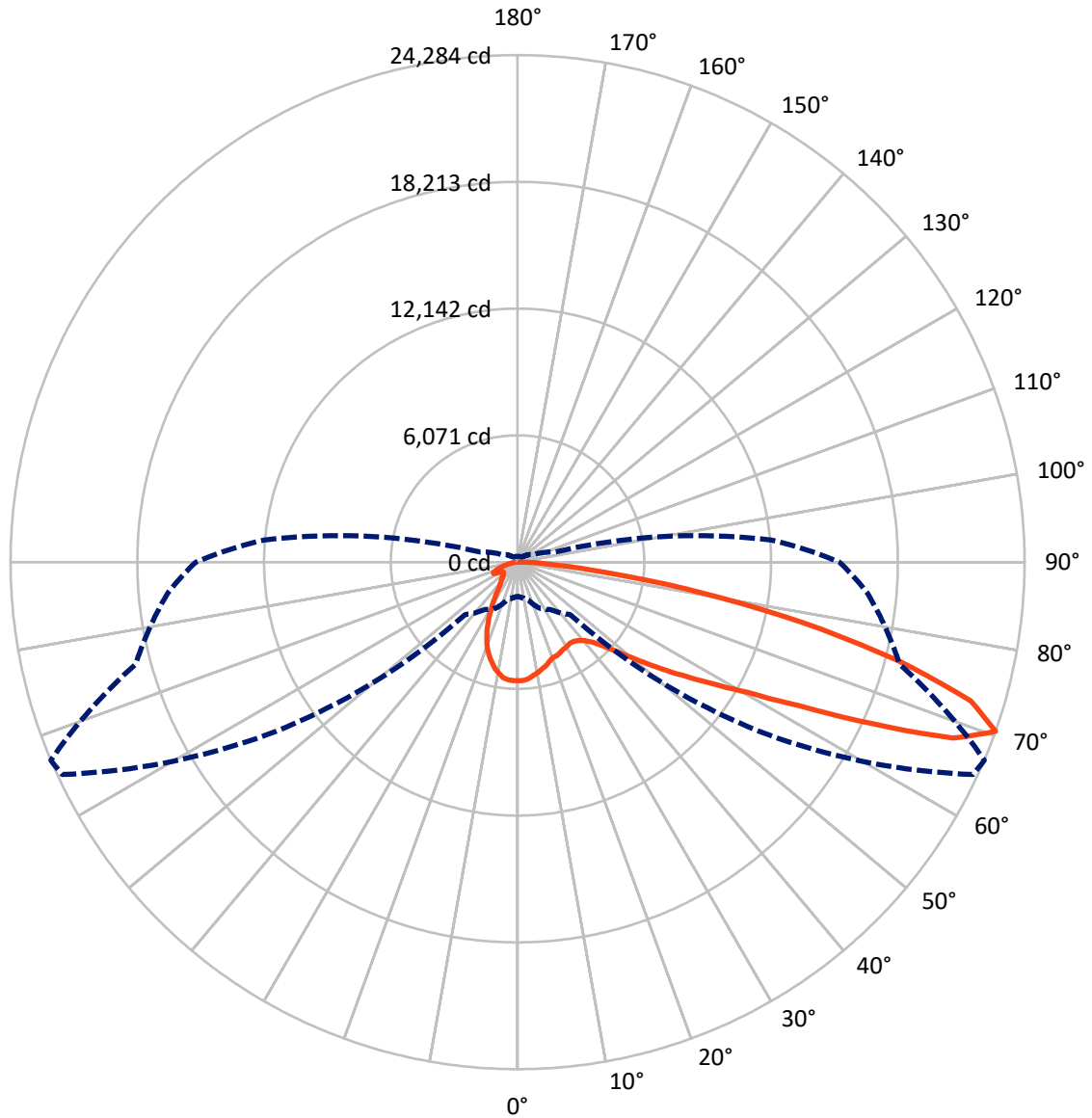
× Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 9.2 fc  
 Type III - Medium - N/A

REPORT NUMBER: P480043  
CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

### Luminous Intensity Polar Plot



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

REPORT NUMBER: P480043  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

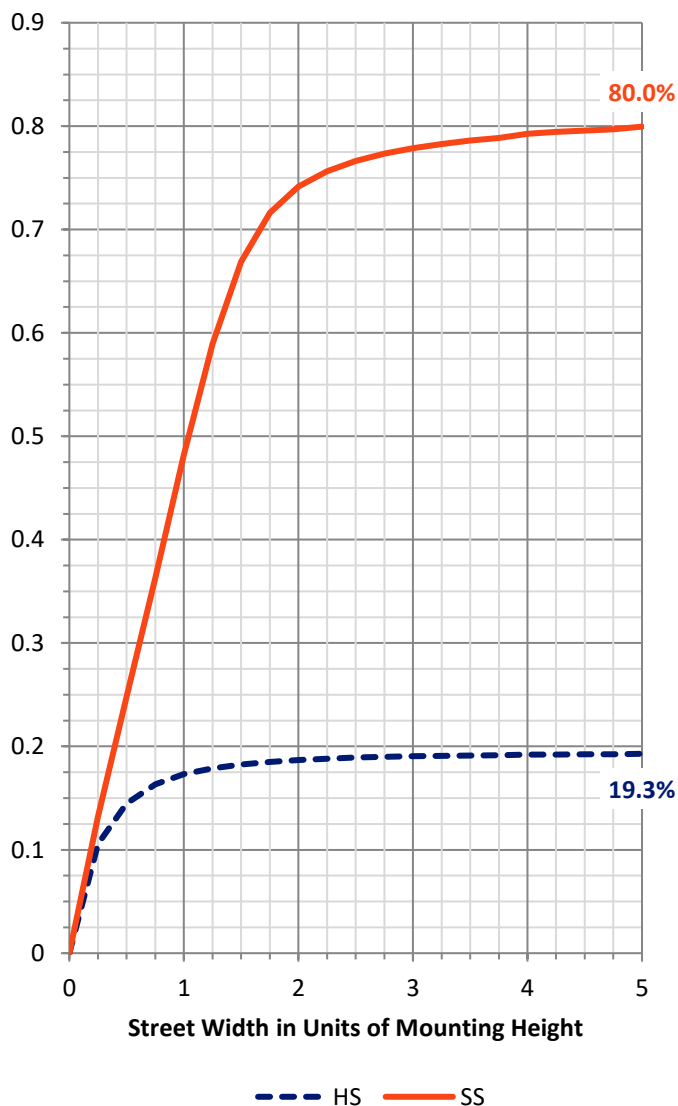
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	4772.5	0.0	4772.5
	% Fixture	19.5	0.0	19.5
<b>Street Side</b>	Lumens	19732.2	0.0	19732.2
	% Fixture	80.5	0.0	80.5
<b>Total</b>	Lumens	24504.7	0.0	24504.7
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	495.0	2.0
10°-20°	1185.4	4.8
20°-30°	1600.8	6.5
30°-40°	2142.0	8.7
40°-50°	3149.8	12.9
50°-60°	4909.8	20.0
60°-70°	6048.0	24.7
70°-80°	4273.5	17.4
80°-90°	700.4	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°	24504.7	100.0
0°-180°	24504.7	100.0

**Coefficient of Utilization**



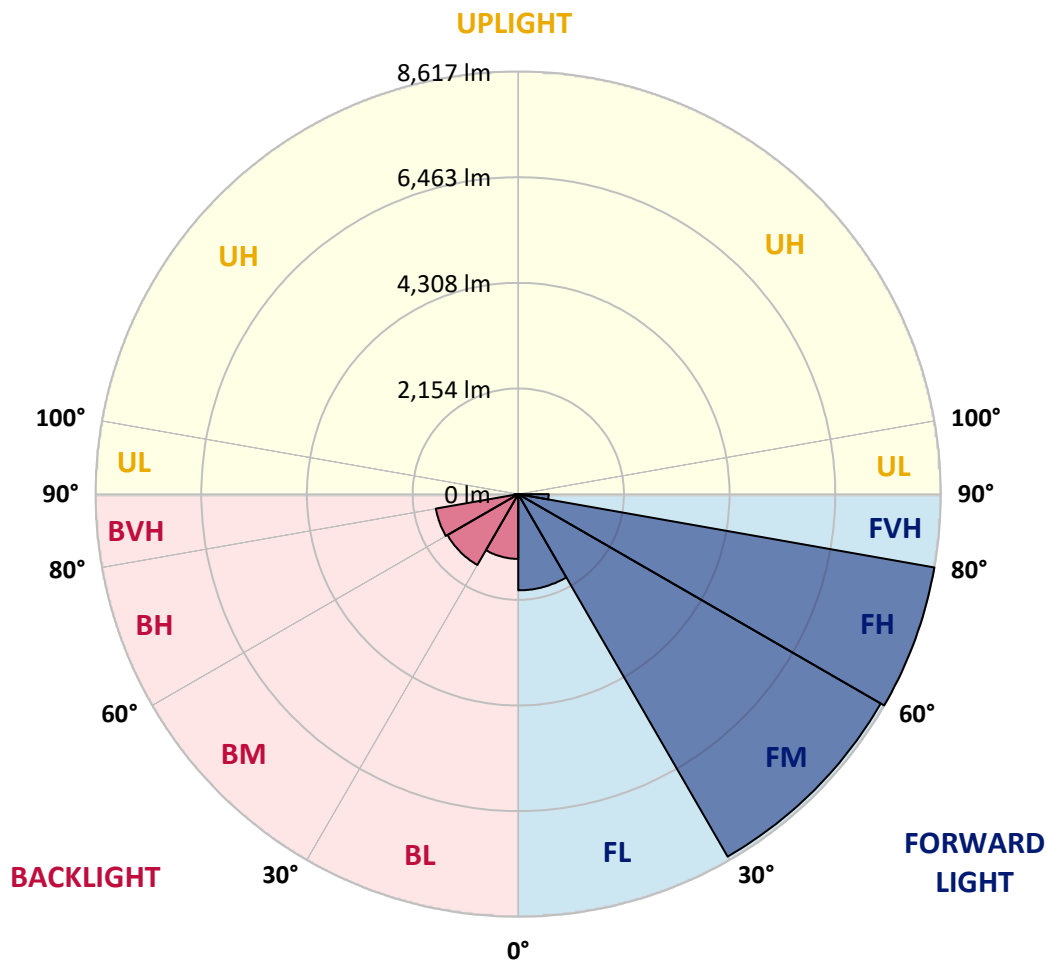
REPORT NUMBER: P480043  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

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

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1961.4	8.0			
FM (30°-60°)	8534.5	34.8			
FH (60°-80°)	8616.7	35.2			G4/12000
FVH (80°-90°)	619.6	2.5			G4/750
BL (0°-30°)	1319.8	5.4	B3/2500		
BM (30°-60°)	1667.1	6.8	B2/2500		
BH (60°-80°)	1704.8	7.0	B3/2500		G3/2500
BVH (80°-90°)	80.8	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: P480043

CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8
2.5°	5282.1	5341.8	5363.5	5396.0	5480.1	5542.5	5580.5	5623.9	5675.5	5718.9	5746.0
5°	4913.1	4945.7	4997.2	5032.5	5138.3	5306.5	5420.5	5604.9	5599.5	5667.3	5770.4
7.5°	4555.0	4587.6	4612.0	4682.5	4834.5	4986.4	5195.3	5493.7	5472.0	5629.4	5789.4
10°	4332.6	4308.2	4316.3	4435.7	4555.0	4725.9	4989.1	5293.0	5371.6	5615.8	5843.7
12.5°	4123.7	4096.5	4161.7	4237.6	4384.1	4538.8	4853.5	5127.5	5246.8	5567.0	5868.1
15°	3993.5	3974.5	4055.9	4088.4	4262.0	4446.5	4669.0	5002.7	5132.9	5507.3	5830.1
17.5°	3920.2	3936.5	3966.3	4036.9	4148.1	4305.4	4549.6	4918.6	4975.5	5434.0	5822.0
20°	3933.8	3952.8	3955.5	3985.3	4061.3	4183.4	4433.0	4829.0	4867.0	5420.5	5843.7
22.5°	4042.3	4015.2	4026.0	4007.0	4028.7	4123.7	4343.4	4709.7	4856.2	5306.5	5797.6
25°	4205.1	4167.1	4161.7	4096.5	4055.9	4083.0	4327.1	4679.8	4774.8	5271.3	5794.9
27.5°	4492.6	4435.7	4435.7	4338.0	4172.5	4129.1	4281.0	4631.0	4715.1	5238.7	5732.5
30°	4769.4	4769.4	4772.1	4633.7	4449.2	4234.9	4300.0	4612.0	4666.3	5141.0	5648.4
32.5°	5105.8	5097.6	5084.1	5016.2	4731.4	4411.2	4392.3	4587.6	4614.7	5108.5	5623.9
35°	5434.0	5412.3	5518.1	5458.4	5168.2	4755.8	4487.2	4598.4	4658.1	5059.6	5548.0
37.5°	5680.9	5694.5	5914.2	5952.2	5702.6	5146.5	4755.8	4707.0	4763.9	5130.2	5548.0
40°	6001.0	6055.3	6261.5	6389.0	6237.1	5661.9	5181.7	4888.7	4929.4	5287.5	5667.3
42.5°	6421.5	6467.7	6730.8	6896.3	6852.9	6318.4	5602.2	5268.5	5236.0	5550.7	5846.4
45°	6977.7	6985.8	7251.7	7479.6	7569.1	7004.8	6269.6	5748.7	5721.6	6003.7	6174.7
47.5°	7639.7	7631.5	7797.0	8041.2	8282.6	7824.1	7037.4	6478.5	6380.8	6652.1	6720.0
50°	8279.9	8244.6	8282.6	8594.6	9058.5	8849.6	7970.6	7371.1	7273.4	7422.6	7539.3
52.5°	8632.6	8676.0	8572.9	8985.3	9883.3	10062.3	9207.7	8437.3	8353.2	8426.4	8629.9
55°	8385.7	8475.2	8407.4	8798.1	10244.1	11540.9	10808.4	9671.6	9563.1	9536.0	9869.7
57.5°	7335.8	7498.6	7512.1	8130.7	10119.3	12685.7	13060.1	11128.5	10965.7	10689.0	11033.5
60°	5632.1	5794.9	5919.6	6652.1	9050.4	13369.4	15670.0	13201.2	12664.0	11947.8	12154.0
62.5°	3947.3	4058.6	4183.4	4633.7	6977.7	12967.9	17927.1	16120.3	15130.1	13274.4	13532.2
65°	2875.7	2962.5	3090.0	3355.9	4286.5	10729.7	18974.3	19587.5	18648.8	14961.9	14929.3
67.5°	2164.9	2219.2	2387.4	2813.3	2970.7	6627.7	17889.2	23249.9	22490.3	16836.5	16052.5
70°	1638.6	1684.7	1842.1	2425.4	2775.3	3554.0	14112.7	24066.5	24283.6	18939.1	16806.7
72.5°	1128.6	1180.1	1356.5	2021.1	2642.4	2818.7	8857.8	21863.6	22685.6	19804.5	15998.2
75°	691.8	727.1	830.2	1532.8	2623.4	2756.4	4875.2	17916.3	18787.1	18298.8	13996.1
77.5°	488.3	485.6	504.6	898.0	2273.4	2772.6	3005.9	13127.9	13974.4	13486.0	9498.0
80°	355.4	358.1	377.1	537.2	1543.7	2818.7	2368.4	8792.7	9045.0	7032.0	3746.6
82.5°	214.3	225.2	271.3	363.5	927.8	2544.7	2189.3	4886.0	4571.3	2257.2	1030.9
85°	113.9	113.9	160.1	230.6	493.8	1899.1	2108.0	2325.0	1947.9	699.9	382.5
87.5°	27.1	27.1	46.1	92.2	198.0	908.8	1437.9	925.1	740.6	236.0	157.4
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: P480043  
 CATALOG NUMBER: IFLD-S-SA6A-730-U-SL2

**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8	5672.8
2.5°	5735.2	5702.6	5743.3	5661.9	5596.8	5599.5	5499.1	5493.7	5480.1	5409.6	5434.0
5°	5800.3	5773.1	5727.0	5637.5	5493.7	5349.9	5263.1	5151.9	5105.8	5081.3	5092.2
7.5°	5862.7	5813.8	5680.9	5556.1	5333.6	5062.4	4905.0	4755.8	4565.9	4544.2	4506.2
10°	5879.0	5775.9	5604.9	5339.1	5043.4	4742.2	4384.1	4107.4	3960.9	3847.0	3803.5
12.5°	5854.5	5811.1	5482.9	5141.0	4693.4	4221.3	3803.5	3412.9	3141.6	3000.5	2962.5
15°	5851.8	5775.9	5347.2	4839.9	4267.5	3651.6	3057.5	2588.1	2303.3	2186.6	2186.6
17.5°	5854.5	5672.8	5187.2	4536.0	3765.6	2932.7	2278.9	1893.6	1736.3	1720.0	1733.6
20°	5800.3	5596.8	5018.9	4177.9	3136.2	2202.9	1654.9	1497.5	1497.5	1519.2	1527.4
22.5°	5751.4	5482.9	4753.1	3735.7	2495.9	1595.2	1345.6	1299.5	1351.0	1389.0	1405.3
25°	5683.6	5387.9	4481.8	3277.2	1899.1	1285.9	1169.3	1180.1	1229.0	1296.8	1291.4
27.5°	5586.0	5222.4	4158.9	2745.5	1413.4	1109.6	1079.8	1085.2	1136.7	1166.6	1161.1
30°	5474.7	5054.2	3860.5	2216.5	1120.4	1017.4	1014.6	1028.2	1036.3	1052.6	1049.9
32.5°	5333.6	4831.8	3543.1	1722.7	1009.2	965.8	955.0	946.8	955.0	952.2	944.1
35°	5233.3	4712.4	3220.3	1313.1	946.8	919.7	911.5	898.0	887.1	870.9	868.1
37.5°	5206.1	4593.0	2881.1	1071.6	898.0	884.4	857.3	832.9	819.3	811.2	805.7
40°	5189.9	4514.3	2550.2	941.4	857.3	843.7	811.2	778.6	765.1	756.9	759.6
42.5°	5246.8	4470.9	2213.8	876.3	822.0	797.6	762.3	724.4	721.6	716.2	724.4
45°	5447.6	4525.2	1901.8	830.2	786.8	746.1	699.9	680.9	678.2	672.8	678.2
47.5°	5903.4	4660.8	1635.9	800.3	748.8	713.5	664.7	637.5	634.8	632.1	632.1
50°	6532.8	5078.6	1413.4	765.1	724.4	675.5	629.4	599.6	594.1	583.3	583.3
52.5°	7520.3	5781.3	1280.5	746.1	680.9	640.3	591.4	558.9	545.3	534.5	534.5
55°	8632.6	6652.1	1256.1	713.5	634.8	596.8	553.4	520.9	507.3	493.8	488.3
57.5°	9899.5	7805.1	1429.7	691.8	602.3	553.4	504.6	474.8	463.9	450.3	444.9
60°	11079.7	8955.4	1969.6	659.2	572.4	512.7	463.9	434.1	420.5	406.9	406.9
62.5°	12444.3	10379.7	2883.9	659.2	545.3	469.3	420.5	398.8	390.7	377.1	374.4
65°	14058.5	11852.9	3551.2	699.9	537.2	431.4	379.8	358.1	350.0	341.8	339.1
67.5°	15287.4	12699.3	3054.8	808.5	572.4	398.8	339.1	325.6	320.1	312.0	306.6
70°	15417.7	12183.8	1842.1	873.6	607.7	366.2	303.8	290.3	290.3	282.1	276.7
72.5°	14248.4	10811.1	1239.8	778.6	550.7	328.3	268.6	257.7	252.3	246.9	244.2
75°	11923.4	9169.8	979.4	621.3	423.2	271.3	233.3	222.5	214.3	211.6	206.2
77.5°	8008.6	5960.3	724.4	485.6	312.0	219.7	195.3	184.5	176.3	173.6	165.5
80°	3076.5	2270.7	466.6	352.7	219.7	173.6	154.6	143.8	138.4	130.2	124.8
82.5°	906.1	735.2	260.4	217.0	141.1	119.4	111.2	103.1	95.0	86.8	84.1
85°	374.4	336.4	160.1	113.9	86.8	70.5	65.1	57.0	48.8	43.4	38.0
87.5°	173.6	143.8	73.2	43.4	29.8	16.3	8.1	2.7	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)