

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: P480053

Luminaire Tested: **IFLD-L-SA7A-730-U-SL2**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P480053
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-L-SA7A-730-U-SL2
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ SL2 distribution lens
Light Source: (112) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

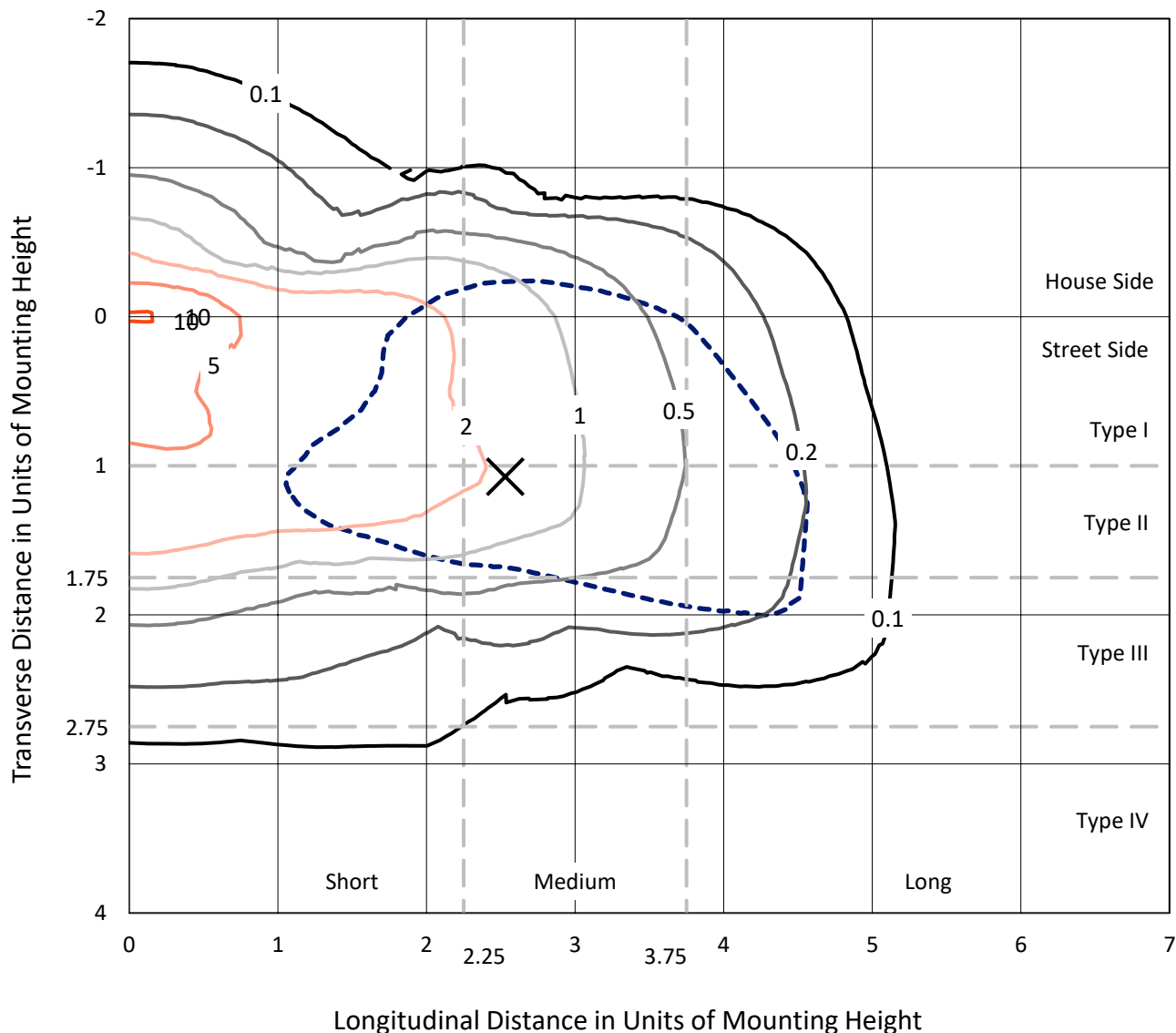
Lumens per Lamp: N/A
Luminaire Lumens: 28418.4 lumens
Efficiency: N/A
Efficacy: 130.6 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

Input Watts (W): 217.6
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: P480053
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

Iso-Footcandle Lines of Horizontal Illumination

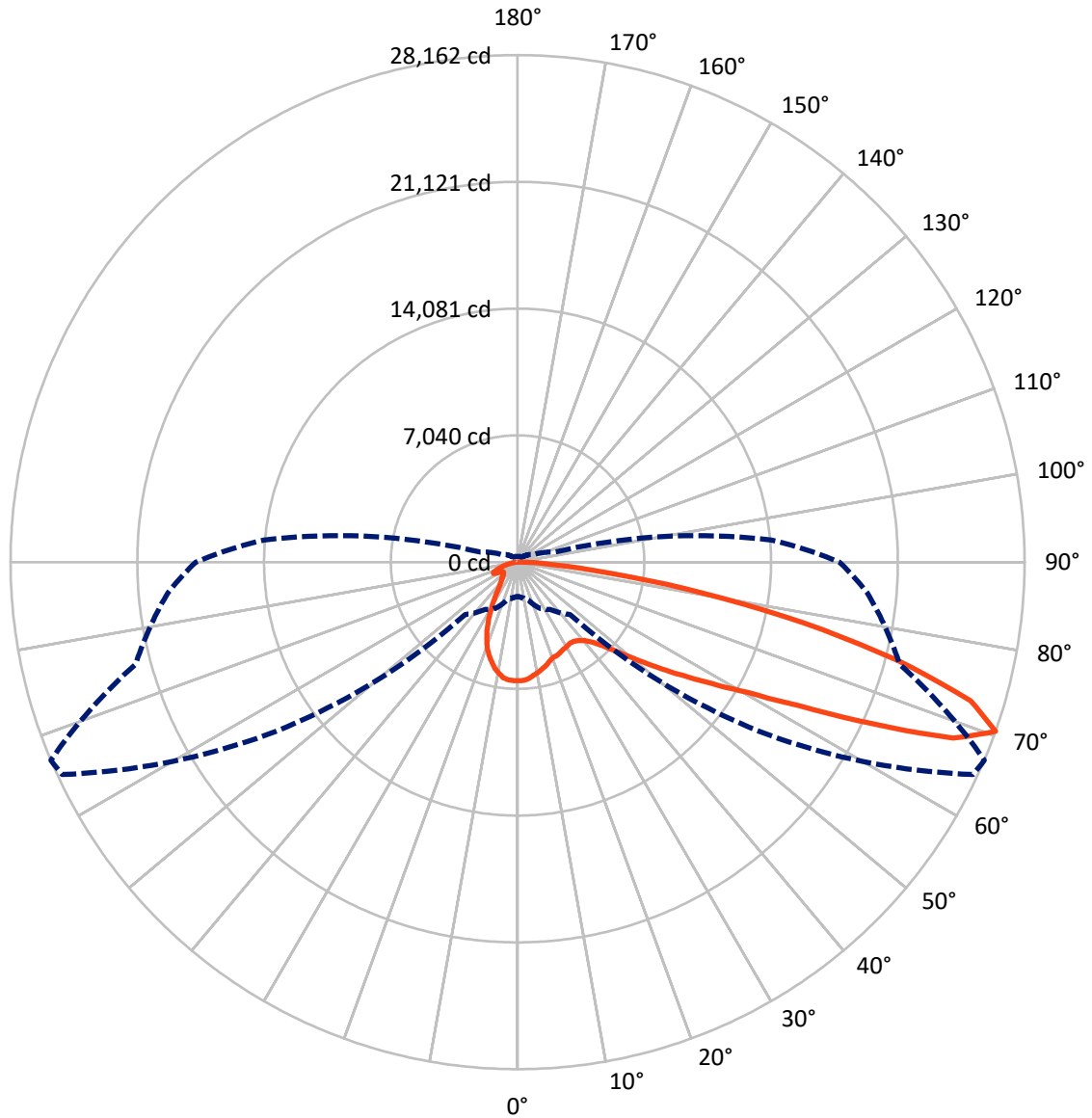
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.6 fc
 Type III - Medium - N/A

REPORT NUMBER: P480053
CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

Luminous Intensity Polar Plot



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

REPORT NUMBER: P480053
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

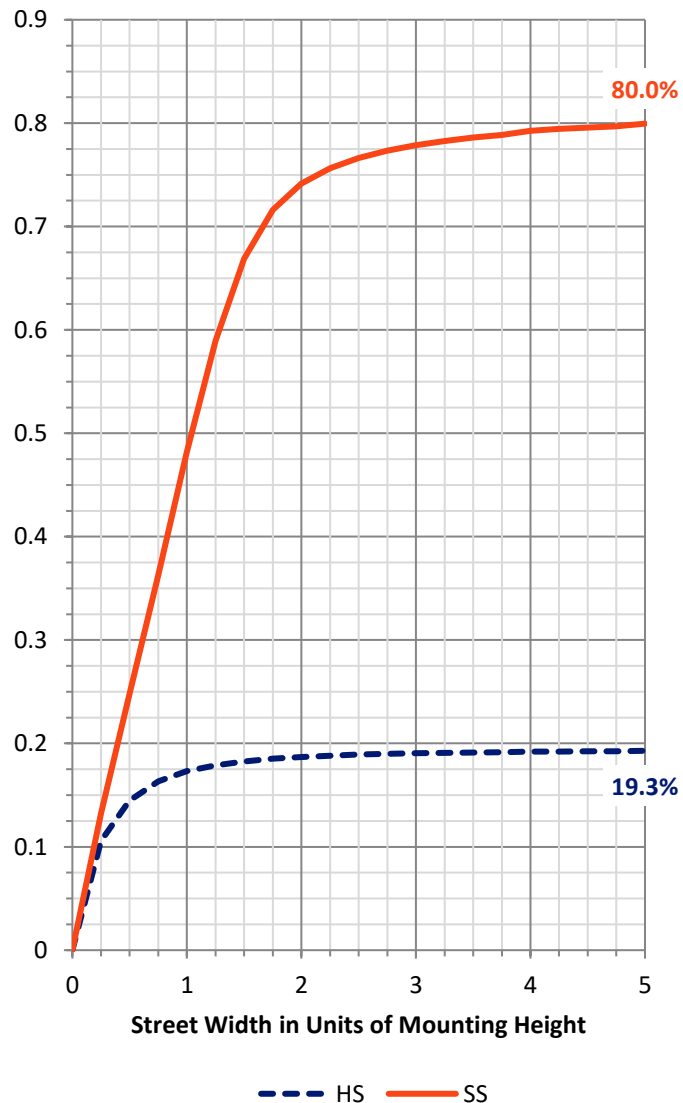
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5534.8	0.0	5534.8
	% Fixture	19.5	0.0	19.5
Street Side	Lumens	22883.6	0.0	22883.6
	% Fixture	80.5	0.0	80.5
Total	Lumens	28418.4	0.0	28418.4
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	574.0	2.0
10°-20°	1374.7	4.8
20°-30°	1856.5	6.5
30°-40°	2484.1	8.7
40°-50°	3652.9	12.9
50°-60°	5693.9	20.0
60°-70°	7014.0	24.7
70°-80°	4956.0	17.4
80°-90°	812.3	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°	28418.4	100.0
0°-180°	28418.4	100.0

Coefficient of Utilization

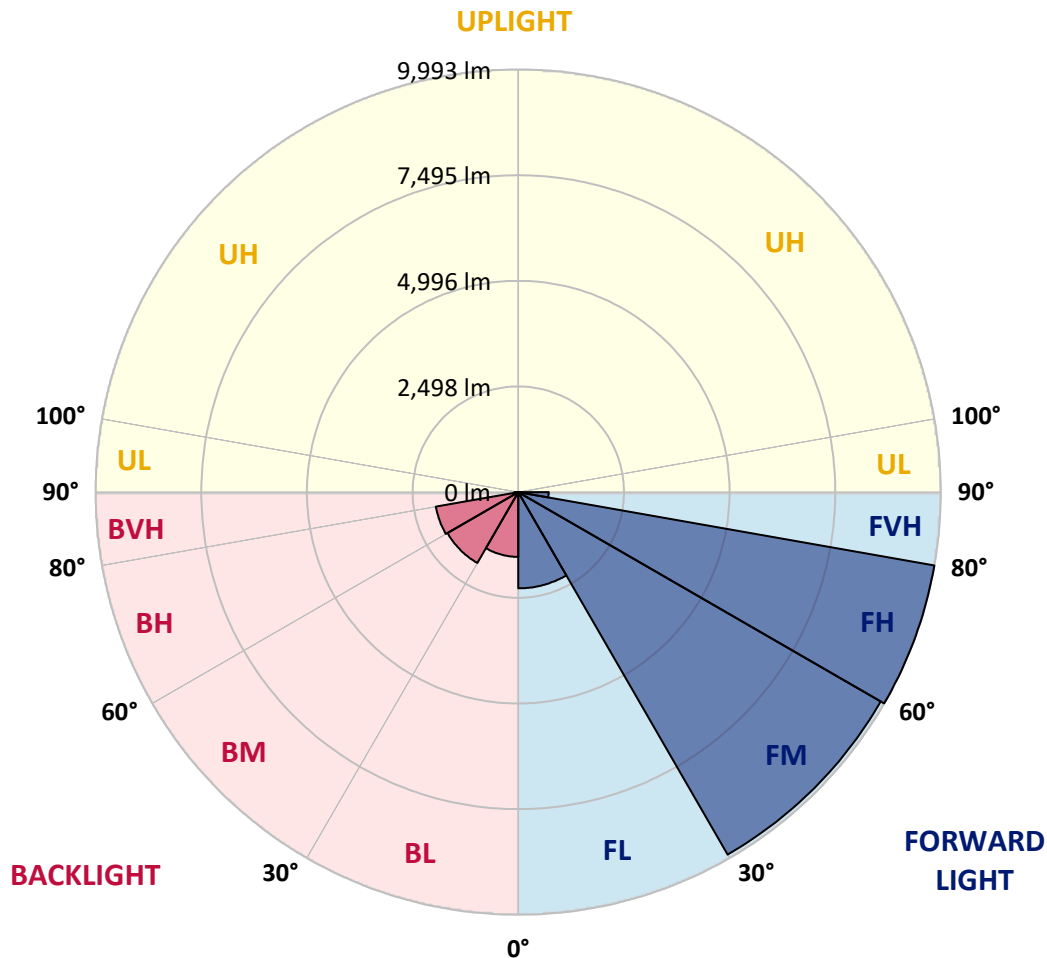


REPORT NUMBER: P480053
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2274.7	8.0			
FM (30°-60°)	9897.5	34.8			
FH (60°-80°)	9992.8	35.2			G4/12000
FVH (80°-90°)	718.6	2.5			G4/750
BL (0°-30°)	1530.5	5.4	B3/2500		
BM (30°-60°)	1933.4	6.8	B2/2500		
BH (60°-80°)	1977.1	7.0	B3/2500		G3/2500
BVH (80°-90°)	93.7	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: P480053

CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	67°	75°	85°
0°	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8
2.5°	6125.7	6194.9	6220.1	6257.9	6355.4	6427.7	6471.8	6522.1	6581.9	6632.3	6663.7
5°	5697.8	5735.6	5795.4	5836.3	5959.0	6154.0	6286.2	6500.1	6493.8	6572.5	6692.0
7.5°	5282.5	5320.3	5348.6	5430.4	5606.6	5782.8	6025.0	6371.1	6345.9	6528.4	6714.1
10°	5024.5	4996.2	5005.7	5144.1	5282.5	5480.7	5785.9	6138.3	6229.5	6512.7	6777.0
12.5°	4782.3	4750.8	4826.3	4914.4	5084.3	5263.6	5628.6	5946.4	6084.8	6456.1	6805.3
15°	4631.3	4609.2	4703.6	4741.4	4942.7	5156.7	5414.7	5801.6	5952.7	6386.8	6761.3
17.5°	4546.3	4565.2	4599.8	4681.6	4810.6	4993.1	5276.2	5704.1	5770.2	6301.9	6751.8
20°	4562.0	4584.1	4587.2	4621.8	4709.9	4851.5	5140.9	5600.3	5644.3	6286.2	6777.0
22.5°	4687.9	4656.4	4669.0	4647.0	4672.2	4782.3	5037.1	5461.9	5631.8	6154.0	6723.5
25°	4876.7	4832.6	4826.3	4750.8	4703.6	4735.1	5018.2	5427.2	5537.4	6113.1	6720.3
27.5°	5210.2	5144.1	5144.1	5030.8	4838.9	4788.6	4964.8	5370.6	5468.1	6075.4	6648.0
30°	5531.1	5531.1	5534.2	5373.8	5159.8	4911.3	4986.8	5348.6	5411.5	5962.1	6550.5
32.5°	5921.2	5911.8	5896.0	5817.4	5487.0	5115.8	5093.7	5320.3	5351.7	5924.4	6522.1
35°	6301.9	6276.7	6399.4	6330.2	5993.6	5515.3	5203.9	5332.9	5402.1	5867.7	6434.0
37.5°	6588.2	6603.9	6858.8	6902.8	6613.4	5968.4	5515.3	5458.7	5524.8	5949.5	6434.0
40°	6959.5	7022.4	7261.5	7409.4	7233.2	6566.2	6009.3	5669.5	5716.7	6132.0	6572.5
42.5°	7447.1	7500.6	7805.8	7997.7	7947.4	7327.6	6497.0	6110.0	6072.2	6437.2	6780.1
45°	8092.1	8101.5	8409.9	8674.2	8778.0	8123.6	7270.9	6666.9	6635.4	6962.6	7160.8
47.5°	8859.8	8850.3	9042.3	9325.4	9605.4	9073.7	8161.3	7513.2	7399.9	7714.6	7793.2
50°	9602.3	9561.4	9605.4	9967.3	10505.3	10263.0	9243.6	8548.3	8435.0	8608.1	8743.4
52.5°	10011.3	10061.6	9942.1	10420.3	11461.7	11669.4	10678.3	9784.8	9687.2	9772.2	10008.2
55°	9725.0	9828.8	9750.2	10203.2	11880.2	13384.1	12534.6	11216.3	11090.5	11059.0	11446.0
57.5°	8507.4	8696.2	8711.9	9429.3	11735.4	14711.8	15146.0	12905.8	12717.1	12396.2	12795.7
60°	6531.6	6720.3	6865.1	7714.6	10495.8	15504.6	18172.6	15309.6	14686.6	13856.0	14095.1
62.5°	4577.8	4706.8	4851.5	5373.8	8092.1	15039.0	20790.3	18694.9	17546.5	15394.5	15693.4
65°	3335.0	3435.7	3583.6	3891.9	4971.0	12443.3	22004.7	22715.8	21627.2	17351.5	17313.7
67.5°	2510.7	2573.6	2768.7	3262.6	3445.1	7686.2	20746.2	26963.2	26082.3	19525.5	18616.2
70°	1900.3	1953.8	2136.3	2812.7	3218.6	4121.6	16366.7	27910.2	28161.9	21963.8	19490.9
72.5°	1308.8	1368.6	1573.1	2343.9	3064.4	3268.9	10272.4	25355.5	26308.8	22967.5	18553.3
75°	802.3	843.2	962.7	1777.6	3042.4	3196.6	5653.8	20777.7	21787.6	21221.3	16231.4
77.5°	566.3	563.2	585.2	1041.4	2636.5	3215.4	3486.0	15224.6	16206.2	15639.9	11015.0
80°	412.2	415.3	437.3	623.0	1790.2	3268.9	2746.7	10196.9	10489.5	8155.0	4344.9
82.5°	248.6	261.1	314.6	421.6	1076.0	2951.2	2539.0	5666.4	5301.4	2617.7	1195.6
85°	132.1	132.1	185.6	267.4	572.6	2202.4	2444.6	2696.3	2259.0	811.7	443.6
87.5°	31.5	31.5	53.5	107.0	229.7	1054.0	1667.5	1072.9	858.9	273.7	182.5
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: P480053
 CATALOG NUMBER: IFLD-L-SA7A-730-U-SL2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8	6578.8
2.5°	6651.1	6613.4	6660.6	6566.2	6490.7	6493.8	6377.4	6371.1	6355.4	6273.6	6301.9
5°	6726.6	6695.2	6641.7	6537.9	6371.1	6204.4	6103.7	5974.7	5921.2	5892.9	5905.5
7.5°	6799.0	6742.4	6588.2	6443.5	6185.5	5870.9	5688.4	5515.3	5295.1	5269.9	5225.9
10°	6817.9	6698.3	6500.1	6191.8	5848.8	5499.6	5084.3	4763.4	4593.5	4461.4	4411.0
12.5°	6789.6	6739.2	6358.5	5962.1	5443.0	4895.5	4411.0	3958.0	3643.3	3479.7	3435.7
15°	6786.4	6698.3	6201.2	5612.9	4949.0	4234.8	3545.8	3001.5	2671.2	2535.9	2535.9
17.5°	6789.6	6578.8	6015.6	5260.5	4367.0	3401.1	2642.8	2196.1	2013.6	1994.7	2010.4
20°	6726.6	6490.7	5820.5	4845.2	3637.0	2554.7	1919.2	1736.7	1736.7	1761.9	1771.3
22.5°	6670.0	6358.5	5512.2	4332.4	2894.5	1850.0	1560.5	1507.0	1566.8	1610.9	1629.7
25°	6591.4	6248.4	5197.6	3800.6	2202.4	1491.3	1356.0	1368.6	1425.2	1503.9	1497.6
27.5°	6478.1	6056.5	4823.2	3184.0	1639.2	1286.8	1252.2	1258.5	1318.3	1352.9	1346.6
30°	6349.1	5861.4	4477.1	2570.5	1299.4	1179.8	1176.7	1192.4	1201.9	1220.7	1217.6
32.5°	6185.5	5603.4	4109.0	1997.9	1170.4	1120.1	1107.5	1098.0	1107.5	1104.3	1094.9
35°	6069.1	5465.0	3734.6	1522.8	1098.0	1066.6	1057.1	1041.4	1028.8	1009.9	1006.8
37.5°	6037.6	5326.6	3341.3	1242.8	1041.4	1025.7	994.2	965.9	950.2	940.7	934.4
40°	6018.7	5235.3	2957.5	1091.7	994.2	978.5	940.7	903.0	887.2	877.8	880.9
42.5°	6084.8	5185.0	2567.3	1016.2	953.3	925.0	884.1	840.0	836.9	830.6	840.0
45°	6317.6	5247.9	2205.5	962.7	912.4	865.2	811.7	789.7	786.6	780.3	786.6
47.5°	6846.2	5405.2	1897.2	928.1	868.4	827.5	770.8	739.4	736.2	733.1	733.1
50°	7576.1	5889.7	1639.2	887.2	840.0	783.4	729.9	695.3	689.0	676.4	676.4
52.5°	8721.4	6704.6	1485.0	865.2	789.7	742.5	685.9	648.1	632.4	619.8	619.8
55°	10011.3	7714.6	1456.7	827.5	736.2	692.2	641.8	604.1	588.3	572.6	566.3
57.5°	11480.6	9051.7	1658.1	802.3	698.5	641.8	585.2	550.6	538.0	522.3	516.0
60°	12849.2	10385.7	2284.2	764.5	663.9	594.6	538.0	503.4	487.7	471.9	471.9
62.5°	14431.8	12037.5	3344.4	764.5	632.4	544.3	487.7	462.5	453.1	437.3	434.2
65°	16303.8	13745.9	4118.4	811.7	623.0	500.3	440.5	415.3	405.9	396.4	393.3
67.5°	17729.0	14727.5	3542.7	937.6	663.9	462.5	393.3	377.5	371.3	361.8	355.5
70°	17880.0	14129.7	2136.3	1013.1	704.8	424.7	352.4	336.6	336.6	327.2	320.9
72.5°	16524.0	12537.7	1437.8	903.0	638.7	380.7	311.5	298.9	292.6	286.3	283.2
75°	13827.7	10634.3	1135.8	720.5	490.8	314.6	270.6	258.0	248.6	245.4	239.1
77.5°	9287.7	6912.3	840.0	563.2	361.8	254.8	226.5	213.9	204.5	201.4	191.9
80°	3567.8	2633.4	541.2	409.0	254.8	201.4	179.3	166.8	160.5	151.0	144.7
82.5°	1050.8	852.6	302.0	251.7	163.6	138.4	129.0	119.6	110.1	100.7	97.5
85°	434.2	390.1	185.6	132.1	100.7	81.8	75.5	66.1	56.6	50.3	44.0
87.5°	201.4	166.8	84.9	50.3	34.6	18.9	9.4	3.1	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)