

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: P481214

Luminaire Tested: **IFLD-S-SA6B-730-U-RW**

Issue Date: 02/26/2021



Test Information

Test Method: LM-79-08
Report Number: P481214
Test Lab: INNOVATION CENTER(G2)
Issue Date: 02/26/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: IFLD-S-SA6B-730-U-RW
Description: Infrastructure Flood – Middle Tier Light Square Luminaire w/ RW distribution lens
Light Source: (96) 3000K CCT, 70 CRI LEDS
Ballast/Driver: ELECTRONIC DRIVER

Summary

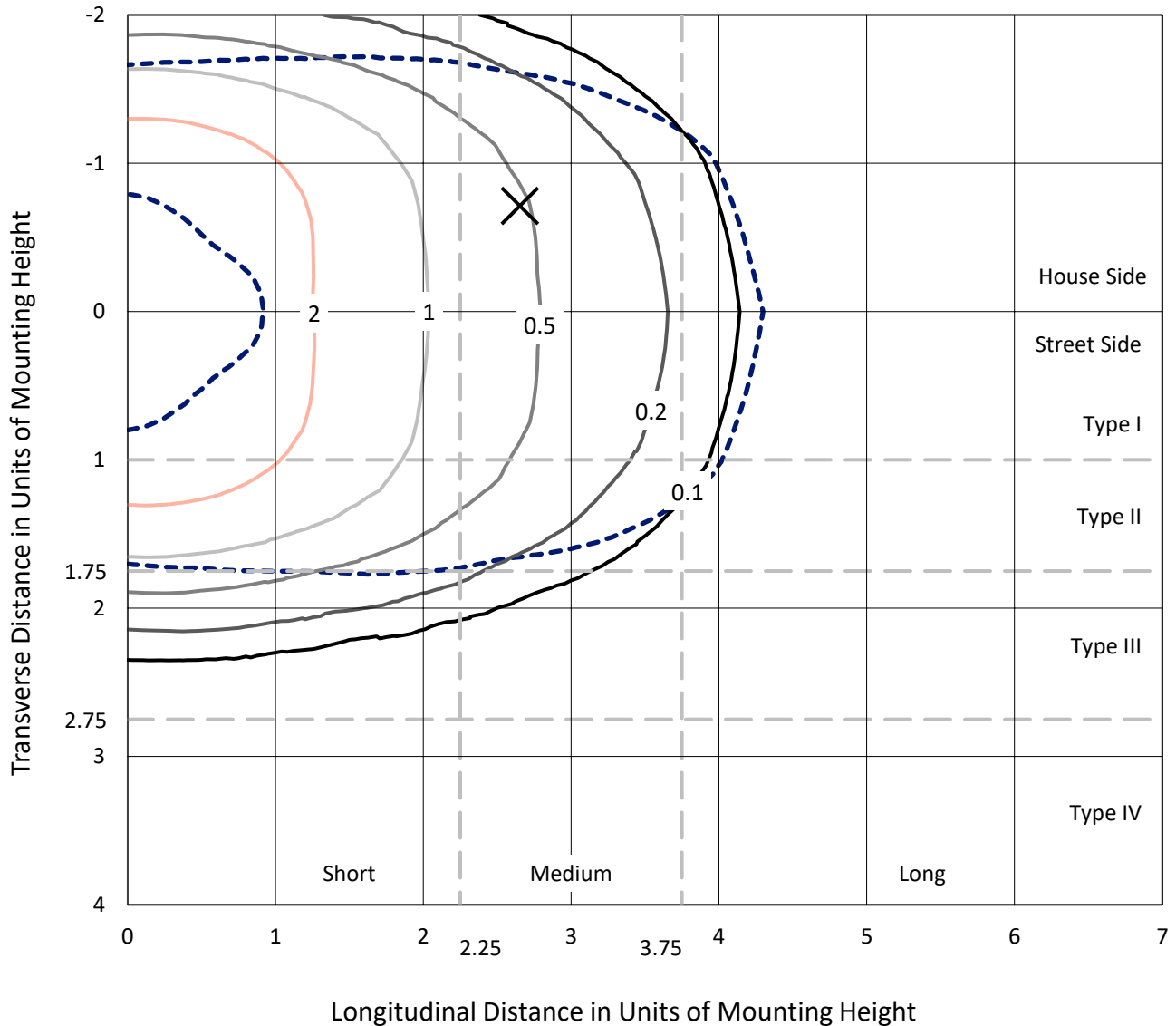
Lumens per Lamp: N/A
Luminaire Lumens: 31308.2 lumens
Efficiency: N/A
Efficacy: 127.8 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 0.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B5 - U0 - G5

Input Watts (W): 244.9
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: P481214
 CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

Iso-Footcandle Lines of Horizontal Illumination

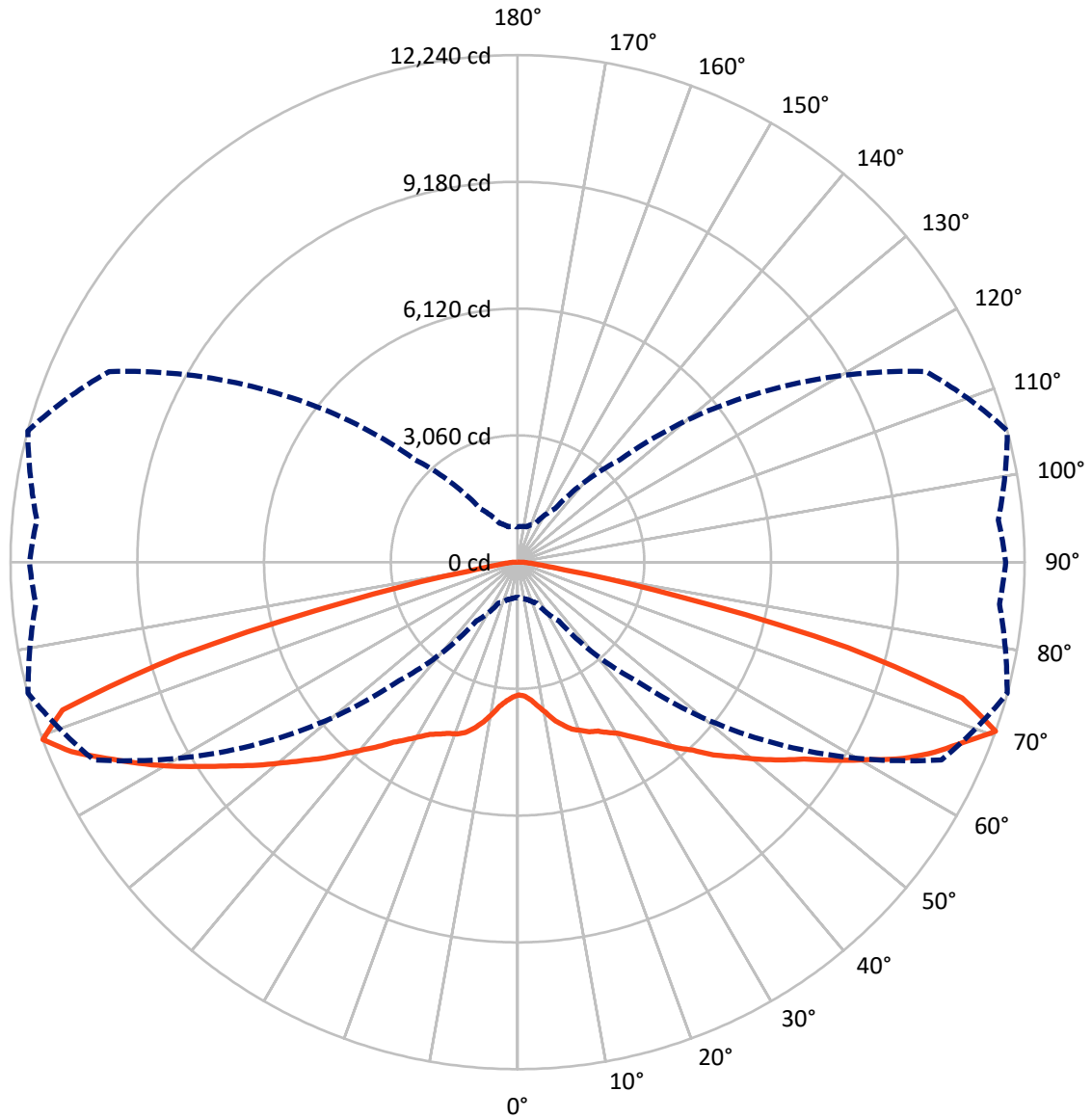
× Max cd
 - - - 1/2 Max cd



Based on 30 foot mounting height. Maximum calculated value = 4.2 fc
 Type II - Short - N/A

REPORT NUMBER: P481214
CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

Luminous Intensity Polar Plot



— Vertical Plane Through 105-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P481214
 CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

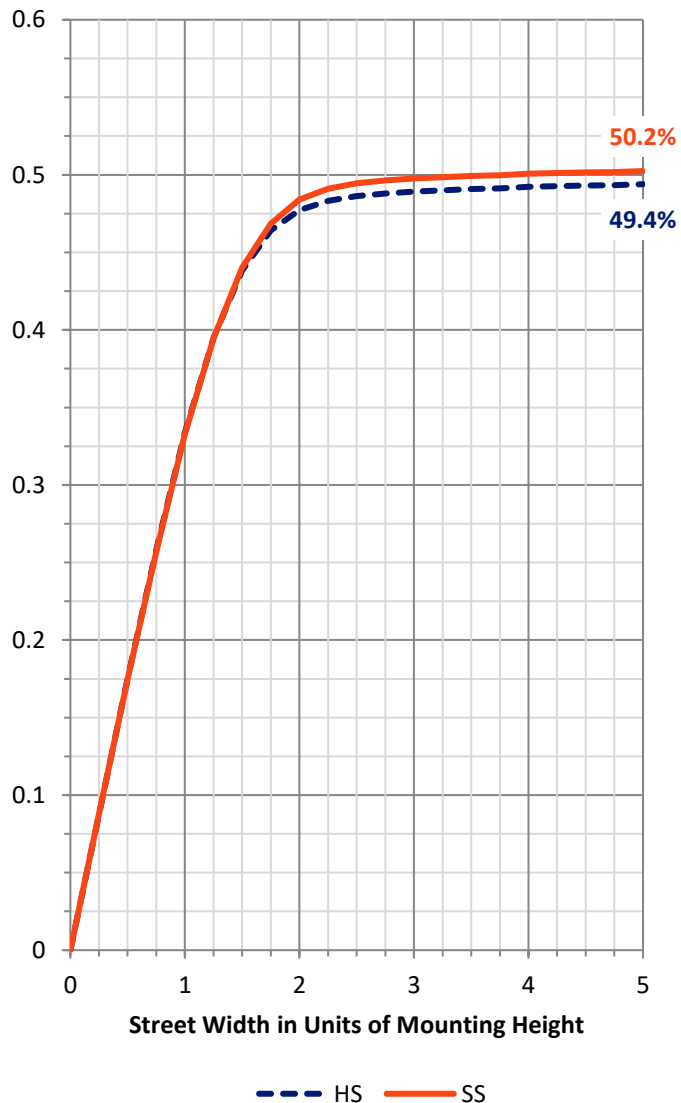
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15542.7	0.0	15542.7
	% Fixture	49.6	0.0	49.6
Street Side	Lumens	15765.5	0.0	15765.5
	% Fixture	50.4	0.0	50.4
Total	Lumens	31308.2	0.0	31308.2
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	319.1	1.0
10°-20°	1086.5	3.5
20°-30°	2103.8	6.7
30°-40°	3558.5	11.4
40°-50°	5676.8	18.1
50°-60°	7770.3	24.8
60°-70°	7324.0	23.4
70°-80°	3226.4	10.3
80°-90°	242.8	0.8
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°	31308.2	100.0
0°-180°	31308.2	100.0

Coefficient of Utilization



REPORT NUMBER: P481214

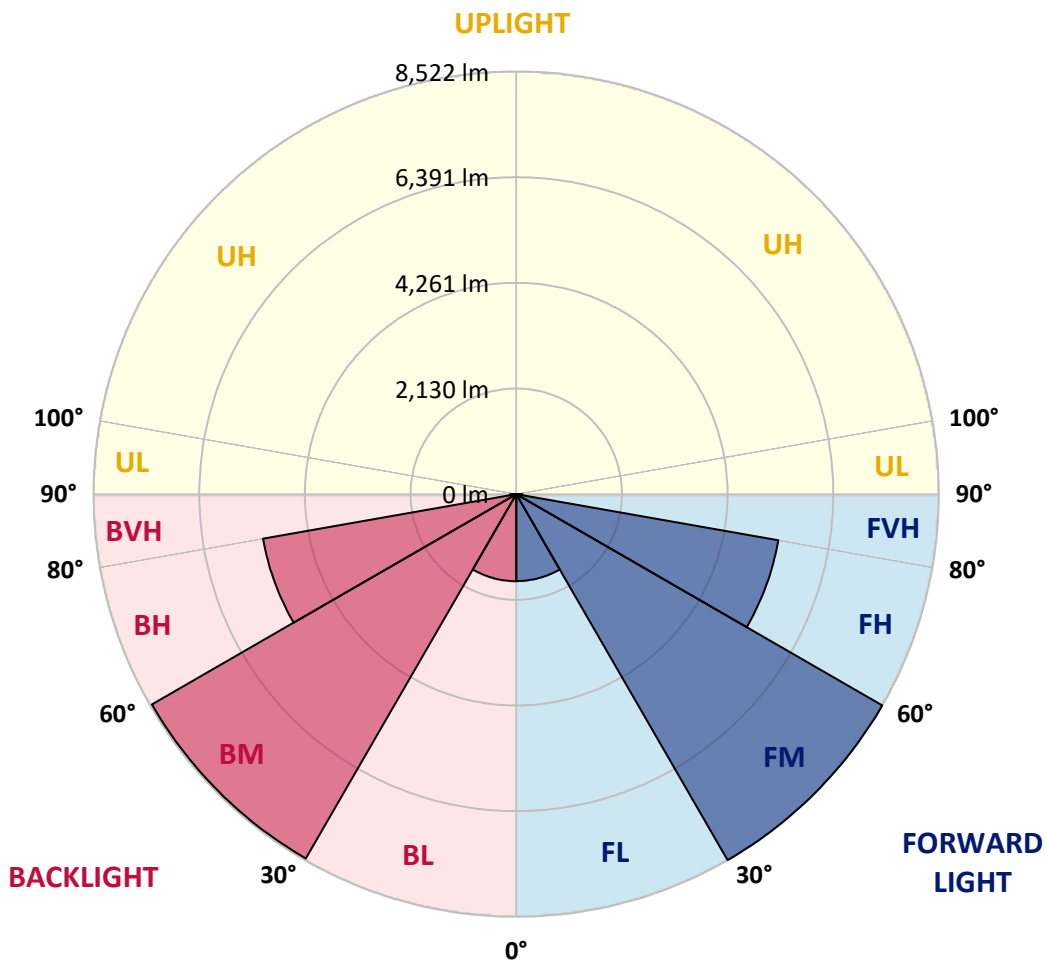
CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1753.8	5.6			
FM (30°-60°)	8521.8	27.2			
FH (60°-80°)	5365.9	17.1			G3/7500
FVH (80°-90°)	124.0	0.4			G2/225
BL (0°-30°)	1755.7	5.6	B3/2500		
BM (30°-60°)	8483.7	27.1	B4/8500		
BH (60°-80°)	5184.6	16.6	B5		G5
BVH (80°-90°)	118.8	0.4			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B5-U0-G5

Type II Short





REPORT NUMBER: P481214

CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°
0°	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9
2.5°	3185.7	3185.7	3182.3	3199.2	3216.1	3222.8	3236.3	3239.7	3259.9	3243.1	3276.8
5°	3175.6	3172.2	3199.2	3239.7	3239.7	3283.5	3310.5	3347.7	3357.8	3378.0	3384.8
7.5°	3246.4	3239.7	3226.2	3270.1	3307.2	3374.7	3411.8	3475.9	3499.5	3526.5	3556.9
10°	3290.3	3290.3	3276.8	3354.4	3388.2	3479.3	3560.3	3624.4	3715.5	3745.9	3749.3
12.5°	3297.0	3307.2	3347.7	3448.9	3543.4	3661.5	3722.3	3843.7	3934.9	3992.2	4012.5
15°	3398.3	3378.0	3421.9	3560.3	3698.6	3803.2	3911.2	3999.0	4130.6	4204.8	4252.1
17.5°	3489.4	3469.2	3550.1	3715.5	3857.2	4019.2	4113.7	4208.2	4302.7	4370.2	4373.6
20°	3634.5	3651.4	3722.3	3901.1	4086.7	4228.5	4336.4	4353.3	4400.6	4498.4	4481.6
22.5°	3813.4	3799.9	3948.4	4144.1	4346.6	4464.7	4525.4	4481.6	4457.9	4562.5	4586.2
25°	3992.2	4032.7	4167.7	4349.9	4592.9	4751.5	4768.4	4646.9	4559.2	4596.3	4586.2
27.5°	4265.6	4272.3	4414.1	4630.0	4876.4	5014.8	5004.6	4832.5	4663.8	4667.2	4673.9
30°	4616.5	4582.8	4738.0	4933.8	5176.7	5301.6	5318.5	5072.1	4846.0	4778.5	4795.4
32.5°	4954.0	4994.5	5129.5	5352.2	5531.1	5601.9	5564.8	5345.5	5051.9	4960.8	4970.9
35°	5386.0	5379.2	5564.8	5753.8	5888.8	5902.3	5871.9	5551.3	5274.6	5156.5	5109.2
37.5°	5848.3	5909.0	6030.5	6185.8	6327.5	6334.2	6168.9	5912.4	5571.6	5375.8	5433.2
40°	6364.6	6432.1	6519.9	6746.0	6850.6	6742.6	6573.8	6226.3	5871.9	5699.8	5726.8
42.5°	6820.2	6850.6	7029.4	7296.0	7346.6	7299.4	7049.7	6627.8	6216.1	6027.2	6040.7
45°	7238.7	7279.2	7512.0	7751.6	7869.7	7788.7	7498.5	7096.9	6617.7	6455.7	6391.6
47.5°	7623.4	7704.4	7930.5	8176.8	8359.0	8365.8	8008.1	7522.1	7015.9	6803.3	6799.9
50°	7883.2	8001.3	8224.1	8504.2	8770.8	8875.4	8517.7	7994.6	7451.3	7225.2	7201.5
52.5°	8025.0	8146.4	8369.2	8804.5	9101.5	9263.5	9094.7	8436.7	7960.8	7724.6	7687.5
55°	7852.8	7933.8	8298.3	8909.1	9368.1	9634.7	9523.3	9047.5	8467.0	8274.7	8308.4
57.5°	7120.5	7289.3	7738.1	8500.8	9361.3	10016.0	10005.9	9624.5	9050.9	8868.6	8875.4
60°	5861.8	6003.5	6557.0	7623.4	8983.4	10171.2	10529.0	10184.7	9705.5	9492.9	9486.2
62.5°	4137.3	4316.2	4957.4	6121.6	7869.7	9955.3	11129.6	10890.0	10346.7	10191.5	10248.9
65°	2315.0	2423.0	3017.0	4069.8	5996.8	8767.4	11237.6	11622.3	10998.0	10761.8	10771.9
67.5°	1238.5	1279.0	1555.7	2136.2	3668.3	6759.5	10147.6	12044.2	11703.3	11295.0	11230.9
70°	850.4	863.9	934.8	1093.4	1734.6	4042.8	7653.7	11291.6	12233.2	11676.3	11784.3
72.5°	718.8	712.1	728.9	745.8	907.8	1808.8	4491.7	8689.8	11548.1	11338.9	11298.4
75°	624.3	620.9	627.7	610.8	631.1	796.4	1987.7	5416.3	8453.5	9435.6	9587.4
77.5°	516.3	519.7	523.1	506.2	499.5	526.4	799.8	2379.1	4161.0	4592.9	4954.0
80°	391.5	398.2	425.2	408.3	381.3	384.7	472.5	796.4	1194.6	1083.3	1117.0
82.5°	266.6	270.0	327.3	307.1	286.8	259.8	303.7	411.7	465.7	354.3	310.5
85°	189.0	185.6	212.6	195.7	182.2	131.6	182.2	232.9	280.1	175.5	158.6
87.5°	43.9	43.9	87.7	70.9	67.5	54.0	70.9	91.1	121.5	77.6	70.9
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: P481214
 CATALOG NUMBER: IFLD-S-SA6B-730-U-RW

CANDELA DISTRIBUTION (continued):

	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9	3205.9
2.5°	3266.7	3236.3	3236.3	3229.6	3202.6	3195.8	3172.2	3178.9	3162.1	3145.2
5°	3381.4	3340.9	3340.9	3283.5	3229.6	3222.8	3195.8	3195.8	3168.8	3175.6
7.5°	3540.0	3502.9	3442.2	3391.5	3317.3	3286.9	3236.3	3229.6	3222.8	3209.3
10°	3729.0	3681.8	3621.0	3516.4	3455.7	3398.3	3347.7	3276.8	3259.9	3263.3
12.5°	3985.5	3911.2	3779.6	3688.5	3610.9	3536.6	3462.4	3357.8	3334.2	3344.3
15°	4167.7	4073.2	3941.6	3907.9	3803.2	3712.1	3590.6	3472.5	3432.0	3421.9
17.5°	4316.2	4238.6	4161.0	4110.3	4026.0	3914.6	3745.9	3610.9	3519.8	3509.7
20°	4437.7	4336.4	4319.6	4349.9	4245.3	4171.1	3965.2	3799.9	3678.4	3627.8
22.5°	4511.9	4447.8	4495.1	4522.1	4515.3	4390.4	4177.8	3985.5	3833.6	3786.4
25°	4592.9	4518.7	4687.4	4778.5	4802.1	4596.3	4430.9	4177.8	4029.3	3999.0
27.5°	4633.4	4660.4	4856.1	5048.5	5031.6	4873.0	4650.3	4424.2	4306.1	4252.1
30°	4751.5	4795.4	5092.4	5308.3	5311.7	5156.5	4987.8	4731.3	4599.7	4576.0
32.5°	4964.1	5018.1	5335.3	5564.8	5605.3	5487.2	5318.5	5159.9	5024.9	4970.9
35°	5126.1	5264.5	5622.2	5831.4	5939.4	5868.5	5774.1	5608.7	5467.0	5419.7
37.5°	5359.0	5551.3	5895.5	6179.0	6300.5	6293.8	6222.9	6044.0	5925.9	5885.4
40°	5693.1	5885.4	6199.3	6573.8	6799.9	6789.8	6749.3	6611.0	6435.5	6415.2
42.5°	6047.4	6206.0	6614.3	7042.9	7366.9	7333.1	7225.2	7063.2	6941.7	6914.7
45°	6391.6	6638.0	7015.9	7566.0	7809.0	7893.3	7765.1	7488.4	7350.0	7333.1
47.5°	6823.6	7019.3	7491.8	7984.5	8345.5	8359.0	8139.7	7883.2	7630.1	7684.1
50°	7208.3	7468.1	7947.3	8487.3	8919.2	8764.0	8483.9	8163.3	7981.1	7910.2
52.5°	7620.0	7937.2	8494.0	9044.1	9283.7	9128.5	8672.9	8315.2	8038.5	8008.1
55°	8220.7	8386.0	9115.0	9536.8	9614.4	9287.1	8615.5	8109.3	7751.6	7663.9
57.5°	8831.5	9023.9	9661.7	10026.1	9945.1	9199.3	8244.3	7461.4	6992.3	6867.4
60°	9449.1	9685.3	10221.9	10556.0	10137.5	8595.3	7194.8	6185.8	5639.1	5527.7
62.5°	10137.5	10444.6	10923.8	11041.9	9567.2	7400.6	5709.9	4464.7	3911.2	3725.6
65°	10748.3	11062.2	11652.7	10940.7	8355.7	5521.0	3691.9	2551.2	2142.9	1994.4
67.5°	11251.1	11605.5	11895.7	9681.9	6118.3	3232.9	1923.6	1343.1	1191.3	1137.3
70°	11649.3	12239.9	10883.3	7117.2	3496.2	1576.0	1039.4	884.2	863.9	850.4
72.5°	11301.8	11224.1	8126.2	4107.0	1532.1	867.3	752.6	728.9	725.6	728.9
75°	9243.2	8244.3	4859.5	1785.2	769.4	627.7	624.3	614.2	631.1	631.1
77.5°	4484.9	3921.4	2031.5	766.0	506.2	492.7	509.6	509.6	509.6	509.6
80°	1039.4	1150.8	725.6	465.7	367.8	367.8	405.0	408.3	391.5	384.7
82.5°	354.3	472.5	398.2	293.6	243.0	273.3	307.1	313.8	259.8	263.2
85°	175.5	276.7	216.0	168.7	124.9	168.7	199.1	209.2	178.9	172.1
87.5°	81.0	121.5	81.0	57.4	43.9	60.7	57.4	47.2	27.0	27.0
90°	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)