

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: P322524

Luminaire Tested: **GAN-SA0B-730-U-T4FT-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P322524
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-17)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0B-730-U-T4FT-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 36581 lumens
Efficiency: N/A
Efficacy: 87.3 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

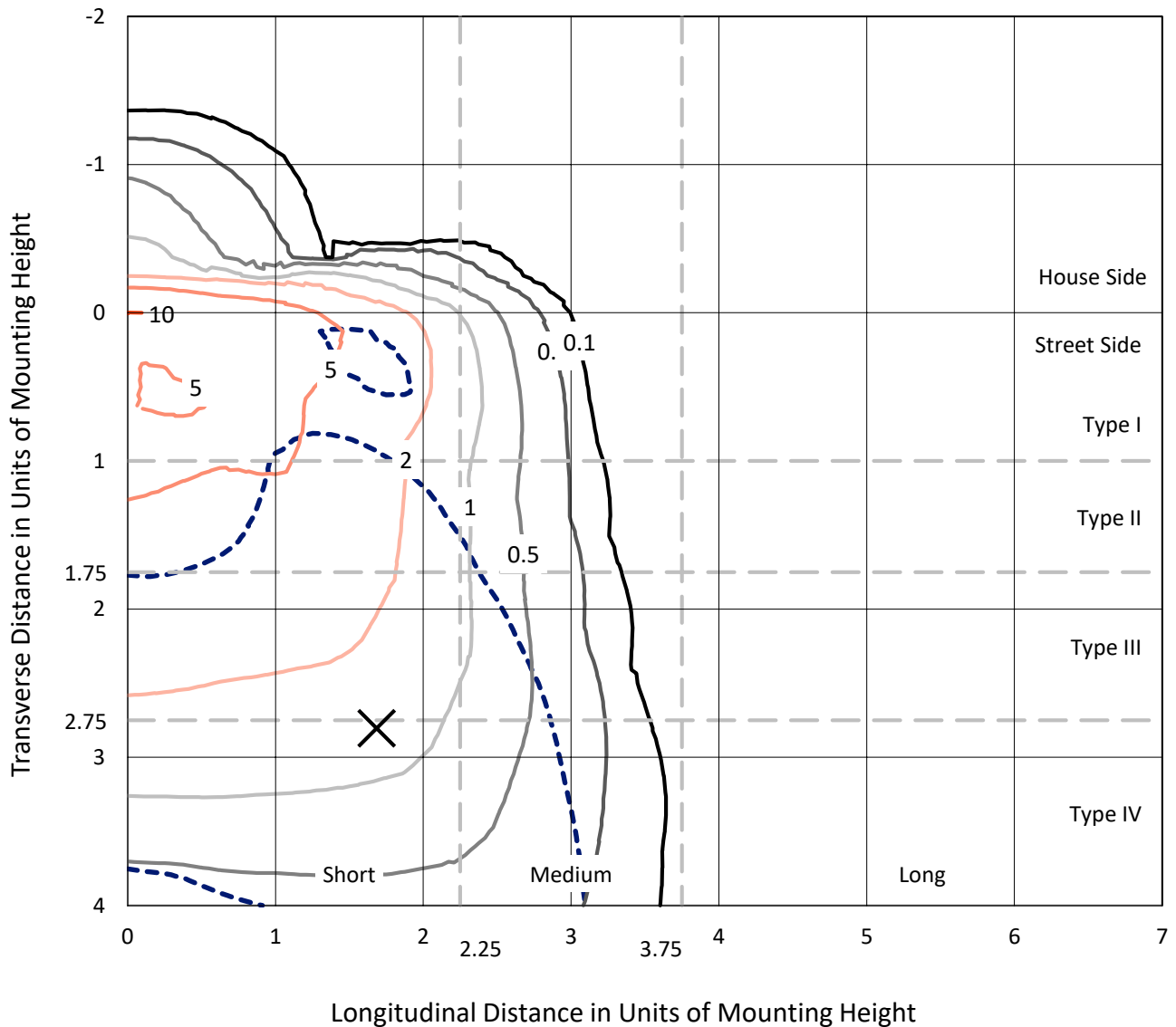
Input Watts (W): 419
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

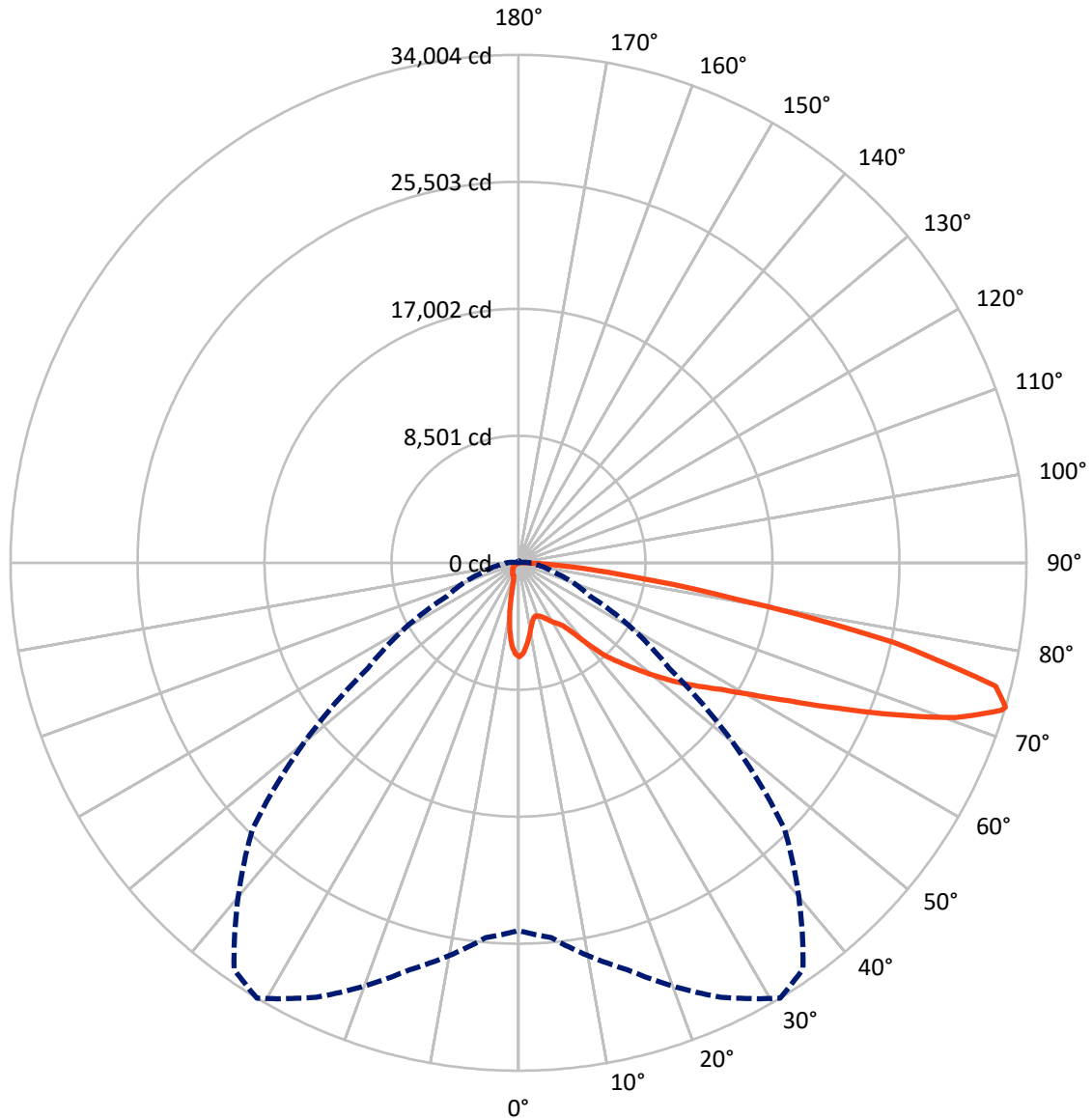
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.1 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 31-Deg Lateral - - - Horizontal Cone Through 73-Deg Vertical

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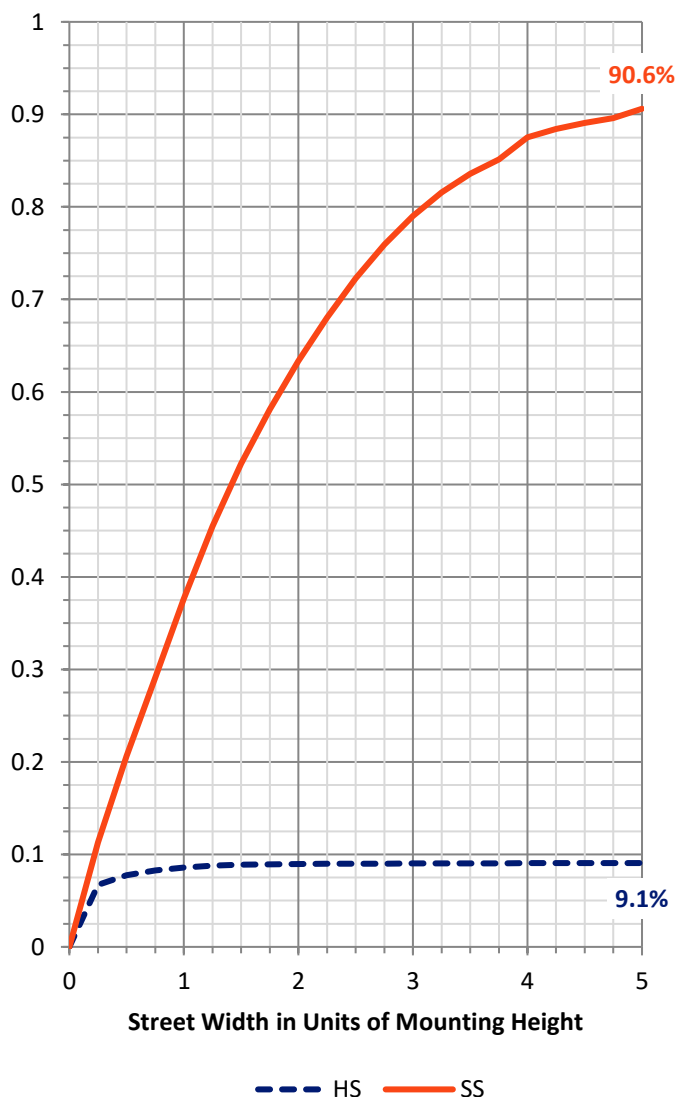
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3334.5	0.0	3334.5
	% Fixture	9.1	0.0	9.1
Street Side	Lumens	33246.5	0.0	33246.5
	% Fixture	90.9	0.0	90.9
Total	Lumens	36581.0	0.0	36581.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	521.8	1.4
10°-20°	1133.1	3.1
20°-30°	1697.7	4.6
30°-40°	2701.0	7.4
40°-50°	4823.3	13.2
50°-60°	7484.3	20.5
60°-70°	9949.4	27.2
70°-80°	7484.0	20.5
80°-90°	786.4	2.1
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°	36581.0	100.0
0°-180°	36581.0	100.0

Coefficient of Utilization

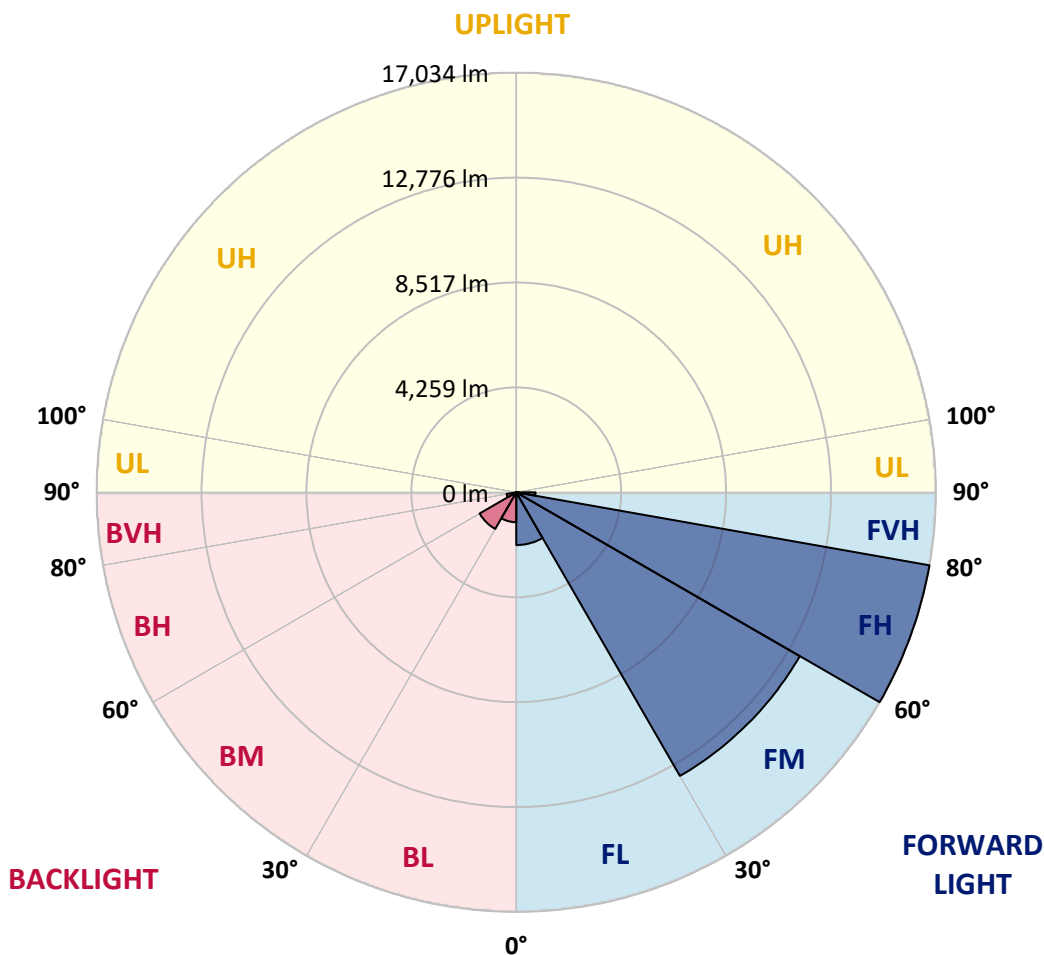


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2140.0	5.9			
FM (30°-60°)	13292.3	36.3			
FH (60°-80°)	17034.4	46.6			G5
FVH (80°-90°)	779.8	2.1			G5
BL (0°-30°)	1212.6	3.3	B3/2500		
BM (30°-60°)	1716.4	4.7	B2/2500		
BH (60°-80°)	399.0	1.1	B1/500		G1/500
BVH (80°-90°)	6.6	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	31°	35°	45°	55°	65°	75°	85°
0°	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8
2.5°	5964.5	5989.5	6016.4	6021.7	6066.5	6068.3	6132.7	6181.1	6229.4	6275.9	6292.0
5°	5352.3	5393.4	5441.8	5490.1	5585.0	5622.6	5780.1	5941.2	6095.1	6241.9	6313.5
7.5°	4698.9	4745.4	4813.5	4933.4	5039.0	5112.4	5361.2	5647.6	5934.0	6204.3	6360.1
10°	4102.8	4145.8	4217.4	4344.5	4507.4	4607.6	4942.3	5339.7	5760.4	6170.3	6429.9
12.5°	3723.3	3746.6	3786.0	3922.0	4068.8	4181.6	4575.4	5067.6	5617.2	6168.5	6542.7
15°	3653.5	3660.7	3628.4	3689.3	3803.9	3913.1	4312.2	4847.5	5508.0	6197.2	6689.4
17.5°	3764.5	3760.9	3653.5	3646.3	3737.6	3827.1	4183.4	4695.3	5431.0	6263.4	6879.2
20°	3932.8	3920.2	3734.1	3700.0	3796.7	3880.8	4174.4	4638.0	5402.4	6374.4	7110.1
22.5°	4156.5	4135.0	3843.2	3807.4	3911.3	3999.0	4285.4	4693.5	5427.4	6523.0	7378.6
25°	4434.0	4401.7	4031.2	3991.8	4097.4	4185.2	4484.1	4852.8	5502.6	6703.8	7718.7
27.5°	4747.2	4700.7	4331.9	4229.9	4349.8	4441.1	4749.0	5096.3	5620.8	6895.3	8135.8
30°	5042.6	4981.7	4648.8	4480.5	4627.3	4729.3	5035.4	5386.3	5810.5	7190.7	8706.8
32.5°	5339.7	5271.7	4931.6	4731.1	4863.6	4974.6	5330.8	5785.5	6166.7	7641.7	9465.8
35°	6023.5	5951.9	5534.9	5203.7	5201.9	5264.6	5744.3	6331.4	6637.5	8270.1	10371.6
37.5°	7174.5	7133.4	6736.0	6107.7	5939.4	5869.6	6308.2	6983.0	7314.2	9134.7	11393.7
40°	8434.7	8398.9	7953.2	7384.0	7128.0	6956.2	7117.3	7890.6	8270.1	10190.8	12437.3
42.5°	9857.8	9687.8	8893.0	8722.9	8493.8	8363.1	8218.1	9009.4	9444.3	11340.0	13472.0
45°	11150.3	10863.8	9832.8	9575.0	9523.1	9555.3	9635.9	10513.0	10765.4	12705.8	14503.0
47.5°	11920.0	11694.4	10903.2	10656.2	10641.9	10854.9	11463.5	12211.8	12081.1	13896.2	15410.6
50°	12652.1	12448.0	11791.1	11852.0	11918.2	12208.2	13538.2	13958.9	13282.2	14975.6	16243.0
52.5°	13244.6	12933.2	12589.5	12931.4	13257.2	13724.4	15679.1	15526.9	14134.3	15834.8	16955.4
55°	13586.5	13445.1	13611.6	13955.3	14567.5	15326.5	17700.1	16831.9	14757.2	16618.9	17429.8
57.5°	14839.6	14562.1	14893.3	15190.4	15988.8	17050.3	19431.1	17803.9	15206.5	17104.0	17539.0
60°	16355.7	16132.0	16327.1	16821.2	17898.8	19146.4	21049.3	18596.9	15441.0	17415.5	17256.1
62.5°	18768.7	18473.4	18351.7	18904.8	20333.2	21695.5	22277.2	19146.4	15389.1	17277.6	16285.9
65°	22001.6	21695.5	21151.3	21652.5	23469.4	24430.7	23650.2	19262.8	15031.1	16162.4	13833.6
67.5°	25313.2	25091.2	24625.8	25470.7	27110.4	27420.1	25102.0	18980.0	13878.3	13105.0	9773.7
70°	27500.6	27405.8	27708.3	29577.1	31039.6	30950.1	26433.8	17460.2	10817.3	8058.8	4834.9
72.5°	25923.6	26378.3	28612.3	32000.8	33787.3	33057.0	25750.0	13407.5	6182.9	3100.4	1398.0
73°	24616.8	25198.6	28205.9	32092.1	34003.9	33203.7	25175.3	12306.6	5269.9	2447.0	1059.7
75°	17125.5	17839.7	23351.3	29888.6	32990.7	31635.7	20984.8	7532.6	2441.6	1084.8	427.8
77.5°	8314.8	8842.9	12858.0	21595.2	25656.9	24717.1	13063.8	2806.8	1102.7	678.4	196.9
80°	3104.0	3451.2	5581.4	10990.9	14827.0	15215.5	5746.1	1061.5	733.9	546.0	100.2
82.5°	812.7	905.8	2058.6	4901.2	7598.8	7953.2	1811.5	535.2	537.0	449.3	60.9
85°	259.6	297.1	642.6	2200.0	3580.1	3143.3	472.6	259.6	390.2	334.7	34.0
87.5°	32.2	41.2	204.1	517.3	789.4	438.6	73.4	77.0	166.5	186.2	19.7
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°	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8	6293.8
2.5°	6308.2	6299.2	6301.0	6254.5	6224.0	6163.2	6100.5	6071.9	6041.4	6028.9	6041.4
5°	6340.4	6324.3	6277.7	6134.5	5982.4	5785.5	5601.1	5461.5	5286.0	5237.7	5287.8
7.5°	6390.5	6358.3	6222.2	5930.5	5592.1	5216.2	4793.8	4485.9	4233.5	4070.6	4129.7
10°	6463.9	6403.0	6129.2	5633.3	5028.3	4362.4	3762.7	3295.5	2964.3	2828.3	2822.9
12.5°	6587.4	6472.8	6014.6	5246.7	4339.1	3451.2	2665.4	2158.8	1890.3	1716.7	1713.1
15°	6723.4	6555.2	5869.6	4783.0	3537.2	2472.1	1716.7	1331.8	1158.2	1102.7	1095.5
17.5°	6889.9	6650.1	5681.6	4212.0	2697.6	1637.9	1120.6	1009.6	1002.4	997.1	997.1
20°	7099.4	6762.8	5440.0	3558.6	1913.6	1093.7	952.3	959.5	963.0	955.9	957.7
22.5°	7342.8	6877.4	5151.8	2856.9	1294.2	914.7	911.1	920.1	923.7	920.1	921.9
25°	7625.6	7009.9	4800.9	2121.2	934.4	868.2	877.1	889.7	898.6	898.6	898.6
27.5°	7976.5	7171.0	4378.5	1480.4	807.3	819.8	844.9	868.2	880.7	884.3	884.3
30°	8433.0	7371.4	3871.9	1015.0	733.9	755.4	801.9	846.7	870.0	873.5	875.3
32.5°	9009.4	7597.0	3284.8	750.0	671.3	687.4	737.5	812.7	857.4	864.6	864.6
35°	9669.9	7858.3	2652.9	653.4	626.5	631.9	671.3	757.2	836.0	855.6	857.4
37.5°	10393.1	8116.1	2017.4	610.4	588.9	588.9	617.6	691.0	784.0	844.9	852.1
40°	11067.9	8271.8	1414.1	576.4	554.9	554.9	580.0	633.7	721.4	812.7	832.4
42.5°	11690.9	8325.5	984.5	544.2	522.7	528.1	549.5	592.5	658.7	750.0	767.9
45°	12331.7	8316.6	717.8	506.6	490.5	506.6	522.7	554.9	603.2	655.2	658.7
47.5°	12815.0	8241.4	569.2	470.8	460.0	481.5	495.8	517.3	544.2	540.6	540.6
50°	13267.9	8058.8	458.3	422.5	429.6	454.7	461.8	469.0	470.8	436.8	433.2
52.5°	13611.6	7774.2	367.0	370.5	399.2	424.2	417.1	406.3	388.4	347.3	340.1
55°	13726.1	7226.5	288.2	306.1	354.4	386.7	359.8	336.5	302.5	268.5	261.3
57.5°	13518.5	6519.4	234.5	238.1	298.9	325.8	295.4	268.5	230.9	202.3	196.9
60°	13078.1	5733.5	193.3	179.0	230.9	254.2	234.5	207.6	173.6	152.2	150.4
62.5°	12204.6	4895.8	159.3	139.6	175.4	195.1	182.6	162.9	134.3	119.9	118.1
65°	10368.0	3916.6	128.9	112.8	136.0	152.2	141.4	127.1	105.6	94.9	93.1
67.5°	7237.2	2647.5	105.6	93.1	107.4	119.9	111.0	103.8	84.1	82.3	84.1
70°	3490.6	1276.3	87.7	75.2	84.1	93.1	89.5	84.1	80.6	93.1	107.4
72.5°	1000.6	427.8	69.8	62.7	68.0	73.4	77.0	75.2	87.7	112.8	130.7
73°	769.7	345.5	66.2	59.1	64.4	71.6	75.2	73.4	89.5	114.6	130.7
75°	329.4	166.5	50.1	48.3	53.7	62.7	66.2	66.2	89.5	116.4	125.3
77.5°	148.6	89.5	32.2	37.6	46.5	50.1	55.5	55.5	71.6	89.5	89.5
80°	84.1	48.3	25.1	28.6	34.0	34.0	34.0	30.4	32.2	35.8	39.4
82.5°	53.7	32.2	19.7	23.3	21.5	17.9	14.3	14.3	12.5	14.3	17.9
85°	30.4	17.9	17.9	14.3	9.0	7.2	9.0	7.2	1.8	0.0	1.8
87.5°	17.9	10.7	5.4	0.0	0.0	0.0	0.0	0.0	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)