

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: P323850

Luminaire Tested: **GAN-SA6C-740-U-SL4-HSS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P323850
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-25)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6C-740-U-SL4-HSS
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
SPILL LIGHT ELIMINATOR OPTICS WITH HOUSE SIDE SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 34334 lumens
Efficiency: N/A
Efficacy: 103.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

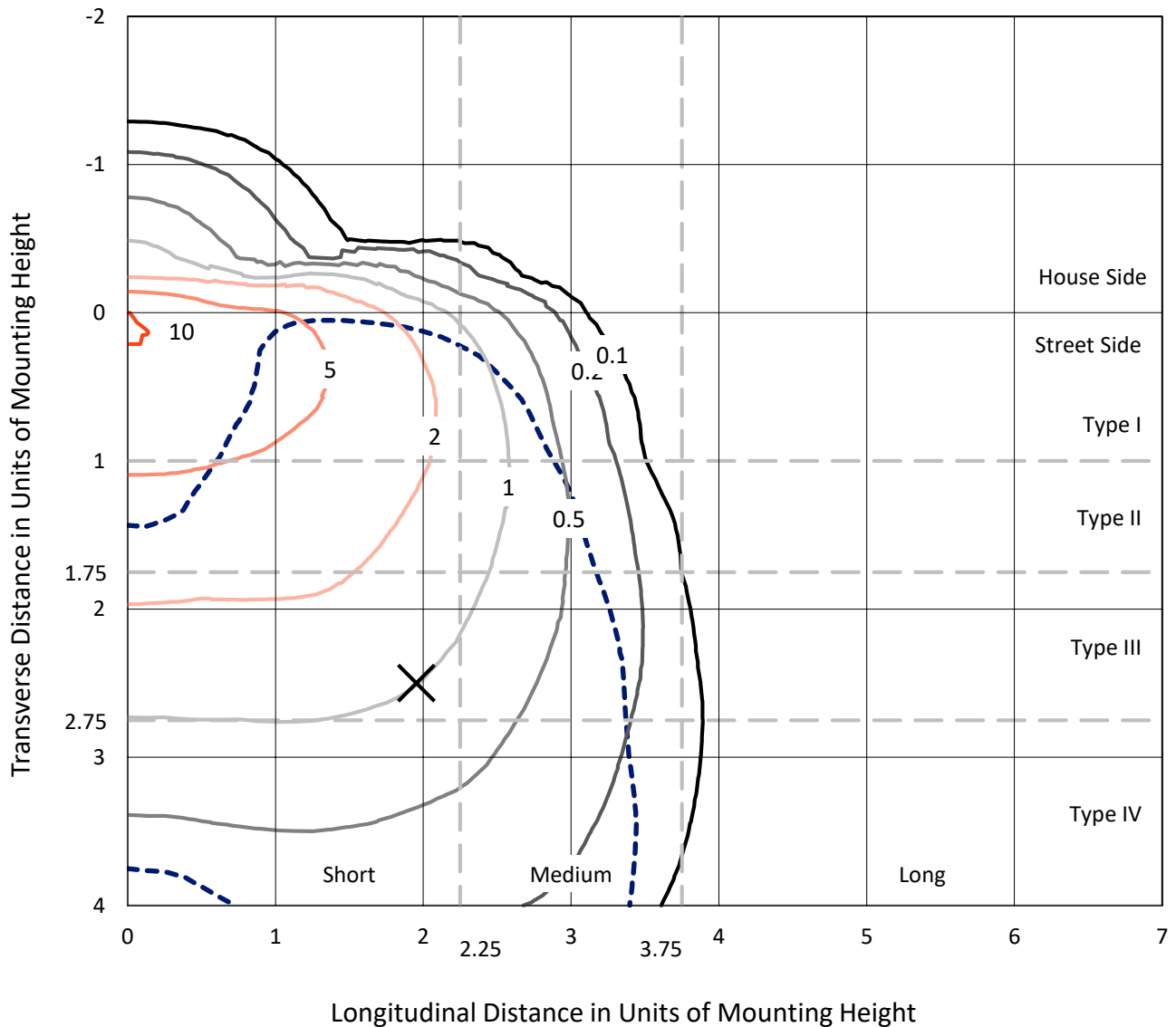
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

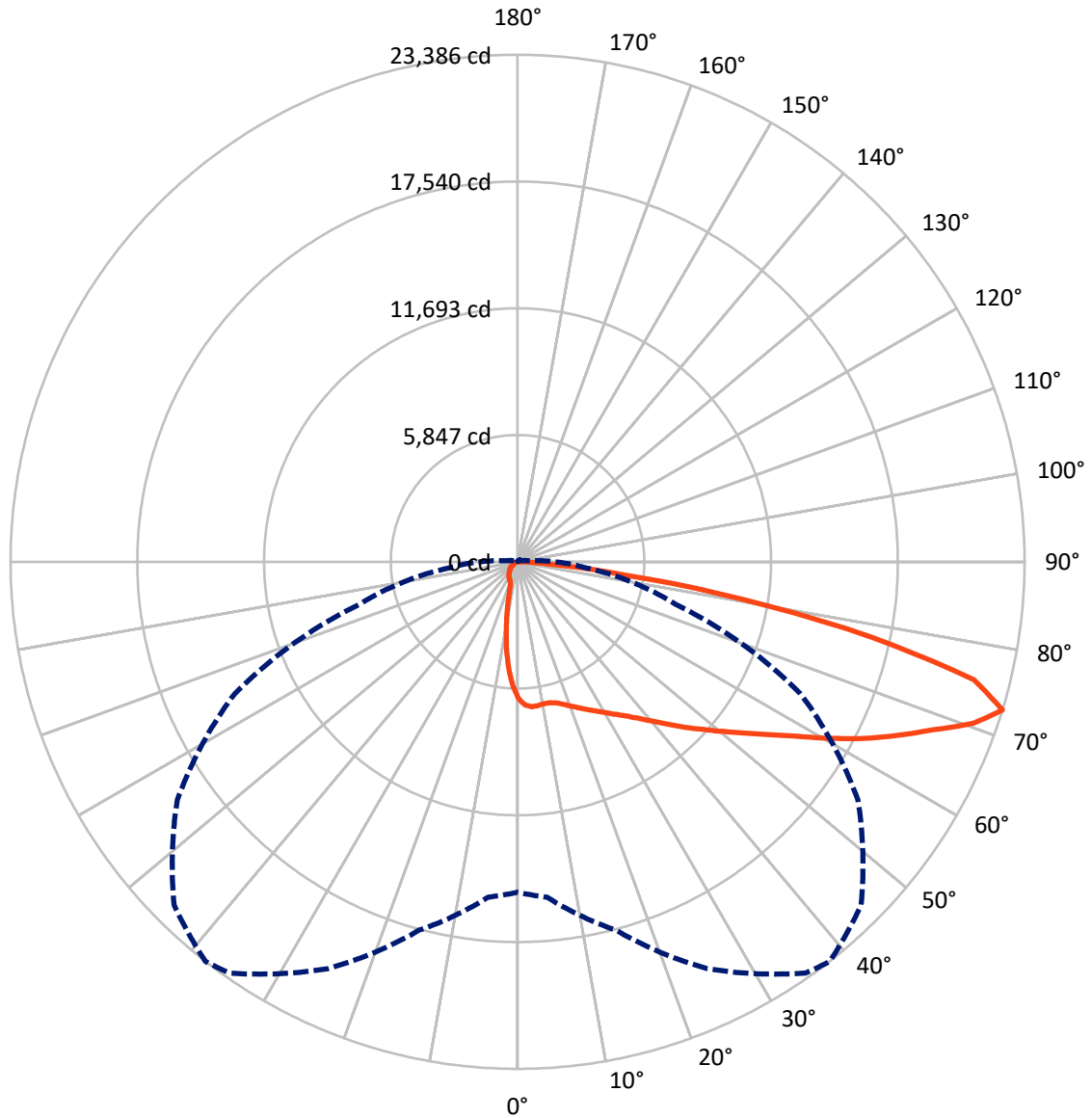
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.7 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 38-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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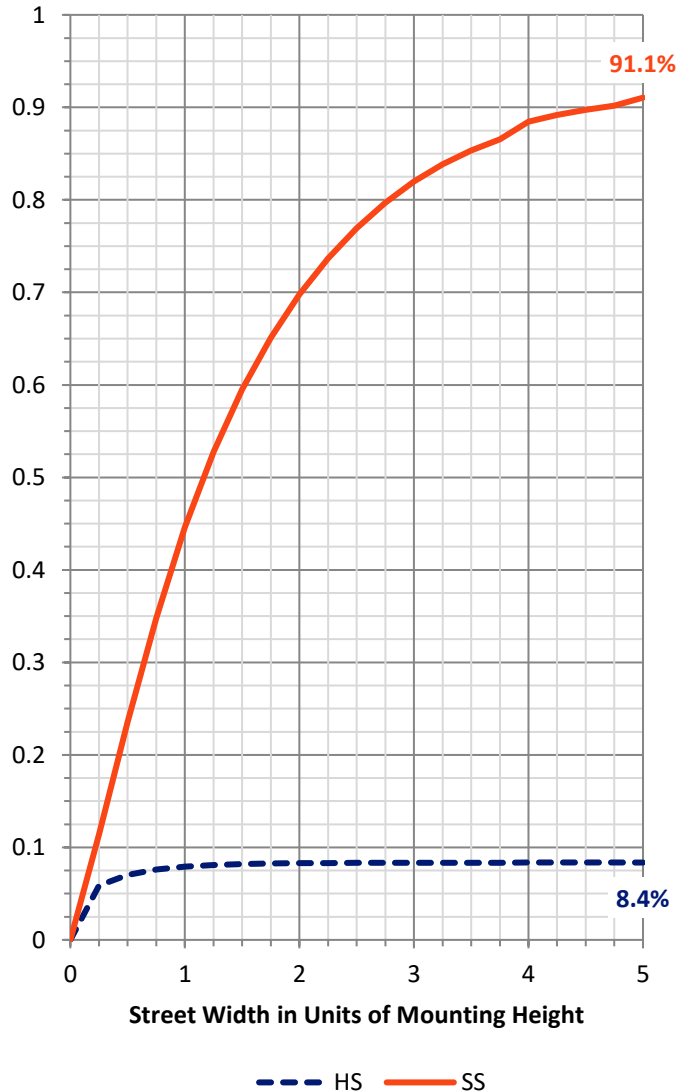
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	2889.3	0.0	2889.3
	% Fixture	8.4	0.0	8.4
Street Side	Lumens	31444.7	0.0	31444.7
	% Fixture	91.6	0.0	91.6
Total	Lumens	34334.0	0.0	34334.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	538.1	1.6
10°-20°	1315.7	3.8
20°-30°	2092.6	6.1
30°-40°	3146.0	9.2
40°-50°	4799.4	14.0
50°-60°	6783.2	19.8
60°-70°	8508.4	24.8
70°-80°	6361.9	18.5
80°-90°	788.9	2.3
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°	34334.0	100.0
0°-180°	34334.0	100.0

Coefficient of Utilization



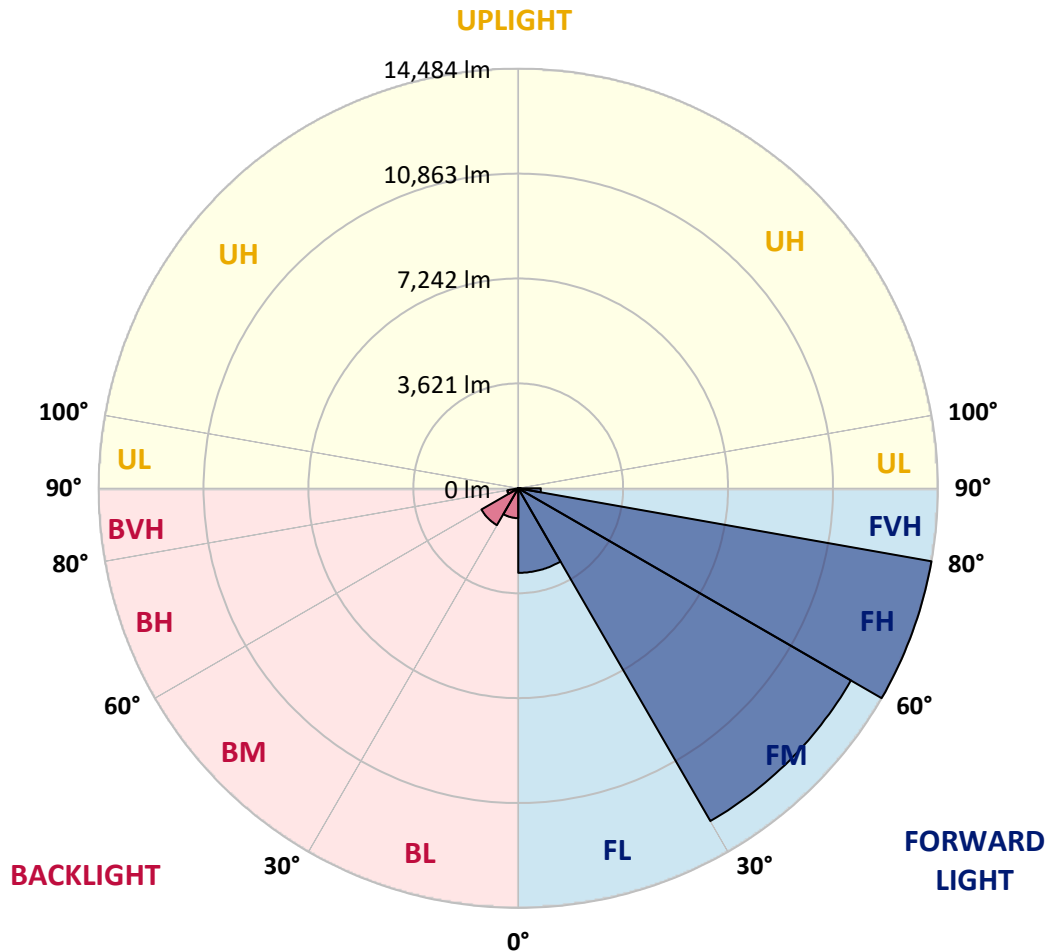
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2917.6	8.5			
FM (30°-60°)	13261.3	38.6			
FH (60°-80°)	14484.3	42.2			G5
FVH (80°-90°)	781.5	2.3			G5
BL (0°-30°)	1028.8	3.0	B3/2500		
BM (30°-60°)	1467.2	4.3	B2/2500		
BH (60°-80°)	386.0	1.1	B1/500		G1/500
BVH (80°-90°)	7.4	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°	35°	38°	45°	55°	65°	75°	85°
0°	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9
2.5°	6701.8	6703.2	6687.5	6661.8	6629.0	6611.9	6583.4	6537.8	6489.3	6402.3	6308.2
5°	6838.6	6838.6	6818.7	6784.5	6731.7	6716.0	6661.8	6589.1	6489.3	6348.1	6189.9
7.5°	6824.4	6827.2	6800.1	6764.5	6711.7	6697.5	6631.9	6550.6	6426.6	6255.4	6053.0
10°	6750.2	6757.4	6736.0	6718.9	6670.4	6654.7	6593.4	6512.1	6388.1	6205.5	5973.1
12.5°	6674.7	6681.8	6688.9	6704.6	6674.7	6669.0	6620.5	6552.0	6433.7	6244.0	5981.7
15°	6626.2	6640.4	6691.8	6753.1	6760.2	6754.5	6723.1	6659.0	6539.2	6342.4	6043.0
17.5°	6626.2	6649.0	6755.9	6872.9	6914.2	6918.5	6891.4	6801.6	6659.0	6447.9	6100.0
20°	6681.8	6713.2	6880.0	7045.4	7113.8	7113.8	7061.1	6935.6	6768.8	6543.5	6138.5
22.5°	6824.4	6865.7	7075.3	7266.4	7339.1	7323.5	7252.2	7069.6	6882.8	6651.8	6187.0
25°	7105.3	7136.7	7354.8	7547.3	7591.5	7555.9	7466.0	7232.2	7028.3	6798.7	6275.4
27.5°	7467.5	7471.7	7697.0	7859.6	7832.5	7808.3	7695.6	7436.1	7237.9	7008.3	6428.0
30°	7865.3	7865.3	8063.5	8187.5	8104.8	8084.9	7972.2	7682.8	7506.0	7293.5	6644.7
32.5°	8250.3	8267.4	8428.5	8507.0	8414.3	8394.3	8284.5	7995.1	7862.4	7728.4	6982.7
35°	8622.5	8635.3	8787.9	8830.6	8742.2	8747.9	8669.5	8424.2	8374.3	8357.2	7491.7
37.5°	8983.2	8986.1	9141.5	9168.6	9124.4	9172.8	9180.0	8963.2	9055.9	9194.2	8208.9
40°	9312.6	9315.4	9469.4	9539.3	9614.9	9677.6	9733.2	9617.7	9924.3	10245.1	9063.1
42.5°	9576.4	9606.3	9801.7	9934.3	10133.9	10253.7	10404.8	10399.1	10958.1	11440.0	10095.4
45°	9808.8	9860.1	10132.5	10364.9	10707.1	10898.2	11134.9	11320.3	12121.6	12770.4	11140.6
47.5°	10115.4	10163.9	10474.7	10855.4	11311.7	11562.7	11954.8	12355.5	13400.7	14076.5	12161.5
50°	10547.4	10526.0	10832.6	11378.7	11964.8	12294.2	12853.1	13453.4	14669.7	15214.4	12761.9
52.5°	11008.0	10999.4	11226.2	11947.7	12734.8	13119.8	13858.4	14588.4	15883.2	15998.7	13037.1
55°	11578.4	11517.0	11708.1	12596.4	13648.8	14062.3	14932.1	15712.1	16849.9	16440.7	13175.4
57.5°	12175.8	12074.6	12257.1	13319.4	14679.7	15168.8	16121.3	16807.1	17493.0	16743.0	13173.9
60°	12793.2	12673.4	12890.2	14223.4	15960.2	16526.2	17410.3	17547.2	18093.3	16895.6	13077.0
62.5°	13309.4	13238.1	13560.4	15190.2	17390.3	17946.4	18384.2	18220.2	18599.5	17013.9	12850.3
65°	13855.5	13859.8	14380.3	16318.1	18910.4	19285.4	19322.4	19092.9	19023.0	16989.7	12083.1
67.5°	14594.1	14662.6	15531.0	17849.5	20389.0	20678.5	20675.6	20038.2	19332.4	16025.8	10382.0
70°	15375.5	15536.7	16857.1	19601.9	22003.1	22296.9	22145.7	20640.0	18203.1	12958.6	7347.7
72.5°	15244.4	15523.8	17594.2	20707.0	23162.4	23386.3	22403.8	19161.3	14387.4	7531.6	3128.4
75°	11760.9	12084.5	16132.7	19611.9	21946.1	21745.1	19249.7	14910.7	7862.4	2101.8	704.4
77.5°	6212.7	6385.2	10657.2	14940.6	17112.3	16691.6	13560.4	8271.7	2396.9	520.5	316.6
80°	3253.9	3293.8	4644.2	8477.0	10561.7	10564.5	8036.4	3633.2	988.2	266.6	212.5
82.5°	1742.5	1776.7	2454.0	3917.0	5533.9	5016.3	3077.1	1999.1	574.6	151.1	203.9
85°	419.2	426.3	1391.7	1789.5	2175.9	1554.2	914.0	1678.3	155.4	88.4	165.4
87.5°	161.1	164.0	516.2	774.3	554.7	359.3	427.8	626.0	20.0	34.2	25.7
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°	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9	6313.9
2.5°	6251.2	6214.1	6122.8	6007.3	5904.7	5830.5	5719.3	5646.6	5598.1	5596.7	5578.1
5°	6092.9	6017.3	5820.5	5586.7	5374.2	5183.2	4957.9	4779.6	4647.0	4625.6	4580.0
7.5°	5923.2	5799.2	5496.9	5131.8	4775.4	4413.2	3992.5	3731.6	3507.7	3400.8	3389.4
10°	5819.1	5645.2	5216.0	4688.4	4129.4	3540.5	2990.1	2609.4	2334.2	2255.8	2197.3
12.5°	5797.7	5568.2	4999.2	4272.0	3473.5	2695.0	2086.1	1681.1	1461.6	1391.7	1373.1
15°	5819.1	5532.5	4816.7	3859.9	2809.0	1912.1	1400.2	1165.0	1082.3	1062.3	1060.9
17.5°	5832.0	5489.7	4610.0	3402.2	2164.5	1366.0	1072.3	1003.8	991.0	989.6	992.4
20°	5830.5	5424.1	4363.3	2891.7	1609.8	1073.7	969.6	955.4	952.5	953.9	952.5
22.5°	5820.5	5347.1	4092.3	2365.6	1216.3	959.6	925.4	916.9	915.4	915.4	915.4
25°	5839.1	5285.8	3794.3	1862.2	1002.4	906.9	885.5	878.4	876.9	876.9	874.1
27.5°	5906.1	5251.6	3467.8	1433.0	905.4	859.8	842.7	841.3	837.0	835.6	838.4
30°	6014.5	5251.6	3109.9	1115.1	847.0	811.3	798.5	795.7	794.2	792.8	794.2
32.5°	6205.5	5291.5	2719.2	926.8	791.4	757.2	748.6	752.9	748.6	748.6	748.6
35°	6550.6	5411.3	2310.0	808.5	732.9	704.4	695.8	701.5	698.7	698.7	697.3
37.5°	7054.0	5633.8	1897.9	737.2	681.6	651.6	640.2	648.8	645.9	645.9	644.5
40°	7667.1	5957.4	1505.8	683.0	631.7	600.3	590.3	594.6	587.5	587.5	590.3
42.5°	8424.2	6368.1	1163.5	630.3	581.8	551.8	546.1	541.8	529.0	521.9	523.3
45°	9265.5	6795.9	906.9	578.9	534.7	510.5	501.9	490.5	469.1	454.9	456.3
47.5°	10017.0	7125.2	737.2	529.0	491.9	473.4	460.6	439.2	407.8	390.7	392.1
50°	10412.0	7175.2	627.4	479.1	452.0	433.5	414.9	382.1	345.1	326.5	325.1
52.5°	10513.2	6941.3	546.1	433.5	412.1	390.7	366.5	322.3	280.9	260.9	258.1
55°	10550.3	6584.8	473.4	390.7	369.3	345.1	313.7	263.8	225.3	205.3	203.9
57.5°	10427.6	6053.0	416.4	352.2	326.5	296.6	258.1	211.0	174.0	158.3	158.3
60°	10155.3	5332.9	372.2	310.8	282.3	248.1	208.2	164.0	129.8	116.9	116.9
62.5°	9612.0	4400.3	330.8	268.1	241.0	205.3	168.3	124.1	91.3	84.1	85.6
65°	8586.8	3338.0	289.5	229.6	205.3	169.7	131.2	88.4	61.3	61.3	64.2
67.5°	7002.6	2318.5	246.7	195.3	176.8	138.3	99.8	61.3	42.8	48.5	54.2
70°	4635.6	1300.4	211.0	161.1	151.1	109.8	74.1	41.4	34.2	45.6	55.6
72.5°	1749.6	506.2	176.8	129.8	131.2	84.1	52.8	31.4	31.4	49.9	65.6
75°	487.7	248.1	126.9	95.5	102.7	61.3	38.5	27.1	29.9	57.0	77.0
77.5°	286.6	182.5	82.7	55.6	69.9	42.8	25.7	21.4	25.7	48.5	74.1
80°	231.0	97.0	48.5	28.5	38.5	24.2	17.1	12.8	7.1	18.5	38.5
82.5°	231.0	58.5	22.8	20.0	20.0	12.8	8.6	5.7	1.4	0.0	10.0
85°	155.4	24.2	14.3	12.8	10.0	4.3	2.9	1.4	0.0	0.0	0.0
87.5°	25.7	10.0	5.7	2.9	1.4	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)