

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: P319054

Luminaire Tested: **GAN-SA0C-740-U-T4W**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319054
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-18)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA0C-740-U-T4W
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(10) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
WIDE OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 69521 lumens
Efficiency: N/A
Efficacy: 124.6 lumens/watt
Luminous Opening: Rectangular (W 2.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B4 - U0 - G5

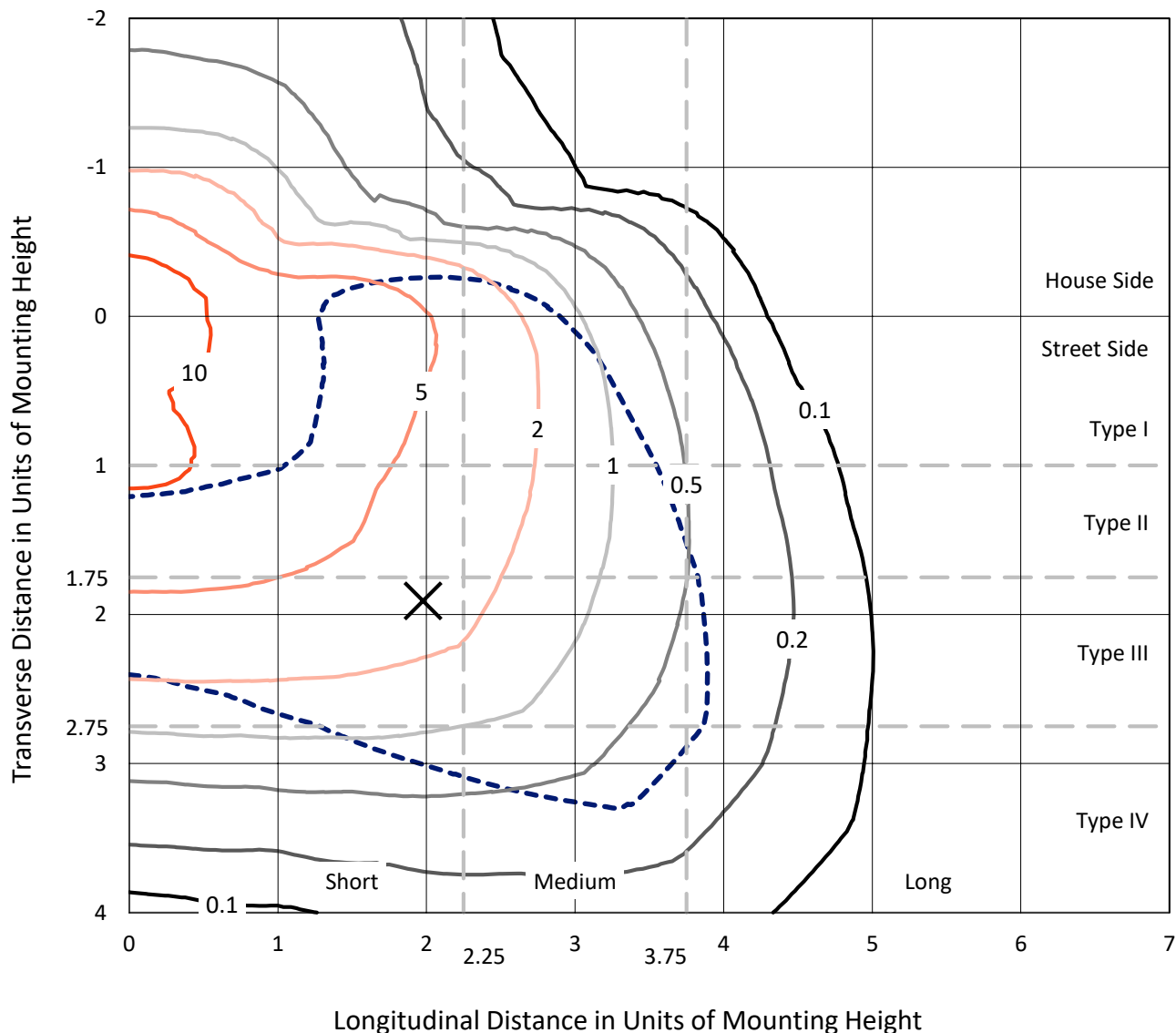
Input Watts (W): 558
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P319054
 CATALOG NUMBER: GAN-SA0C-740-U-T4W

Iso-Footcandle Lines of Horizontal Illumination

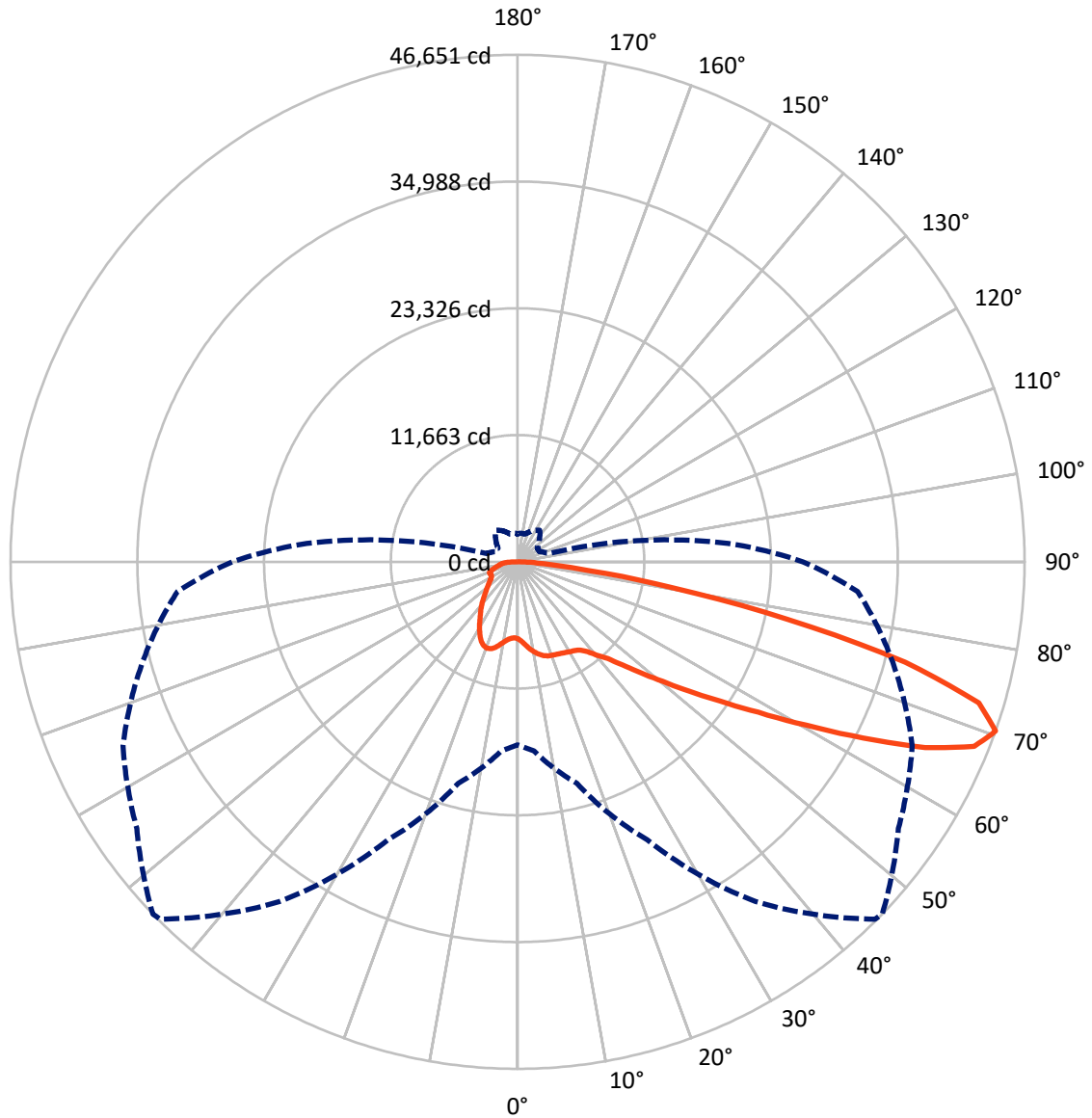
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 14.2 fc
 Type IV - Short - N/A

REPORT NUMBER: P319054
CATALOG NUMBER: GAN-SA0C-740-U-T4W

Luminous Intensity Polar Plot



— Vertical Plane Through 46-Deg Lateral - - - Horizontal Cone Through 70-Deg Vertical

REPORT NUMBER: P319054
 CATALOG NUMBER: GAN-SAOC-740-U-T4W

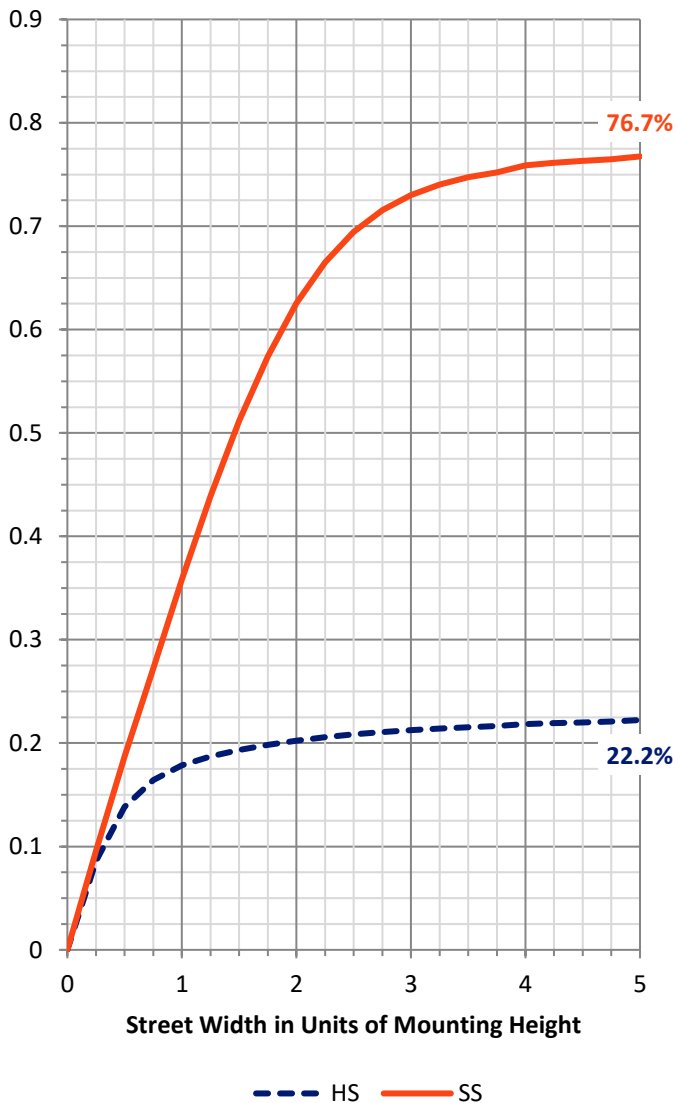
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	15934.0	0.0	15934.0
	% Fixture	22.9	0.0	22.9
Street Side	Lumens	53587.0	0.0	53587.0
	% Fixture	77.1	0.0	77.1
Total	Lumens	69521.0	0.0	69521.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	722.0	1.0
10°-20°	2405.6	3.5
20°-30°	4011.1	5.8
30°-40°	5692.0	8.2
40°-50°	8372.6	12.0
50°-60°	14179.0	20.4
60°-70°	20126.9	29.0
70°-80°	12227.3	17.6
80°-90°	1784.4	2.6
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°	69521.0	100.0
0°-180°	69521.0	100.0

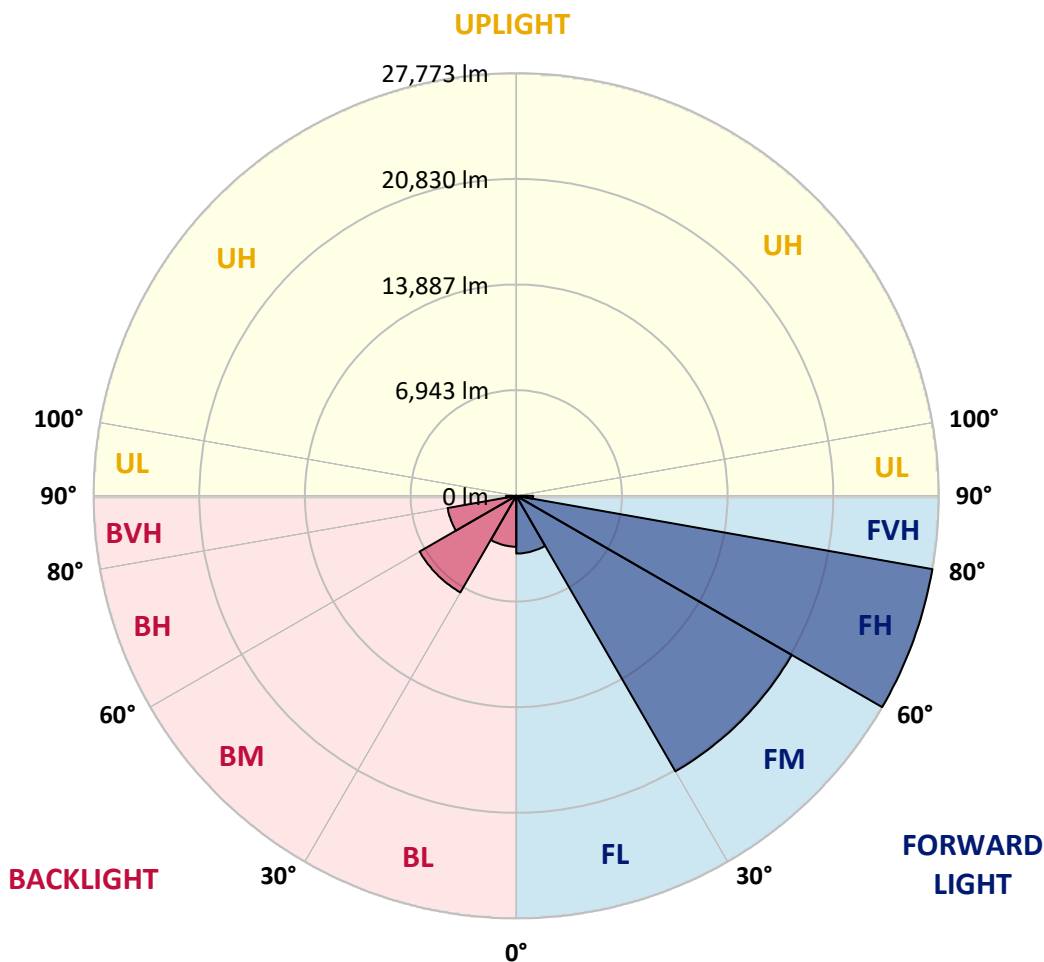


REPORT NUMBER: P319054
 CATALOG NUMBER: GAN-SAOC-740-U-T4W

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3793.4	5.5			
FM (30°-60°)	20908.8	30.1			
FH (60°-80°)	27773.3	39.9			G5
FVH (80°-90°)	1111.5	1.6			G5
BL (0°-30°)	3345.4	4.8	B4/5000		
BM (30°-60°)	7334.9	10.6	B4/8500		
BH (60°-80°)	4580.9	6.6	B4/5000		G4/5000
BVH (80°-90°)	672.9	1.0			G4/750
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B4-U0-G5
 Type IV Short





REPORT NUMBER: P319054
 CATALOG NUMBER: GAN-SAOC-740-U-T4W

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	46°	55°	65°	75°	85°
0°	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8
2.5°	7437.3	7442.1	7451.6	7427.8	7361.2	7342.2	7335.0	7266.0	7220.8	7154.2	7097.1
5°	8032.1	8036.9	8022.6	7956.0	7808.5	7699.0	7689.5	7532.5	7389.7	7237.5	7123.3
7.5°	8653.1	8660.2	8615.0	8488.9	8281.9	8091.6	8079.7	7865.6	7649.1	7418.3	7247.0
10°	9202.7	9174.1	9100.4	8924.3	8679.3	8446.1	8436.6	8212.9	7963.1	7684.8	7456.4
12.5°	9569.1	9545.3	9450.1	9236.0	8967.1	8753.0	8734.0	8527.0	8284.3	7979.8	7706.2
15°	9771.3	9788.0	9659.5	9416.8	9155.1	8974.3	8957.6	8810.1	8593.6	8286.7	7972.6
17.5°	9797.5	9811.8	9688.0	9447.7	9233.6	9109.9	9102.8	9005.2	8848.2	8553.2	8224.8
20°	9645.2	9654.7	9552.4	9354.9	9214.6	9176.5	9174.1	9131.3	9014.7	8753.0	8434.2
22.5°	9423.9	9431.1	9357.3	9214.6	9167.0	9226.5	9243.1	9226.5	9143.2	8898.1	8598.4
25°	9369.2	9364.5	9288.3	9143.2	9183.6	9309.7	9331.2	9338.3	9281.2	9067.1	8807.7
27.5°	9633.3	9616.7	9471.5	9238.4	9264.5	9416.8	9445.4	9514.4	9478.7	9290.7	9045.7
30°	10397.0	10368.5	10071.1	9600.0	9471.5	9550.0	9585.7	9695.2	9702.3	9545.3	9362.1
32.5°	11686.5	11650.9	11117.9	10275.7	9821.3	9685.7	9719.0	9883.1	9971.2	9849.8	9652.3
35°	13316.3	13275.8	12576.4	11424.8	10406.5	9945.0	9968.8	10099.6	10275.7	10104.4	9842.7
37.5°	15015.0	14917.5	14244.2	12776.2	11336.8	10499.3	10499.3	10516.0	10599.3	10242.4	10066.3
40°	16704.2	16606.7	15997.6	14365.5	12540.7	11372.5	11317.8	10949.0	10882.4	10575.5	10516.0
42.5°	18274.5	18246.0	17886.7	16161.8	13953.9	12231.4	12155.2	11529.5	11543.8	11353.5	11355.8
45°	19944.7	19944.7	19652.1	17974.7	15600.3	13611.3	13535.2	12614.4	12757.2	12669.2	12880.9
47.5°	21308.0	21350.8	21310.3	19863.8	17515.5	15364.8	15226.8	14118.1	14517.8	14819.9	15436.1
50°	22699.8	22766.4	22773.5	21936.1	19830.5	17448.9	17291.9	16114.2	17006.4	17872.4	19083.4
52.5°	24719.7	24869.6	24272.4	24003.6	22666.5	19923.3	19768.6	18681.3	20170.7	21386.5	23473.0
55°	26592.1	26461.3	26035.4	26201.9	25702.3	22740.2	22623.7	21669.6	23696.7	25276.4	27986.3
57.5°	27605.7	27596.1	28024.4	28738.2	28976.1	26213.8	26116.3	25188.4	27672.3	28859.5	32223.7
60°	28795.3	28811.9	29873.0	31493.3	32473.5	30539.2	30496.4	29792.1	31533.7	32204.6	35547.4
62.5°	28961.8	29261.6	31088.8	33877.2	35747.2	35592.6	35687.8	33939.1	34988.3	34874.1	38028.9
65°	27046.6	27441.5	30748.6	34598.1	39002.0	41119.4	41207.5	38109.8	37712.4	37155.7	38916.3
67.5°	23120.9	23706.2	27298.8	33030.2	40075.0	45204.5	45328.2	41343.1	39972.7	37928.9	36779.8
70°	16825.6	17475.1	21091.5	28210.0	38162.1	46510.7	46651.0	42773.0	40058.3	35728.2	31398.1
72.5°	10163.9	10673.0	13654.1	20767.9	32209.4	44131.5	44381.3	40960.0	36572.8	30263.2	23185.1
75°	4463.3	4796.4	6602.2	11967.3	23059.0	36513.3	36825.0	35059.6	29716.0	21993.2	13704.1
77.5°	1901.0	1996.1	2707.5	5198.5	13035.5	24950.5	25378.7	25616.7	20161.2	11967.3	5790.9
80°	1184.8	1222.9	1532.2	2353.0	6100.2	14013.4	14475.0	15072.1	10011.6	4399.1	2022.3
82.5°	720.9	763.7	1018.3	1422.8	3176.2	6352.4	6573.7	6994.8	3885.2	1901.0	1046.8
85°	433.0	463.9	623.3	899.3	1808.2	2498.1	2495.8	2759.9	1829.6	1222.9	552.0
87.5°	207.0	230.8	333.1	466.3	911.2	937.4	877.9	994.5	1111.1	801.8	278.4
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: P319054
 CATALOG NUMBER: GAN-SAOC-740-U-T4W

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8	7082.8
2.5°	7078.1	7068.6	7037.6	7013.8	7009.1	6994.8	6982.9	6990.0	6999.6	7001.9	7001.9
5°	7075.7	7049.5	7009.1	6992.4	7013.8	7042.4	7078.1	7125.7	7154.2	7175.6	7189.9
7.5°	7189.9	7139.9	7094.7	7085.2	7128.0	7204.2	7285.1	7385.0	7454.0	7501.6	7511.1
10°	7380.2	7318.4	7273.2	7282.7	7358.8	7468.3	7582.5	7710.9	7815.6	7879.9	7884.6
12.5°	7599.1	7539.6	7496.8	7537.3	7663.3	7796.6	7915.5	8027.4	8122.5	8186.8	8186.8
15°	7851.3	7808.5	7758.5	7851.3	8022.6	8141.6	8191.5	8246.2	8298.6	8346.2	8336.7
17.5°	8094.0	8053.5	8027.4	8136.8	8315.2	8370.0	8336.7	8296.2	8296.2	8322.4	8327.1
20°	8303.4	8267.7	8284.3	8391.4	8484.2	8427.1	8303.4	8174.9	8122.5	8136.8	8151.1
22.5°	8486.5	8469.9	8519.9	8569.8	8503.2	8303.4	8074.9	7901.3	7837.0	7832.3	7837.0
25°	8700.7	8698.3	8760.2	8669.7	8374.7	8006.0	7699.0	7530.1	7494.4	7523.0	7570.6
27.5°	8967.1	8993.3	9024.2	8693.5	8113.0	7556.3	7244.6	7128.0	7163.7	7232.7	7277.9
30°	9307.4	9378.7	9312.1	8634.1	7737.1	7042.4	6745.0	6711.7	6809.2	6906.8	6954.4
32.5°	9638.1	9749.9	9588.1	8479.4	7251.8	6497.6	6266.8	6257.3	6376.2	6471.4	6538.0
35°	9904.5	10125.8	9795.1	8172.5	6690.3	5995.5	5826.6	5762.4	5805.2	5917.0	5993.2
37.5°	10251.9	10620.7	9937.8	7703.8	6081.2	5581.6	5384.1	5236.6	5198.5	5243.7	5281.8
40°	10887.1	11374.9	10004.5	7049.5	5486.4	5167.6	4967.7	4751.2	4601.3	4491.9	4494.3
42.5°	11924.5	12357.5	9961.6	6254.9	4936.8	4763.1	4537.1	4287.3	4044.6	3797.2	3778.1
45°	13608.9	13818.3	9833.2	5412.6	4453.8	4339.6	4127.9	3878.1	3554.5	3273.8	3247.6
47.5°	16304.5	15840.6	9633.3	4677.5	4028.0	3980.4	3785.3	3497.4	3154.8	2928.8	2909.7
50°	19980.4	18759.9	9535.8	4092.2	3652.0	3666.3	3506.9	3202.4	2878.8	2712.3	2693.2
52.5°	24377.1	22159.7	9723.7	3640.2	3349.9	3399.9	3280.9	2995.4	2724.2	2593.3	2574.3
55°	28938.0	25680.9	9926.0	3311.8	3064.4	3161.9	3121.5	2885.9	2640.9	2519.6	2502.9
57.5°	32842.2	28309.9	9521.5	3045.4	2809.8	2962.1	2997.8	2817.0	2598.1	2488.6	2469.6
60°	35299.9	29368.6	8460.4	2795.5	2607.6	2802.7	2926.4	2797.9	2614.7	2605.2	2590.9
62.5°	36465.7	29275.9	6868.7	2598.1	2481.5	2733.7	2978.7	2905.0	2805.1	2890.7	2897.8
65°	35942.3	27876.9	5115.2	2467.2	2391.1	2759.9	3135.8	3107.2	2859.8	2945.4	2957.3
67.5°	32497.3	24538.9	3787.7	2353.0	2291.2	2833.6	3421.3	3173.8	2752.7	2814.6	2776.5
70°	26266.2	19454.6	2921.6	2224.5	2188.8	2824.1	3549.7	3133.4	2636.1	2650.4	2548.1
72.5°	18112.7	13266.3	2376.8	2105.6	2041.3	2574.3	3459.3	3033.5	2538.6	2429.1	2293.5
75°	9849.8	7120.9	2019.9	1981.9	1782.0	2260.2	3292.8	2962.1	2450.6	2305.4	2229.3
77.5°	3875.7	2954.9	1753.5	1812.9	1558.4	1996.1	3107.2	2826.5	2329.2	2138.9	2100.8
80°	1582.2	1508.4	1453.7	1567.9	1339.5	1746.3	2883.6	2667.1	2184.1	1984.2	1908.1
82.5°	897.0	937.4	1130.1	1237.2	1087.3	1608.3	2776.5	2538.6	2010.4	1777.3	1686.8
85°	459.2	549.6	787.5	887.4	799.4	1368.0	2557.6	2222.2	1613.1	1360.9	1368.0
87.5°	221.3	306.9	497.2	556.7	518.7	989.7	1910.5	1610.7	1256.2	994.5	963.6
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)