

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: P317740

Luminaire Tested: **GAN-SA6D-730-U-T3R**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P317740
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-10)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA6D-730-U-T3R
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
ROADWAY OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 43210 lumens
Efficiency: N/A
Efficacy: 113.1 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Medium
BUG Rating: B3 - U0 - G5

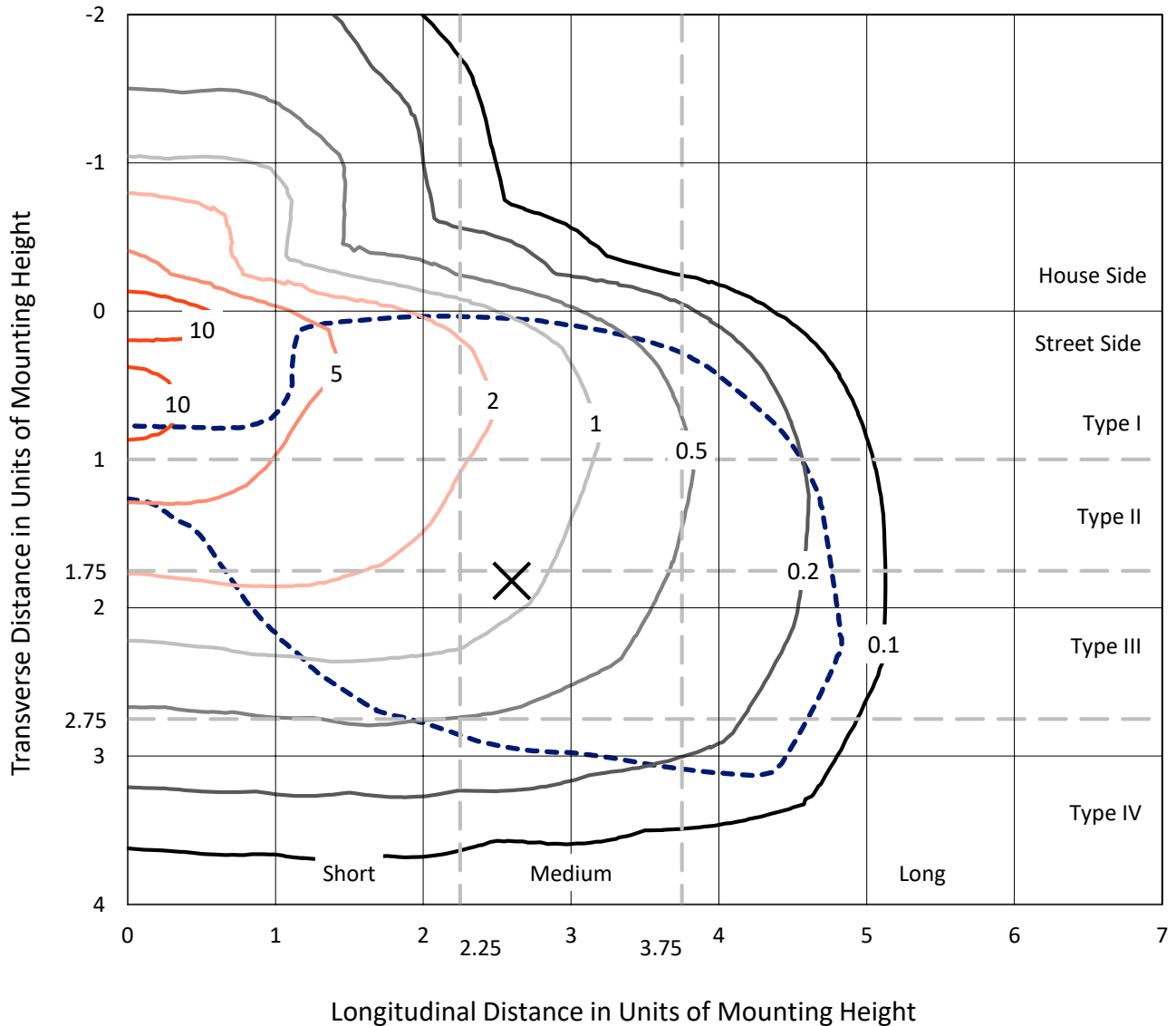
Input Watts (W): 382
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

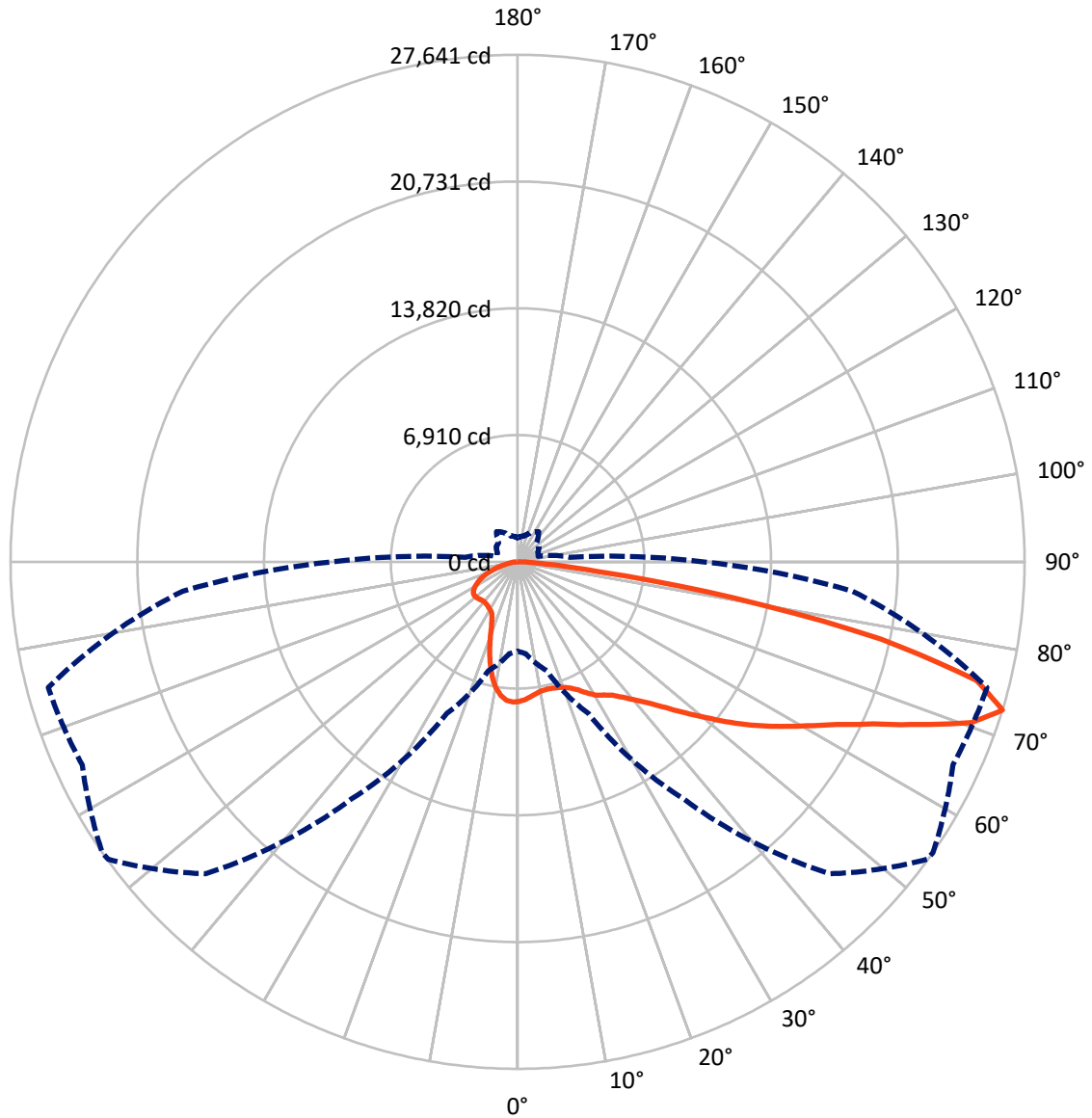
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 12.3 fc
 Type IV - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 55-Deg Lateral - - - Horizontal Cone Through 72.5-Deg Vertical

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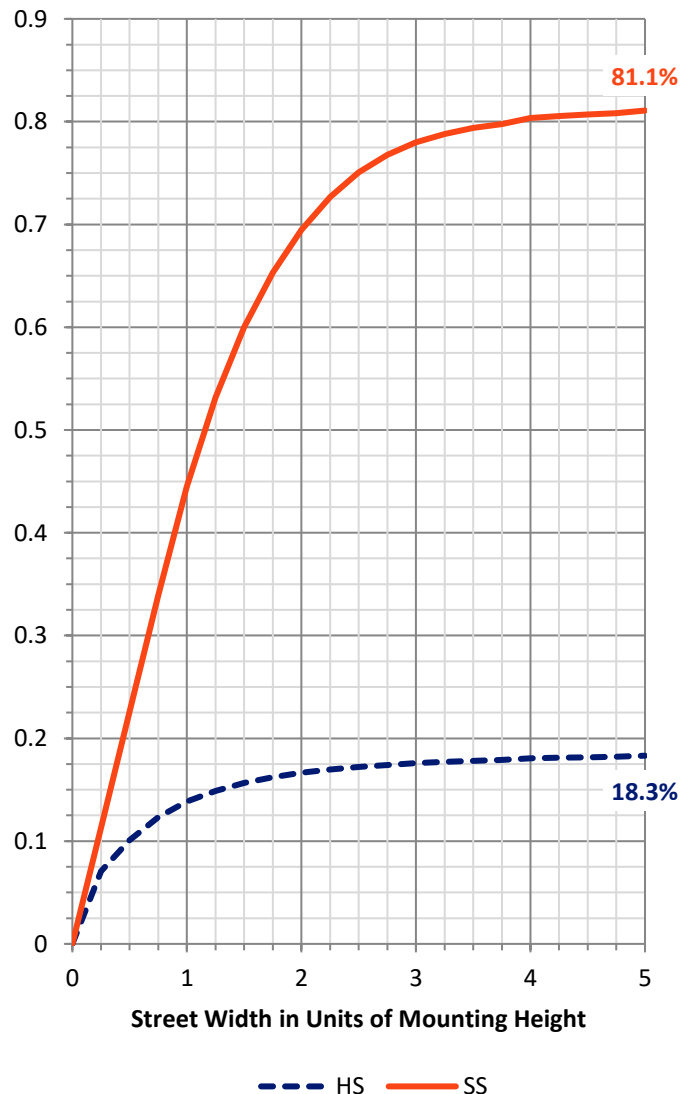
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	8031.3	0.0	8031.3
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	35178.7	0.0	35178.7
	% Fixture	81.4	0.0	81.4
Total	Lumens	43210.0	0.0	43210.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	689.6	1.6
10°-20°	1836.1	4.2
20°-30°	3027.2	7.0
30°-40°	4478.0	10.4
40°-50°	6250.4	14.5
50°-60°	8138.2	18.8
60°-70°	10001.6	23.1
70°-80°	7840.1	18.1
80°-90°	948.8	2.2
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°	43210.0	100.0
0°-180°	43210.0	100.0

Coefficient of Utilization

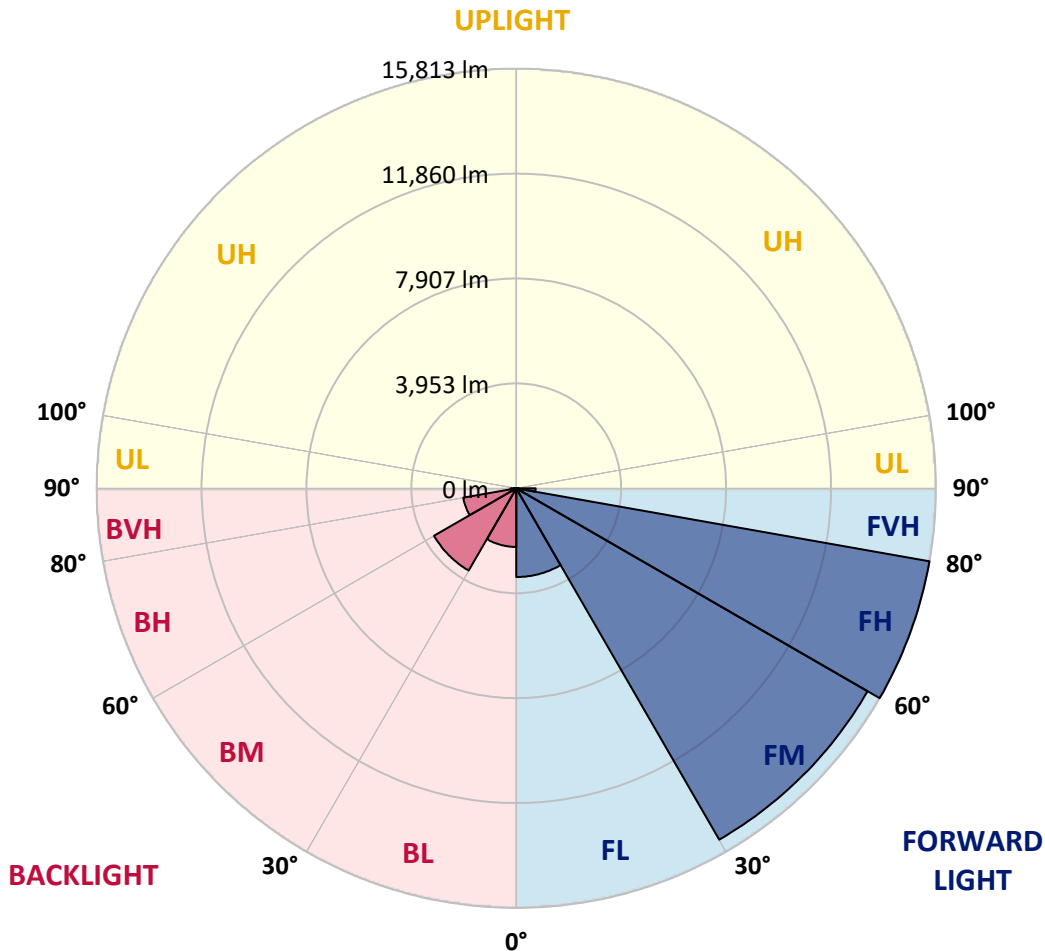


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	3343.2	7.7			
FM (30°-60°)	15288.5	35.4			
FH (60°-80°)	15813.4	36.6			G5
FVH (80°-90°)	733.5	1.7			G4/750
BL (0°-30°)	2209.8	5.1	B3/2500		
BM (30°-60°)	3578.1	8.3	B3/5000		
BH (60°-80°)	2028.3	4.7	B3/2500		G3/2500
BVH (80°-90°)	215.2	0.5			G2/225
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 Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3
2.5°	7373.2	7355.7	7377.6	7408.2	7441.8	7487.0	7513.3	7525.0	7570.2	7587.7	7625.7
5°	7031.7	7022.9	7059.4	7112.0	7186.4	7291.5	7376.1	7392.2	7511.9	7596.5	7673.9
7.5°	6783.6	6783.6	6825.9	6888.7	6971.9	7113.4	7233.1	7255.0	7457.9	7640.3	7783.3
10°	6586.6	6593.9	6643.5	6717.9	6815.7	6966.0	7125.1	7149.9	7443.3	7742.4	7970.1
12.5°	6455.2	6472.7	6518.0	6585.1	6706.2	6888.7	7090.1	7123.6	7473.9	7888.4	8194.9
15°	6538.4	6567.6	6572.0	6599.7	6666.8	6865.3	7110.5	7145.5	7539.6	8037.3	8450.3
17.5°	6903.3	6913.5	6868.2	6809.9	6777.7	6904.7	7171.8	7208.3	7618.4	8184.7	8695.5
20°	7457.9	7452.0	7354.2	7196.6	7033.2	7053.6	7272.5	7310.4	7724.9	8314.6	8940.7
22.5°	8158.4	8138.0	7987.6	7697.2	7418.4	7301.7	7449.1	7481.2	7885.5	8499.9	9203.4
25°	9007.8	8962.6	8764.1	8374.4	7964.3	7663.6	7714.7	7745.4	8119.0	8707.2	9444.2
27.5°	9903.9	9858.7	9606.2	9134.8	8588.9	8120.5	8081.0	8107.3	8384.6	8860.4	9622.2
30°	10840.9	10792.7	10562.1	10033.8	9251.5	8593.3	8422.6	8432.8	8571.4	8943.6	9768.2
32.5°	11782.2	11737.0	11478.7	10865.7	9971.0	9101.2	8669.2	8656.1	8683.8	9029.7	9933.1
35°	12736.7	12754.2	12452.1	11773.5	10767.9	9666.0	8961.1	8933.4	8872.1	9206.3	10166.6
37.5°	13758.4	13746.7	13355.5	12646.2	11601.3	10279.0	9380.0	9375.6	9164.0	9540.5	10532.9
40°	14441.4	14448.7	14210.8	13539.4	12443.4	10957.6	9917.0	9906.8	9629.5	10041.1	11013.1
42.5°	14708.5	14756.6	14817.9	14391.8	13324.9	11744.3	10557.8	10543.2	10279.0	10759.2	11577.9
45°	14727.4	14823.8	15203.2	15149.2	14218.1	12644.8	11376.5	11335.6	11145.9	11713.6	12252.2
47.5°	14564.0	14663.2	15293.7	15600.2	15016.4	13594.9	12333.9	12301.8	12138.4	12907.5	12981.9
50°	14206.4	14301.3	15106.9	15820.6	15673.2	14508.5	13437.3	13352.6	13265.1	14286.7	13816.7
52.5°	13536.5	13718.9	14857.3	15873.1	16065.8	15320.0	14597.5	14542.1	14590.2	15741.8	14653.0
55°	11950.1	12154.4	14213.7	15829.3	16356.2	16001.5	15757.8	15754.9	16004.5	17268.4	15550.6
57.5°	11061.3	11205.8	12903.1	15754.9	16700.6	16678.7	16906.4	16934.1	17420.1	18930.7	16490.5
60°	10559.2	10711.0	12239.1	15479.1	17234.8	17554.4	18078.4	18133.8	18859.2	20771.1	17621.6
62.5°	10102.4	10268.8	11827.5	14917.2	17863.8	18806.6	19482.4	19532.0	20382.9	22662.5	18714.7
65°	9321.6	9509.9	11224.7	14547.9	18435.9	20439.8	21267.3	21300.9	22132.8	24644.5	19551.0
67.5°	8218.2	8390.5	10087.8	13732.1	18859.2	22423.2	23640.4	23659.4	23868.1	26044.1	19978.6
70°	6929.5	6995.2	8467.8	12047.9	18358.6	24278.2	26241.1	26245.5	25450.1	26940.2	19908.5
72.5°	4868.8	5023.5	6147.3	9120.2	15776.8	24051.9	27591.1	27640.8	26185.7	26487.8	18317.7
75°	2986.1	3149.5	3855.9	5527.0	10009.0	18916.1	25492.4	25836.9	24806.5	23617.0	14963.9
77.5°	1996.5	2057.8	2516.1	3222.5	4534.6	10883.2	19599.1	20247.1	20607.6	17223.1	9569.7
80°	1113.6	1230.3	1668.2	2002.4	2017.0	4324.4	11751.6	11903.4	11465.5	6858.0	2952.5
82.5°	589.6	653.8	1113.6	1176.3	1100.4	1447.8	4379.8	4384.2	3663.3	1838.9	877.1
85°	456.8	510.8	763.3	718.1	561.9	642.2	1444.9	1523.7	1246.4	753.1	286.1
87.5°	227.7	283.1	518.1	455.4	220.4	183.9	516.6	551.7	491.8	294.8	103.6
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°	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3	7621.3
2.5°	7640.3	7653.4	7669.5	7652.0	7646.1	7622.8	7583.4	7574.6	7554.2	7555.6	7567.3
5°	7707.4	7729.3	7720.6	7653.4	7573.2	7460.8	7344.0	7244.8	7179.1	7174.7	7170.3
7.5°	7835.9	7850.4	7781.9	7590.7	7365.9	7106.1	6860.9	6646.4	6516.5	6484.4	6477.1
10°	8037.3	8034.3	7846.1	7460.8	7012.7	6548.6	6154.6	5856.8	5683.1	5632.1	5618.9
12.5°	8262.0	8228.5	7868.0	7224.3	6513.6	5870.0	5370.8	5039.5	4858.6	4800.2	4785.6
15°	8494.1	8410.9	7814.0	6871.2	5900.6	5138.8	4614.8	4308.3	4210.5	4178.4	4172.6
17.5°	8710.1	8549.5	7659.3	6392.4	5201.5	4410.5	4001.8	3879.3	3902.6	3944.9	3946.4
20°	8921.7	8642.9	7411.2	5788.2	4464.5	3810.7	3672.0	3762.5	3873.4	3959.5	3971.2
22.5°	9130.4	8708.6	7091.5	5090.6	3804.8	3473.5	3571.3	3736.2	3863.2	3956.6	3972.7
25°	9305.5	8724.7	6650.8	4346.3	3346.5	3346.5	3523.1	3679.3	3804.8	3896.8	3912.8
27.5°	9369.8	8616.7	6029.0	3657.4	3116.0	3288.2	3456.0	3585.9	3692.4	3790.2	3807.7
30°	9394.6	8416.7	5311.0	3104.3	3021.1	3225.4	3365.5	3476.4	3577.1	3669.1	3685.1
32.5°	9398.9	8175.9	4549.1	2790.5	2955.4	3159.7	3253.1	3350.9	3458.9	3495.4	3501.3
35°	9426.7	7891.3	3746.4	2630.0	2894.1	3098.4	3172.9	3242.9	3067.8	3080.9	3092.6
37.5°	9506.9	7609.6	3075.1	2539.5	2854.7	3066.3	3155.4	2901.4	2764.2	2732.1	2727.7
40°	9657.3	7309.0	2577.4	2466.5	2840.1	3082.4	3043.0	2708.8	2472.3	2295.7	2269.5
42.5°	9866.0	6985.0	2259.2	2418.3	2850.3	3159.7	2886.8	2523.4	2130.8	2017.0	2002.4
45°	10100.9	6644.9	2087.0	2384.8	2885.4	3219.6	2854.7	2276.8	1971.7	1885.6	1878.3
47.5°	10328.6	6229.0	1998.0	2370.2	2933.5	3171.4	2719.0	2200.9	1895.8	1850.6	1855.0
50°	10589.9	5853.9	1944.0	2354.1	2975.8	3140.8	2565.7	2161.5	1866.7	1922.1	1980.5
52.5°	10810.2	5465.7	1895.8	2322.0	2991.9	3086.8	2526.3	2168.8	1866.7	1973.2	2028.7
55°	11071.5	5172.3	1840.4	2254.9	2961.2	2933.5	2498.6	2212.5	1888.5	1821.4	1827.2
57.5°	11408.6	5076.0	1779.1	2149.8	2859.1	2710.2	2485.5	2254.9	1875.4	1833.1	1847.7
60°	11875.6	5178.2	1754.3	2012.6	2700.0	2535.1	2486.9	2233.0	1783.5	1710.5	1711.9
62.5°	12320.8	5292.0	1752.8	1926.5	2504.4	2378.9	2453.4	2161.5	1736.8	1694.4	1710.5
65°	12466.7	5176.7	1682.8	1830.2	2284.1	2192.1	2392.1	2085.6	1701.7	1637.5	1634.6
67.5°	12271.2	4819.1	1541.2	1674.0	2031.6	1974.7	2311.8	1995.1	1646.3	1593.7	1585.0
70°	11690.3	4020.8	1366.1	1468.2	1744.1	1729.5	2184.8	1890.0	1571.8	1526.6	1488.7
72.5°	10127.2	2864.9	1151.5	1221.6	1420.1	1466.8	2009.7	1752.8	1466.8	1369.0	1310.6
75°	8317.5	2120.6	945.7	960.3	1078.5	1205.5	1768.9	1592.3	1342.7	1176.3	1131.1
77.5°	5093.5	1297.5	753.1	758.9	773.5	961.8	1456.5	1412.8	1185.1	980.8	948.7
80°	1649.2	707.8	544.4	572.1	528.3	704.9	1126.7	1202.6	1017.2	820.2	785.2
82.5°	627.6	413.0	367.8	386.8	366.3	472.9	821.7	963.2	833.4	674.3	548.8
85°	303.6	233.5	217.5	243.7	226.2	242.3	525.4	709.3	631.9	439.3	408.6
87.5°	108.0	103.6	83.2	112.4	96.3	86.1	160.5	357.6	417.4	302.1	270.0
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)