

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: P531846

Luminaire Tested: **GLAN-SA7A-830-U-SL2-GRSWH**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P531846
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-18)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA7A-830-U-SL2-GRSWH
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH WHITE GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 21453 lumens
Efficiency: N/A
Efficacy: 99.8 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')
IES Classification: Type II - Short
BUG Rating: B3 - U0 - G3

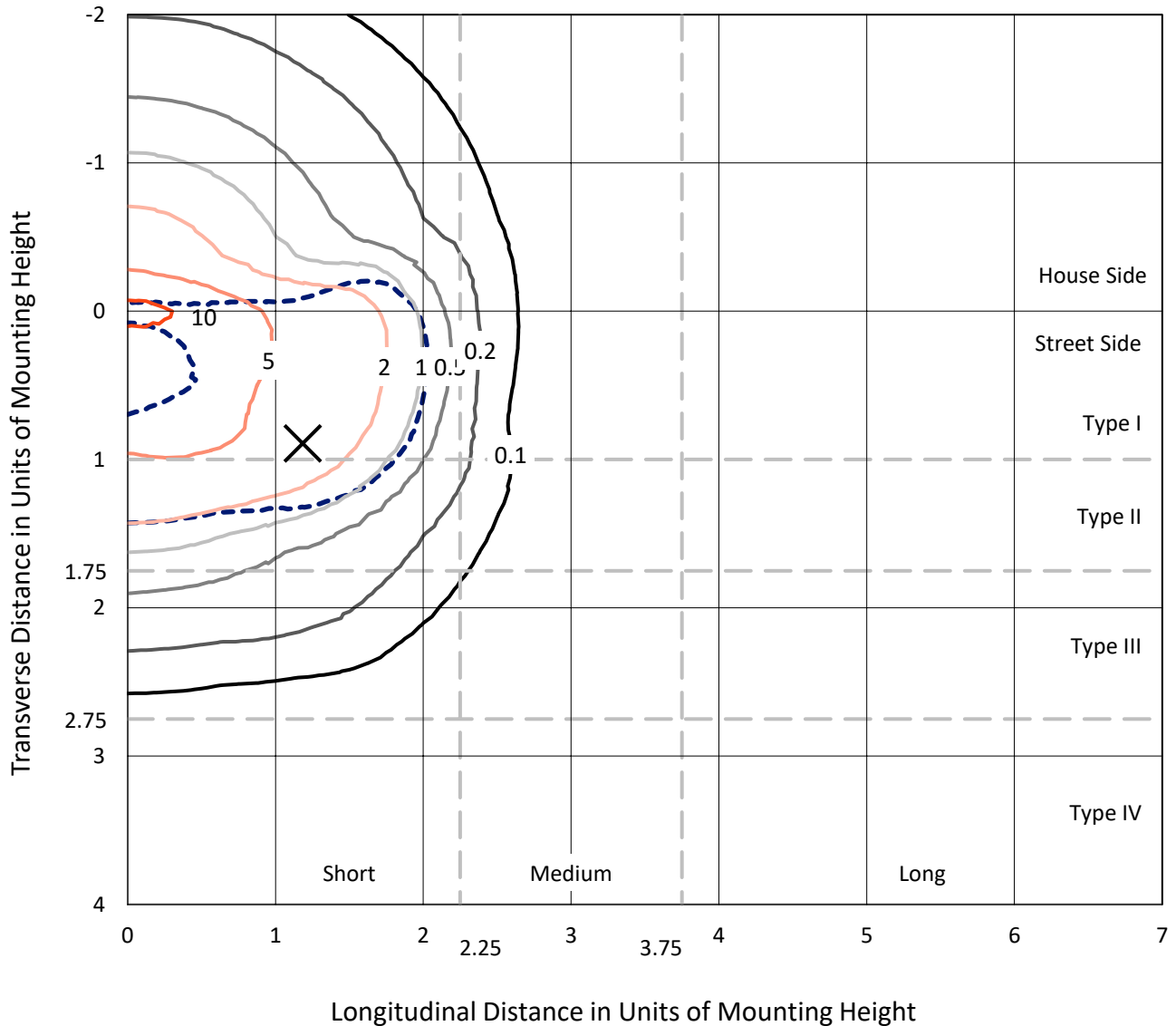
Input Watts (W): 215
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

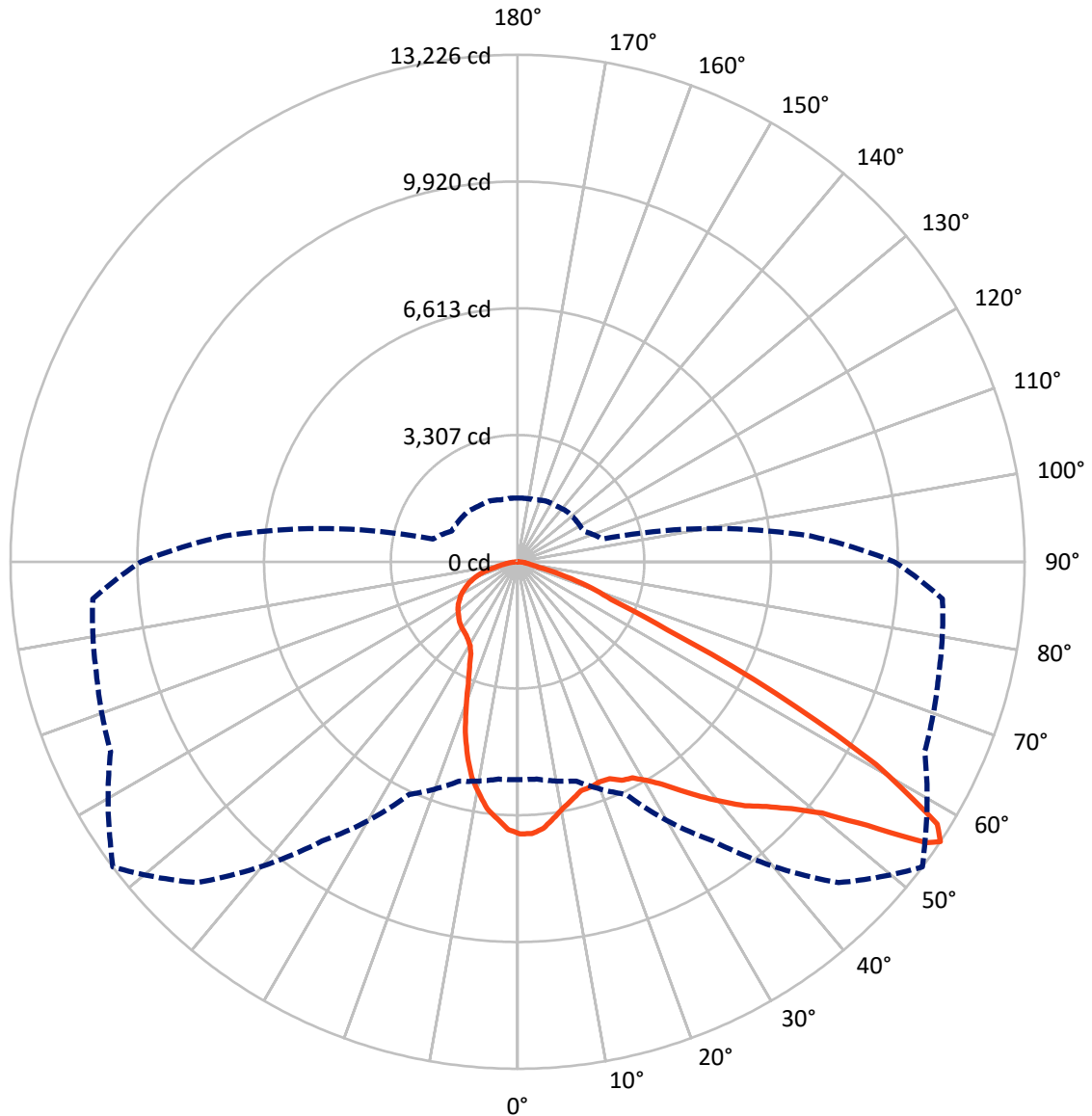
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 11.4 fc
 Type II - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 56-Deg Vertical

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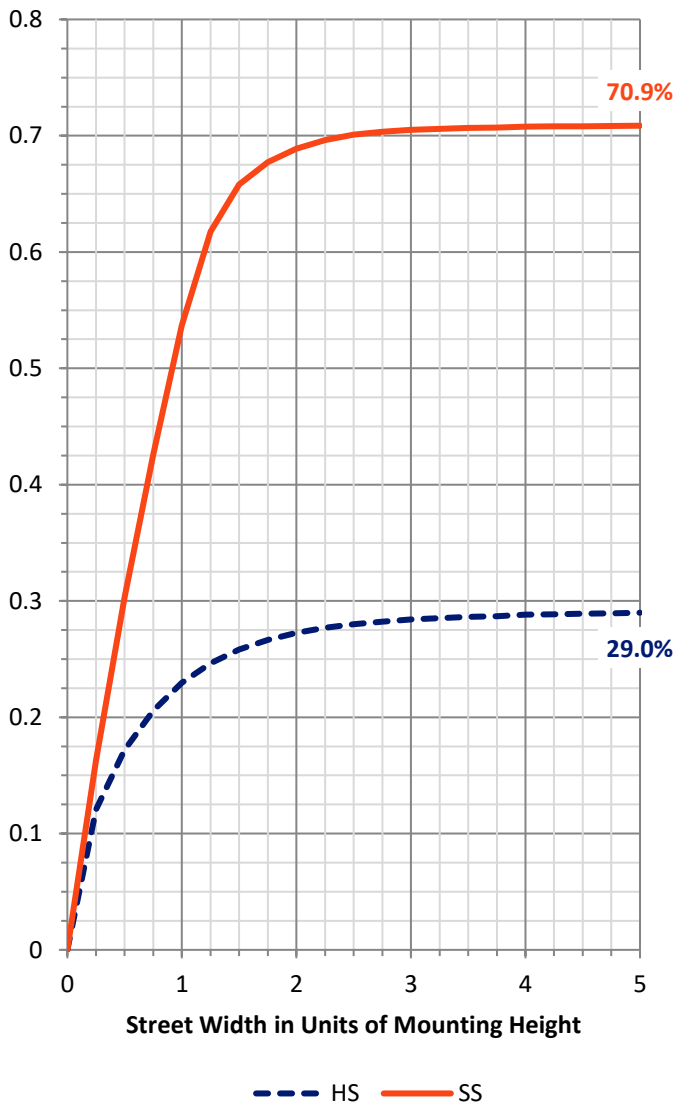
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6260.4	0.0	6260.4
	% Fixture	29.2	0.0	29.2
Street Side	Lumens	15192.6	0.0	15192.6
	% Fixture	70.8	0.0	70.8
Total	Lumens	21453.0	0.0	21453.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	628.3	2.9
10°-20°	1569.3	7.3
20°-30°	2314.1	10.8
30°-40°	3306.4	15.4
40°-50°	4550.7	21.2
50°-60°	5377.8	25.1
60°-70°	2866.0	13.4
70°-80°	727.1	3.4
80°-90°	113.4	0.5
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°	21453.0	100.0
0°-180°	21453.0	100.0



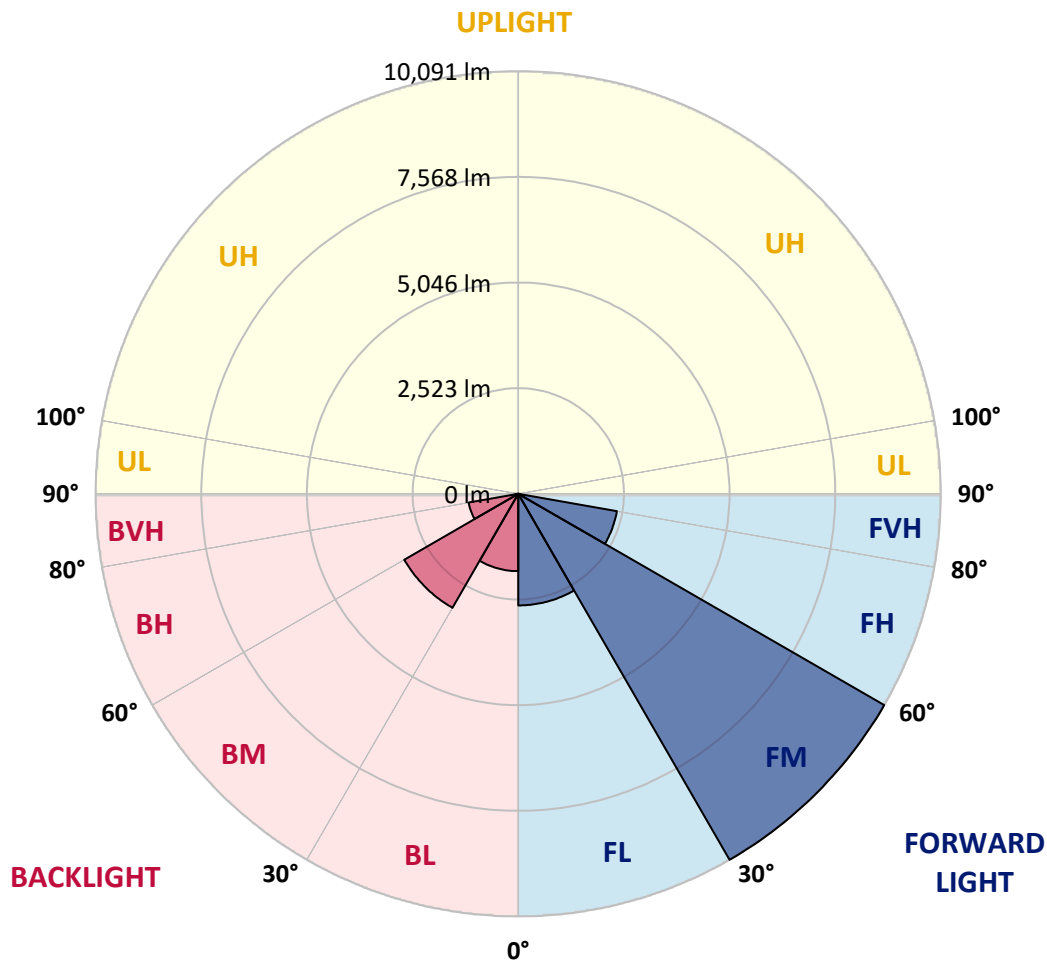
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2665.2	12.4			
FM (30°-60°)	10091.1	47.0			
FH (60°-80°)	2390.7	11.1			G2/5000
FVH (80°-90°)	45.6	0.2			G1/100
BL (0°-30°)	1846.5	8.6	B3/2500		
BM (30°-60°)	3143.8	14.7	B3/5000		
BH (60°-80°)	1202.4	5.6	B3/2500		G3/2500
BVH (80°-90°)	67.8	0.3			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G3

Type II Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5
2.5°	7009.4	6948.9	6984.7	6970.9	7083.7	7116.8	7100.2	7114.0	7177.3	7147.0	7083.7
5°	6549.8	6635.2	6651.7	6692.9	6759.0	6888.3	6990.2	7017.7	7048.0	7188.3	7174.6
7.5°	6131.5	6189.3	6159.1	6280.1	6423.2	6632.4	6756.2	6778.3	7056.2	7133.3	7191.1
10°	5867.3	5809.5	5947.1	5980.2	6142.5	6382.0	6530.6	6621.4	6874.6	7180.1	7215.8
12.5°	5622.4	5603.1	5685.7	5779.3	5960.9	6208.6	6360.0	6395.7	6786.5	7108.5	7276.4
15°	5440.8	5418.8	5501.3	5570.1	5782.0	6002.2	6194.8	6296.7	6690.2	7067.2	7224.1
17.5°	5297.7	5294.9	5341.7	5465.5	5683.0	5867.3	6178.3	6183.8	6640.7	7130.5	7268.1
20°	5289.4	5286.7	5294.9	5432.5	5630.7	5856.3	6126.0	6175.6	6640.7	7086.5	7270.9
22.5°	5358.2	5314.2	5363.7	5451.8	5594.9	5875.6	6145.3	6255.4	6800.3	7303.9	7394.7
25°	5468.3	5479.3	5506.8	5537.1	5619.7	5919.6	6315.9	6406.7	6987.4	7491.0	7565.3
27.5°	5669.2	5663.7	5674.7	5691.2	5762.8	5960.9	6384.7	6618.6	7378.2	7824.0	7749.7
30°	5963.7	5944.4	5988.4	6046.2	5980.2	6093.0	6613.1	6789.3	7741.5	8159.8	7956.1
32.5°	6230.6	6302.2	6384.7	6409.5	6329.7	6351.7	6915.9	7094.7	8044.2	8572.6	8209.3
35°	6563.6	6621.4	6731.5	6808.5	6794.8	6728.7	7328.7	7565.3	8481.8	8875.3	8476.3
37.5°	6888.3	6957.1	7138.8	7367.2	7240.6	7210.3	7769.0	7964.4	8616.6	9037.7	8671.7
40°	7411.2	7408.5	7722.2	7840.5	7953.4	7901.1	8225.8	8291.9	8688.2	9001.9	8677.2
42.5°	8024.9	7986.4	8305.6	8490.0	8635.9	8641.4	8701.9	8679.9	8721.2	8820.3	8619.4
45°	8608.4	8690.9	9012.9	9343.2	9489.0	9505.5	9103.7	9062.5	8779.0	8768.0	8509.3
47.5°	9321.1	9340.4	9604.6	10039.4	10377.9	10262.3	9623.9	9533.0	9032.2	9117.5	8693.7
50°	9362.4	9505.5	9742.2	10254.1	11294.4	11264.1	10298.1	10127.5	9439.5	9612.9	9208.3
52.5°	8498.3	8465.3	8746.0	9582.6	11225.6	12260.3	11415.4	11008.1	10314.6	10182.5	10042.2
55°	6475.5	6552.6	6800.3	7645.2	9747.7	12274.1	12937.3	12604.3	11250.3	11024.7	10862.3
56°	5680.2	5691.2	5925.1	6695.7	8894.6	11836.5	13226.3	12956.6	11715.4	11371.4	11123.7
57.5°	4708.7	4645.4	4766.5	5187.6	7507.6	10911.8	12909.8	13174.0	12260.3	11745.7	11401.7
60°	3707.0	3693.2	3643.7	3720.8	4744.5	8220.3	10746.7	11341.1	12205.3	11393.4	10920.1
62.5°	3027.2	2958.4	3057.5	3167.6	3296.9	5099.5	7551.6	7901.1	9689.9	9095.5	8203.8
65°	2347.5	2314.5	2438.3	2796.1	2873.1	3239.1	4301.4	4571.1	5721.5	5619.7	4948.2
67.5°	1615.4	1620.9	1728.3	2273.2	2664.0	2630.9	2633.7	2774.1	2986.0	2218.1	1931.9
70°	1023.8	1021.0	1078.8	1464.1	2143.8	2165.9	2055.8	2014.5	1909.9	1155.9	1224.7
72.5°	657.7	638.5	668.7	809.1	1109.1	1282.4	1321.0	1345.7	1106.3	908.2	985.2
75°	371.5	352.3	341.3	377.0	437.6	506.4	555.9	572.4	641.2	688.0	729.3
77.5°	112.8	101.8	123.8	165.1	217.4	291.7	355.0	366.0	432.1	487.1	528.4
80°	49.5	55.0	77.1	110.1	154.1	206.4	250.4	266.9	311.0	352.3	363.3
82.5°	30.3	33.0	52.3	74.3	107.3	145.9	178.9	184.4	228.4	261.4	269.7
85°	11.0	13.8	27.5	44.0	68.8	93.6	93.6	101.8	93.6	93.6	101.8
87.5°	0.0	0.0	2.8	5.5	5.5	8.3	11.0	11.0	13.8	16.5	19.3
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°	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5	7097.5
2.5°	7116.8	7103.0	7081.0	7001.2	6992.9	6968.2	6830.6	6808.5	6830.6	6764.5	6770.0
5°	7103.0	7144.3	6979.2	6899.4	6750.7	6643.4	6519.6	6456.3	6343.4	6271.9	6351.7
7.5°	7163.5	7147.0	6940.6	6767.3	6544.3	6271.9	6054.5	5930.6	5732.5	5677.4	5718.7
10°	7141.5	7053.5	6811.3	6582.9	6161.8	5922.4	5570.1	5228.9	5041.7	4945.4	4931.6
12.5°	7111.3	7086.5	6681.9	6288.4	5845.3	5341.7	4846.3	4524.3	4218.9	4086.8	4106.0
15°	7147.0	6937.9	6439.8	5941.6	5352.7	4692.2	4158.3	3742.8	3530.9	3445.5	3445.5
17.5°	7130.5	6866.3	6324.2	5553.6	4807.8	4026.2	3440.0	3189.6	3101.5	3101.5	3126.3
20°	7138.8	6913.1	6090.3	5165.6	4163.8	3390.5	2963.9	2873.1	2911.7	2925.4	2939.2
22.5°	7185.6	6759.0	5861.8	4739.0	3566.6	2900.6	2691.5	2694.2	2763.0	2837.3	2823.6
25°	7243.4	6698.5	5583.9	4315.2	3109.8	2661.2	2595.2	2586.9	2639.2	2677.7	2683.2
27.5°	7193.8	6593.9	5300.4	3786.8	2735.5	2501.6	2487.8	2493.3	2509.9	2586.9	2562.1
30°	7356.2	6624.1	4945.4	3343.7	2529.1	2449.3	2432.8	2424.5	2449.3	2471.3	2452.1
32.5°	7557.1	6516.8	4681.2	2917.2	2427.3	2410.8	2377.8	2366.7	2380.5	2358.5	2369.5
35°	7645.2	6497.6	4337.2	2611.7	2347.5	2333.7	2314.5	2311.7	2314.5	2295.2	2278.7
37.5°	7694.7	6588.4	3943.7	2471.3	2297.9	2311.7	2267.7	2262.2	2212.6	2223.6	2231.9
40°	7780.0	6448.0	3624.4	2336.5	2267.7	2240.2	2201.6	2193.4	2160.3	2141.1	2160.3
42.5°	7656.2	6406.7	3310.7	2278.7	2223.6	2193.4	2165.9	2119.1	2108.1	2091.5	2080.5
45°	7557.1	6170.1	3030.0	2207.1	2171.4	2154.8	2102.6	2053.0	2011.7	2028.2	2003.5
47.5°	7631.4	6087.5	2752.0	2146.6	2099.8	2080.5	2028.2	1989.7	1948.4	1929.2	1923.7
50°	7928.6	6241.6	2518.1	2102.6	2039.3	2028.2	1959.4	1915.4	1876.9	1863.1	1868.6
52.5°	8638.6	6662.7	2358.5	2011.7	1981.5	1931.9	1893.4	1838.4	1813.6	1769.6	1797.1
55°	9538.6	7347.9	2317.2	1926.4	1909.9	1865.9	1813.6	1772.3	1725.5	1689.7	1681.5
56°	9827.5	7675.4	2284.2	1893.4	1865.9	1841.1	1772.3	1747.5	1673.2	1665.0	1659.5
57.5°	10061.4	7964.4	2289.7	1830.1	1802.6	1780.6	1739.3	1678.7	1629.2	1598.9	1612.7
60°	9533.0	7455.3	2185.1	1733.8	1728.3	1687.0	1629.2	1601.7	1541.1	1505.4	1497.1
62.5°	7086.5	5061.0	1772.3	1609.9	1607.2	1563.2	1497.1	1466.8	1455.8	1406.3	1406.3
65°	4081.3	3173.1	1532.9	1508.1	1486.1	1442.1	1376.0	1351.2	1323.7	1307.2	1293.5
67.5°	1742.0	1645.7	1392.5	1389.8	1365.0	1310.0	1243.9	1205.4	1169.6	1136.6	1153.1
70°	1263.2	1282.4	1257.7	1243.9	1213.6	1144.8	1087.1	1040.3	985.2	963.2	979.7
72.5°	1001.7	1043.0	1078.8	1081.5	1045.8	966.0	902.7	839.4	778.8	748.6	762.3
75°	759.6	787.1	822.9	831.1	778.8	723.8	663.2	597.2	550.4	514.6	520.1
77.5°	547.7	542.2	575.2	569.7	544.9	506.4	451.3	390.8	338.5	305.5	308.2
80°	374.3	382.5	401.8	399.0	368.8	344.0	302.7	253.2	214.7	187.1	181.6
82.5°	261.4	275.2	291.7	278.0	253.2	228.4	198.1	162.4	132.1	110.1	104.6
85°	93.6	107.3	123.8	132.1	140.4	134.8	112.8	90.8	66.0	55.0	52.3
87.5°	19.3	22.0	24.8	24.8	24.8	22.0	19.3	19.3	16.5	8.3	8.3
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)