

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: P531847

Luminaire Tested: **GLAN-SA7A-830-U-SL3-GRSBK**

Issue Date: 5/27/2021

**Test Information**

Test Method: LM-79-08  
Report Number: P531847  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-19)  
Test Lab: INNOVATION CENTER  
Issue Date: 5/27/2021  
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)  
Product Line: STREETWORKS  
Catalog Number: GLAN-SA7A-830-U-SL3-GRSBK  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(7) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
SPILL LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 14802 lumens  
Efficiency: N/A  
Efficacy: 68.8 lumens/watt  
Luminous Opening: Rectangular (W 1.5' x L: 1.5' x H: 0')  
IES Classification: Type II - Short  
BUG Rating: B2 - U0 - G1

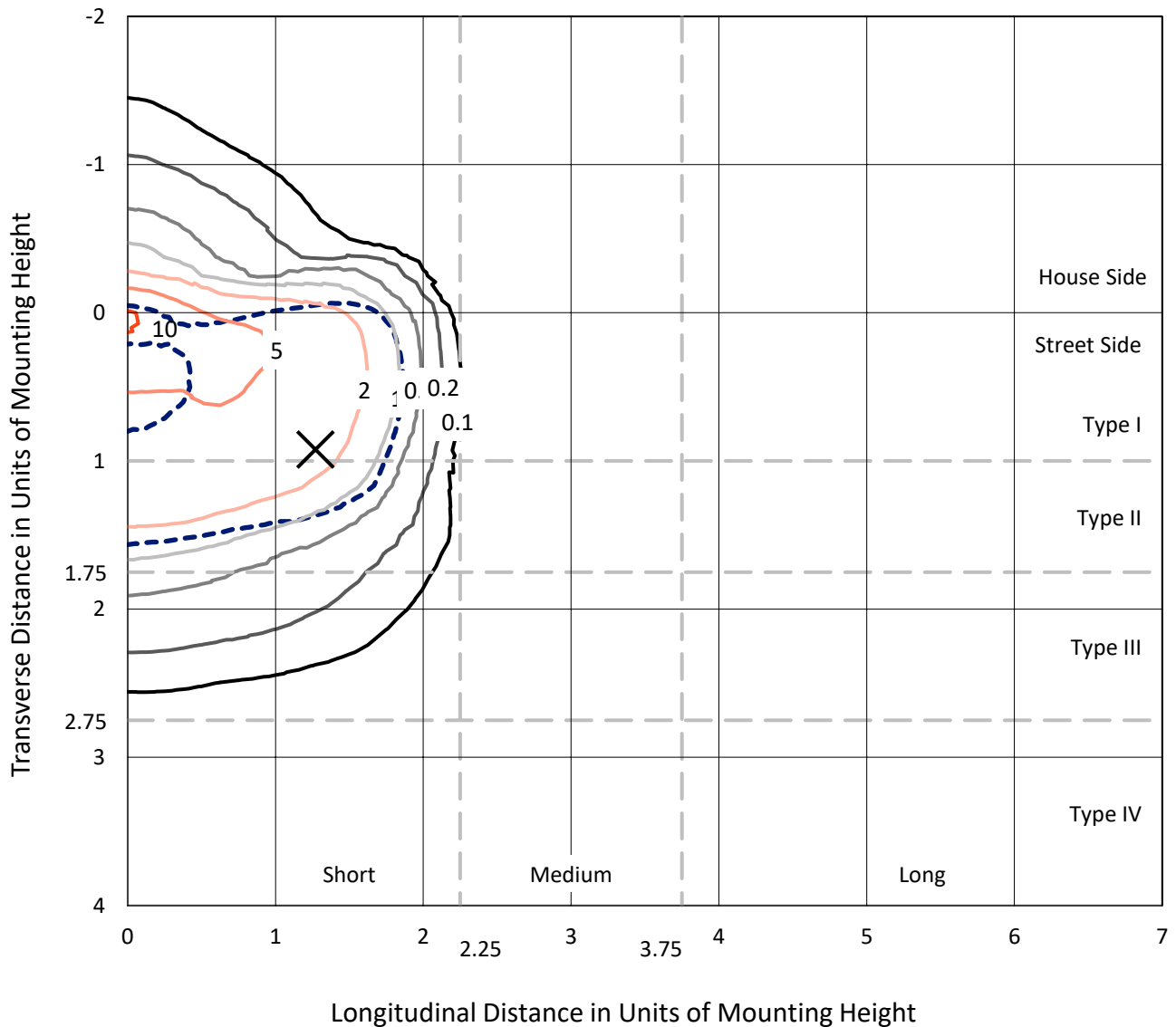
Input Watts (W): 215  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

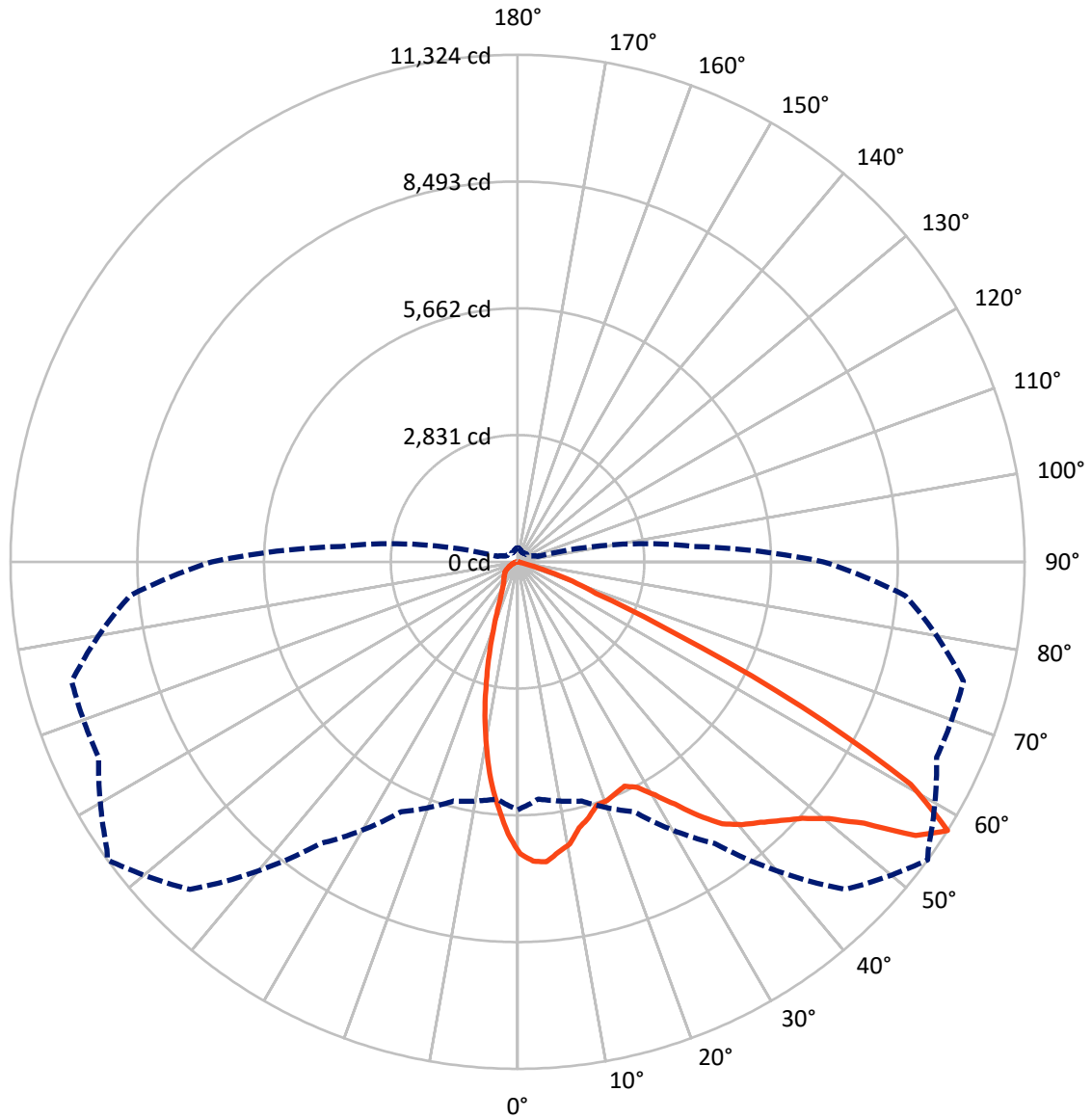
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.4 fc  
 Type II - Short - N/A

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### Luminous Intensity Polar Plot



— Vertical Plane Through 54-Deg Lateral    - - - Horizontal Cone Through 57.5-Deg Vertical

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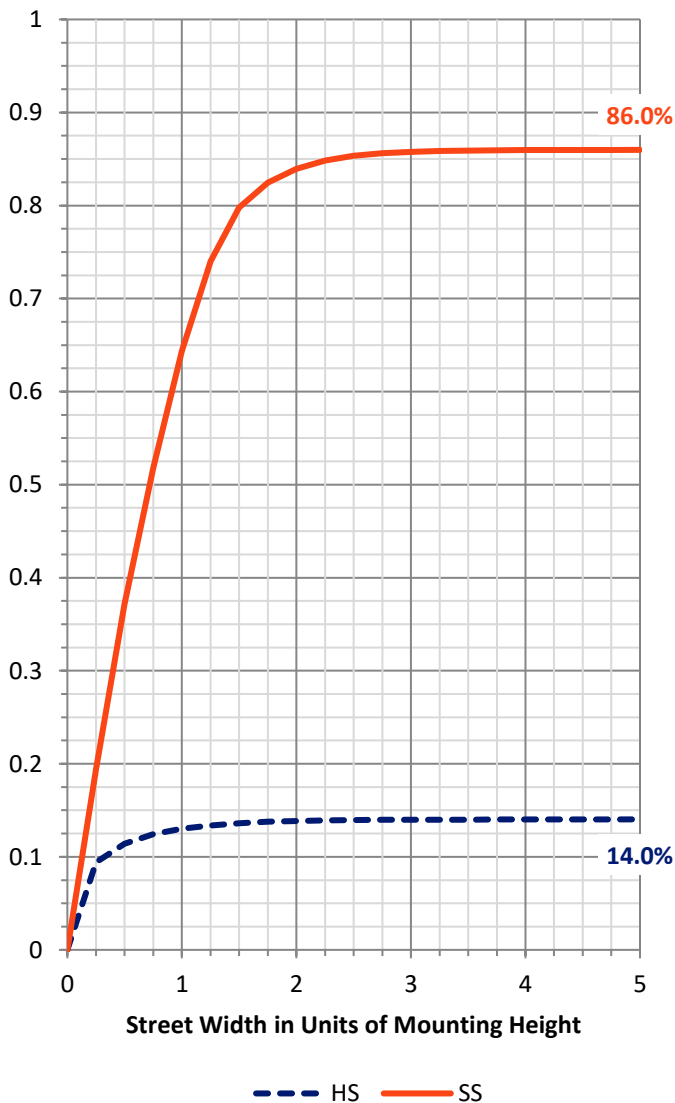
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2091.8	0.0	2091.8
	% Fixture	14.1	0.0	14.1
<b>Street Side</b>	Lumens	12710.2	0.0	12710.2
	% Fixture	85.9	0.0	85.9
<b>Total</b>	Lumens	14802.0	0.0	14802.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	545.6	3.7
10°-20°	1164.9	7.9
20°-30°	1543.8	10.4
30°-40°	2243.6	15.2
40°-50°	3326.9	22.5
50°-60°	4160.1	28.1
60°-70°	1641.0	11.1
70°-80°	163.4	1.1
80°-90°	12.7	0.1
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°	14802.0	100.0
0°-180°	14802.0	100.0

**Coefficient of Utilization**



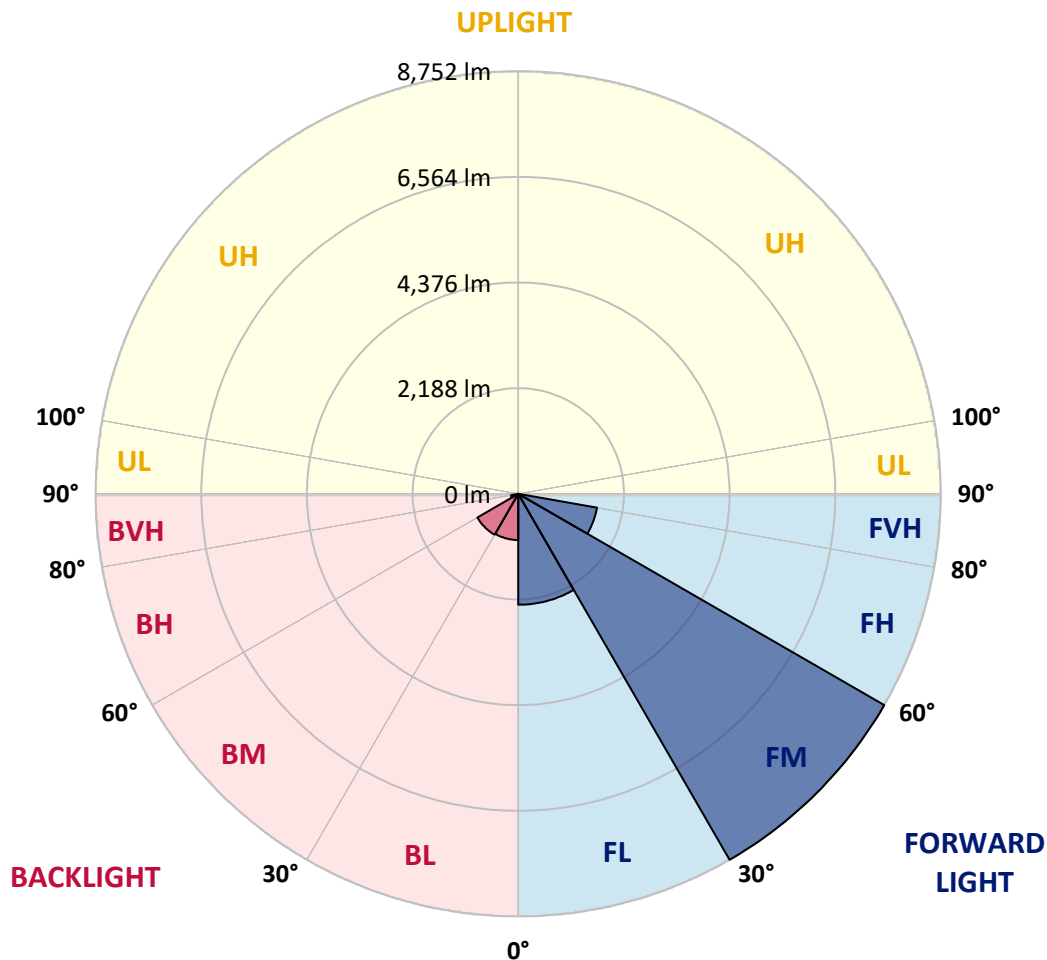
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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2297.7	15.5			
FM (30°-60°)	8752.4	59.1			
FH (60°-80°)	1654.4	11.2			G1/1800
FVH (80°-90°)	5.8	0.0			G0/10
BL (0°-30°)	956.7	6.5	B2/1000		
BM (30°-60°)	978.2	6.6	B1/1000		
BH (60°-80°)	150.0	1.0	B1/500		G1/500
BVH (80°-90°)	6.9	0.0			G0/10
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G1**

Type II Short





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5
2.5°	6900.3	6828.8	6834.3	6809.5	6776.5	6801.2	6693.9	6718.7	6715.9	6570.0	6473.7
5°	6726.9	6804.0	6724.2	6790.2	6726.9	6795.7	6729.7	6680.1	6600.3	6493.0	6314.0
7.5°	6432.4	6358.1	6380.1	6462.7	6476.4	6630.6	6548.0	6611.3	6578.3	6366.3	6121.4
10°	5840.6	5824.1	5934.2	6044.3	6179.2	6344.3	6407.6	6371.8	6347.1	6267.3	5939.7
12.5°	5386.5	5433.3	5430.5	5612.2	5840.6	5934.2	6099.4	6093.9	6231.5	6082.8	5769.1
15°	4954.4	4979.1	5094.7	5207.6	5460.8	5727.8	5931.5	5959.0	6124.1	6019.5	5637.0
17.5°	4690.1	4654.3	4745.2	4880.0	5138.8	5488.3	5714.0	5780.1	6005.8	5983.8	5485.6
20°	4428.6	4428.6	4503.0	4662.6	4899.3	5292.9	5694.8	5675.5	6005.8	5942.5	5323.2
22.5°	4340.6	4384.6	4403.9	4525.0	4805.7	5144.3	5612.2	5648.0	6052.6	5923.2	5251.6
25°	4461.7	4403.9	4409.4	4505.7	4769.9	5072.7	5551.6	5631.4	6137.9	6019.5	5193.8
27.5°	4480.9	4538.7	4555.3	4621.3	4797.5	5094.7	5703.0	5865.4	6349.8	6245.2	5210.3
30°	4648.8	4706.6	4703.9	4816.7	4937.8	5273.6	6041.6	6074.6	6787.5	6528.7	5312.2
32.5°	4852.5	4913.1	4932.3	5064.5	5160.8	5601.2	6454.4	6539.7	7208.6	6974.6	5579.2
35°	5105.7	5083.7	5171.8	5303.9	5510.3	6080.1	6958.1	7101.2	7662.7	7552.6	5854.4
37.5°	5422.3	5394.7	5480.1	5694.8	5975.5	6647.1	7423.3	7516.9	7993.0	8089.4	6363.6
40°	5645.2	5656.2	5914.9	6204.0	6501.2	7186.6	7717.8	7808.6	8224.2	8590.3	6748.9
42.5°	6016.8	6085.6	6396.6	6748.9	7060.0	7591.2	7957.2	8045.3	8331.6	8992.2	7269.1
45°	6556.3	6526.0	6870.0	7263.6	7607.7	8012.3	8240.7	8210.5	8394.9	9391.3	7596.7
47.5°	7249.9	7255.4	7483.8	7819.6	8177.4	8378.4	8557.3	8449.9	8527.0	9812.4	8034.3
50°	7723.3	7764.6	7949.0	8293.0	8471.9	8780.2	9008.7	8942.6	8917.8	10065.6	8309.6
52.5°	7844.4	7968.3	8067.3	8496.7	8915.1	9402.3	9694.0	9834.4	9394.0	10150.9	8659.1
55°	6930.6	7040.7	7390.2	7979.3	9083.0	10387.6	10789.5	10792.2	10016.1	10530.8	8904.1
57.5°	5540.6	5317.7	5532.4	6157.2	7679.2	10346.3	11323.5	11194.1	10327.1	10307.8	8692.1
60°	3831.4	3776.3	3790.1	4037.8	5314.9	8229.7	10090.4	10258.3	9509.6	8934.4	6881.0
62.5°	3035.9	2989.1	2928.6	2901.0	3300.2	5127.8	7117.8	7354.5	6649.8	5793.8	4079.1
65°	2378.1	2350.6	2358.8	2468.9	2466.2	2909.3	3891.9	3795.6	3038.7	2246.0	1282.6
67.5°	1604.7	1645.9	1679.0	2012.0	2182.7	2025.8	1879.9	1824.9	988.1	415.6	283.5
70°	902.8	908.3	944.1	1257.9	1657.0	1571.6	1296.4	1296.4	492.7	151.4	162.4
72.5°	492.7	476.2	443.1	542.2	737.6	748.7	578.0	503.7	145.9	99.1	90.8
75°	239.5	236.7	203.7	167.9	159.6	132.1	101.8	93.6	66.1	63.3	55.0
77.5°	49.5	46.8	24.8	24.8	27.5	30.3	38.5	38.5	46.8	46.8	38.5
80°	0.0	0.0	2.8	11.0	19.3	27.5	33.0	33.0	38.5	38.5	30.3
82.5°	0.0	0.0	2.8	8.3	16.5	24.8	30.3	33.0	38.5	41.3	33.0
85°	0.0	0.0	0.0	5.5	13.8	19.3	16.5	16.5	13.8	11.0	5.5
87.5°	0.0	0.0	0.0	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



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**CANDELA DISTRIBUTION (continued):**

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5	6520.5
2.5°	6424.1	6418.6	6292.0	6220.5	6091.1	5978.3	5887.4	5821.4	5821.4	5780.1	5741.5
5°	6242.5	6195.7	5926.0	5752.6	5507.6	5325.9	5202.1	5105.7	4954.4	4995.6	4833.2
7.5°	6016.8	5898.4	5540.6	5276.4	4937.8	4679.1	4414.9	4180.9	3955.2	3853.4	3908.4
10°	5774.6	5568.1	5086.5	4668.1	4247.0	3773.6	3465.3	3091.0	2859.8	2846.0	2785.4
12.5°	5518.6	5284.6	4698.4	4120.4	3567.1	2997.4	2526.7	2177.2	2020.3	1846.9	1879.9
15°	5325.9	4979.1	4266.2	3569.9	2835.0	2259.7	1786.3	1516.6	1368.0	1326.7	1312.9
17.5°	5116.7	4745.2	3825.9	2983.6	2224.0	1626.7	1285.4	1156.0	1098.2	1098.2	1090.0
20°	4899.3	4480.9	3388.2	2438.6	1668.0	1213.8	1029.4	988.1	985.4	982.6	982.6
22.5°	4756.2	4178.2	2991.9	1937.7	1257.9	971.6	894.5	878.0	889.0	922.1	922.1
25°	4604.8	3886.4	2554.2	1494.6	974.4	834.0	789.9	801.0	828.5	858.8	847.7
27.5°	4450.7	3696.5	2141.4	1172.5	798.2	729.4	712.9	737.6	767.9	795.4	787.2
30°	4414.9	3492.8	1750.5	889.0	685.4	635.8	646.8	668.8	699.1	710.1	721.1
32.5°	4469.9	3333.2	1434.0	729.4	597.3	583.5	583.5	594.5	613.8	638.6	630.3
35°	4626.8	3242.3	1134.0	633.1	547.7	534.0	531.2	542.2	553.2	561.5	553.2
37.5°	4866.3	3170.8	927.6	561.5	514.7	492.7	487.2	484.4	495.4	498.2	503.7
40°	5171.8	3209.3	787.2	517.5	481.7	456.9	440.4	440.4	440.4	448.6	451.4
42.5°	5502.1	3261.6	679.8	492.7	451.4	421.1	404.6	399.1	404.6	415.6	412.9
45°	5848.9	3363.5	611.0	454.1	423.9	385.3	363.3	357.8	371.6	393.6	390.8
47.5°	6173.7	3509.3	558.7	429.4	396.3	360.6	333.0	327.5	352.3	382.6	385.3
50°	6498.5	3762.6	539.5	410.1	377.1	335.8	311.0	305.5	333.0	371.6	379.8
52.5°	6872.8	4035.0	525.7	385.3	355.1	316.5	289.0	283.5	313.8	363.3	366.1
55°	7117.8	4266.2	514.7	341.3	313.8	286.3	264.2	261.5	294.5	338.5	349.6
57.5°	6831.5	3944.2	476.2	297.3	267.0	253.2	234.0	234.0	261.5	302.8	311.0
60°	5180.1	2595.5	338.5	239.5	225.7	217.4	209.2	209.2	231.2	261.5	264.2
62.5°	3033.2	1398.2	217.4	192.7	192.7	184.4	170.6	170.6	192.7	209.2	211.9
65°	900.0	448.6	176.2	165.1	162.4	148.6	134.9	132.1	148.6	156.9	154.1
67.5°	258.7	206.4	145.9	137.6	134.9	112.8	104.6	101.8	104.6	99.1	96.3
70°	154.1	140.4	112.8	115.6	101.8	82.6	74.3	71.6	66.1	57.8	52.3
72.5°	85.3	85.3	82.6	88.1	71.6	55.0	46.8	38.5	30.3	24.8	22.0
75°	52.3	55.0	57.8	60.6	46.8	35.8	30.3	19.3	11.0	5.5	5.5
77.5°	35.8	38.5	41.3	44.0	38.5	33.0	24.8	13.8	2.8	0.0	0.0
80°	27.5	30.3	35.8	38.5	41.3	44.0	33.0	13.8	2.8	0.0	0.0
82.5°	30.3	33.0	41.3	38.5	38.5	38.5	30.3	13.8	2.8	0.0	0.0
85°	5.5	8.3	13.8	13.8	19.3	24.8	19.3	5.5	0.0	0.0	0.0
87.5°	0.0	0.0	0.0	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)