

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: P317726

Luminaire Tested: **GAN-SA2C-730-U-T3R**

Issue Date: 3/3/2020

**Test Information**

Test Method: LM-79-08  
Report Number: P317726  
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-SA2C-730-U-T3R  
Description: GALLEON AREA AND ROADWAY LUMINAIRE  
(2) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III  
ROADWAY OPTICS  
Light Source: -  
Ballast/Driver: ELECTRONIC DRIVER

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 13476 lumens  
Efficiency: N/A  
Efficacy: 119.3 lumens/watt  
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')  
IES Classification: Type IV - Medium  
BUG Rating: B2 - U0 - G3

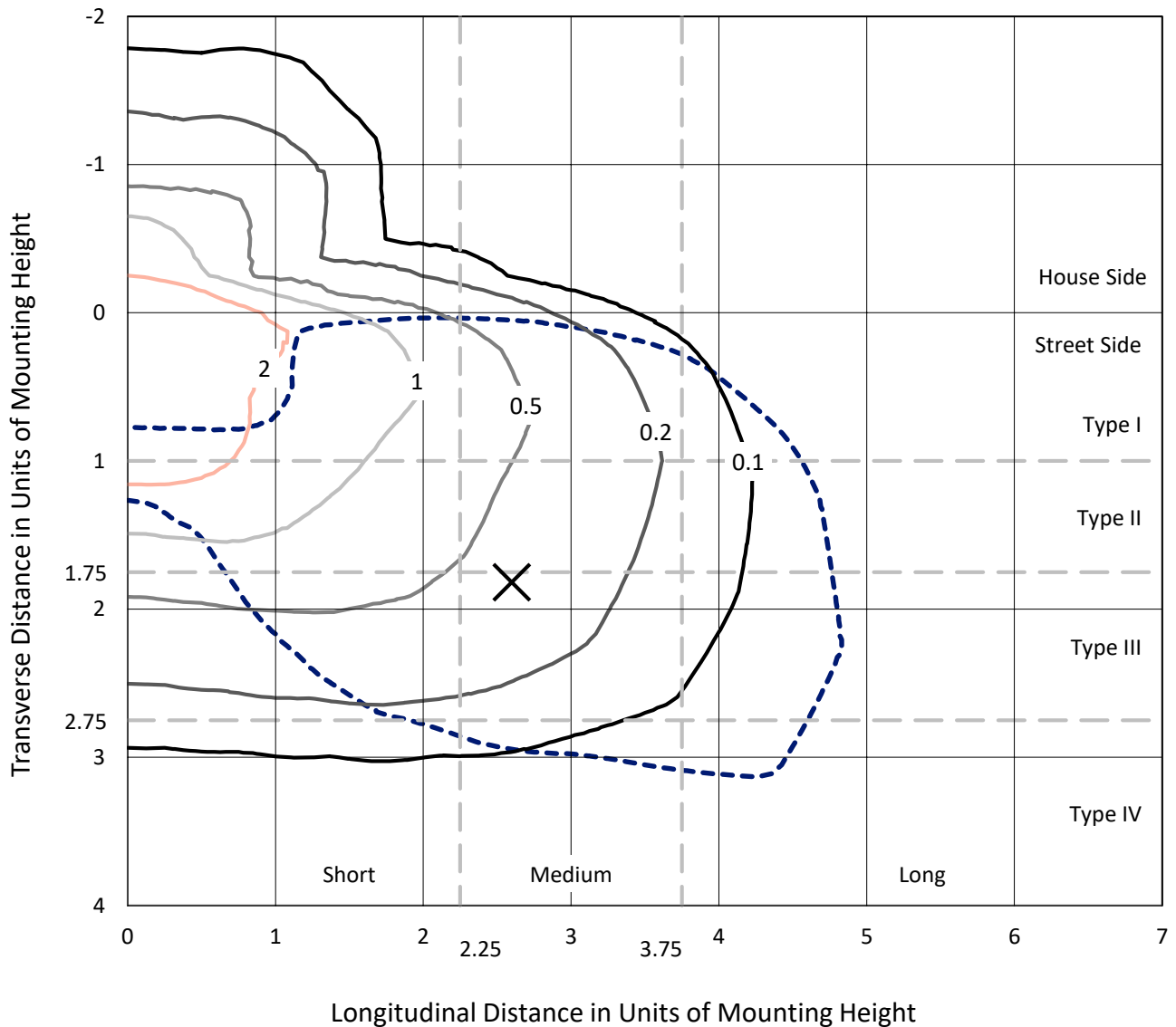
Input Watts (W): 113  
Input Voltage (V): NR  
Input Current (A<sub>in</sub>): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Iso-Footcandle Lines of Horizontal Illumination

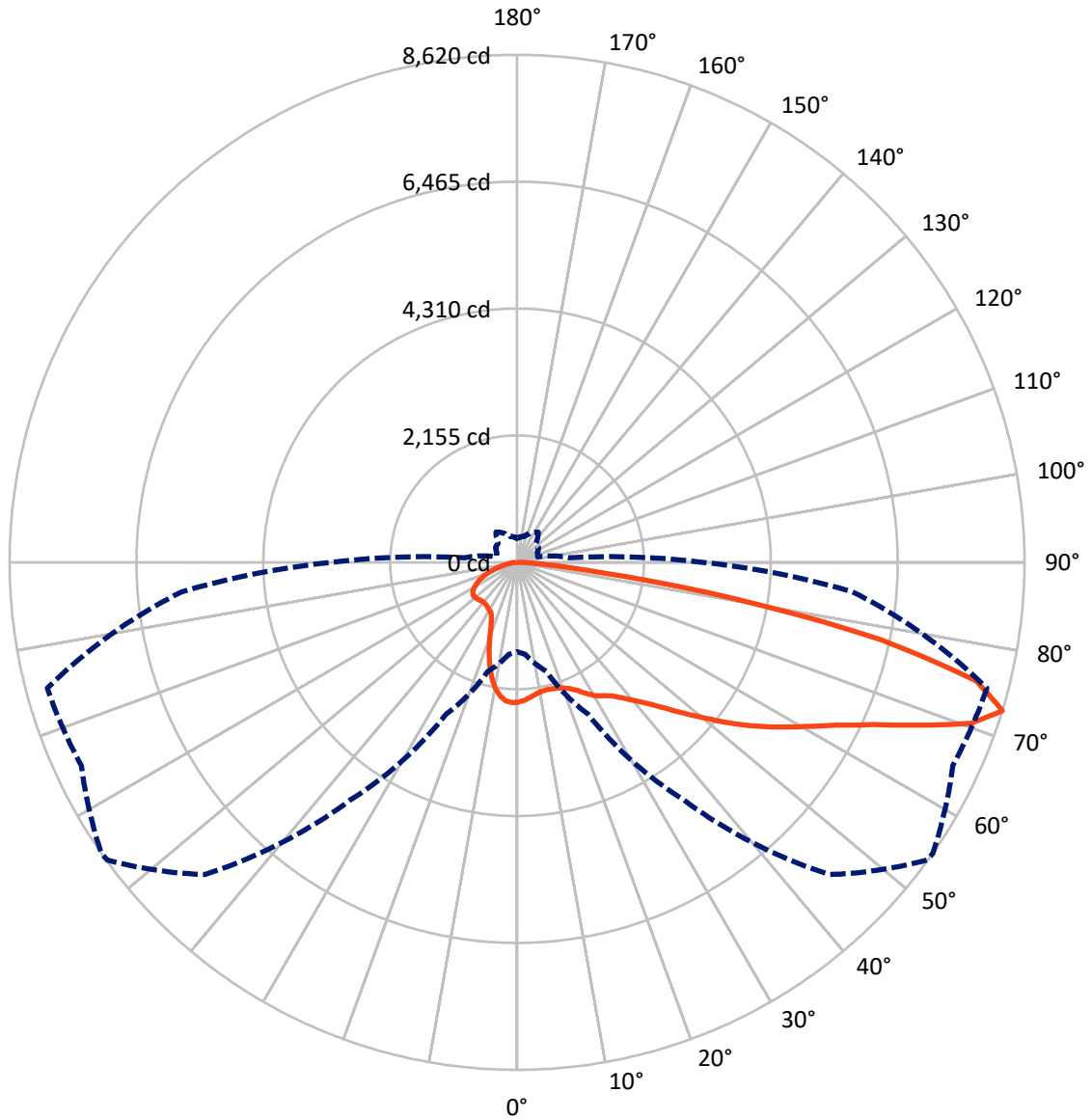
✕ Max cd  
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.8 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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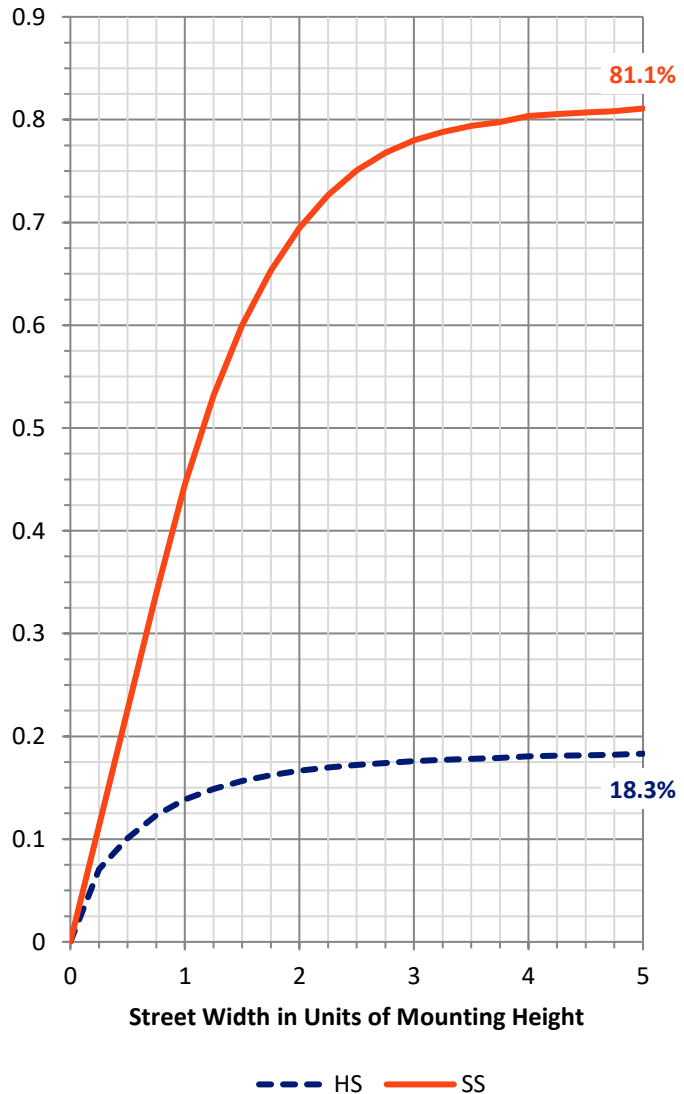
**FLUX DISTRIBUTION:**

		Downward	Upward	Total
<b>House Side</b>	Lumens	2504.8	0.0	2504.8
	% Fixture	18.6	0.0	18.6
<b>Street Side</b>	Lumens	10971.3	0.0	10971.3
	% Fixture	81.4	0.0	81.4
<b>Total</b>	Lumens	13476.0	0.0	13476.0
	% Fixture	100.0	0.0	100.0

**ZONAL LUMENS:**

Zone	Lumens	% Fixture
0°-10°	215.1	1.6
10°-20°	572.6	4.2
20°-30°	944.1	7.0
30°-40°	1396.6	10.4
40°-50°	1949.3	14.5
50°-60°	2538.1	18.8
60°-70°	3119.2	23.1
70°-80°	2445.1	18.1
80°-90°	295.9	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°	13476.0	100.0
0°-180°	13476.0	100.0

**Coefficient of Utilization**

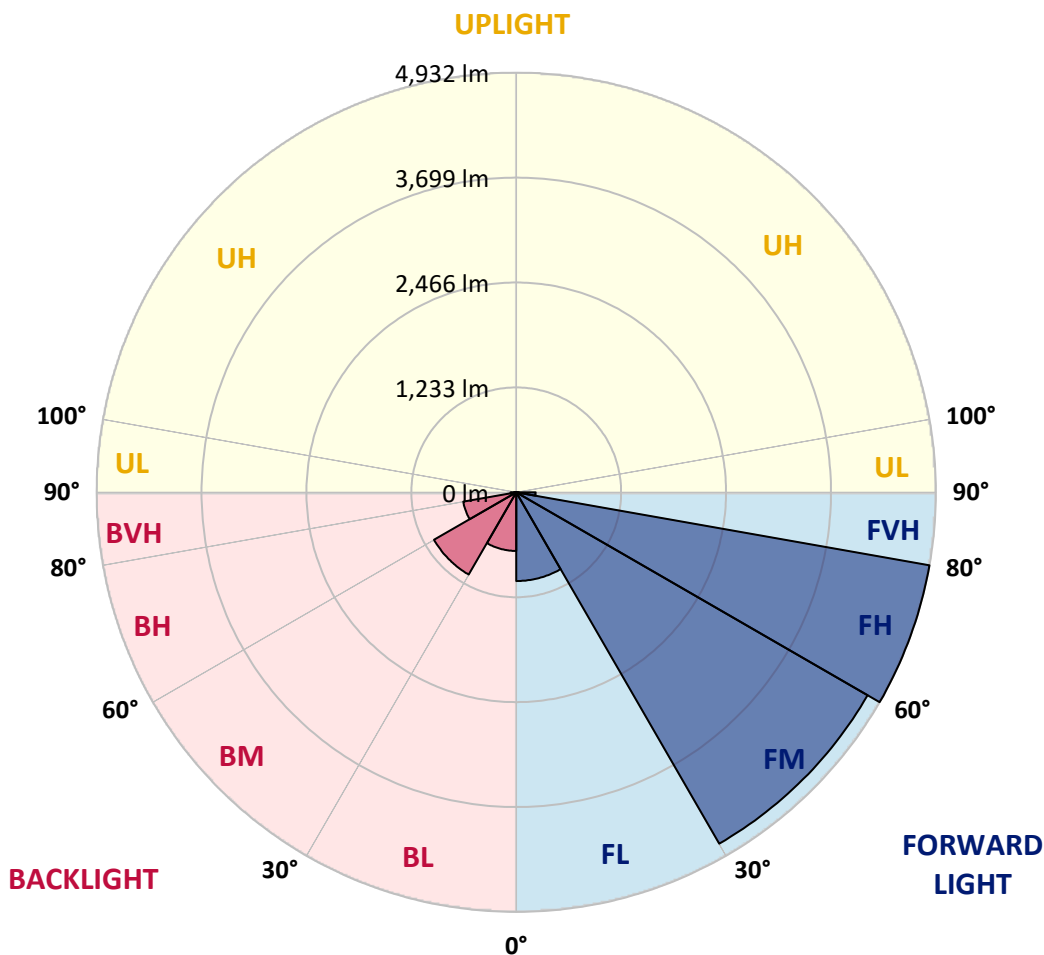


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**LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:**

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1042.6	7.7			
FM (30°-60°)	4768.1	35.4			
FH (60°-80°)	4931.8	36.6			G2/5000
FVH (80°-90°)	228.8	1.7			G3/500
BL (0°-30°)	689.2	5.1	B2/1000		
BM (30°-60°)	1115.9	8.3	B2/2500		
BH (60°-80°)	632.6	4.7	B2/1000		G2/1000
BVH (80°-90°)	67.1	0.5			G1/100
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

**BUG Rating: B2-U0-G3**  
 Type IV Medium





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**CANDELA DISTRIBUTION (FULL):**

	0°	5°	15°	25°	35°	45°	54°	55°	65°	75°	85°
0°	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9
2.5°	2299.5	2294.0	2300.9	2310.4	2320.9	2335.0	2343.2	2346.8	2360.9	2366.4	2378.2
5°	2193.0	2190.3	2201.6	2218.0	2241.2	2274.0	2300.4	2305.4	2342.7	2369.1	2393.3
7.5°	2115.6	2115.6	2128.8	2148.4	2174.3	2218.5	2255.8	2262.6	2325.9	2382.8	2427.4
10°	2054.2	2056.4	2071.9	2095.1	2125.6	2172.5	2222.1	2229.9	2321.3	2414.7	2485.7
12.5°	2013.2	2018.7	2032.8	2053.7	2091.5	2148.4	2211.2	2221.7	2330.9	2460.2	2555.8
15°	2039.1	2048.2	2049.6	2058.3	2079.2	2141.1	2217.6	2228.5	2351.4	2506.6	2635.4
17.5°	2152.9	2156.1	2142.0	2123.8	2113.8	2153.4	2236.7	2248.1	2376.0	2552.6	2711.9
20°	2325.9	2324.1	2293.6	2244.4	2193.4	2199.8	2268.1	2279.9	2409.2	2593.1	2788.3
22.5°	2544.4	2538.0	2491.1	2400.5	2313.6	2277.2	2323.2	2333.2	2459.3	2650.9	2870.3
25°	2809.3	2795.2	2733.3	2611.7	2483.8	2390.1	2406.0	2415.6	2532.1	2715.5	2945.4
27.5°	3088.8	3074.6	2995.9	2848.9	2678.7	2532.5	2520.3	2528.4	2614.9	2763.3	3000.9
30°	3381.0	3366.0	3294.0	3129.3	2885.3	2680.0	2626.8	2629.9	2673.2	2789.3	3046.4
32.5°	3674.6	3660.4	3579.9	3388.7	3109.7	2838.4	2703.7	2699.6	2708.2	2816.1	3097.9
35°	3972.2	3977.7	3883.5	3671.8	3358.2	3014.6	2794.7	2786.1	2767.0	2871.2	3170.7
37.5°	4290.8	4287.2	4165.2	3944.0	3618.1	3205.7	2925.4	2924.0	2858.0	2975.4	3284.9
40°	4503.9	4506.1	4432.0	4222.6	3880.7	3417.4	3092.9	3089.7	3003.2	3131.5	3434.7
42.5°	4587.2	4602.2	4621.3	4488.4	4155.7	3662.7	3292.7	3288.1	3205.7	3355.5	3610.8
45°	4593.1	4623.1	4741.5	4724.6	4434.2	3943.6	3548.0	3535.3	3476.1	3653.2	3821.1
47.5°	4542.1	4573.1	4769.7	4865.3	4683.2	4239.9	3846.6	3836.6	3785.6	4025.5	4048.7
50°	4430.6	4460.2	4711.4	4934.0	4888.0	4524.8	4190.7	4164.3	4137.0	4455.6	4309.1
52.5°	4221.7	4278.6	4633.6	4950.4	5010.5	4777.9	4552.6	4535.3	4550.3	4909.4	4569.9
55°	3726.9	3790.6	4432.9	4936.7	5101.0	4990.4	4914.4	4913.5	4991.3	5385.5	4849.8
57.5°	3449.7	3494.8	4024.1	4913.5	5208.5	5201.6	5272.6	5281.3	5432.9	5904.0	5142.9
60°	3293.1	3340.5	3817.0	4827.5	5375.1	5474.7	5638.1	5655.4	5881.7	6477.9	5495.7
62.5°	3150.7	3202.5	3688.7	4652.3	5571.2	5865.3	6076.0	6091.5	6356.8	7067.8	5836.6
65°	2907.1	2965.9	3500.7	4537.1	5749.7	6374.6	6632.7	6643.1	6902.6	7685.9	6097.4
67.5°	2563.0	2616.7	3146.1	4282.7	5881.7	6993.2	7372.8	7378.7	7443.8	8122.4	6230.8
70°	2161.1	2181.6	2640.9	3757.4	5725.5	7571.7	8183.9	8185.2	7937.2	8401.9	6208.9
72.5°	1518.4	1566.7	1917.2	2844.3	4920.3	7501.1	8604.9	8620.4	8166.6	8260.8	5712.8
75°	931.3	982.2	1202.5	1723.7	3121.5	5899.4	7950.4	8057.8	7736.5	7365.5	4666.8
77.5°	622.7	641.8	784.7	1005.0	1414.2	3394.2	6112.4	6314.5	6426.9	5371.4	2984.5
80°	347.3	383.7	520.3	624.5	629.0	1348.7	3665.0	3712.3	3575.8	2138.8	920.8
82.5°	183.9	203.9	347.3	366.9	343.2	451.5	1366.0	1367.3	1142.5	573.5	273.6
85°	142.5	159.3	238.1	223.9	175.2	200.3	450.6	475.2	388.7	234.9	89.2
87.5°	71.0	88.3	161.6	142.0	68.7	57.4	161.1	172.1	153.4	91.9	32.3
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°	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9	2376.9
2.5°	2382.8	2386.9	2391.9	2386.4	2384.6	2377.3	2365.0	2362.3	2355.9	2356.4	2360.0
5°	2403.7	2410.6	2407.8	2386.9	2361.9	2326.8	2290.4	2259.4	2239.0	2237.6	2236.2
7.5°	2443.8	2448.3	2426.9	2367.3	2297.2	2216.2	2139.7	2072.8	2032.3	2022.3	2020.0
10°	2506.6	2505.7	2447.0	2326.8	2187.1	2042.3	1919.4	1826.6	1772.4	1756.5	1752.4
12.5°	2576.7	2566.2	2453.8	2253.1	2031.4	1830.7	1675.0	1571.7	1515.2	1497.0	1492.5
15°	2649.1	2623.1	2437.0	2142.9	1840.2	1602.6	1439.2	1343.6	1313.2	1303.1	1301.3
17.5°	2716.4	2666.4	2388.7	1993.6	1622.2	1375.5	1248.1	1209.8	1217.1	1230.3	1230.8
20°	2782.4	2695.5	2311.3	1805.2	1392.4	1188.4	1145.2	1173.4	1208.0	1234.9	1238.5
22.5°	2847.5	2716.0	2211.7	1587.6	1186.6	1083.3	1113.8	1165.2	1204.8	1234.0	1239.0
25°	2902.1	2721.0	2074.2	1355.5	1043.7	1043.7	1098.8	1147.5	1186.6	1215.3	1220.3
27.5°	2922.2	2687.3	1880.3	1140.6	971.8	1025.5	1077.8	1118.3	1151.6	1182.1	1187.5
30°	2929.9	2624.9	1656.3	968.1	942.2	1005.9	1049.6	1084.2	1115.6	1144.3	1149.3
32.5°	2931.3	2549.8	1418.8	870.3	921.7	985.4	1014.6	1045.1	1078.7	1090.1	1091.9
35°	2939.9	2461.1	1168.4	820.2	902.6	966.3	989.5	1011.4	956.8	960.9	964.5
37.5°	2965.0	2373.2	959.0	792.0	890.3	956.3	984.1	904.9	862.1	852.1	850.7
40°	3011.8	2279.5	803.8	769.2	885.8	961.3	949.0	844.8	771.1	716.0	707.8
42.5°	3076.9	2178.4	704.6	754.2	888.9	985.4	900.3	787.0	664.5	629.0	624.5
45°	3150.2	2072.4	650.9	743.7	899.9	1004.1	890.3	710.1	614.9	588.1	585.8
47.5°	3221.2	1942.6	623.1	739.2	914.9	989.1	848.0	686.4	591.3	577.2	578.5
50°	3302.7	1825.7	606.3	734.2	928.1	979.5	800.2	674.1	582.2	599.5	617.7
52.5°	3371.4	1704.6	591.3	724.2	933.1	962.7	787.9	676.4	582.2	615.4	632.7
55°	3452.9	1613.1	574.0	703.2	923.5	914.9	779.2	690.0	589.0	568.0	569.9
57.5°	3558.0	1583.1	554.8	670.5	891.7	845.2	775.1	703.2	584.9	571.7	576.2
60°	3703.7	1614.9	547.1	627.7	842.1	790.6	775.6	696.4	556.2	533.5	533.9
62.5°	3842.5	1650.4	546.7	600.8	781.1	741.9	765.1	674.1	541.6	528.4	533.5
65°	3888.0	1614.5	524.8	570.8	712.3	683.7	746.0	650.4	530.7	510.7	509.8
67.5°	3827.0	1503.0	480.7	522.1	633.6	615.8	721.0	622.2	513.4	497.0	494.3
70°	3645.9	1254.0	426.0	457.9	543.9	539.4	681.4	589.4	490.2	476.1	464.3
72.5°	3158.4	893.5	359.1	381.0	442.9	457.4	626.8	546.7	457.4	426.9	408.7
75°	2594.0	661.4	294.9	299.5	336.4	376.0	551.7	496.6	418.8	366.9	352.8
77.5°	1588.5	404.6	234.9	236.7	241.2	300.0	454.3	440.6	369.6	305.9	295.9
80°	514.3	220.8	169.8	178.4	164.8	219.8	351.4	375.1	317.3	255.8	244.9
82.5°	195.7	128.8	114.7	120.6	114.2	147.5	256.3	300.4	259.9	210.3	171.1
85°	94.7	72.8	67.8	76.0	70.6	75.6	163.9	221.2	197.1	137.0	127.4
87.5°	33.7	32.3	25.9	35.0	30.0	26.9	50.1	111.5	130.2	94.2	84.2
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)