

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: P529037

Luminaire Tested: **GLAN-SA4A-830-U-SL2-GRSBK**

Issue Date: 5/27/2021

Test Information

Test Method: LM-79-08
Report Number: P529037
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2011-057-17)
Test Lab: INNOVATION CENTER
Issue Date: 5/27/2021
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GLAN-SA4A-830-U-SL2-GRSBK
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 80 CRI, 3000K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II SPILL
LIGHT ELIMINATOR OPTICS WITH BLACK GLARE REDUCTION SHIELD
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 8391 lumens
Efficiency: N/A
Efficacy: 69.3 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type II - Short
BUG Rating: B2 - U0 - G1

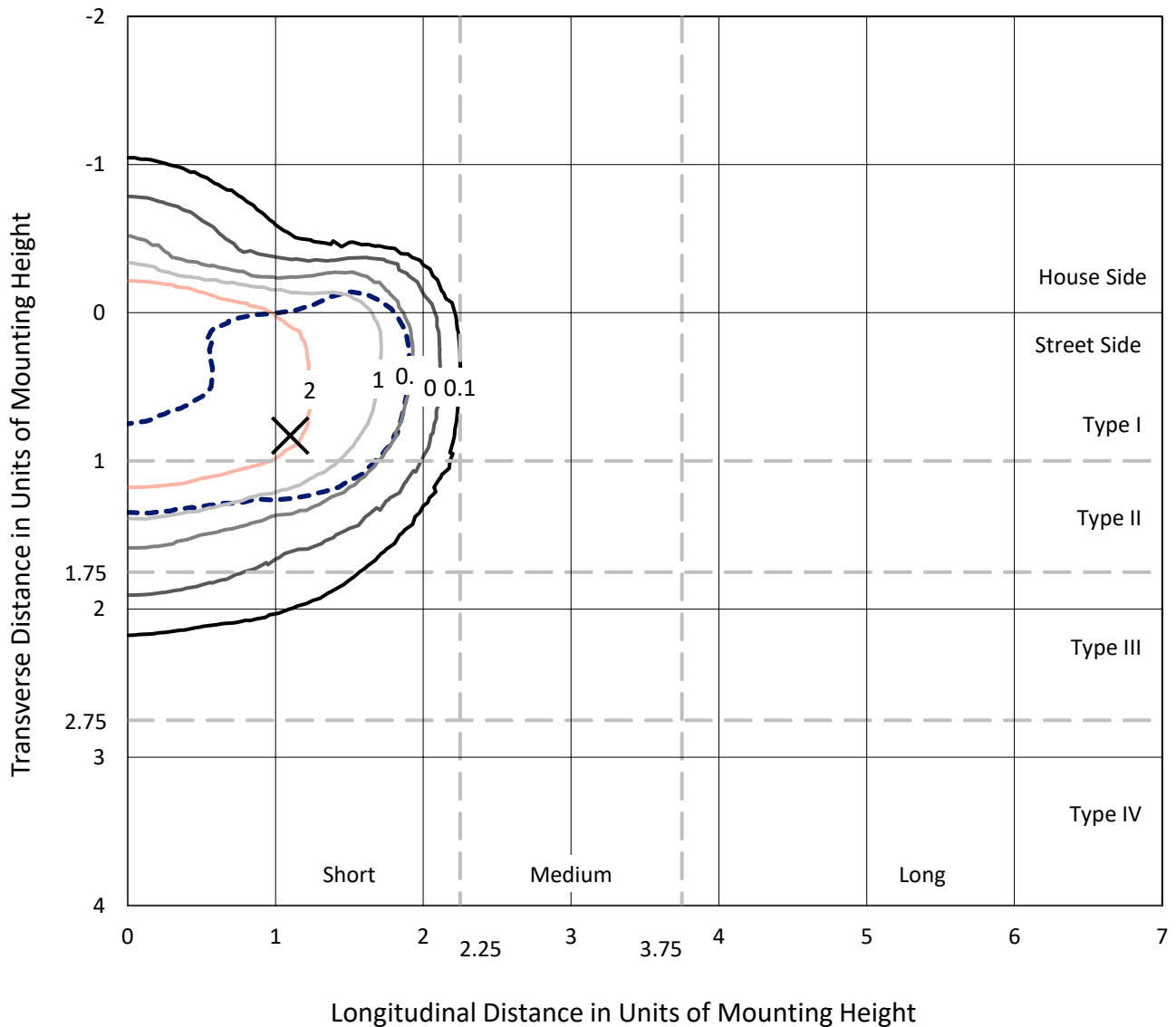
Input Watts (W): 121
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P529037
 CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

Iso-Footcandle Lines of Horizontal Illumination

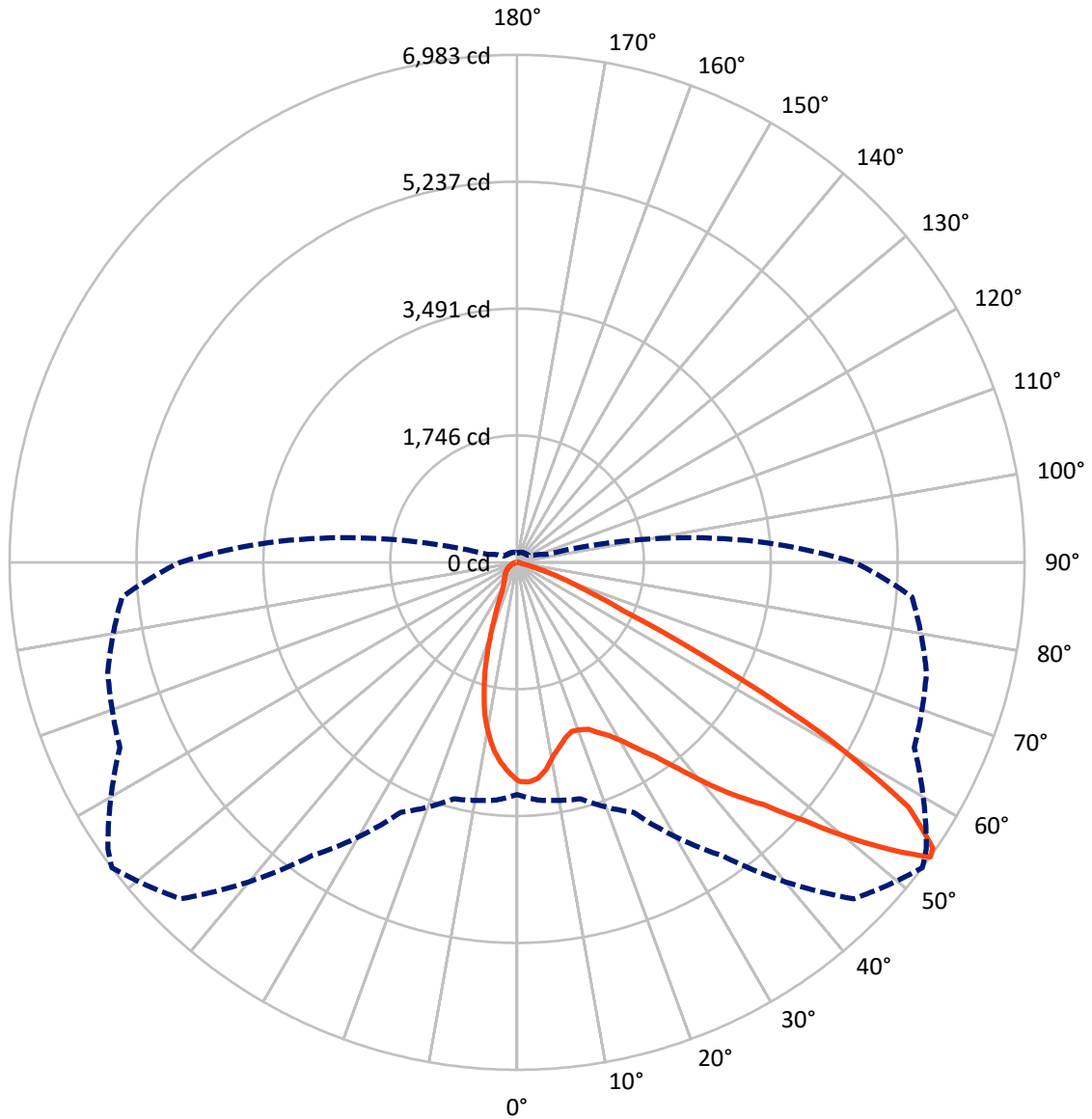
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.8 fc
 Type II - Short - N/A

REPORT NUMBER: P529037
CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

Luminous Intensity Polar Plot



— Vertical Plane Through 53-Deg Lateral - - - Horizontal Cone Through 54-Deg Vertical

REPORT NUMBER: P529037
 CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

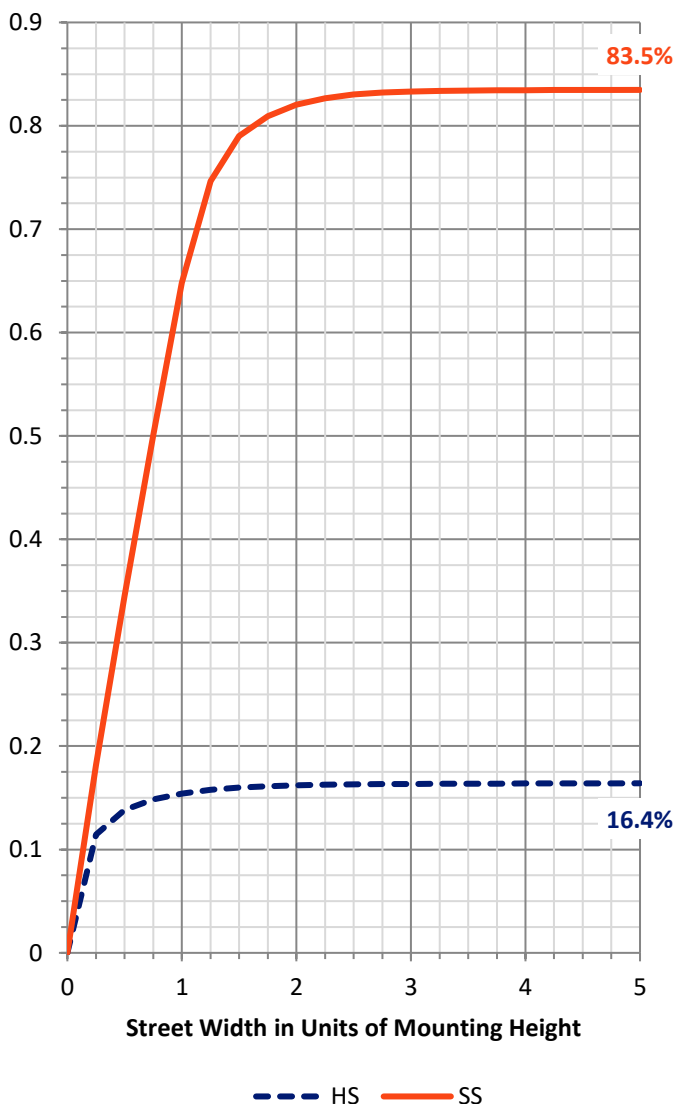
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1388.3	0.0	1388.3
	% Fixture	16.5	0.0	16.5
Street Side	Lumens	7002.7	0.0	7002.7
	% Fixture	83.5	0.0	83.5
Total	Lumens	8391.0	0.0	8391.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	258.6	3.1
10°-20°	592.9	7.1
20°-30°	842.6	10.0
30°-40°	1300.3	15.5
40°-50°	2038.8	24.3
50°-60°	2368.3	28.2
60°-70°	894.9	10.7
70°-80°	85.1	1.0
80°-90°	9.6	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°	8391.0	100.0
0°-180°	8391.0	100.0

Coefficient of Utilization

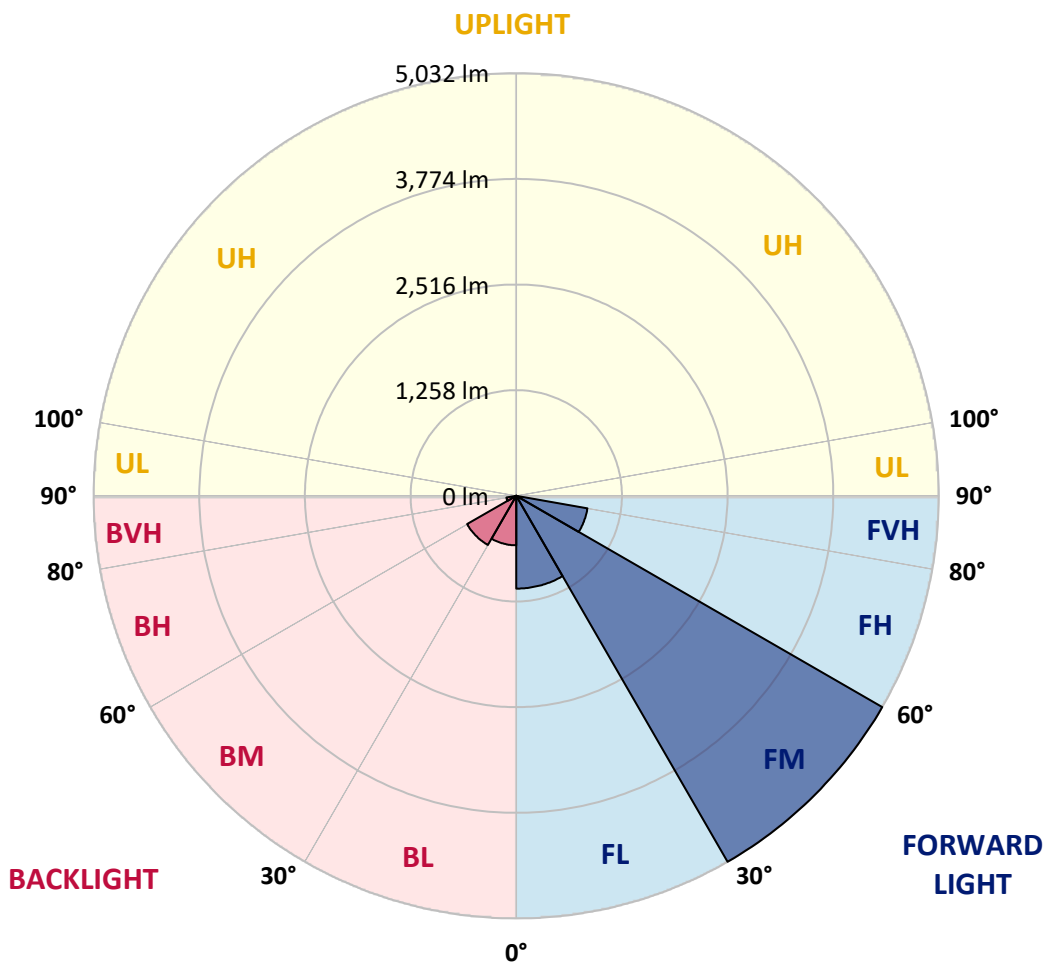


REPORT NUMBER: P529037
 CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1104.9	13.2			
FM (30°-60°)	5031.8	60.0			
FH (60°-80°)	861.0	10.3			G1/1800
FVH (80°-90°)	4.9	0.1			G0/10
BL (0°-30°)	589.1	7.0	B2/1000		
BM (30°-60°)	675.6	8.1	B1/1000		
BH (60°-80°)	119.0	1.4	B1/500		G1/500
BVH (80°-90°)	4.6	0.1			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





REPORT NUMBER: P529037

CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	53°	55°	65°	75°	85°
0°	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9
2.5°	2998.3	2971.7	2998.3	3001.4	3020.2	3037.4	3026.4	3051.4	3037.4	3021.7	3017.0
5°	2756.0	2791.9	2793.5	2849.8	2837.3	2940.4	2985.8	2973.3	3049.9	3045.2	3034.2
7.5°	2538.7	2524.6	2543.4	2609.0	2691.9	2810.7	2876.3	2874.8	2984.2	3062.4	3054.5
10°	2337.0	2335.5	2374.5	2426.1	2496.5	2621.5	2712.2	2757.5	2927.9	3046.7	3063.9
12.5°	2201.0	2194.8	2237.0	2279.2	2390.2	2487.1	2602.8	2624.7	2820.1	2992.0	3020.2
15°	2111.9	2126.0	2129.1	2210.4	2280.8	2408.9	2499.6	2544.9	2770.0	2948.3	3056.1
17.5°	2096.3	2115.0	2116.6	2183.8	2258.9	2366.7	2446.5	2507.4	2727.8	2970.1	3057.7
20°	2127.6	2116.6	2126.0	2168.2	2241.7	2344.8	2460.5	2480.8	2713.8	2981.1	3074.9
22.5°	2216.7	2213.5	2190.1	2224.5	2276.1	2383.9	2493.4	2524.6	2754.4	3037.4	3088.9
25°	2315.1	2332.3	2310.5	2305.8	2341.7	2448.0	2593.4	2634.0	2890.4	3139.0	3132.7
27.5°	2499.6	2482.4	2482.4	2460.5	2451.1	2502.7	2701.3	2768.5	3042.0	3270.3	3182.7
30°	2676.2	2695.0	2680.9	2688.8	2626.2	2621.5	2854.5	2937.3	3310.9	3470.4	3289.0
32.5°	2956.1	2931.1	2954.5	2934.2	2851.3	2766.9	3062.4	3148.3	3636.1	3700.2	3448.5
35°	3189.0	3178.0	3278.1	3275.0	3140.5	3057.7	3282.8	3411.0	3862.7	3975.3	3636.1
37.5°	3520.4	3500.1	3614.2	3668.9	3548.5	3425.0	3598.6	3747.1	4073.8	4195.7	3828.3
40°	3861.2	3912.8	4066.0	4156.6	4028.4	3864.3	3984.7	4030.0	4214.5	4339.5	3959.7
42.5°	4292.6	4367.7	4524.0	4602.1	4591.2	4413.0	4377.0	4375.5	4316.1	4298.9	4056.6
45°	4706.9	4678.7	4919.5	5089.9	5227.4	5175.9	4755.3	4708.4	4477.1	4359.8	4081.6
47.5°	4888.2	4878.8	5043.0	5346.2	5815.2	5879.3	5305.6	5124.3	4749.1	4616.2	4217.6
50°	4653.7	4702.2	4864.8	5200.9	5919.9	6409.2	5980.9	5737.1	5066.4	4928.9	4539.6
52.5°	3887.8	3920.6	4075.3	4502.1	5563.5	6721.9	6628.1	6487.4	5649.5	5421.3	5100.8
54°	3196.8	3284.3	3368.8	3797.1	4928.9	6548.4	6982.9	6875.1	6029.4	5830.8	5454.1
55°	2784.1	2835.7	2896.7	3323.4	4489.6	6254.5	6942.3	6951.7	6284.2	5959.0	5691.7
57.5°	2033.8	2069.7	2007.2	2196.3	3082.7	5078.9	6349.8	6603.1	6628.1	6151.3	5837.1
60°	1553.8	1569.5	1499.1	1528.8	1916.5	3486.0	4911.7	5216.5	5979.4	5375.9	4944.5
62.5°	1205.2	1208.4	1206.8	1258.4	1320.9	2051.0	3071.7	3342.2	4122.2	3817.4	3357.8
65°	887.9	873.8	898.9	1055.2	1127.1	1289.7	1617.9	1814.9	2240.1	1891.5	1352.2
67.5°	575.3	580.0	605.0	784.7	966.1	989.5	995.8	980.1	981.7	540.9	339.2
70°	345.5	353.3	345.5	444.0	690.9	709.7	648.7	633.1	494.0	128.2	126.6
72.5°	204.8	193.8	173.5	190.7	287.6	343.9	309.5	308.0	193.8	75.0	75.0
75°	86.0	78.2	64.1	57.8	76.6	73.5	73.5	65.7	51.6	50.0	46.9
77.5°	17.2	17.2	12.5	14.1	18.8	21.9	26.6	26.6	31.3	31.3	29.7
80°	0.0	1.6	4.7	9.4	14.1	20.3	23.4	23.4	26.6	26.6	21.9
82.5°	0.0	1.6	4.7	9.4	12.5	18.8	23.4	23.4	26.6	28.1	23.4
85°	0.0	1.6	4.7	7.8	12.5	15.6	15.6	14.1	10.9	9.4	6.3
87.5°	0.0	0.0	1.6	3.1	1.6	3.1	3.1	3.1	3.1	3.1	3.1
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: P529037

CATALOG NUMBER: GLAN-SA4A-830-U-SL2-GRSBK

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9	3013.9
2.5°	3028.0	3026.4	2988.9	2927.9	2913.9	2862.3	2856.0	2824.8	2842.0	2784.1	2777.9
5°	3003.0	2984.2	2938.9	2899.8	2785.7	2704.4	2640.3	2562.1	2516.8	2524.6	2494.9
7.5°	3038.9	2990.5	2910.7	2774.7	2635.6	2493.4	2416.8	2257.3	2199.5	2113.5	2101.0
10°	3001.4	2965.4	2842.0	2616.8	2424.6	2219.8	2040.0	1863.4	1728.9	1671.1	1658.6
12.5°	2998.3	2935.7	2729.4	2479.3	2201.0	1907.1	1646.1	1425.7	1292.8	1217.8	1200.6
15°	2949.8	2874.8	2602.8	2266.7	1882.1	1516.3	1231.8	1019.2	917.6	873.8	886.4
17.5°	2954.5	2842.0	2476.2	2041.6	1567.9	1113.0	841.0	731.6	705.0	716.0	716.0
20°	2949.8	2768.5	2323.0	1782.1	1200.6	772.2	617.5	578.4	595.6	630.0	622.2
22.5°	2924.8	2734.1	2182.3	1508.5	883.2	572.1	495.5	497.1	523.7	565.9	575.3
25°	2943.6	2657.5	2004.1	1231.8	644.1	456.5	429.9	440.8	469.0	500.2	506.5
27.5°	2929.5	2602.8	1818.0	956.7	470.5	392.4	390.8	403.3	415.8	439.3	439.3
30°	2945.1	2552.8	1635.1	711.3	387.7	359.5	353.3	362.7	375.2	379.9	378.3
32.5°	3003.0	2515.2	1424.1	531.5	342.3	328.3	328.3	328.3	326.7	333.0	334.5
35°	3129.6	2521.5	1238.1	411.1	312.6	301.7	297.0	290.8	287.6	290.8	292.3
37.5°	3267.1	2518.4	1045.8	350.2	290.8	281.4	270.4	261.1	259.5	262.6	257.9
40°	3328.1	2548.1	867.6	314.2	270.4	259.5	242.3	234.5	236.0	239.2	236.0
42.5°	3411.0	2557.4	751.9	286.1	251.7	234.5	223.5	214.2	212.6	217.3	215.7
45°	3409.4	2504.3	630.0	270.4	234.5	215.7	201.7	193.8	193.8	197.0	198.5
47.5°	3509.4	2496.5	540.9	256.4	222.0	203.2	186.0	179.8	178.2	178.2	175.1
50°	3742.4	2605.9	472.1	240.7	206.3	189.2	175.1	167.3	161.0	157.9	156.3
52.5°	4197.3	2946.7	418.9	222.0	189.2	175.1	162.6	156.3	148.5	140.7	139.1
54°	4638.1	3298.4	415.8	206.3	175.1	165.7	154.8	151.6	142.3	131.3	128.2
55°	4836.6	3503.2	426.8	193.8	165.7	159.4	150.1	146.9	137.6	125.1	123.5
57.5°	5000.8	3582.9	420.5	161.0	150.1	148.5	140.7	136.0	125.1	107.9	104.7
60°	4025.3	2709.1	301.7	142.3	137.6	134.4	128.2	125.1	111.0	92.2	90.7
62.5°	2543.4	1558.5	192.3	125.1	120.4	115.7	107.9	104.7	92.2	73.5	68.8
65°	1083.3	645.6	129.7	111.0	103.2	95.4	89.1	84.4	73.5	54.7	53.1
67.5°	281.4	229.8	107.9	96.9	86.0	75.0	70.3	62.5	50.0	37.5	36.0
70°	126.6	115.7	90.7	81.3	68.8	57.8	51.6	43.8	32.8	25.0	23.4
72.5°	75.0	73.5	68.8	61.0	51.6	43.8	37.5	29.7	21.9	14.1	14.1
75°	46.9	45.3	46.9	42.2	36.0	32.8	28.1	20.3	12.5	6.3	6.3
77.5°	28.1	28.1	28.1	26.6	25.0	25.0	20.3	12.5	6.3	1.6	1.6
80°	21.9	21.9	23.4	21.9	21.9	21.9	17.2	9.4	3.1	0.0	0.0
82.5°	21.9	23.4	26.6	25.0	21.9	18.8	15.6	9.4	3.1	0.0	0.0
85°	6.3	4.7	7.8	10.9	15.6	14.1	10.9	7.8	3.1	0.0	0.0
87.5°	3.1	3.1	3.1	3.1	1.6	1.6	1.6	1.6	1.6	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)