

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: P319636

Luminaire Tested: **GAN-SA2B-730-U-SL3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P319636
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-22)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2B-730-U-SL3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III
SPILL LIGHT ELIMINATOR OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 10650 lumens
Efficiency: N/A
Efficacy: 125.3 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B2 - U0 - G3

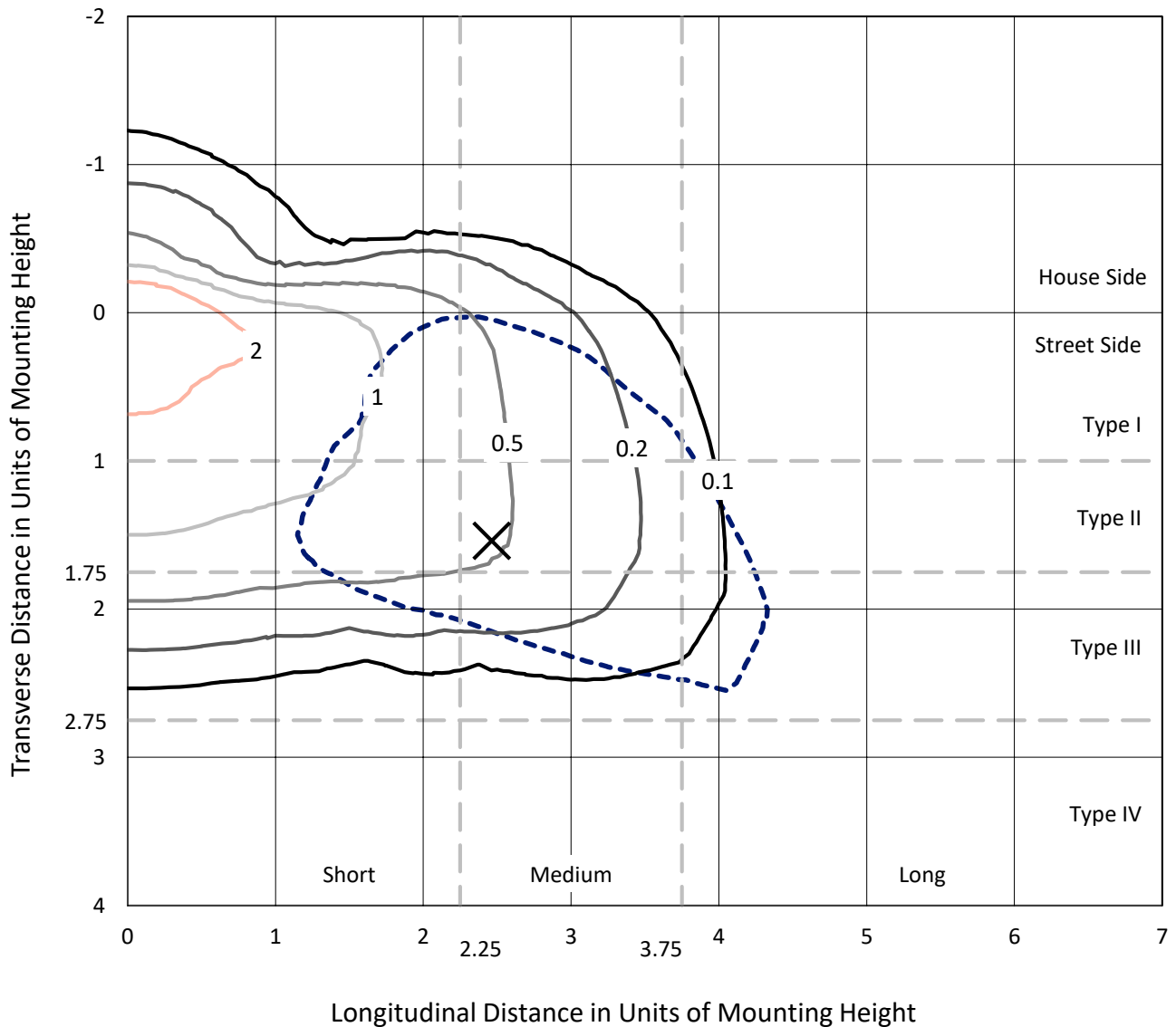
Input Watts (W): 85
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

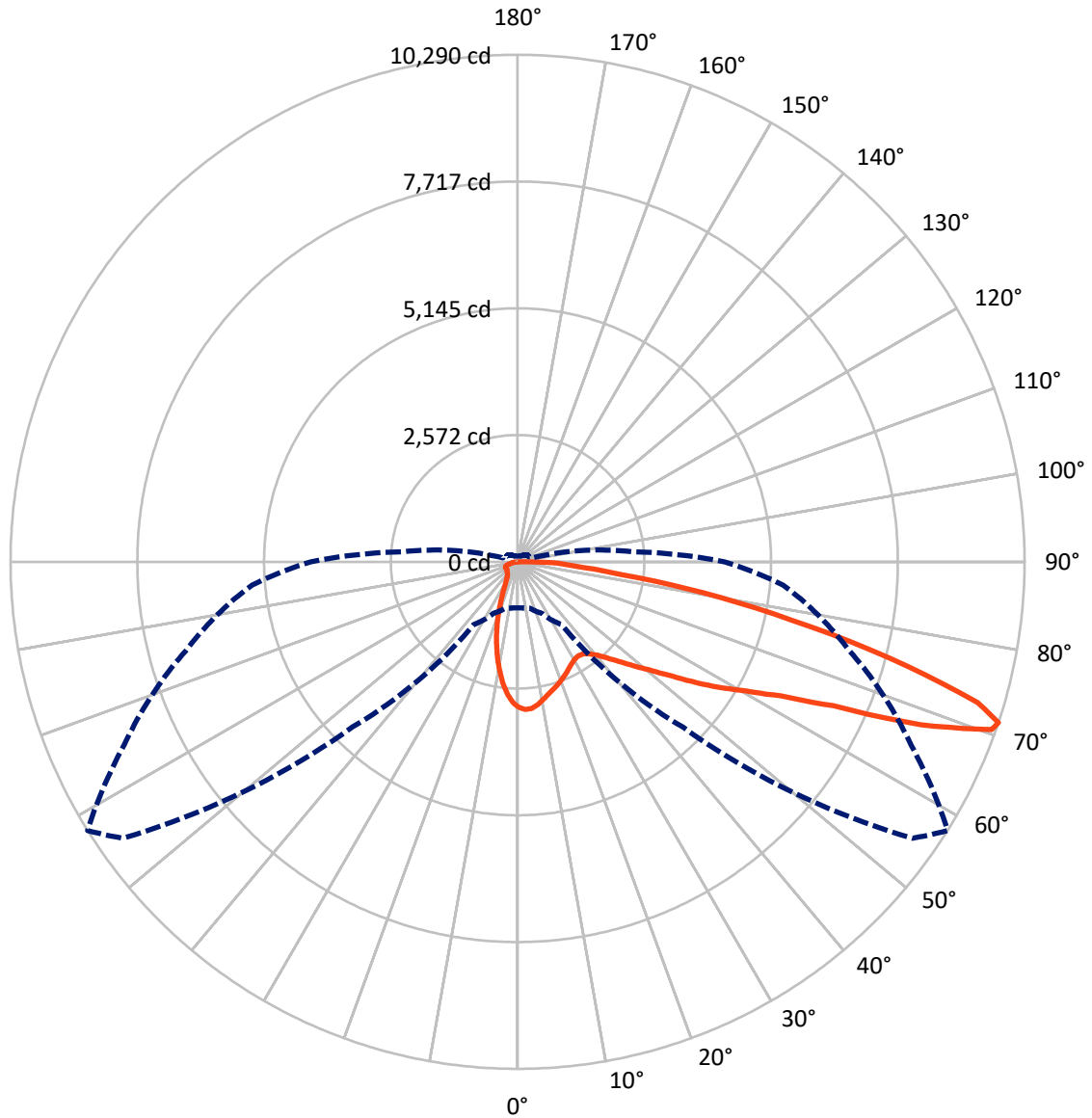
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 4.7 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 58-Deg Lateral - - - Horizontal Cone Through 71-Deg Vertical

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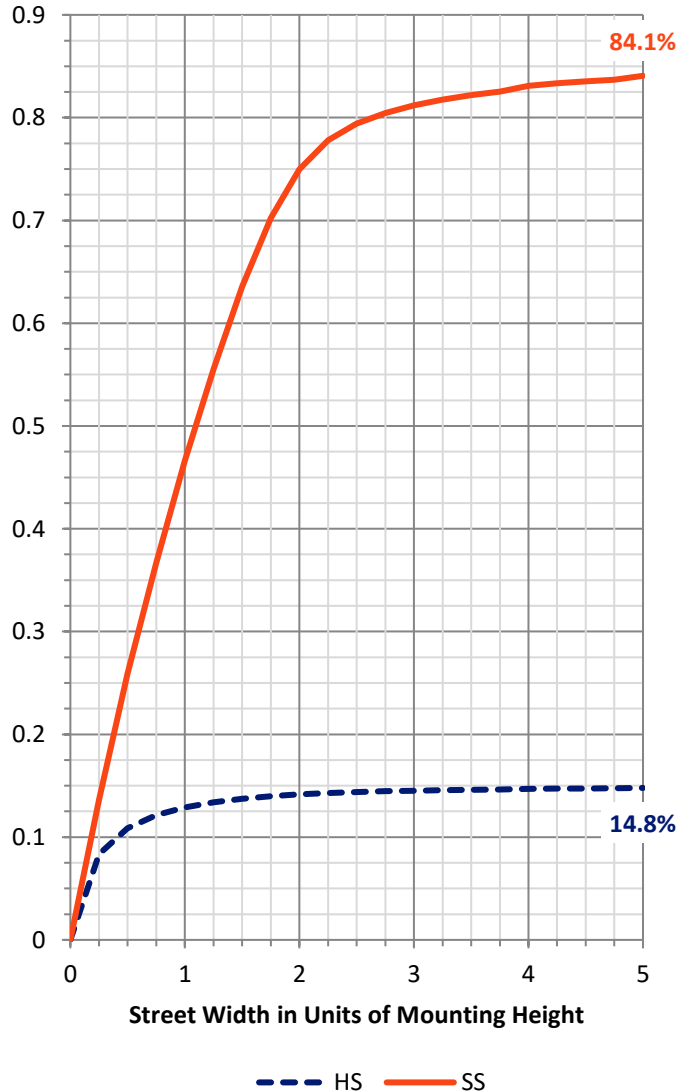
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	1592.3	0.0	1592.3
	% Fixture	15.0	0.0	15.0
Street Side	Lumens	9057.8	0.0	9057.8
	% Fixture	85.0	0.0	85.0
Total	Lumens	10650.0	0.0	10650.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	254.6	2.4
10°-20°	566.0	5.3
20°-30°	719.4	6.8
30°-40°	916.4	8.6
40°-50°	1299.4	12.2
50°-60°	2010.9	18.9
60°-70°	2737.6	25.7
70°-80°	1826.3	17.1
80°-90°	319.3	3.0
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°	10650.0	100.0
0°-180°	10650.0	100.0

Coefficient of Utilization



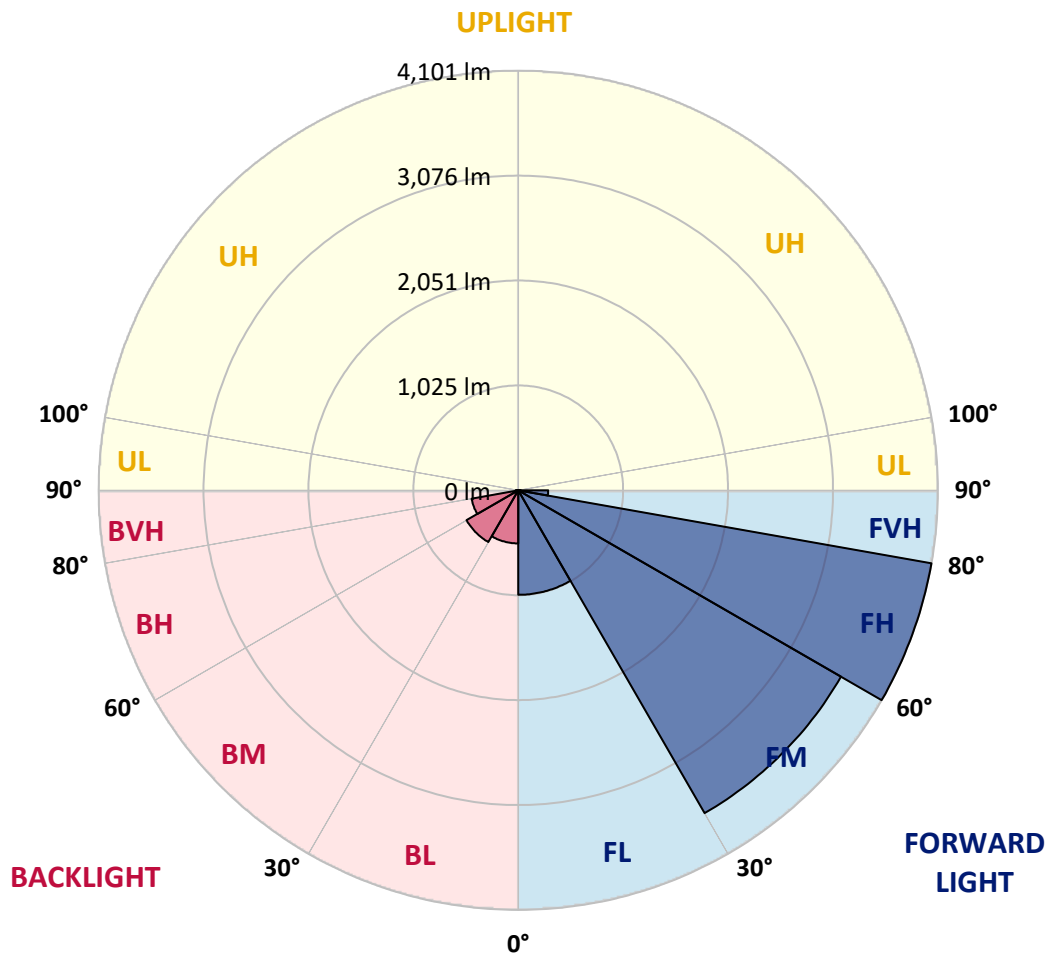
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1021.0	9.6			
FM (30°-60°)	3642.8	34.2			
FH (60°-80°)	4101.2	38.5			G2/5000
FVH (80°-90°)	292.8	2.7			G3/500
BL (0°-30°)	519.0	4.9	B2/1000		
BM (30°-60°)	583.9	5.5	B1/1000		
BH (60°-80°)	462.8	4.3	B1/500		G1/500
BVH (80°-90°)	26.5	0.2			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 III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	58°	65°	75°	85°
0°	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8
2.5°	3029.0	3025.0	3026.4	3023.5	3016.4	3009.4	2999.0	3000.8	2986.4	2964.9	2938.1
5°	2971.9	2970.4	2981.6	2987.9	2993.1	2989.0	2986.0	2989.7	2968.6	2938.9	2892.5
7.5°	2852.1	2835.8	2849.9	2871.0	2891.0	2906.2	2926.3	2928.9	2915.5	2884.4	2823.5
10°	2681.8	2666.2	2687.0	2720.0	2760.1	2796.4	2836.9	2844.3	2846.9	2818.7	2744.9
12.5°	2505.2	2493.3	2514.1	2560.5	2626.9	2682.9	2747.5	2758.6	2781.6	2762.7	2672.2
15°	2347.2	2342.7	2368.0	2413.6	2490.0	2575.7	2668.8	2689.2	2728.2	2721.9	2615.4
17.5°	2210.7	2209.5	2228.8	2276.7	2361.3	2469.6	2590.5	2625.0	2682.9	2690.3	2568.7
20°	2109.0	2106.8	2120.1	2155.4	2242.6	2365.4	2506.0	2553.4	2636.9	2662.9	2520.4
22.5°	2054.5	2054.1	2054.5	2071.2	2142.4	2256.7	2423.6	2481.5	2592.0	2641.0	2467.0
25°	2045.2	2044.1	2035.9	2034.1	2074.5	2165.8	2342.0	2405.8	2549.4	2625.8	2416.2
27.5°	2069.3	2070.8	2060.0	2042.6	2050.8	2106.0	2271.1	2339.4	2515.2	2622.8	2380.9
30°	2119.4	2118.7	2109.4	2091.2	2075.3	2083.8	2220.7	2288.9	2492.2	2635.8	2356.8
32.5°	2174.7	2178.8	2176.9	2166.9	2143.1	2109.0	2205.5	2272.2	2485.6	2667.0	2346.4
35°	2241.1	2245.5	2258.9	2266.7	2238.9	2183.9	2238.1	2296.0	2504.8	2725.6	2363.1
37.5°	2304.1	2315.6	2353.1	2386.1	2362.4	2301.2	2324.9	2366.1	2564.6	2818.0	2408.0
40°	2376.9	2386.9	2448.1	2518.2	2514.5	2451.1	2464.8	2492.2	2669.9	2950.4	2489.3
42.5°	2448.5	2468.5	2557.2	2656.6	2685.1	2629.1	2651.0	2665.5	2818.3	3125.9	2631.0
45°	2543.8	2565.3	2688.5	2808.3	2875.1	2843.5	2878.4	2884.0	3004.9	3364.8	2836.9
47.5°	2688.1	2712.6	2856.2	2981.9	3083.9	3087.3	3144.8	3142.6	3237.9	3638.2	3096.2
50°	2912.9	2948.2	3065.8	3183.4	3307.3	3376.3	3453.1	3442.3	3517.2	3929.4	3394.8
52.5°	3207.5	3223.8	3311.0	3397.8	3551.7	3706.4	3816.6	3807.0	3834.1	4228.8	3733.9
55°	3512.8	3525.0	3561.0	3608.5	3815.5	4067.8	4300.8	4285.5	4216.9	4539.7	4068.9
57.5°	3787.3	3812.2	3837.0	3856.7	4081.1	4445.4	4796.0	4797.1	4632.4	4875.0	4415.0
60°	3830.0	3851.9	4016.2	4171.3	4535.6	4949.2	5326.1	5315.0	5062.4	5239.0	4800.8
62.5°	3385.5	3434.9	3709.4	4121.9	4973.3	5870.7	6002.4	5988.7	5576.5	5687.5	5250.1
65°	2426.2	2482.2	2813.5	3433.4	4761.1	6886.1	7222.9	7038.2	6277.7	6239.1	5776.1
67.5°	1399.7	1413.1	1556.6	2054.5	3625.2	6939.2	9084.9	8826.3	7366.5	6865.0	6033.6
70°	1035.0	1034.7	1068.8	1264.3	1961.7	5663.4	9970.4	10202.3	8512.8	7070.8	5669.7
71°	936.0	937.1	975.3	1150.8	1553.7	4740.4	9782.3	10289.8	8814.8	6969.2	5406.3
72.5°	800.6	804.3	857.3	1032.1	1307.0	3269.1	8972.1	9764.5	8958.0	6718.4	4994.1
75°	607.3	615.8	689.3	869.9	1194.6	1657.9	6584.9	7797.2	7957.9	5928.2	3710.9
77.5°	433.3	442.9	526.0	731.6	1135.6	1249.5	4409.8	5687.5	5856.3	3799.2	1673.9
80°	273.8	285.3	348.0	582.1	1066.9	1186.4	2771.2	3822.9	3193.4	1215.7	425.9
82.5°	160.6	169.5	215.9	380.3	871.4	1142.6	1630.4	2119.0	1242.8	367.3	193.7
85°	93.1	97.2	134.7	242.2	632.9	1078.4	1197.9	1184.5	539.4	179.6	91.6
87.5°	43.4	48.2	79.8	126.5	351.3	781.7	946.7	818.0	335.4	84.2	43.0
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°	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8	2950.8
2.5°	2925.2	2918.9	2892.5	2869.1	2844.7	2812.8	2777.5	2773.1	2751.5	2755.6	2748.2
5°	2867.3	2851.3	2787.9	2730.4	2662.5	2601.7	2535.6	2505.2	2461.4	2458.5	2447.3
7.5°	2784.6	2754.9	2656.6	2547.5	2438.4	2334.6	2231.8	2164.3	2095.3	2066.0	2063.4
10°	2691.4	2641.0	2496.3	2334.9	2177.6	2025.9	1879.0	1770.3	1672.4	1626.0	1624.1
12.5°	2603.2	2528.6	2330.1	2110.5	1895.3	1698.7	1497.3	1354.4	1231.6	1190.5	1173.0
15°	2528.2	2423.2	2168.4	1887.5	1626.4	1353.3	1124.1	973.8	860.3	821.0	813.6
17.5°	2455.5	2320.5	2002.5	1662.4	1346.7	1046.5	816.9	705.2	644.8	628.8	628.4
20°	2383.2	2214.7	1829.3	1432.0	1076.2	782.8	628.1	578.0	557.6	555.7	552.8
22.5°	2301.2	2102.7	1647.1	1200.9	839.9	615.5	533.8	513.8	511.2	517.9	517.9
25°	2224.4	1991.4	1462.4	974.6	653.3	513.4	476.7	472.6	479.7	491.5	492.7
27.5°	2152.8	1884.2	1282.1	773.5	523.5	452.2	437.0	441.8	454.4	468.2	468.5
30°	2093.8	1782.9	1107.0	609.5	442.2	406.6	404.0	413.6	427.4	438.1	440.7
32.5°	2048.2	1696.5	937.8	490.1	389.2	372.5	374.7	382.8	391.4	397.3	401.4
35°	2027.0	1622.3	781.7	413.3	355.4	346.1	349.1	353.5	357.3	361.7	365.0
37.5°	2030.7	1564.8	642.2	365.4	332.8	327.9	327.9	327.9	327.9	330.2	330.5
40°	2065.2	1531.8	528.6	335.0	317.6	312.4	308.3	304.6	301.6	303.1	302.3
42.5°	2153.5	1528.8	445.5	315.7	305.3	296.8	288.6	283.4	279.7	281.2	281.9
45°	2303.4	1565.9	389.5	302.0	293.8	280.8	270.4	264.9	262.3	267.1	267.8
47.5°	2497.4	1646.8	355.4	292.0	283.1	266.0	254.9	249.7	250.4	257.5	259.3
50°	2747.5	1778.1	339.1	285.7	275.6	253.4	241.9	237.4	239.7	249.7	251.9
52.5°	3022.0	1967.3	340.9	283.8	270.8	244.1	231.9	226.7	230.4	239.7	241.5
55°	3338.8	2194.7	371.7	286.4	263.8	238.2	223.7	214.8	217.8	226.3	227.8
57.5°	3690.9	2455.1	433.7	285.7	254.9	232.6	215.2	201.8	204.0	209.2	210.7
60°	4057.4	2769.7	529.8	287.9	250.8	225.9	203.7	187.0	186.2	190.7	191.4
62.5°	4497.4	3133.7	639.6	289.4	253.4	217.4	188.5	172.1	169.9	171.0	171.8
65°	4950.7	3397.0	598.4	283.4	261.5	210.3	175.1	157.7	153.6	152.8	153.2
67.5°	4964.8	3114.7	419.6	271.6	264.9	206.6	165.1	145.4	138.7	136.1	135.8
70°	4452.5	2530.4	326.8	258.9	251.5	200.7	155.8	135.4	125.4	121.3	120.9
71°	4202.4	2329.4	309.8	252.6	241.5	194.8	151.7	131.0	120.6	116.1	115.4
72.5°	3810.3	2088.2	289.0	242.6	222.2	179.6	143.9	124.6	113.9	108.7	107.6
75°	2734.5	1365.6	248.2	216.3	184.0	143.2	126.1	112.0	102.8	96.5	95.7
77.5°	1053.6	543.5	187.7	179.9	141.0	112.0	103.9	96.8	90.1	83.8	83.5
80°	325.7	243.0	136.9	135.4	102.0	83.5	80.9	79.0	76.4	69.7	68.3
82.5°	174.0	139.5	94.2	87.6	66.8	55.6	58.6	59.4	59.7	52.7	51.9
85°	83.1	73.8	53.0	49.7	39.0	31.2	36.0	39.0	39.3	32.3	30.0
87.5°	39.7	38.6	24.9	18.9	14.5	10.4	12.6	15.6	17.1	12.2	10.8
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)