

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: P318376

Luminaire Tested: **GAN-SA2D-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318376
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-14)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA2D-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(2) 70 CRI, 3000K, 1200mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 14460 lumens
Efficiency: N/A
Efficacy: 112.1 lumens/watt
Luminous Opening: Rectangular (W 0.5' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G2

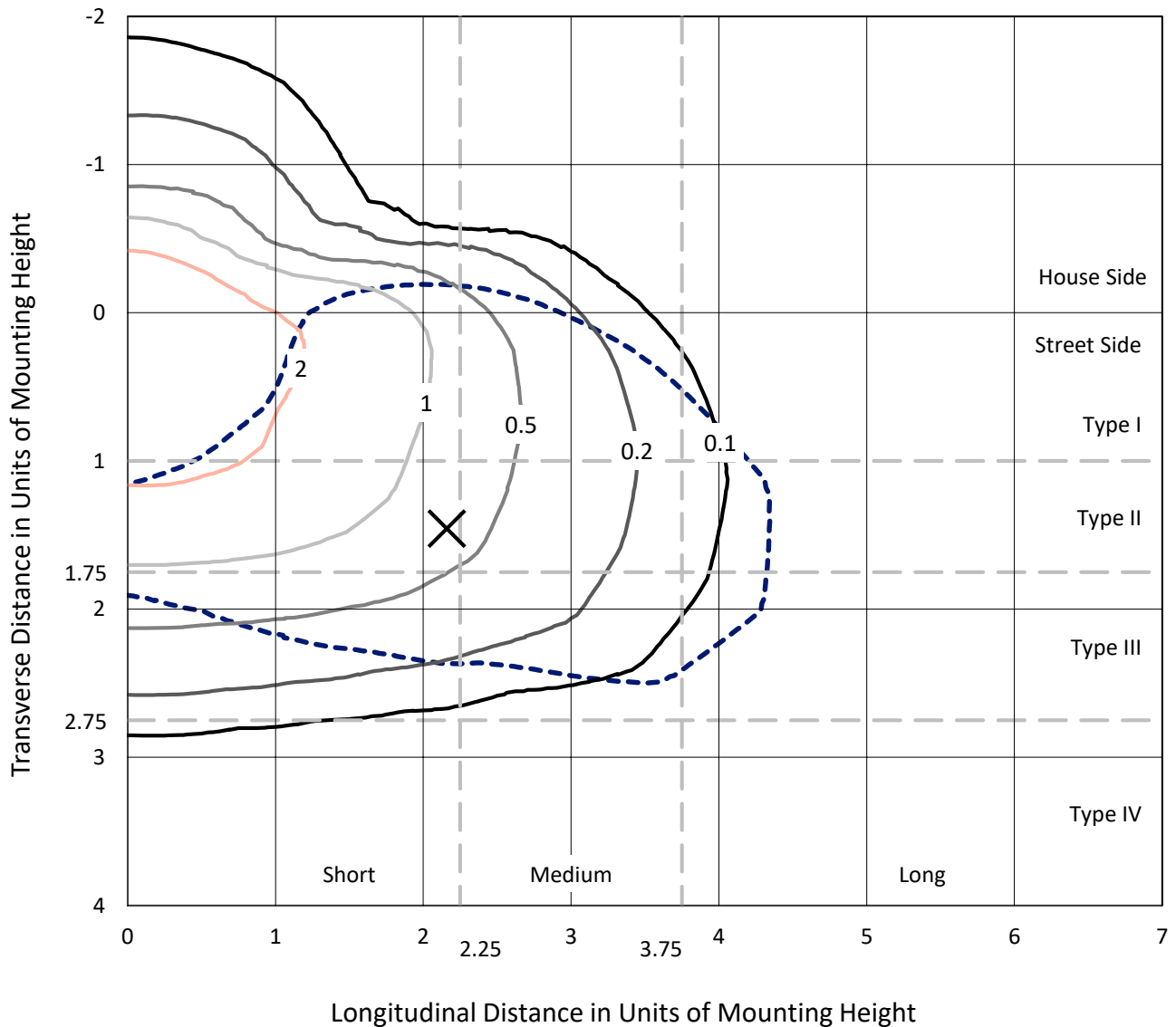
Input Watts (W): 129
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318376
 CATALOG NUMBER: GAN-SA2D-730-U-T3

Iso-Footcandle Lines of Horizontal Illumination

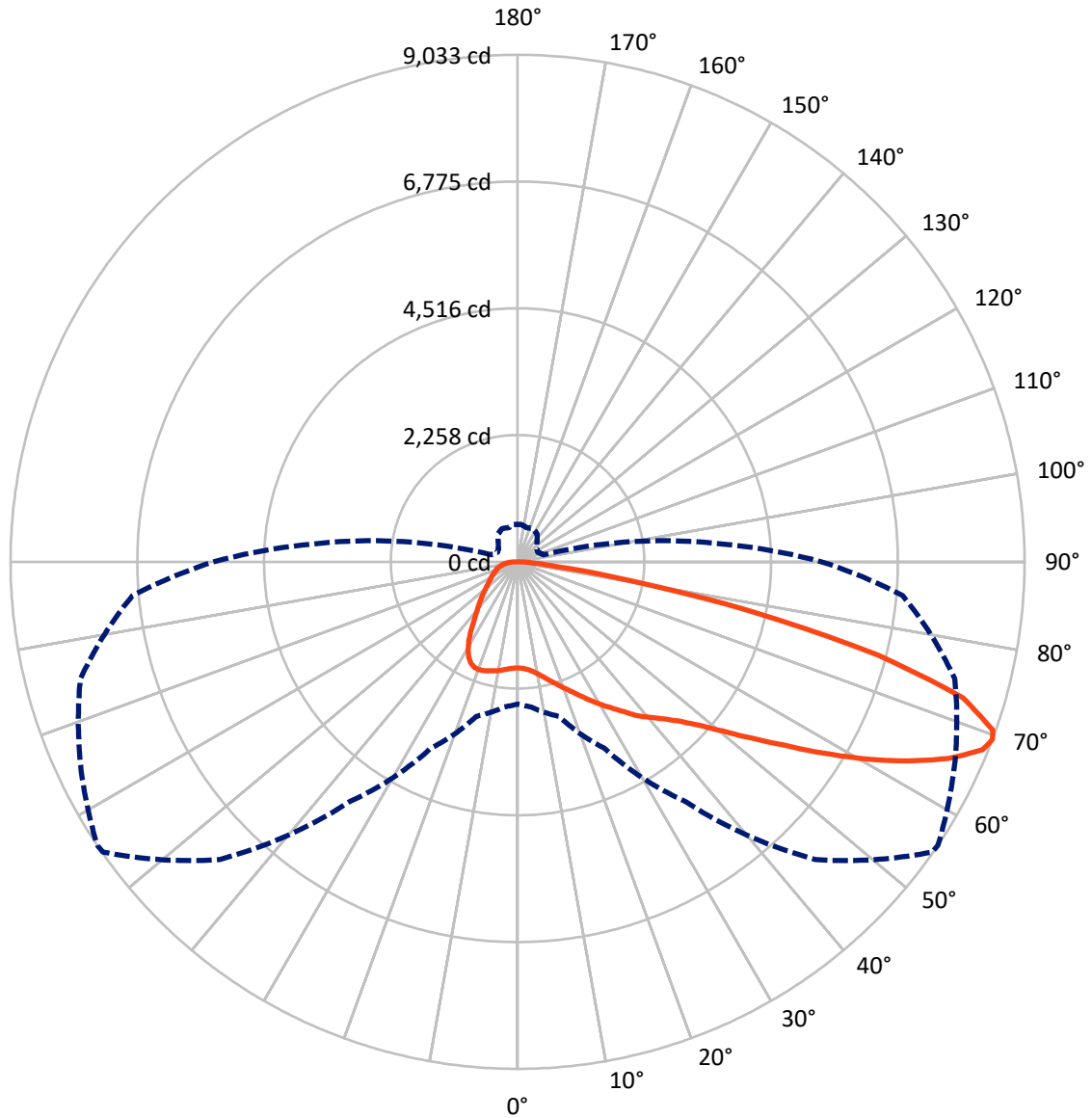
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.3 fc
 Type III - Short - N/A

REPORT NUMBER: P318376
CATALOG NUMBER: GAN-SA2D-730-U-T3

Luminous Intensity Polar Plot



— Vertical Plane Through 56-Deg Lateral - - - Horizontal Cone Through 69-Deg Vertical

REPORT NUMBER: P318376
 CATALOG NUMBER: GAN-SA2D-730-U-T3

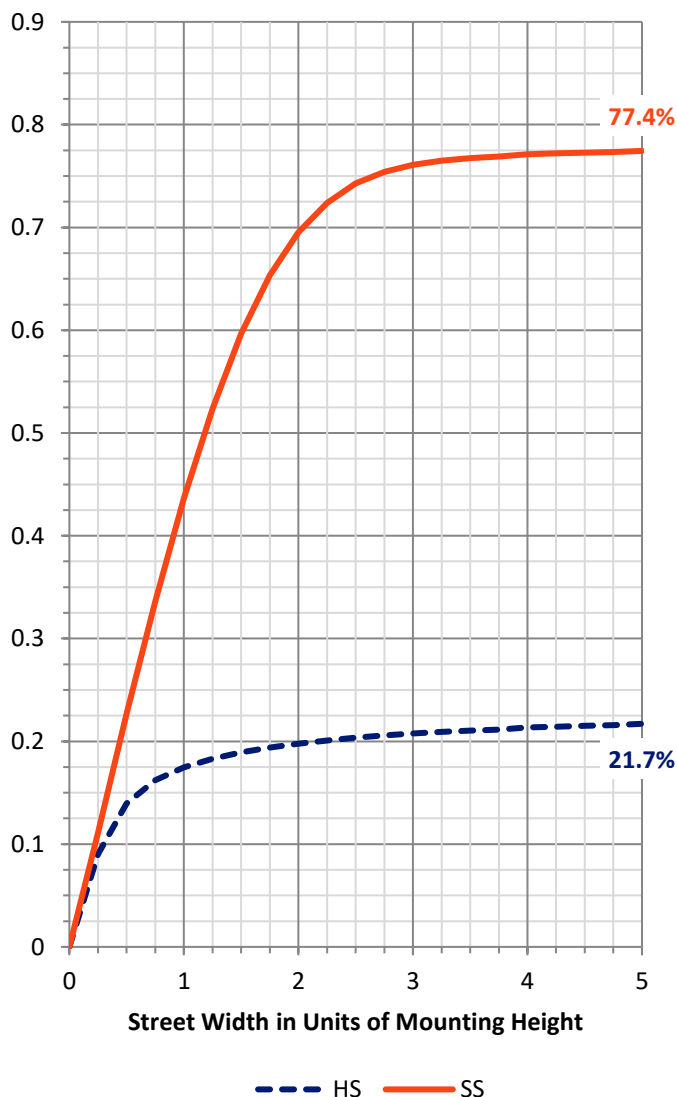
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3220.2	0.0	3220.2
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	11239.8	0.0	11239.8
	% Fixture	77.7	0.0	77.7
Total	Lumens	14460.0	0.0	14460.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	185.7	1.3
10°-20°	597.0	4.1
20°-30°	1042.2	7.2
30°-40°	1497.1	10.4
40°-50°	2071.9	14.3
50°-60°	3035.6	21.0
60°-70°	3701.0	25.6
70°-80°	2046.1	14.2
80°-90°	283.4	2.0
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°	14460.0	100.0
0°-180°	14460.0	100.0

Coefficient of Utilization



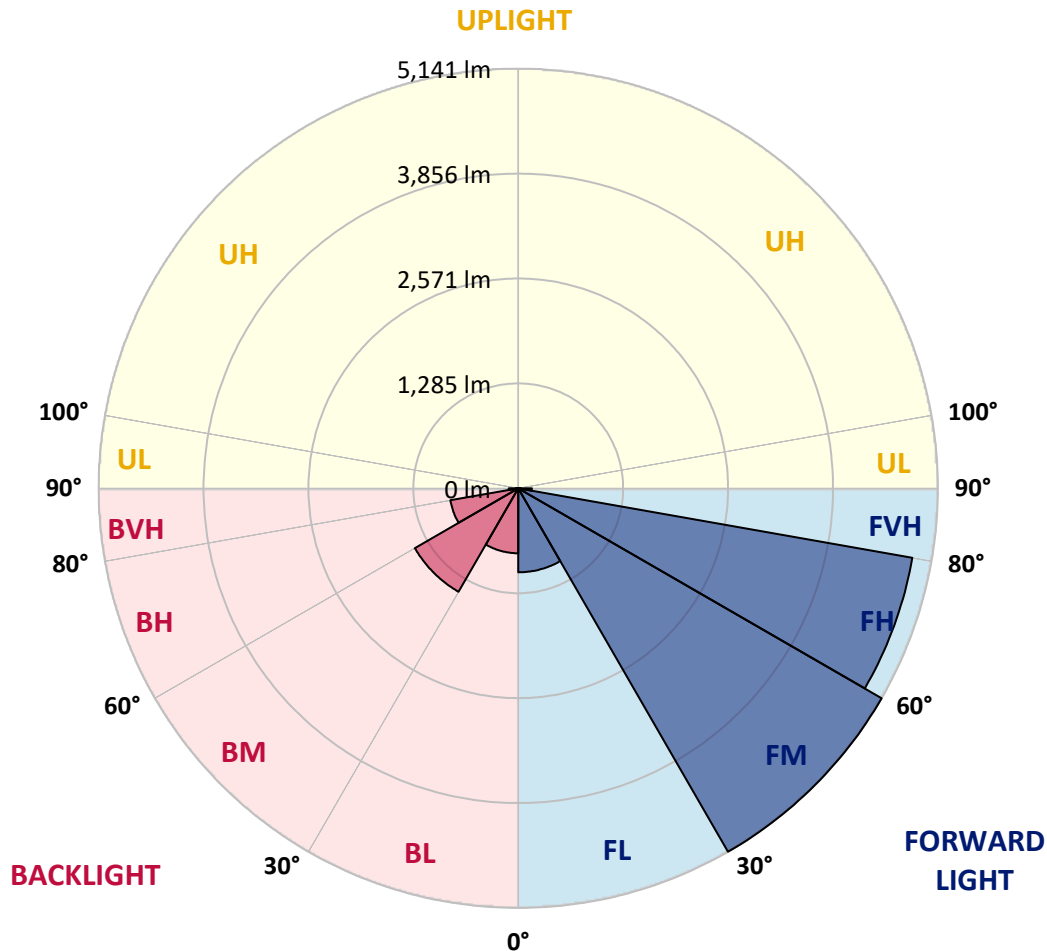
REPORT NUMBER: P318376
 CATALOG NUMBER: GAN-SA2D-730-U-T3

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1029.1	7.1			
FM (30°-60°)	5141.1	35.6			
FH (60°-80°)	4902.7	33.9			G2/5000
FVH (80°-90°)	166.9	1.2			G2/225
BL (0°-30°)	795.8	5.5	B2/1000		
BM (30°-60°)	1463.5	10.1	B2/2500		
BH (60°-80°)	844.4	5.8	B2/1000		G2/1000
BVH (80°-90°)	116.5	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B2-U0-G2

Type III Short





REPORT NUMBER: P318376

CATALOG NUMBER: GAN-SA2D-730-U-T3

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4
2.5°	1902.4	1904.4	1902.9	1906.9	1902.4	1905.4	1902.9	1902.9	1901.4	1896.9	1891.9
5°	1932.3	1936.3	1933.8	1937.8	1932.3	1933.3	1928.8	1928.8	1924.3	1914.8	1904.9
7.5°	1979.1	1983.6	1981.6	1985.6	1978.1	1978.1	1972.1	1971.6	1962.7	1947.2	1935.8
10°	2034.9	2040.9	2038.9	2044.8	2038.9	2040.9	2034.9	2034.9	2022.9	2001.0	1986.6
12.5°	2116.1	2123.6	2118.1	2117.6	2115.1	2119.1	2114.1	2113.1	2102.1	2072.2	2052.3
15°	2224.7	2232.6	2221.2	2220.2	2206.2	2204.8	2204.8	2203.3	2196.3	2160.4	2127.5
17.5°	2349.7	2352.2	2342.2	2326.3	2308.4	2296.9	2295.4	2299.4	2299.4	2257.6	2205.2
20°	2472.3	2476.7	2468.8	2450.8	2427.9	2411.0	2399.0	2407.0	2406.5	2356.7	2282.5
22.5°	2605.8	2616.2	2604.3	2581.3	2554.4	2535.5	2514.6	2521.6	2522.1	2460.8	2358.2
25°	2778.6	2769.1	2761.7	2729.3	2690.9	2671.5	2652.1	2659.1	2657.1	2572.9	2436.4
27.5°	2931.5	2933.5	2923.6	2889.2	2844.9	2802.0	2801.0	2805.5	2798.0	2689.4	2510.1
30°	3109.4	3110.4	3096.4	3065.5	3017.2	2961.9	2949.0	2956.4	2940.5	2800.0	2587.8
32.5°	3286.2	3291.2	3275.7	3238.4	3199.5	3132.3	3106.4	3111.4	3071.5	2913.1	2668.0
35°	3441.1	3448.1	3443.1	3418.2	3375.9	3318.1	3287.2	3284.2	3234.9	3051.6	2774.1
37.5°	3599.0	3605.5	3600.0	3579.1	3562.2	3500.9	3484.5	3484.5	3398.8	3193.1	2909.1
40°	3761.4	3771.4	3764.9	3736.0	3721.6	3693.7	3654.3	3644.9	3552.2	3362.9	3129.3
42.5°	3912.4	3925.3	3951.2	3934.3	3904.9	3908.9	3829.7	3824.7	3756.9	3614.0	3405.8
45°	4126.6	4145.5	4189.3	4176.4	4170.4	4148.5	4054.3	4049.8	4023.9	3951.7	3749.0
47.5°	4360.2	4386.1	4465.3	4467.8	4532.0	4490.7	4362.7	4347.2	4353.2	4356.2	4167.9
50°	4575.4	4603.8	4733.8	4795.1	4946.5	4955.5	4750.7	4736.8	4760.2	4828.9	4656.1
52.5°	4747.2	4783.1	4945.5	5134.8	5394.3	5468.0	5228.4	5218.0	5235.4	5354.0	5208.0
55°	4873.3	4912.1	5089.0	5433.7	5848.1	5978.1	5778.4	5768.4	5779.4	5930.3	5808.3
57.5°	4902.7	4912.1	5168.7	5634.9	6231.2	6543.5	6451.4	6431.4	6377.6	6509.1	6470.8
60°	4764.7	4802.5	5102.9	5705.7	6527.6	7100.9	7154.7	7129.8	6978.9	7086.5	7055.6
62.5°	4484.7	4552.5	4857.3	5598.1	6643.6	7556.2	7844.7	7814.8	7554.7	7624.5	7476.0
65°	4027.4	4056.3	4376.6	5226.9	6496.2	7847.6	8459.8	8444.9	8117.6	8008.5	7553.7
67.5°	3209.5	3263.8	3535.8	4451.3	5893.0	7813.3	8935.6	8934.1	8485.3	8151.0	7278.3
69°	2535.5	2591.8	2850.8	3666.8	5214.5	7498.9	9015.3	9032.7	8588.9	8064.3	6884.7
70°	2021.4	2086.7	2264.5	3088.4	4612.2	7084.5	8949.0	8980.4	8568.9	7921.4	6521.6
72.5°	860.3	913.1	1039.6	1592.0	2811.0	5290.2	8182.4	8300.9	8107.2	7249.9	5389.8
75°	375.6	392.0	449.3	649.1	1247.8	2879.2	6410.0	6629.2	6932.1	6128.1	4015.0
77.5°	275.0	281.9	313.3	381.1	559.9	1087.4	4122.1	4249.6	4999.3	4459.3	2462.8
80°	212.7	217.7	242.1	280.0	365.6	439.9	1880.0	1989.6	2811.0	2290.4	1025.7
82.5°	169.4	172.9	189.8	206.2	252.6	266.5	624.2	692.4	1037.6	632.6	271.5
85°	157.4	161.4	167.4	150.4	161.9	156.4	270.0	282.4	313.3	248.6	113.6
87.5°	71.2	84.2	165.9	117.1	86.2	68.7	110.6	115.6	130.0	130.5	50.3
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: P318376
 CATALOG NUMBER: GAN-SA2D-730-U-T3

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4	1890.4
2.5°	1894.9	1893.4	1895.9	1889.9	1897.4	1896.9	1894.4	1895.4	1900.4	1899.9	1900.4
5°	1906.4	1905.4	1908.4	1903.9	1912.8	1915.8	1916.3	1920.8	1926.3	1927.8	1927.8
7.5°	1935.3	1935.3	1936.8	1930.8	1936.8	1936.3	1933.8	1938.2	1943.7	1944.2	1943.7
10°	1985.1	1985.6	1983.1	1967.6	1962.7	1949.2	1936.8	1937.3	1944.2	1949.7	1951.2
12.5°	2047.8	2045.8	2034.9	2006.5	1985.6	1958.2	1945.2	1944.7	1951.7	1956.2	1957.7
15°	2119.6	2114.1	2085.7	2039.4	2002.5	1975.6	1954.7	1949.7	1945.7	1940.7	1941.2
17.5°	2187.3	2174.9	2127.5	2063.3	2024.4	1988.6	1948.2	1915.8	1893.4	1880.5	1876.5
20°	2256.1	2231.7	2163.4	2085.7	2036.4	1971.1	1893.4	1827.7	1786.8	1767.9	1764.4
22.5°	2318.8	2279.5	2196.8	2109.1	2026.9	1912.3	1790.3	1694.7	1637.9	1612.5	1614.5
25°	2380.1	2325.3	2231.7	2125.5	1979.1	1808.7	1646.8	1529.3	1463.5	1435.1	1434.1
27.5°	2433.9	2371.6	2269.5	2112.1	1889.9	1661.3	1477.0	1362.4	1307.6	1283.2	1279.2
30°	2495.7	2429.9	2319.8	2060.8	1759.4	1490.9	1311.1	1230.4	1191.5	1167.1	1162.7
32.5°	2570.9	2509.1	2361.2	1967.6	1592.5	1313.1	1181.6	1125.3	1089.9	1062.5	1057.5
35°	2680.5	2613.7	2371.6	1834.1	1409.2	1172.6	1086.4	1028.7	980.8	945.5	942.0
37.5°	2818.0	2744.7	2347.7	1661.3	1231.4	1081.5	1007.2	936.0	873.7	823.9	815.9
40°	3016.2	2905.6	2281.5	1462.0	1100.4	1011.2	930.0	848.8	771.6	713.3	701.9
42.5°	3254.3	3094.4	2179.8	1263.8	1004.2	940.0	853.3	752.7	679.0	637.6	631.6
45°	3557.2	3290.7	2038.9	1090.4	909.6	868.7	770.6	678.0	632.1	601.7	596.8
47.5°	3902.9	3510.9	1890.9	949.4	829.4	802.0	704.4	644.6	608.2	584.3	579.8
50°	4327.8	3759.4	1734.0	833.9	748.7	721.8	673.0	626.2	597.3	578.8	574.4
52.5°	4807.0	4039.9	1620.9	742.7	681.9	662.5	656.5	616.2	592.8	578.8	574.4
55°	5323.1	4325.3	1498.9	666.0	624.2	629.6	645.6	617.2	601.3	584.3	577.8
57.5°	5839.7	4620.2	1362.9	601.3	578.3	605.2	638.1	619.2	605.7	589.3	583.3
60°	6248.1	4807.0	1152.2	547.0	542.0	578.3	620.2	604.2	586.8	587.3	586.3
62.5°	6438.9	4797.1	919.6	498.6	505.6	542.0	591.3	580.8	566.4	585.8	587.3
65°	6331.8	4557.9	715.8	454.8	466.8	504.1	561.4	569.4	574.4	611.7	616.7
67.5°	5882.5	4092.7	554.4	416.4	431.4	478.2	564.4	620.2	626.7	666.0	665.5
69°	5417.7	3656.3	481.7	396.5	414.0	484.7	603.2	652.6	628.1	670.0	664.0
70°	5028.2	3311.1	442.8	383.1	406.0	496.1	629.1	652.1	620.7	656.5	646.6
72.5°	3872.5	2382.1	375.6	358.2	379.1	474.7	636.6	637.6	603.2	610.2	593.3
75°	2656.1	1505.4	327.8	324.3	338.2	427.9	612.7	609.2	557.9	547.9	534.0
77.5°	1464.5	764.6	278.5	291.9	301.4	379.1	556.9	551.9	509.6	488.7	483.7
80°	564.9	334.7	235.1	259.5	265.5	328.3	488.2	483.7	448.3	421.4	414.0
82.5°	213.2	175.3	194.3	224.7	222.7	271.0	413.5	411.0	376.6	337.2	325.3
85°	98.6	105.1	153.9	185.3	170.9	200.7	330.8	335.2	293.4	246.6	246.6
87.5°	41.8	58.8	109.1	140.0	115.1	135.5	242.6	231.6	212.7	147.4	138.5
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)