

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: P318357

Luminaire Tested: **GAN-SA3B-730-U-T3**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318357
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-SA3B-730-U-T3
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(3) 70 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE III OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 15892 lumens
Efficiency: N/A
Efficacy: 128.2 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Short
BUG Rating: B2 - U0 - G3

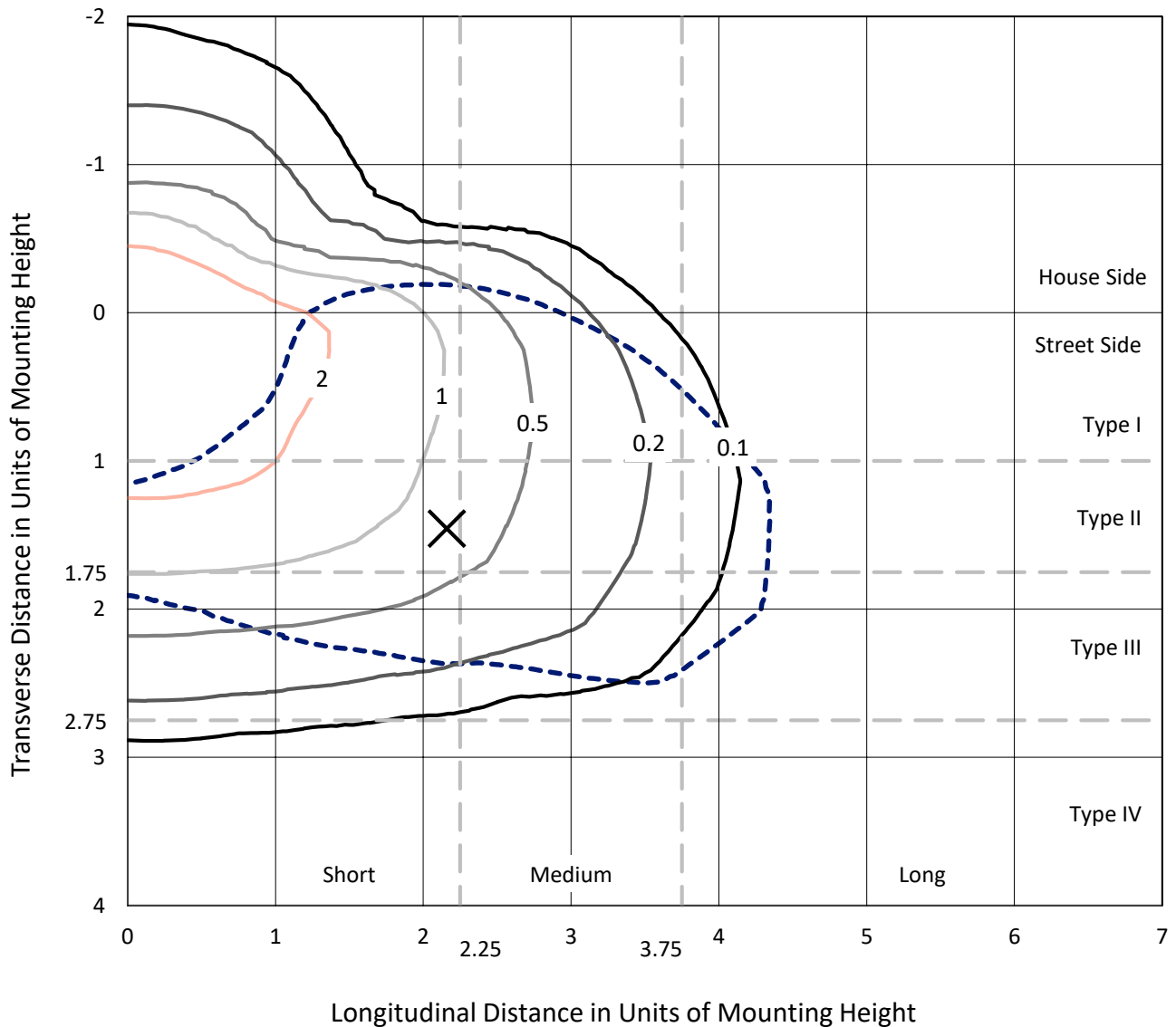
Input Watts (W): 124
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

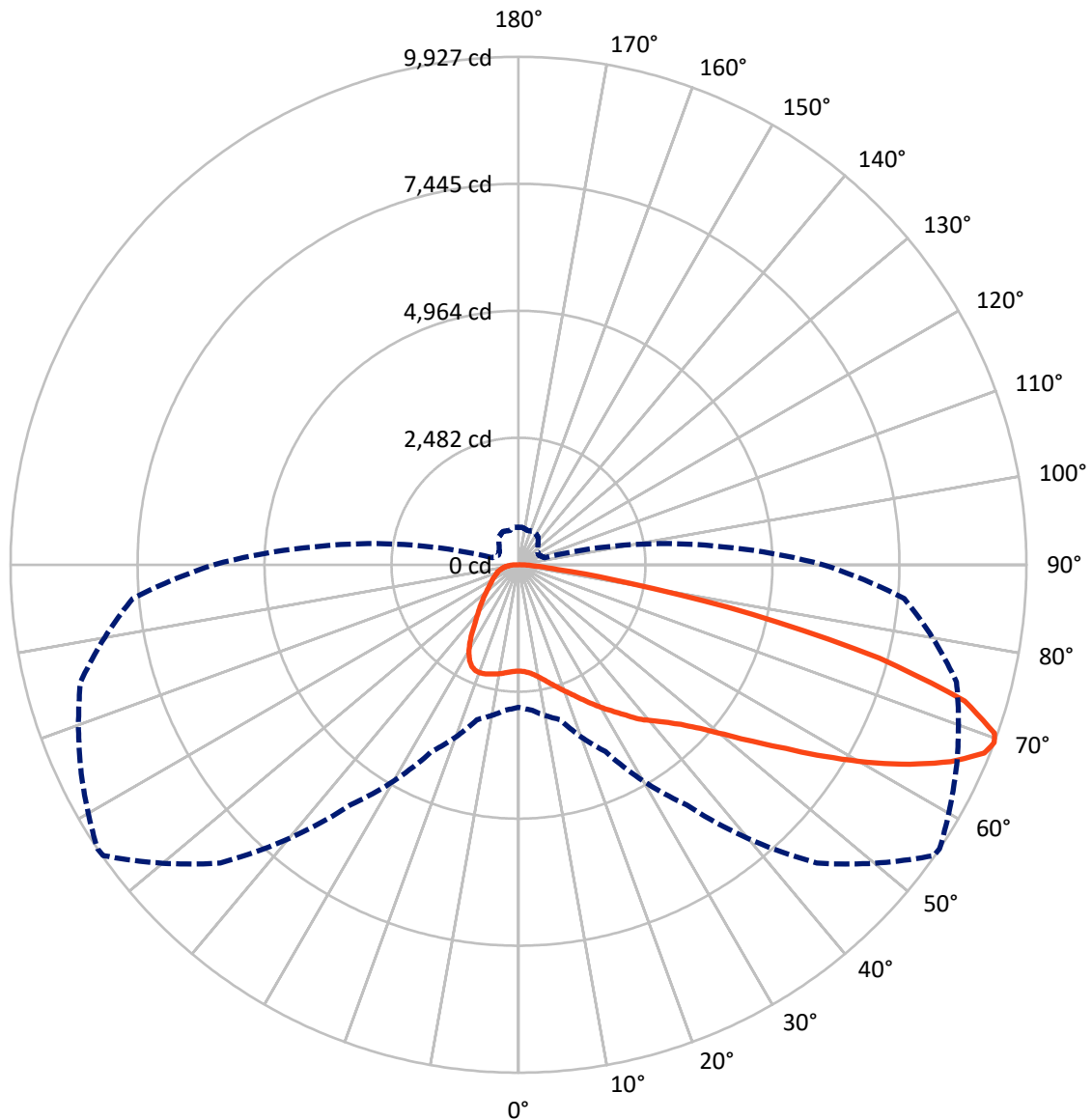
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 3.6 fc
 Type III - Short - N/A

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Luminous Intensity Polar Plot



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

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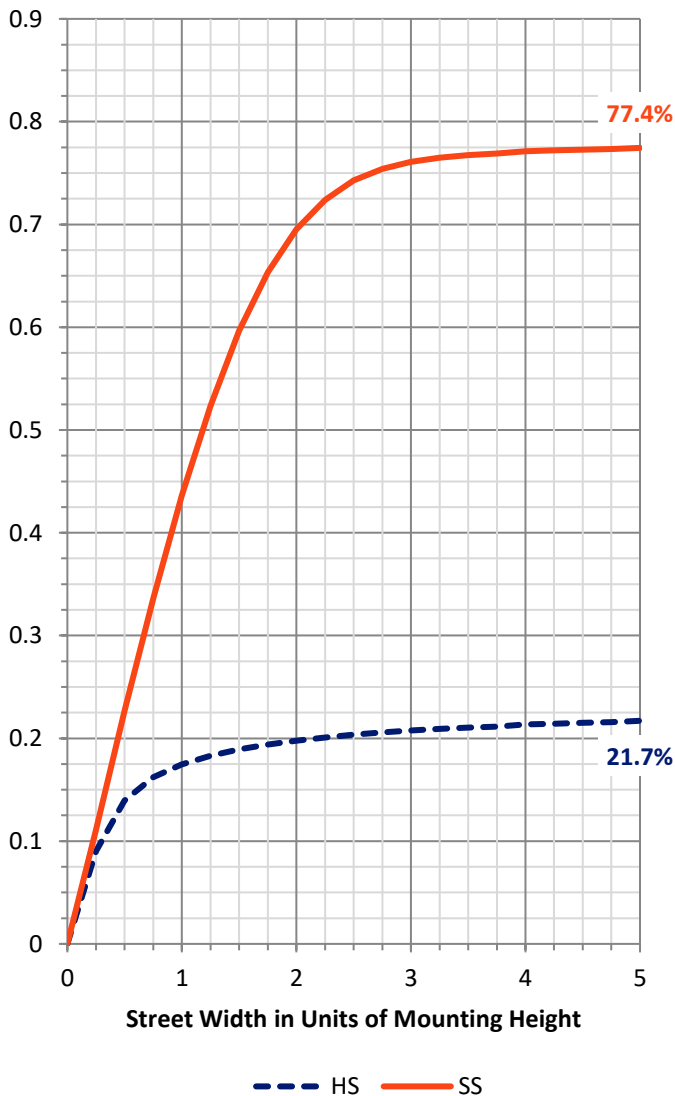
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	3539.1	0.0	3539.1
	% Fixture	22.3	0.0	22.3
Street Side	Lumens	12352.9	0.0	12352.9
	% Fixture	77.7	0.0	77.7
Total	Lumens	15892.0	0.0	15892.0
	% Fixture	100.0	0.0	100.0

Coefficient of Utilization

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	204.1	1.3
10°-20°	656.2	4.1
20°-30°	1145.4	7.2
30°-40°	1645.3	10.4
40°-50°	2277.1	14.3
50°-60°	3336.2	21.0
60°-70°	4067.5	25.6
70°-80°	2248.8	14.2
80°-90°	311.5	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°	15892.0	100.0
0°-180°	15892.0	100.0



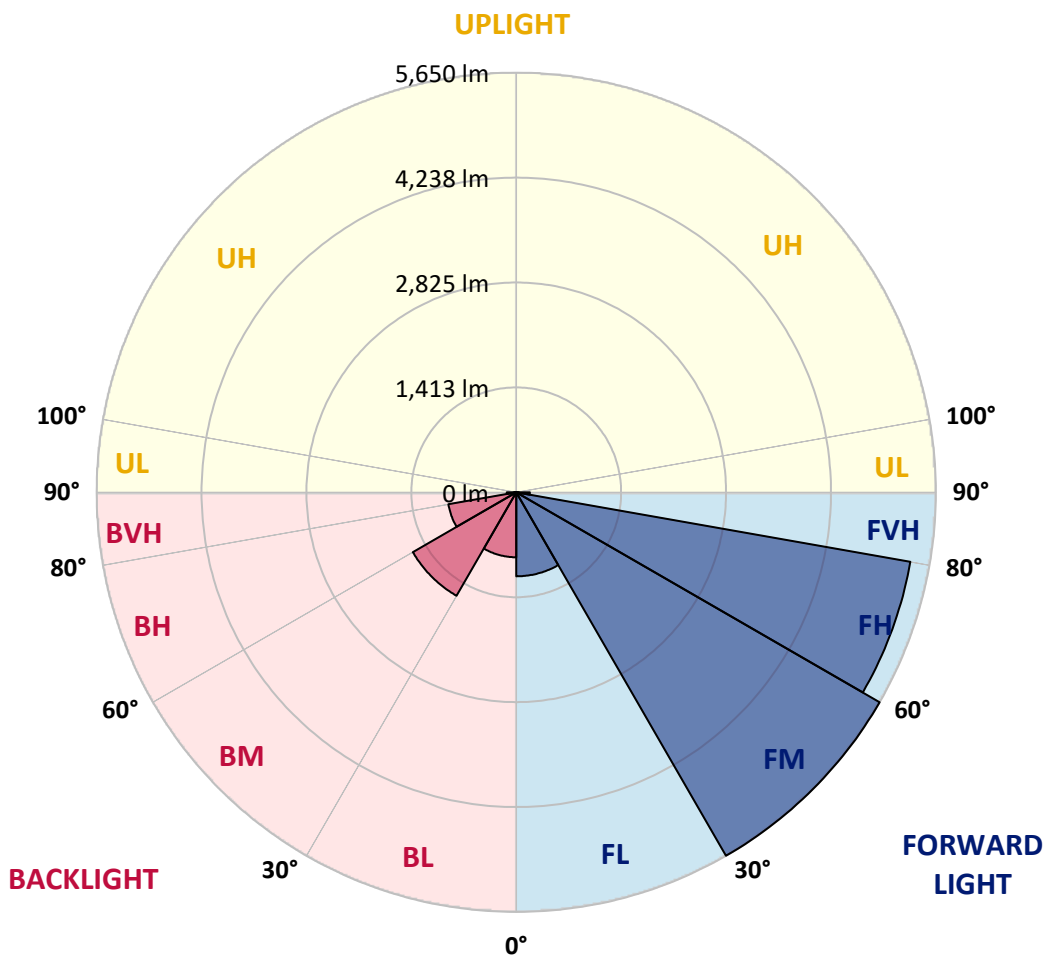
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1131.0	7.1			
FM (30°-60°)	5650.2	35.6			
FH (60°-80°)	5388.2	33.9			G3/7500
FVH (80°-90°)	183.5	1.2			G2/225
BL (0°-30°)	874.6	5.5	B2/1000		
BM (30°-60°)	1608.5	10.1	B2/2500		
BH (60°-80°)	928.1	5.8	B2/1000		G2/1000
BVH (80°-90°)	128.0	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-G3

Type III Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	56°	65°	75°	85°
0°	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6
2.5°	2090.8	2093.0	2091.3	2095.7	2090.8	2094.1	2091.3	2091.3	2089.7	2084.8	2079.3
5°	2123.6	2128.0	2125.3	2129.6	2123.6	2124.7	2119.8	2119.8	2114.9	2104.5	2093.5
7.5°	2175.1	2180.0	2177.8	2182.2	2174.0	2174.0	2167.4	2166.9	2157.0	2140.1	2127.5
10°	2236.4	2243.0	2240.8	2247.4	2240.8	2243.0	2236.4	2236.4	2223.3	2199.2	2183.3
12.5°	2325.6	2333.9	2327.8	2327.3	2324.5	2328.9	2323.5	2322.4	2310.3	2277.5	2255.6
15°	2445.0	2453.8	2441.2	2440.1	2424.7	2423.1	2423.1	2421.4	2413.8	2374.4	2338.2
17.5°	2582.4	2585.1	2574.2	2556.7	2537.0	2524.4	2522.7	2527.1	2527.1	2481.1	2423.6
20°	2717.1	2722.0	2713.2	2693.5	2668.4	2649.7	2636.6	2645.4	2644.8	2590.1	2508.5
22.5°	2863.8	2875.3	2862.2	2837.0	2807.4	2786.6	2763.6	2771.3	2771.8	2704.5	2591.7
25°	3053.8	3043.4	3035.2	2999.6	2957.4	2936.1	2914.7	2922.4	2920.2	2827.7	2677.7
27.5°	3221.8	3224.0	3213.1	3175.3	3126.6	3079.5	3078.4	3083.3	3075.1	2955.8	2758.7
30°	3417.3	3418.4	3403.1	3369.1	3316.0	3255.2	3241.0	3249.2	3231.7	3077.3	2844.1
32.5°	3611.6	3617.1	3600.1	3559.1	3516.4	3442.5	3414.0	3419.5	3375.7	3201.6	2932.2
35°	3781.9	3789.6	3784.1	3756.7	3710.2	3646.7	3612.7	3609.5	3555.3	3353.8	3048.8
37.5°	3955.5	3962.6	3956.5	3933.6	3914.9	3847.6	3829.5	3829.5	3735.4	3509.3	3197.2
40°	4133.9	4144.9	4137.8	4106.0	4090.1	4059.5	4016.2	4005.8	3904.0	3696.0	3439.2
42.5°	4299.8	4314.0	4342.5	4323.9	4291.6	4296.0	4208.9	4203.5	4129.0	3971.9	3743.0
45°	4535.2	4556.0	4604.2	4590.0	4583.4	4559.3	4455.8	4450.9	4422.4	4343.1	4120.2
47.5°	4792.0	4820.5	4907.5	4910.2	4980.9	4935.4	4794.7	4777.8	4784.3	4787.6	4580.7
50°	5028.5	5059.7	5202.6	5269.9	5436.4	5446.2	5221.2	5205.9	5231.6	5307.2	5117.2
52.5°	5217.4	5256.8	5435.3	5643.3	5928.5	6009.6	5746.2	5734.7	5753.9	5884.2	5723.8
55°	5355.9	5398.6	5592.9	5971.8	6427.3	6570.2	6350.6	6339.7	6351.7	6517.6	6383.5
57.5°	5388.2	5398.6	5680.5	6193.0	6848.3	7191.5	7090.3	7068.4	7009.2	7153.8	7111.6
60°	5236.5	5278.1	5608.3	6270.7	7174.0	7804.2	7863.3	7835.9	7670.0	7788.3	7754.3
62.5°	4928.9	5003.3	5338.4	6152.4	7301.6	8304.5	8621.5	8588.7	8302.9	8379.5	8216.4
65°	4426.3	4458.0	4810.1	5744.6	7139.5	8624.8	9297.6	9281.2	8921.5	8801.6	8301.8
67.5°	3527.3	3587.0	3885.9	4892.2	6476.5	8587.0	9820.5	9818.8	9325.6	8958.2	7999.1
69°	2786.6	2848.5	3133.2	4029.9	5730.9	8241.6	9908.1	9927.2	9439.4	8863.0	7566.6
70°	2221.6	2293.3	2488.8	3394.3	5069.0	7786.1	9835.3	9869.7	9417.5	8705.8	7167.4
72.5°	945.5	1003.5	1142.6	1749.7	3089.4	5814.1	8992.7	9123.0	8910.0	7967.8	5923.6
75°	412.8	430.9	493.8	713.4	1371.4	3164.4	7044.8	7285.7	7618.6	6734.9	4412.6
77.5°	302.2	309.9	344.4	418.8	615.4	1195.1	4530.3	4670.4	5494.4	4900.9	2706.7
80°	233.8	239.2	266.1	307.7	401.8	483.4	2066.1	2186.6	3089.4	2517.3	1127.2
82.5°	186.1	190.0	208.6	226.7	277.6	292.9	686.0	761.0	1140.4	695.3	298.4
85°	173.0	177.4	183.9	165.3	177.9	171.9	296.7	310.4	344.4	273.2	124.8
87.5°	78.3	92.5	182.3	128.7	94.7	75.6	121.5	127.0	142.9	143.4	55.3
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°	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6	2077.6
2.5°	2082.6	2080.9	2083.7	2077.1	2085.3	2084.8	2082.0	2083.1	2088.6	2088.0	2088.6
5°	2095.2	2094.1	2097.3	2092.4	2102.3	2105.6	2106.1	2111.0	2117.1	2118.7	2118.7
7.5°	2126.9	2126.9	2128.6	2122.0	2128.6	2128.0	2125.3	2130.2	2136.2	2136.8	2136.2
10°	2181.7	2182.2	2179.5	2162.5	2157.0	2142.2	2128.6	2129.1	2136.8	2142.8	2144.4
12.5°	2250.6	2248.4	2236.4	2205.2	2182.2	2152.1	2137.9	2137.3	2145.0	2149.9	2151.5
15°	2329.5	2323.5	2292.2	2241.3	2200.8	2171.3	2148.3	2142.8	2138.4	2132.9	2133.5
17.5°	2403.9	2390.2	2338.2	2267.6	2224.9	2185.5	2141.1	2105.6	2080.9	2066.7	2062.3
20°	2479.5	2452.7	2377.7	2292.2	2238.0	2166.3	2080.9	2008.7	1963.8	1943.0	1939.1
22.5°	2548.5	2505.2	2414.3	2318.0	2227.6	2101.7	1967.6	1862.5	1800.1	1772.2	1774.3
25°	2615.8	2555.6	2452.7	2336.0	2175.1	1987.9	1809.9	1680.7	1608.5	1577.3	1576.2
27.5°	2674.9	2606.5	2494.3	2321.3	2077.1	1825.8	1623.2	1497.3	1437.1	1410.3	1405.9
30°	2742.8	2670.5	2549.6	2264.9	1933.7	1638.6	1440.9	1352.2	1309.5	1282.7	1277.8
32.5°	2825.5	2757.6	2595.0	2162.5	1750.3	1443.1	1298.6	1236.7	1197.9	1167.7	1162.3
35°	2945.9	2872.6	2606.5	2015.8	1548.8	1288.7	1194.0	1130.5	1078.0	1039.1	1035.3
37.5°	3097.0	3016.5	2580.2	1825.8	1353.3	1188.6	1107.0	1028.7	960.3	905.5	896.8
40°	3314.9	3193.4	2507.4	1606.8	1209.4	1111.4	1022.1	932.9	848.0	784.0	771.4
42.5°	3576.6	3400.9	2395.7	1388.9	1103.7	1033.1	937.8	827.2	746.2	700.8	694.2
45°	3909.5	3616.6	2240.8	1198.4	999.7	954.8	846.9	745.1	694.7	661.3	655.9
47.5°	4289.4	3858.6	2078.2	1043.5	911.5	881.4	774.1	708.4	668.5	642.2	637.3
50°	4756.4	4131.7	1905.7	916.5	822.8	793.3	739.6	688.2	656.4	636.2	631.2
52.5°	5283.1	4440.0	1781.5	816.3	749.5	728.1	721.6	677.2	651.5	636.2	631.2
55°	5850.2	4753.7	1647.3	732.0	686.0	692.0	709.5	678.3	660.8	642.2	635.1
57.5°	6418.0	5077.8	1497.9	660.8	635.6	665.2	701.3	680.5	665.7	647.7	641.1
60°	6866.9	5283.1	1266.3	601.1	595.6	635.6	681.6	664.1	644.9	645.5	644.4
62.5°	7076.6	5272.1	1010.6	548.0	555.7	595.6	649.8	638.3	622.5	643.8	645.5
65°	6958.9	5009.3	786.7	499.8	513.0	554.0	617.0	625.8	631.2	672.3	677.8
67.5°	6465.0	4498.0	609.3	457.7	474.1	525.6	620.3	681.6	688.7	732.0	731.4
69°	5954.3	4018.4	529.4	435.8	454.9	532.7	663.0	717.2	690.4	736.3	729.8
70°	5526.1	3639.0	486.7	421.0	446.2	545.3	691.5	716.6	682.1	721.6	710.6
72.5°	4256.0	2618.0	412.8	393.6	416.6	521.7	699.7	700.8	663.0	670.6	652.0
75°	2919.1	1654.4	360.2	356.4	371.7	470.3	673.4	669.6	613.2	602.2	586.9
77.5°	1609.6	840.4	306.0	320.8	331.2	416.6	612.1	606.6	560.1	537.1	531.6
80°	620.8	367.9	258.4	285.2	291.8	360.8	536.5	531.6	492.7	463.2	454.9
82.5°	234.3	192.7	213.5	246.9	244.7	297.8	454.4	451.7	413.9	370.6	357.5
85°	108.4	115.5	169.2	203.7	187.8	220.6	363.5	368.4	322.5	271.0	271.0
87.5°	46.0	64.6	119.9	153.8	126.5	148.9	266.6	254.6	233.8	162.1	152.2
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)