

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: P318088

Luminaire Tested: **GAN-SA4C-740-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318088
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-12)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: STREETWORKS
Catalog Number: GAN-SA4C-740-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(4) 70 CRI, 4000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 28000 lumens
Efficiency: N/A
Efficacy: 124.4 lumens/watt
Luminous Opening: Rectangular (W 1' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

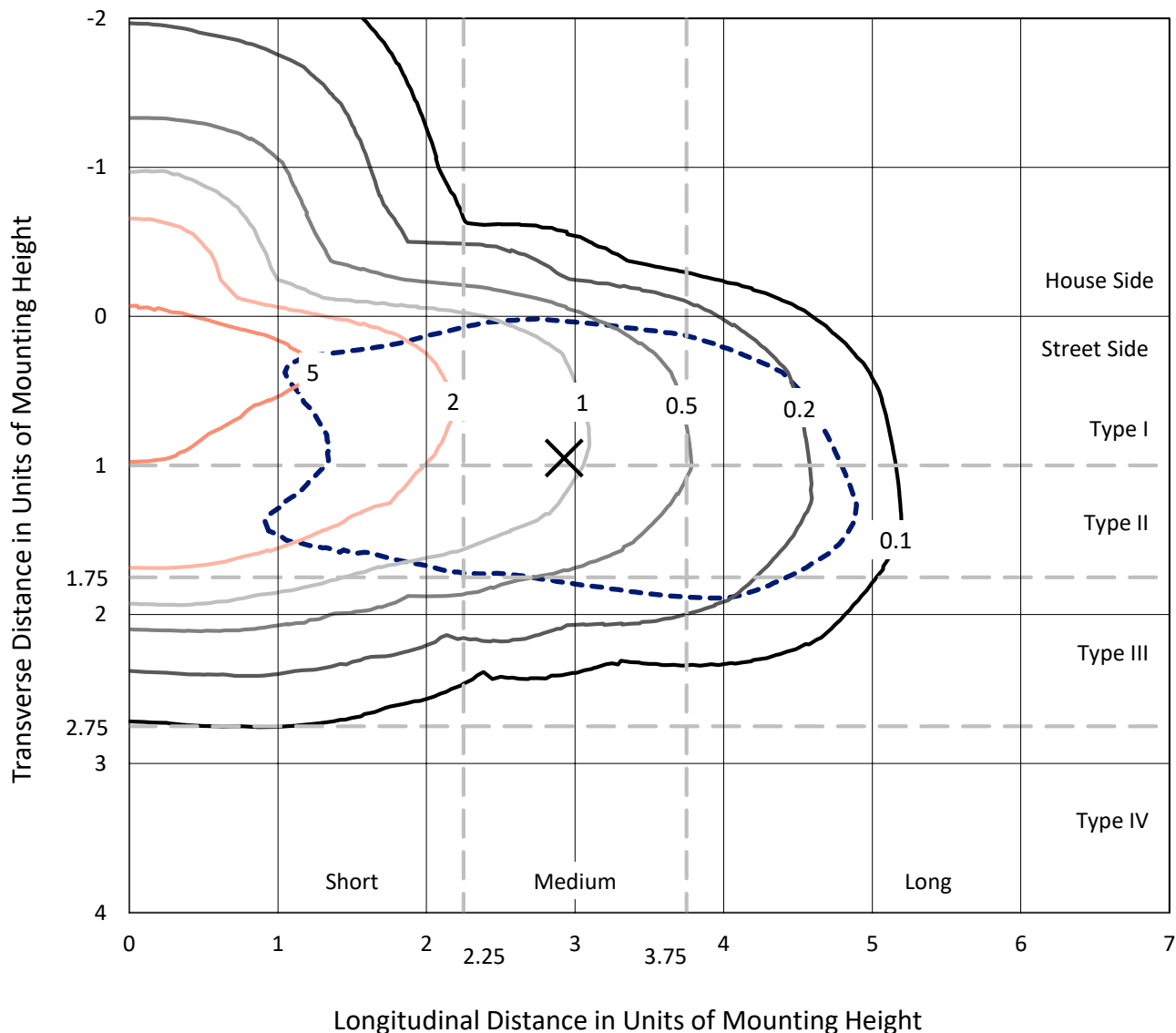
Input Watts (W): 225
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

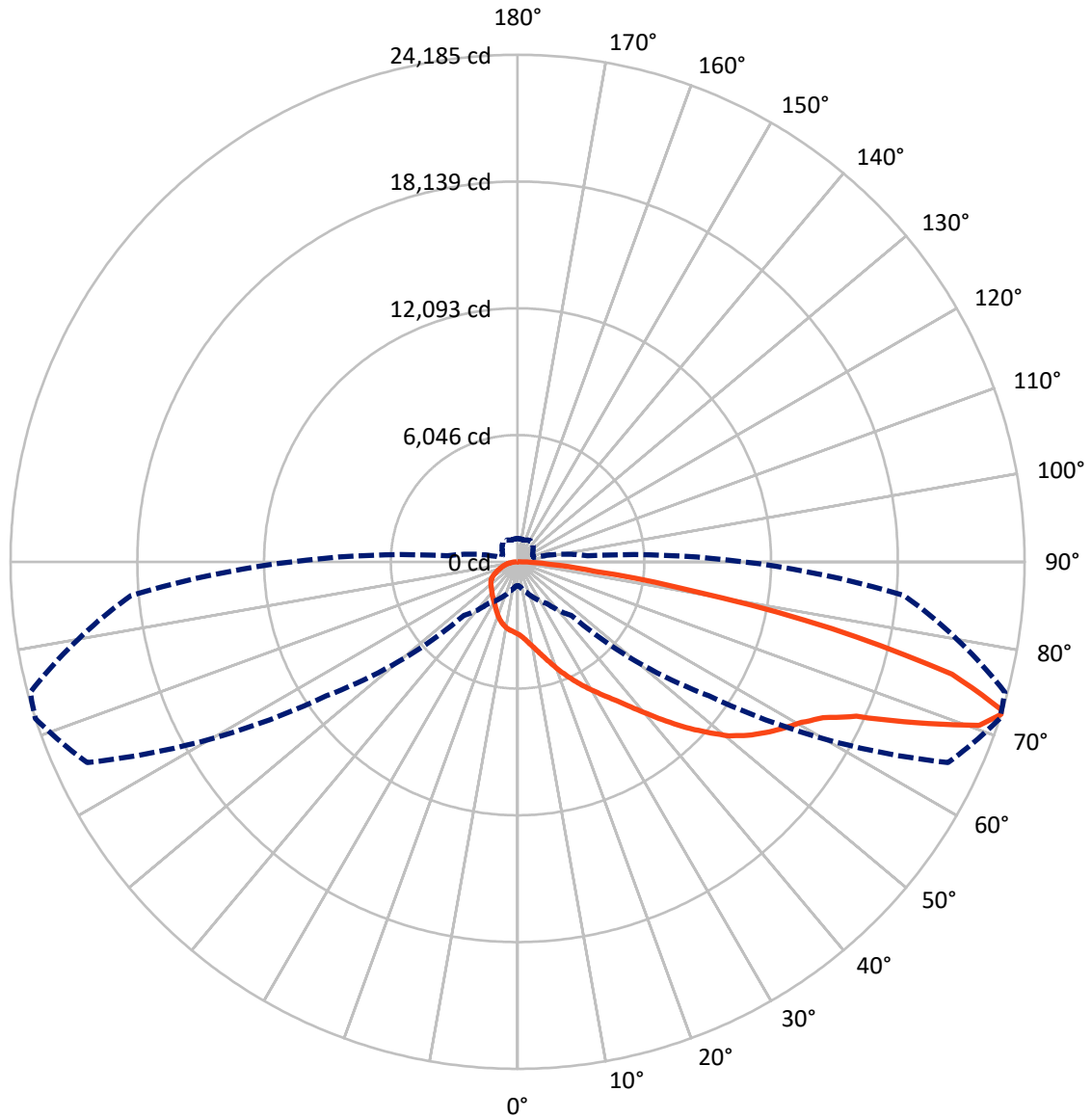
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.6 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 72-Deg Lateral - - - Horizontal Cone Through 72-Deg Vertical

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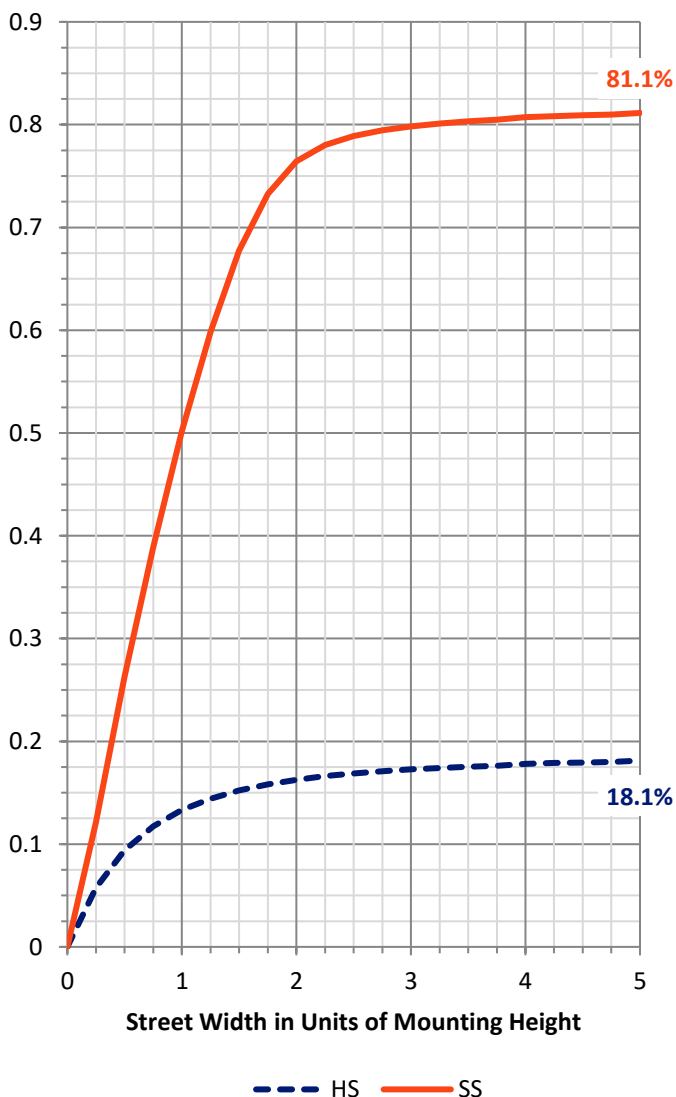
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5194.2	0.0	5194.2
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	22805.8	0.0	22805.8
	% Fixture	81.4	0.0	81.4
Total	Lumens	28000.0	0.0	28000.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	345.2	1.2
10°-20°	1115.4	4.0
20°-30°	1954.6	7.0
30°-40°	2898.0	10.4
40°-50°	4238.6	15.1
50°-60°	5832.3	20.8
60°-70°	6493.1	23.2
70°-80°	4399.7	15.7
80°-90°	723.1	2.6
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°	28000.0	100.0
0°-180°	28000.0	100.0

Coefficient of Utilization

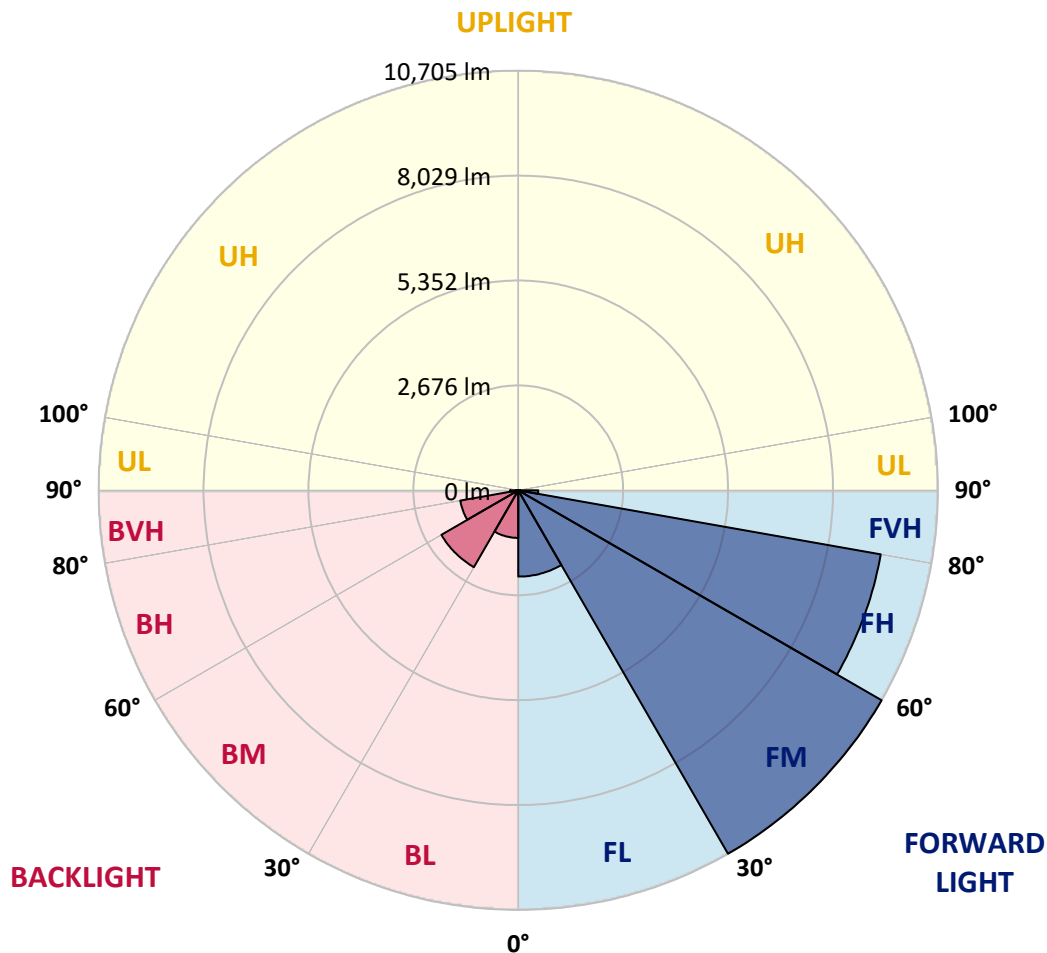


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2201.0	7.9			
FM (30°-60°)	10704.8	38.2			
FH (60°-80°)	9390.0	33.5			G4/12000
FVH (80°-90°)	510.1	1.8			G4/750
BL (0°-30°)	1214.2	4.3	B3/2500		
BM (30°-60°)	2264.2	8.1	B2/2500		
BH (60°-80°)	1502.7	5.4	B3/2500		G3/2500
BVH (80°-90°)	213.0	0.8			G2/225
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G4
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7
2.5°	3805.3	3799.5	3779.3	3779.3	3740.7	3707.9	3646.2	3604.8	3555.6	3538.2	3480.4
5°	4173.6	4175.5	4150.5	4133.1	4076.2	4006.8	3901.7	3806.3	3710.8	3672.3	3553.7
7.5°	4483.1	4479.2	4472.5	4458.0	4405.0	4333.6	4191.9	4050.2	3909.4	3851.6	3647.2
10°	4681.7	4690.3	4696.1	4702.9	4680.7	4629.6	4495.6	4323.0	4138.9	4059.8	3759.0
12.5°	4781.9	4797.4	4824.4	4870.6	4907.3	4901.5	4804.1	4620.9	4402.1	4302.8	3898.8
15°	4840.7	4861.0	4903.4	4986.3	5089.5	5148.3	5122.3	4956.4	4712.5	4590.1	4069.5
17.5°	4877.4	4893.8	4959.3	5070.2	5223.5	5379.7	5448.1	5309.3	5063.5	4923.7	4265.2
20°	4902.5	4915.0	4996.9	5127.1	5325.7	5574.4	5765.3	5730.6	5450.1	5268.8	4469.6
22.5°	4958.4	4969.0	5047.1	5178.2	5398.0	5719.0	6070.9	6123.0	5857.9	5652.5	4688.4
25°	5114.6	5114.6	5180.1	5271.7	5478.0	5844.4	6329.3	6559.7	6274.4	6035.3	4890.9
27.5°	5412.5	5409.6	5433.7	5465.5	5621.7	5971.6	6559.7	6945.4	6706.3	6445.0	5087.6
30°	5765.3	5784.6	5787.5	5772.1	5845.3	6130.7	6772.8	7352.2	7141.1	6859.6	5289.1
32.5°	6219.4	6231.9	6217.5	6166.4	6155.8	6356.3	6982.0	7778.4	7611.6	7292.5	5473.2
35°	6795.9	6771.8	6726.5	6622.4	6523.1	6658.1	7221.1	8204.5	8139.9	7816.0	5726.8
37.5°	7413.9	7414.9	7359.0	7122.8	6985.9	7043.7	7550.8	8687.5	8779.1	8438.8	6051.7
40°	7909.5	7935.5	7970.2	7659.8	7482.4	7562.4	7970.2	9247.7	9535.0	9177.3	6474.9
42.5°	8255.6	8285.5	8383.8	8189.1	8004.9	8153.4	8463.8	9845.4	10383.4	10029.5	6970.4
45°	8621.9	8638.3	8707.8	8623.9	8506.3	8840.8	9020.1	10464.3	11280.9	10937.7	7524.8
47.5°	9007.6	9024.9	9096.3	9040.4	8978.7	9482.9	9600.5	11047.6	12140.9	11935.6	8116.8
50°	9483.9	9495.4	9562.9	9461.7	9481.0	9966.9	10119.2	11582.7	13042.3	12832.2	8710.6
52.5°	10133.7	10136.6	10230.1	10138.5	10047.9	10321.7	10565.6	12086.9	13749.0	13649.7	9304.5
55°	10642.7	10673.6	10980.1	10960.9	10908.8	10643.7	10938.7	12567.0	14379.6	14426.8	9935.1
57.5°	10317.8	10438.3	11059.2	11496.9	11923.0	11444.8	11442.9	13107.9	14965.7	15189.4	10628.2
60°	9036.5	9200.4	10115.3	11086.2	12419.5	12838.9	12489.9	13768.3	15557.7	15945.3	11496.9
62.5°	6453.7	6723.6	7963.5	9513.7	11738.9	13762.5	14620.6	14816.3	16362.7	16820.7	12625.9
65°	3262.5	3466.9	4506.2	6373.7	9378.8	13159.0	16936.4	17110.9	17761.6	18168.5	14364.1
67.5°	1982.2	2059.3	2566.4	3545.0	5749.9	10250.3	17692.2	20935.4	20468.8	20684.8	16842.8
70°	1460.6	1517.5	1833.7	2354.3	3306.9	6015.0	15372.6	23664.8	23358.2	23334.1	18674.6
72°	1137.6	1179.1	1458.7	1902.2	2418.0	3608.6	11142.1	22657.3	24185.4	24063.9	18506.9
72.5°	1078.8	1115.5	1370.0	1790.3	2284.9	3271.2	10018.0	21977.6	24125.6	24070.7	18289.9
75°	849.4	875.4	1014.2	1384.4	1788.4	1855.9	5489.6	17031.8	21402.1	22291.9	16450.4
77.5°	702.8	706.7	780.0	1007.5	1394.1	1312.1	2696.6	11817.0	15325.3	16303.9	11653.1
80°	572.7	577.5	612.2	706.7	1054.7	970.8	1280.3	6795.0	8580.5	8591.1	5541.6
82.5°	456.0	457.0	495.5	516.8	757.8	694.2	733.7	3190.2	3749.4	3606.7	1991.8
85°	321.0	314.3	484.0	424.2	495.5	445.4	404.9	1263.0	1550.3	1482.8	623.8
87.5°	107.0	110.9	215.0	274.8	289.2	252.6	180.3	484.0	585.2	580.4	197.6
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°	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7	3444.7
2.5°	3462.1	3431.2	3385.9	3335.8	3296.3	3255.8	3225.9	3210.5	3193.1	3178.6	3196.0
5°	3498.7	3440.9	3344.5	3250.0	3180.6	3118.9	3074.5	3051.4	3030.2	3015.7	3017.6
7.5°	3558.5	3465.0	3303.0	3165.1	3068.7	3002.2	2956.9	2941.5	2928.0	2924.1	2928.9
10°	3622.1	3484.3	3248.1	3064.9	2955.0	2900.0	2879.8	2890.4	2900.0	2908.7	2918.3
12.5°	3694.4	3501.6	3168.0	2947.3	2853.7	2832.5	2852.8	2899.0	2932.8	2953.0	2965.6
15°	3788.9	3517.0	3075.5	2829.6	2767.0	2791.1	2859.5	2939.5	2998.4	3036.0	3041.7
17.5°	3875.7	3516.1	2956.9	2711.1	2696.6	2767.0	2870.1	2982.9	3062.0	3115.0	3125.6
20°	3965.3	3490.0	2819.0	2595.4	2625.2	2740.9	2874.9	3010.9	3106.3	3168.0	3182.5
22.5°	4049.2	3444.7	2667.7	2490.3	2565.5	2706.2	2856.6	2994.5	3089.9	3140.1	3155.5
25°	4106.1	3365.7	2514.4	2401.6	2512.4	2663.8	2796.9	2907.7	2979.1	3004.1	3008.0
27.5°	4135.0	3262.5	2369.8	2324.4	2457.5	2594.4	2686.0	2740.9	2761.2	2759.3	2755.4
30°	4138.9	3126.6	2245.4	2261.8	2393.9	2492.2	2535.6	2525.0	2498.9	2454.6	2458.5
32.5°	4126.3	2973.3	2141.3	2202.0	2312.9	2367.8	2369.8	2318.7	2249.2	2178.9	2159.6
35°	4130.2	2822.9	2049.7	2134.5	2214.5	2238.6	2216.5	2141.3	2046.8	1956.2	1936.9
37.5°	4172.6	2691.8	1970.6	2056.4	2105.6	2111.4	2079.6	2000.5	1931.1	1842.4	1834.7
40°	4273.9	2598.3	1895.4	1968.7	1996.7	1999.5	1954.2	1898.3	1904.1	1856.9	1855.9
42.5°	4456.1	2557.8	1828.9	1877.1	1894.5	1900.2	1865.5	1829.9	1880.0	1849.1	1838.5
45°	4691.3	2567.4	1773.0	1787.4	1819.3	1846.3	1825.0	1781.7	1800.9	1666.9	1622.6
47.5°	4963.2	2629.1	1728.6	1710.3	1765.3	1816.4	1783.6	1718.0	1649.6	1516.5	1491.5
50°	5281.3	2724.5	1688.1	1634.2	1706.5	1775.9	1743.1	1649.6	1546.4	1481.8	1473.1
52.5°	5613.0	2841.2	1647.6	1550.3	1632.2	1745.0	1728.6	1634.2	1506.9	1443.3	1431.7
55°	5989.0	2958.8	1596.6	1452.9	1552.2	1730.6	1721.9	1578.2	1477.0	1441.3	1432.7
57.5°	6456.6	3092.8	1529.1	1351.7	1477.0	1678.5	1651.5	1544.5	1446.2	1419.2	1416.3
60°	7065.9	3290.5	1431.7	1243.7	1385.4	1598.5	1592.7	1495.3	1397.0	1377.7	1373.8
62.5°	7979.9	3617.3	1297.7	1135.7	1283.2	1462.5	1515.6	1428.8	1344.9	1344.0	1345.9
65°	9397.1	4109.0	1152.1	1041.2	1180.1	1347.8	1425.9	1360.3	1291.9	1311.2	1314.1
67.5°	11039.9	4516.8	1009.4	948.7	1075.0	1238.9	1344.9	1291.9	1221.5	1271.6	1272.6
70°	11586.6	4152.4	884.1	857.1	966.0	1133.8	1257.2	1216.7	1145.4	1195.5	1190.7
72°	10782.5	3352.2	803.1	787.7	884.1	1047.0	1179.1	1146.3	1075.9	1109.7	1097.1
72.5°	10528.9	3196.0	782.8	770.3	861.9	1024.8	1158.8	1129.0	1058.6	1087.5	1075.9
75°	9392.3	2775.6	672.9	675.8	752.0	916.9	1045.1	1035.4	963.1	966.0	962.2
77.5°	6812.3	2035.2	566.9	586.2	640.2	806.0	930.4	924.6	845.5	831.1	828.2
80°	3161.3	1038.3	461.8	470.5	526.4	673.9	793.5	785.7	722.1	703.8	693.2
82.5°	1082.7	493.6	347.1	352.9	407.8	542.8	688.4	683.5	630.5	594.8	572.7
85°	386.6	245.8	243.0	237.2	291.2	427.1	599.7	573.6	495.5	422.3	420.3
87.5°	125.3	105.1	125.3	124.4	169.7	289.2	435.8	371.2	359.6	298.9	293.1
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)