

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: P318150

Luminaire Tested: **GAN-SA6A-760-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318150
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-SA6A-760-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 5700K, 615mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 27352 lumens
Efficiency: N/A
Efficacy: 141.7 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

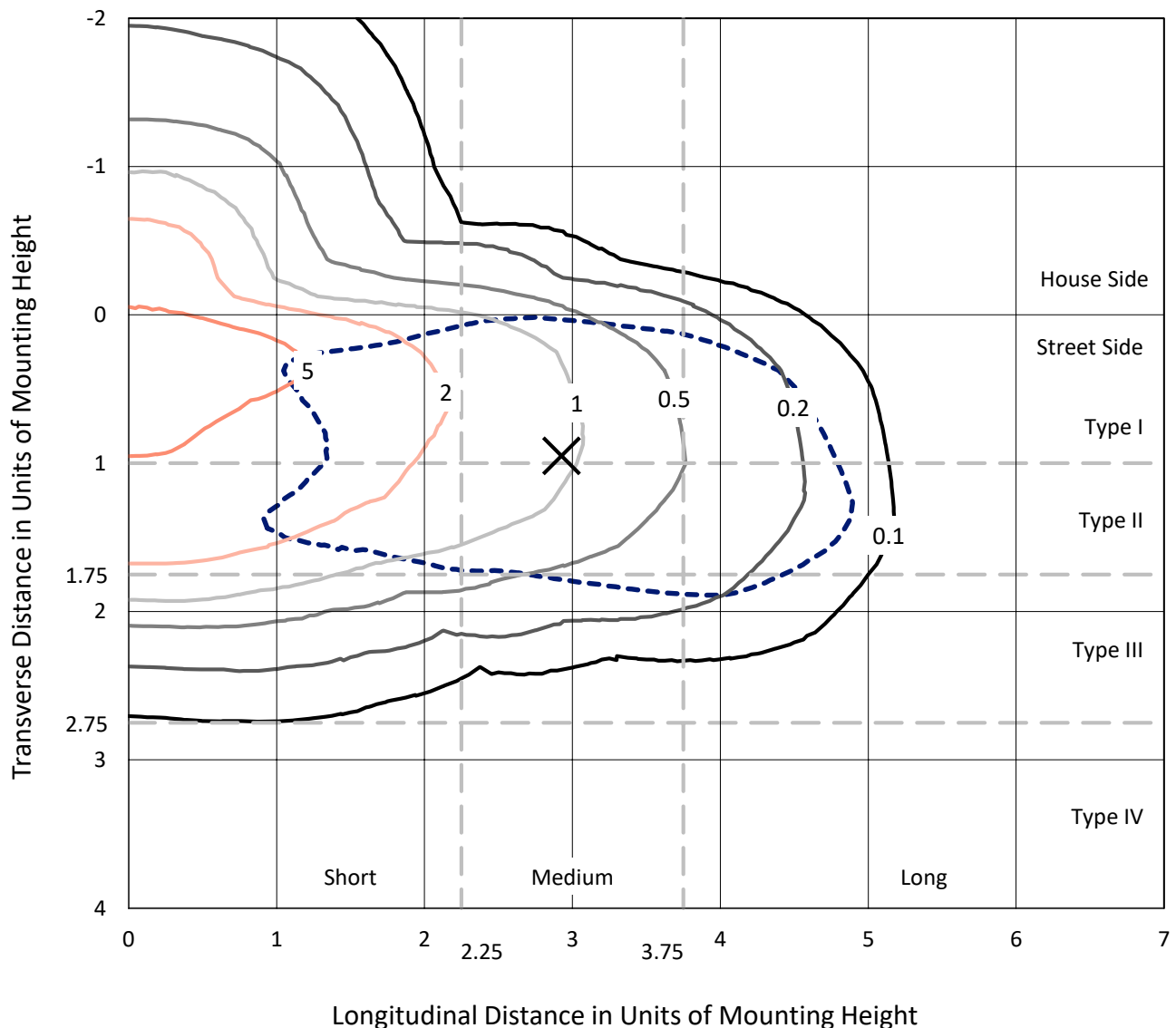
Input Watts (W): 193
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

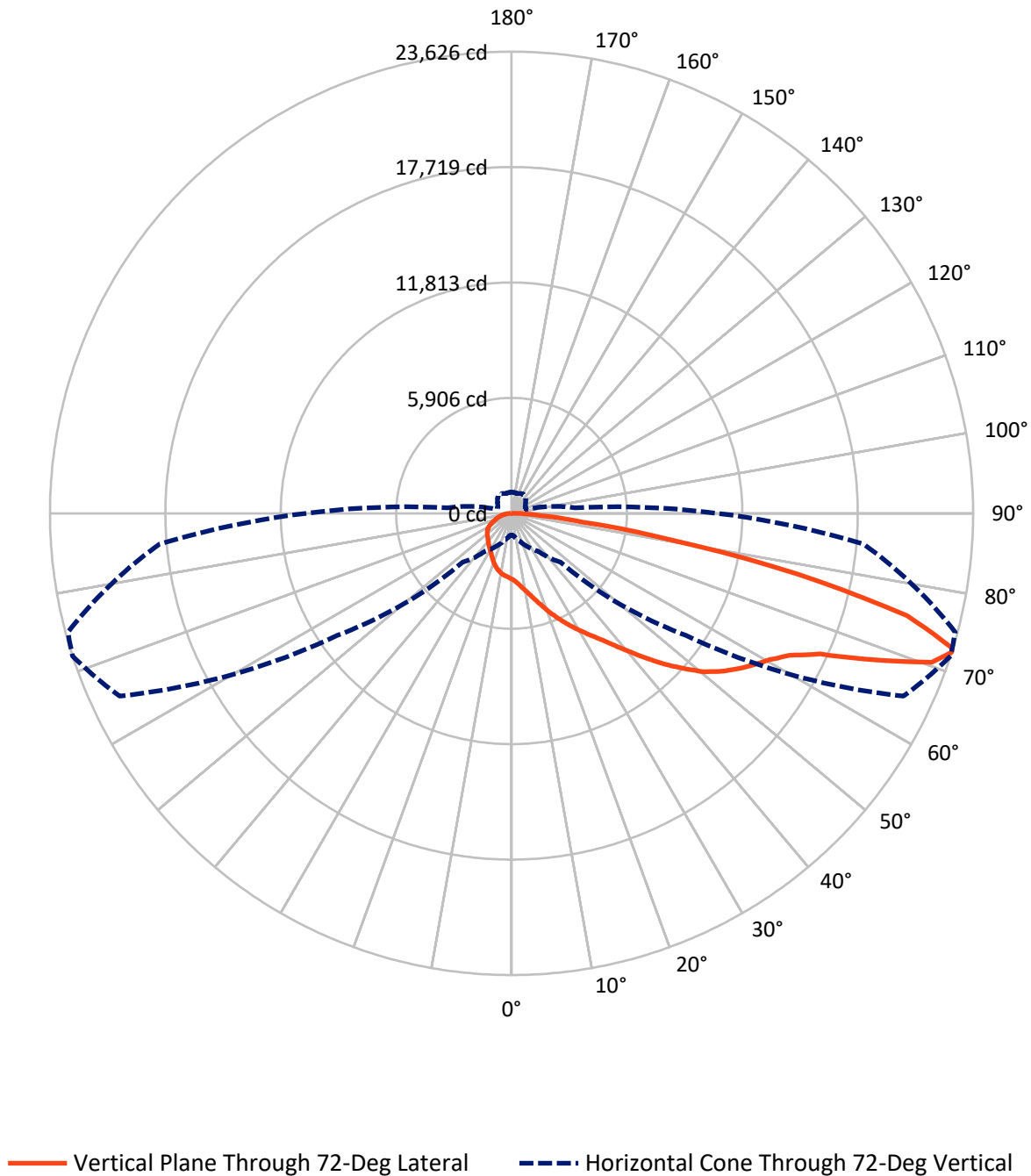
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.4 fc
 Type III - Medium - N/A

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Luminous Intensity Polar Plot



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FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	5074.0	0.0	5074.0
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	22278.0	0.0	22278.0
	% Fixture	81.4	0.0	81.4
Total	Lumens	27352.0	0.0	27352.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	337.2	1.2
10°-20°	1089.6	4.0
20°-30°	1909.3	7.0
30°-40°	2831.0	10.4
40°-50°	4140.5	15.1
50°-60°	5697.3	20.8
60°-70°	6342.8	23.2
70°-80°	4297.9	15.7
80°-90°	706.4	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°	27352.0	100.0
0°-180°	27352.0	100.0

Coefficient of Utilization



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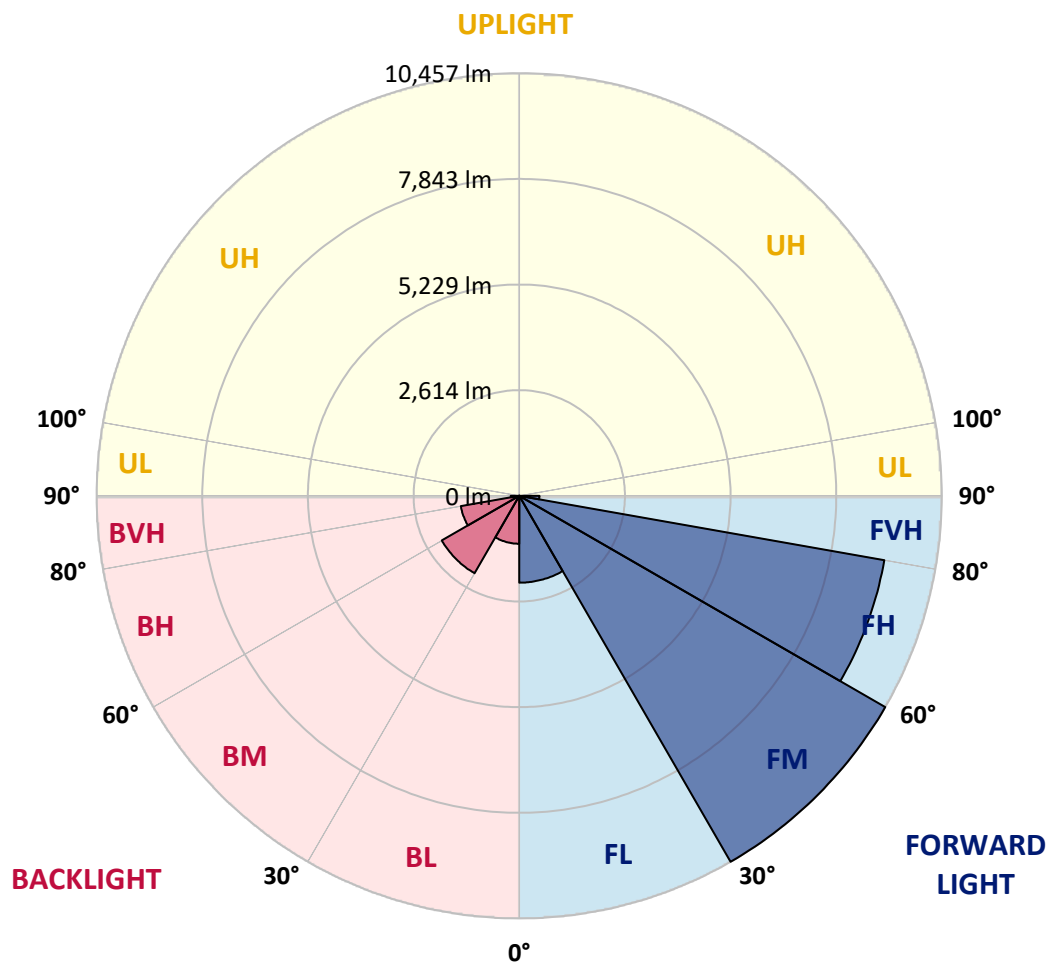
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2150.0	7.9			
FM	(30°-60°)	10457.0	38.2			
FH	(60°-80°)	9172.7	33.5			G4/12000
FVH	(80°-90°)	498.3	1.8			G3/500
BL	(0°-30°)	1186.1	4.3	B3/2500		
BM	(30°-60°)	2211.8	8.1	B2/2500		
BH	(60°-80°)	1468.0	5.4	B3/2500		G3/2500
BVH	(80°-90°)	208.1	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°	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0
2.5°	3717.2	3711.6	3691.8	3691.8	3654.1	3622.1	3561.8	3521.3	3473.3	3456.4	3399.9
5°	4077.0	4078.9	4054.4	4037.4	3981.9	3914.1	3811.4	3718.2	3624.9	3587.3	3471.4
7.5°	4379.3	4375.5	4369.0	4354.8	4303.0	4233.3	4094.9	3956.5	3819.0	3762.4	3562.8
10°	4573.3	4581.8	4587.5	4594.0	4572.4	4522.5	4391.6	4223.0	4043.1	3965.9	3672.0
12.5°	4671.3	4686.3	4712.7	4757.9	4793.7	4788.1	4692.9	4514.0	4300.2	4203.2	3808.6
15°	4728.7	4748.5	4789.9	4870.9	4971.7	5029.1	5003.7	4841.7	4603.5	4483.9	3975.3
17.5°	4764.5	4780.5	4844.6	4952.9	5102.6	5255.2	5322.0	5186.4	4946.3	4809.7	4166.5
20°	4789.0	4801.2	4881.3	5008.4	5202.4	5445.4	5631.9	5598.0	5323.9	5146.9	4366.1
22.5°	4843.6	4854.0	4930.3	5058.3	5273.1	5586.7	5930.4	5981.3	5722.3	5521.7	4579.9
25°	4996.2	4996.2	5060.2	5149.7	5351.2	5709.1	6182.8	6407.9	6129.2	5895.6	4777.7
27.5°	5287.2	5284.4	5307.9	5339.0	5491.6	5833.4	6407.9	6784.6	6551.1	6295.9	4969.8
30°	5631.9	5650.7	5653.6	5638.5	5710.1	5988.8	6616.1	7182.1	6975.8	6700.8	5166.7
32.5°	6075.5	6087.7	6073.6	6023.7	6013.3	6209.2	6820.4	7598.3	7435.4	7123.7	5346.5
35°	6638.7	6615.1	6570.9	6469.1	6372.1	6504.0	7054.0	8014.6	7951.5	7635.1	5594.2
37.5°	7242.4	7243.3	7188.7	6957.9	6824.2	6880.7	7376.1	8486.5	8575.9	8243.5	5911.6
40°	7726.4	7751.9	7785.8	7482.5	7309.2	7387.4	7785.8	9033.6	9314.3	8964.9	6325.1
42.5°	8064.5	8093.7	8189.8	7999.5	7819.7	7964.7	8268.0	9617.5	10143.1	9797.4	6809.1
45°	8422.4	8438.4	8506.2	8424.3	8309.4	8636.2	8811.4	10222.2	11019.9	10684.6	7350.7
47.5°	8799.1	8816.1	8885.8	8831.1	8770.9	9263.4	9378.3	10792.0	11859.9	11659.3	7928.9
50°	9264.4	9275.7	9341.6	9242.7	9261.5	9736.2	9885.0	11314.6	12740.5	12535.2	8509.1
52.5°	9899.1	9902.0	9993.3	9903.8	9815.3	10082.8	10321.1	11807.2	13430.8	13333.8	9089.2
55°	10396.4	10426.5	10726.0	10707.2	10656.3	10397.3	10685.5	12276.2	14046.8	14092.9	9705.1
57.5°	10079.0	10196.7	10803.3	11230.8	11647.1	11180.0	11178.1	12804.6	14619.4	14837.9	10382.3
60°	8827.4	8987.5	9881.2	10829.6	12132.1	12541.8	12200.9	13449.7	15197.6	15576.2	11230.8
62.5°	6304.3	6568.0	7779.2	9293.6	11467.2	13444.0	14282.2	14473.4	15984.0	16431.4	12333.7
65°	3187.0	3386.7	4401.9	6226.2	9161.7	12854.5	16544.4	16714.9	17350.6	17748.0	14031.7
67.5°	1936.3	2011.7	2507.0	3463.0	5616.8	10013.1	17282.8	20450.9	19995.1	20206.1	16453.0
70°	1426.8	1482.4	1791.3	2299.8	3230.3	5875.8	15016.8	23117.1	22817.6	22794.1	18242.4
72°	1111.3	1151.8	1424.9	1858.1	2362.0	3525.1	10884.2	22133.0	23625.7	23507.0	18078.6
72.5°	1053.9	1089.6	1338.3	1748.9	2232.0	3195.5	9786.1	21469.0	23567.3	23513.6	17866.7
75°	829.7	855.1	990.8	1352.4	1747.0	1812.9	5362.5	16637.6	20906.8	21776.0	16069.7
77.5°	686.6	690.3	761.9	984.2	1361.8	1281.8	2634.2	11543.5	14970.7	15926.6	11383.4
80°	559.4	564.1	598.0	690.3	1030.3	948.4	1250.7	6637.7	8381.9	8392.3	5413.4
82.5°	445.5	446.4	484.1	504.8	740.2	678.1	716.7	3116.4	3662.6	3523.2	1945.7
85°	313.6	307.0	472.8	414.4	484.1	435.1	395.6	1233.7	1514.4	1448.5	609.3
87.5°	104.5	108.3	210.0	268.4	282.5	246.7	176.1	472.8	571.7	567.0	193.1
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°	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0	3365.0
2.5°	3382.0	3351.8	3307.6	3258.6	3220.0	3180.4	3151.2	3136.2	3119.2	3105.1	3122.0
5°	3417.7	3361.2	3267.1	3174.8	3107.0	3046.7	3003.4	2980.8	2960.0	2945.9	2947.8
7.5°	3476.1	3384.8	3226.6	3091.9	2997.7	2932.7	2888.5	2873.4	2860.2	2856.4	2861.2
10°	3538.3	3403.6	3172.9	2993.9	2886.6	2832.9	2813.1	2823.5	2832.9	2841.4	2850.8
12.5°	3608.9	3420.6	3094.7	2879.0	2787.7	2767.0	2786.8	2832.0	2864.9	2884.7	2896.9
15°	3701.2	3435.6	3004.3	2764.1	2702.9	2726.5	2793.3	2871.5	2929.0	2965.7	2971.3
17.5°	3786.0	3434.7	2888.5	2648.3	2634.2	2702.9	2803.7	2913.9	2991.1	3042.9	3053.3
20°	3873.6	3409.3	2753.8	2535.3	2564.5	2677.5	2808.4	2941.2	3034.4	3094.7	3108.8
22.5°	3955.5	3365.0	2605.9	2432.6	2506.1	2643.6	2790.5	2925.2	3018.4	3067.4	3082.5
25°	4011.1	3287.8	2456.2	2346.0	2454.3	2602.2	2732.1	2840.4	2910.1	2934.6	2938.4
27.5°	4039.3	3187.0	2314.9	2270.7	2400.6	2534.4	2623.8	2677.5	2697.3	2695.4	2691.6
30°	4043.1	3054.2	2193.4	2209.4	2338.5	2434.5	2476.9	2466.5	2441.1	2397.8	2401.6
32.5°	4030.9	2904.5	2091.7	2151.0	2259.4	2313.0	2314.9	2265.0	2197.2	2128.4	2109.6
35°	4034.6	2757.6	2002.2	2085.1	2163.3	2186.8	2165.2	2091.7	1999.4	1910.9	1892.1
37.5°	4076.1	2629.5	1925.0	2008.8	2056.9	2062.5	2031.4	1954.2	1886.4	1799.8	1792.2
40°	4174.9	2538.1	1851.6	1923.1	1950.4	1953.3	1909.0	1854.4	1860.0	1813.9	1812.9
42.5°	4352.9	2498.6	1786.6	1833.7	1850.6	1856.3	1822.4	1787.5	1836.5	1806.3	1796.0
45°	4582.7	2508.0	1731.9	1746.1	1777.2	1803.5	1782.8	1740.4	1759.3	1628.4	1585.0
47.5°	4848.3	2568.3	1688.6	1670.7	1724.4	1774.3	1742.3	1678.3	1611.4	1481.4	1456.9
50°	5159.1	2661.5	1649.1	1596.3	1667.0	1734.8	1702.8	1611.4	1510.6	1447.5	1439.1
52.5°	5483.1	2775.5	1609.5	1514.4	1594.4	1704.6	1688.6	1596.3	1472.0	1409.9	1398.6
55°	5850.4	2890.3	1559.6	1419.3	1516.3	1690.5	1682.0	1541.7	1442.8	1408.0	1399.5
57.5°	6307.2	3021.3	1493.7	1320.4	1442.8	1639.7	1613.3	1508.7	1412.7	1386.3	1383.5
60°	6902.4	3214.3	1398.6	1214.9	1353.3	1561.5	1555.8	1460.7	1364.7	1345.8	1342.0
62.5°	7795.2	3533.6	1267.6	1109.4	1253.5	1428.7	1480.5	1395.7	1313.8	1312.9	1314.7
65°	9179.6	4013.9	1125.4	1017.1	1152.7	1316.6	1392.9	1328.9	1262.0	1280.8	1283.7
67.5°	10784.4	4412.3	986.1	926.7	1050.1	1210.2	1313.8	1262.0	1193.2	1242.2	1243.2
70°	11318.4	4056.3	863.6	837.2	943.7	1107.5	1228.1	1188.5	1118.8	1167.8	1163.1
72°	10533.0	3274.6	784.5	769.4	863.6	1022.8	1151.8	1119.8	1051.0	1084.0	1071.8
72.5°	10285.3	3122.0	764.7	752.5	842.0	1001.1	1132.0	1102.8	1034.1	1062.3	1051.0
75°	9174.9	2711.4	657.4	660.2	734.6	895.6	1020.9	1011.5	940.8	943.7	939.9
77.5°	6654.7	1988.1	553.8	572.6	625.3	787.3	908.8	903.2	825.9	811.8	809.0
80°	3088.1	1014.3	451.1	459.6	514.2	658.3	775.1	767.6	705.4	687.5	677.1
82.5°	1057.6	482.2	339.0	344.7	398.4	530.2	672.4	667.7	615.9	581.1	559.4
85°	377.7	240.2	237.3	231.7	284.4	417.2	585.8	560.4	484.1	412.5	410.6
87.5°	122.4	102.7	122.4	121.5	165.8	282.5	425.7	362.6	351.3	292.0	286.3
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)