

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: P318240

Luminaire Tested: **GAN-SA6B-830-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318240
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-SA6B-830-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 80 CRI, 3000K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 26654 lumens
Efficiency: N/A
Efficacy: 107.0 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G4

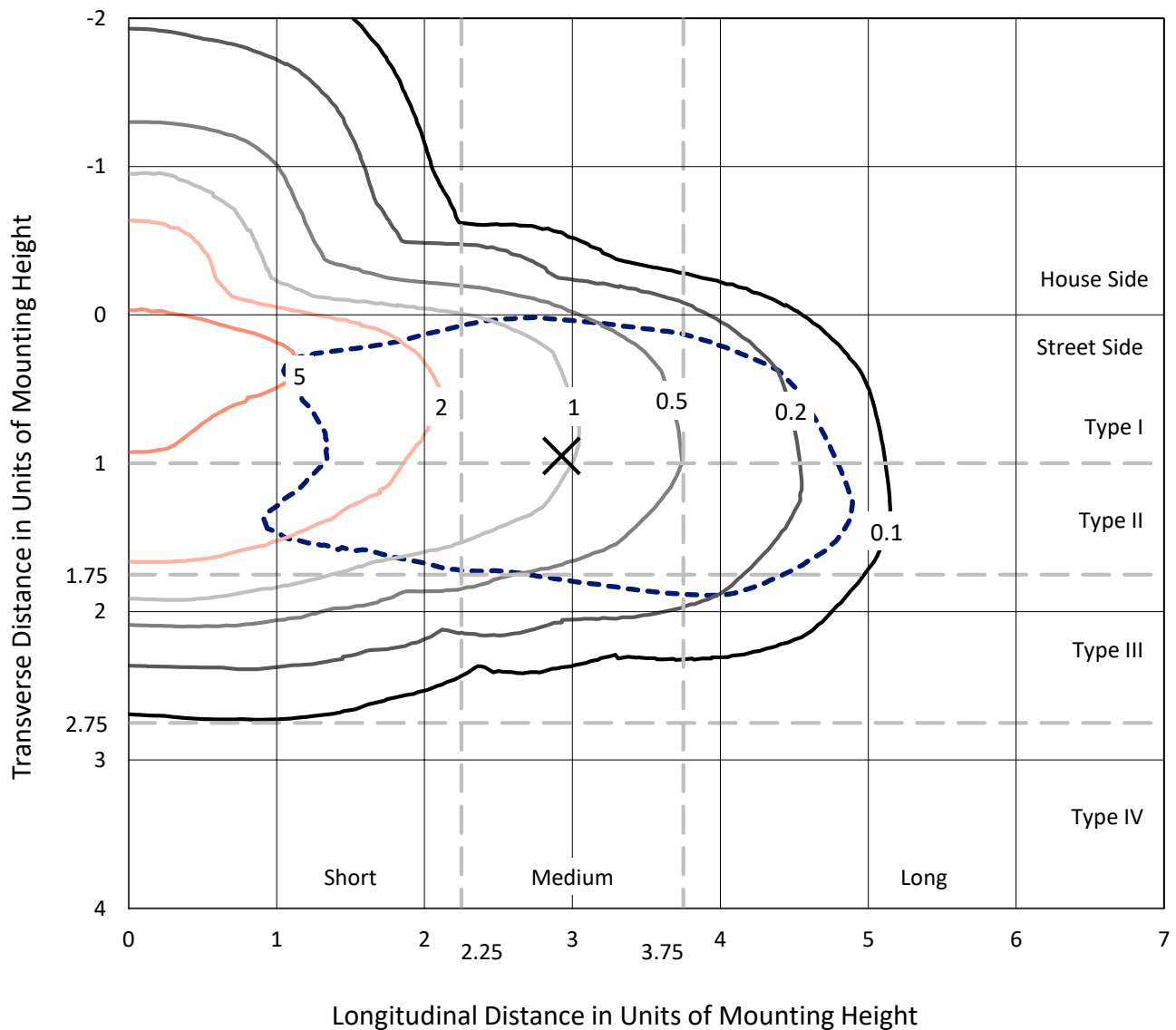
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



REPORT NUMBER: P318240
 CATALOG NUMBER: GAN-SA6B-830-U-T2

Iso-Footcandle Lines of Horizontal Illumination

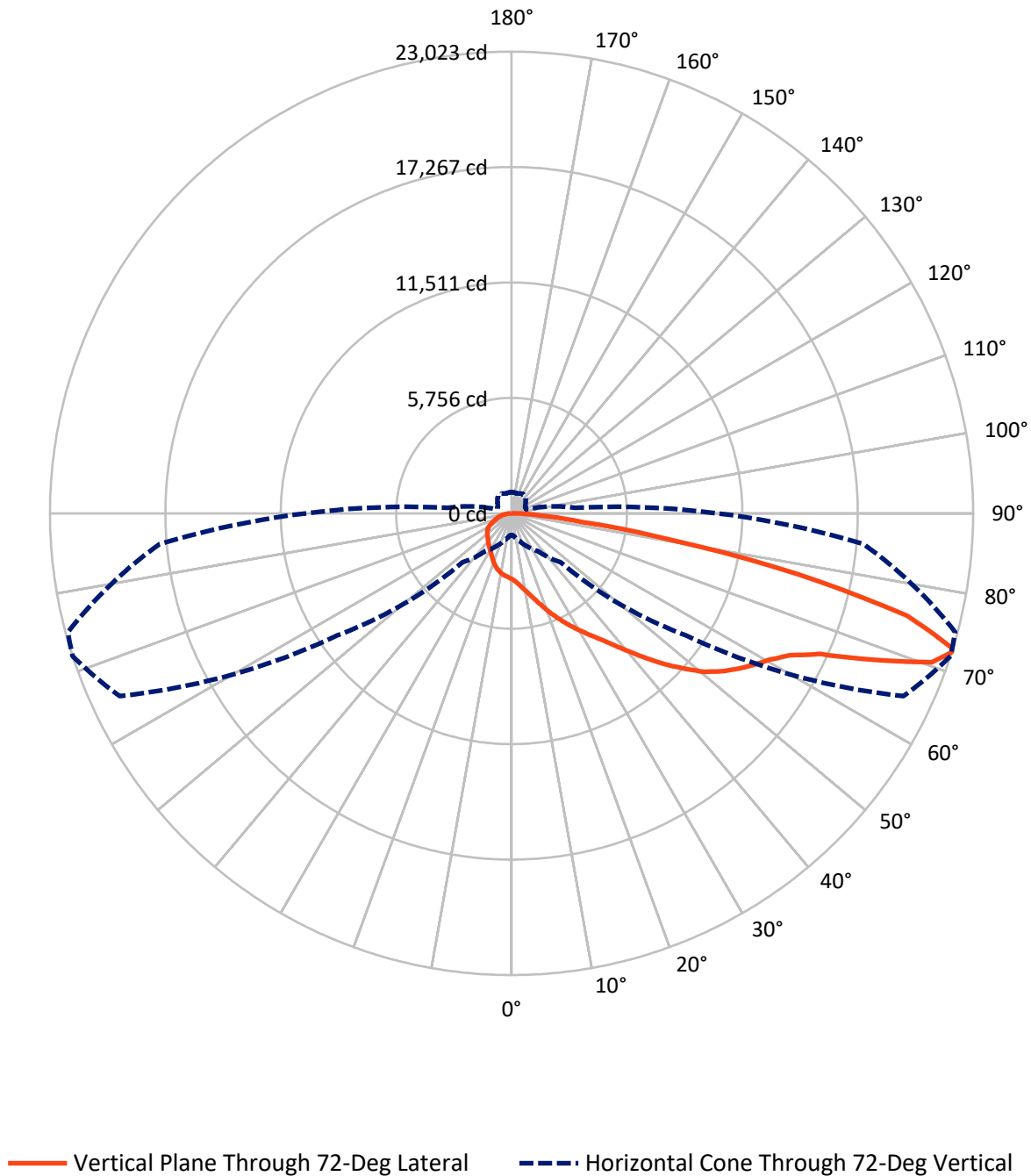
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 7.2 fc
 Type III - Medium - N/A

REPORT NUMBER: P318240
CATALOG NUMBER: GAN-SA6B-830-U-T2

Luminous Intensity Polar Plot



REPORT NUMBER: P318240

CATALOG NUMBER: GAN-SA6B-830-U-T2

FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	4944.5	0.0	4944.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	21709.5	0.0	21709.5
	% Fixture	81.4	0.0	81.4
Total	Lumens	26654.0	0.0	26654.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	328.6	1.2
10°-20°	1061.8	4.0
20°-30°	1860.6	7.0
30°-40°	2758.7	10.4
40°-50°	4034.9	15.1
50°-60°	5551.9	20.8
60°-70°	6180.9	23.2
70°-80°	4188.2	15.7
80°-90°	688.4	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°	26654.0	100.0
0°-180°	26654.0	100.0

Coefficient of Utilization



REPORT NUMBER: P318240

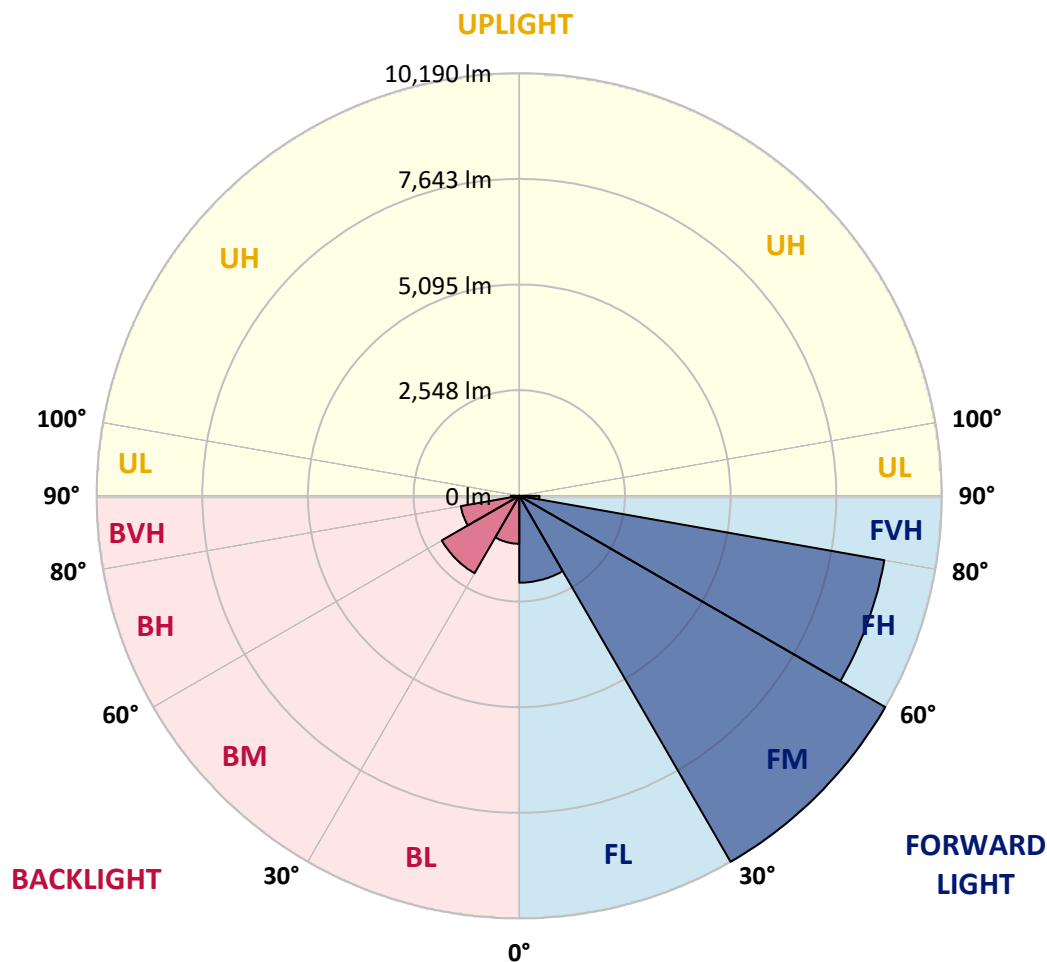
CATALOG NUMBER: GAN-SA6B-830-U-T2

LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone		Lumens	% Fixture	Zone Rating/Lumen Limit		
				B	U	G
FL	(0°-30°)	2095.2	7.9			
FM	(30°-60°)	10190.2	38.2			
FH	(60°-80°)	8938.6	33.5			G4/12000
FVH	(80°-90°)	485.6	1.8			G3/500
BL	(0°-30°)	1155.8	4.3	B3/2500		
BM	(30°-60°)	2155.3	8.1	B2/2500		
BH	(60°-80°)	1430.5	5.4	B3/2500		G3/2500
BVH	(80°-90°)	202.8	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



REPORT NUMBER: P318240

CATALOG NUMBER: GAN-SA6B-830-U-T2

CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1
2.5°	3622.4	3616.9	3597.6	3597.6	3560.9	3529.7	3470.9	3431.5	3384.7	3368.2	3313.1
5°	3973.0	3974.8	3950.9	3934.4	3880.3	3814.2	3714.2	3623.3	3532.4	3495.7	3382.8
7.5°	4267.6	4263.9	4257.5	4243.7	4193.2	4125.3	3990.4	3855.5	3721.5	3666.4	3471.9
10°	4456.6	4464.9	4470.4	4476.8	4455.7	4407.1	4279.5	4115.2	3939.9	3864.7	3578.3
12.5°	4552.1	4566.7	4592.4	4636.5	4671.4	4665.9	4573.2	4398.8	4190.5	4095.9	3711.4
15°	4608.0	4627.3	4667.7	4746.6	4844.8	4900.8	4876.0	4718.2	4486.0	4369.4	3873.8
17.5°	4642.9	4658.5	4720.9	4826.5	4972.4	5121.1	5186.2	5054.1	4820.0	4687.0	4060.1
20°	4666.8	4678.7	4756.7	4880.6	5069.7	5306.5	5488.2	5455.1	5188.1	5015.5	4254.7
22.5°	4720.0	4730.1	4804.4	4929.3	5138.5	5444.1	5779.1	5828.7	5576.3	5380.8	4463.0
25°	4868.7	4868.7	4931.1	5018.3	5214.7	5563.4	6025.1	6244.4	5972.7	5745.1	4655.8
27.5°	5152.3	5149.5	5172.5	5202.8	5351.4	5684.6	6244.4	6611.5	6383.9	6135.2	4843.0
30°	5488.2	5506.5	5509.3	5494.6	5564.3	5836.0	6447.2	6998.8	6797.8	6529.8	5034.8
32.5°	5920.4	5932.4	5918.6	5870.0	5859.9	6050.8	6646.4	7404.4	7245.7	6941.9	5210.1
35°	6469.3	6446.3	6403.2	6304.1	6209.5	6338.0	6874.0	7810.1	7748.6	7440.2	5451.5
37.5°	7057.5	7058.5	7005.2	6780.4	6650.1	6705.1	7187.9	8269.9	8357.1	8033.1	5760.7
40°	7529.3	7554.0	7587.1	7291.6	7122.7	7198.9	7587.1	8803.1	9076.6	8736.1	6163.6
42.5°	7858.7	7887.2	7980.8	7795.4	7620.1	7761.5	8057.0	9372.1	9884.2	9547.4	6635.4
45°	8207.5	8223.1	8289.2	8209.3	8097.3	8415.8	8586.5	9961.3	10738.6	10411.9	7163.1
47.5°	8574.6	8591.1	8659.0	8605.8	8547.0	9027.0	9139.0	10516.6	11557.3	11361.8	7726.6
50°	9028.0	9039.0	9103.2	9006.8	9025.2	9487.7	9632.8	11025.9	12415.4	12215.3	8291.9
52.5°	9646.5	9649.3	9738.3	9651.1	9564.8	9825.5	10057.7	11505.9	13088.1	12993.6	8857.3
55°	10131.1	10160.5	10452.3	10434.0	10384.4	10132.0	10412.8	11962.9	13688.3	13733.3	9457.5
57.5°	9821.8	9936.5	10527.6	10944.2	11349.9	10894.7	10892.8	12477.8	14246.3	14459.2	10117.3
60°	8602.1	8758.1	9629.1	10553.3	11822.5	12221.7	11889.5	13106.5	14809.8	15178.7	10944.2
62.5°	6143.4	6400.4	7580.7	9056.4	11174.6	13100.9	13917.7	14104.1	15576.1	16012.1	12018.9
65°	3105.7	3300.2	4289.6	6067.3	8927.9	12526.4	16122.2	16288.3	16907.8	17295.1	13673.6
67.5°	1886.9	1960.3	2443.1	3374.6	5473.5	9757.6	16841.7	19929.0	19484.8	19690.4	16033.2
70°	1390.4	1444.5	1745.6	2241.2	3147.9	5725.9	14633.6	22527.2	22235.4	22212.4	17776.9
72°	1083.0	1122.4	1388.6	1810.7	2301.7	3435.2	10606.5	21568.2	23022.8	22907.2	17617.2
72.5°	1027.0	1061.8	1304.1	1704.3	2175.1	3113.9	9536.4	20921.1	22965.9	22913.6	17410.7
75°	808.5	833.3	965.5	1317.9	1702.4	1766.7	5225.7	16213.1	20373.2	21220.3	15659.6
77.5°	669.0	672.7	742.5	959.1	1327.1	1249.1	2567.0	11248.9	14588.6	15520.1	11092.9
80°	545.1	549.7	582.8	672.7	1004.0	924.2	1218.8	6468.3	8168.0	8178.1	5275.3
82.5°	434.1	435.0	471.7	491.9	721.4	660.8	698.4	3036.9	3569.1	3433.3	1896.1
85°	305.6	299.2	460.7	403.8	471.7	424.0	385.5	1202.3	1475.7	1411.5	593.8
87.5°	101.9	105.5	204.7	261.6	275.3	240.5	171.6	460.7	557.1	552.5	188.1
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: P318240

CATALOG NUMBER: GAN-SA6B-830-U-T2

CANDELA DISTRIBUTION (continued):

	90°	95°	105°	115°	125°	135°	145°	155°	165°	175°	180°
0°	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1	3279.1
2.5°	3295.7	3266.3	3223.2	3175.4	3137.8	3099.3	3070.8	3056.1	3039.6	3025.8	3042.4
5°	3330.5	3275.5	3183.7	3093.8	3027.7	2968.9	2926.7	2904.7	2884.5	2870.7	2872.6
7.5°	3387.4	3298.4	3144.2	3013.0	2921.2	2857.9	2814.8	2800.1	2787.2	2783.5	2788.1
10°	3448.0	3316.8	3091.9	2917.5	2812.9	2760.6	2741.3	2751.4	2760.6	2768.9	2778.0
12.5°	3516.8	3333.3	3015.7	2805.6	2716.6	2696.4	2715.6	2759.7	2791.8	2811.1	2823.0
15°	3606.8	3348.0	2927.6	2693.6	2634.0	2656.9	2722.1	2798.2	2854.2	2890.0	2895.5
17.5°	3689.4	3347.1	2814.8	2580.7	2567.0	2634.0	2732.2	2839.5	2914.8	2965.3	2975.4
20°	3774.7	3322.3	2683.5	2470.6	2499.0	2609.2	2736.7	2866.1	2957.0	3015.7	3029.5
22.5°	3854.6	3279.1	2539.4	2370.6	2442.1	2576.1	2719.3	2850.5	2941.4	2989.1	3003.8
25°	3908.7	3203.9	2393.5	2286.1	2391.7	2535.8	2662.4	2767.9	2835.9	2859.7	2863.4
27.5°	3936.2	3105.7	2255.8	2212.7	2339.4	2469.7	2556.9	2609.2	2628.4	2626.6	2622.9
30°	3939.9	2976.3	2137.5	2153.1	2278.8	2372.4	2413.7	2403.6	2378.8	2336.6	2340.3
32.5°	3928.0	2830.4	2038.3	2096.2	2201.7	2254.0	2255.8	2207.2	2141.1	2074.1	2055.8
35°	3931.7	2687.2	1951.1	2031.9	2108.1	2131.0	2109.9	2038.3	1948.4	1862.1	1843.8
37.5°	3972.0	2562.4	1875.9	1957.6	2004.4	2009.9	1979.6	1904.3	1838.3	1753.8	1746.5
40°	4068.4	2473.3	1804.3	1874.1	1900.7	1903.4	1860.3	1807.1	1812.6	1767.6	1766.7
42.5°	4241.9	2434.8	1741.0	1786.9	1803.4	1808.9	1775.9	1741.9	1789.6	1760.3	1750.2
45°	4465.8	2444.0	1687.8	1701.5	1731.8	1757.5	1737.3	1696.0	1714.4	1586.8	1544.6
47.5°	4724.6	2502.7	1645.5	1628.1	1680.4	1729.0	1697.8	1635.4	1570.3	1443.6	1419.8
50°	5027.5	2593.6	1607.0	1555.6	1624.4	1690.5	1659.3	1570.3	1472.1	1410.6	1402.3
52.5°	5343.2	2704.6	1568.4	1475.7	1553.8	1661.1	1645.5	1555.6	1434.5	1373.9	1362.9
55°	5701.1	2816.6	1519.8	1383.1	1477.6	1647.4	1639.1	1502.4	1406.0	1372.0	1363.8
57.5°	6146.2	2944.2	1455.6	1286.7	1406.0	1597.8	1572.1	1470.2	1376.6	1350.9	1348.2
60°	6726.2	3132.3	1362.9	1183.9	1318.8	1521.6	1516.1	1423.4	1329.8	1311.5	1307.8
62.5°	7596.3	3443.4	1235.3	1081.1	1221.5	1392.2	1442.7	1360.1	1280.3	1279.3	1281.2
65°	8945.4	3911.5	1096.7	991.2	1123.3	1283.0	1357.4	1295.0	1229.8	1248.1	1250.9
67.5°	10509.2	4299.7	960.9	903.1	1023.3	1179.3	1280.3	1229.8	1162.8	1210.5	1211.4
70°	11029.6	3952.8	841.6	815.9	919.6	1079.3	1196.8	1158.2	1090.3	1138.0	1133.4
72°	10264.2	3191.0	764.5	749.8	841.6	996.7	1122.4	1091.2	1024.2	1056.3	1044.4
72.5°	10022.8	3042.4	745.2	733.3	820.5	975.6	1103.1	1074.7	1007.7	1035.2	1024.2
75°	8940.8	2642.2	640.6	643.3	715.8	872.8	994.8	985.7	916.8	919.6	915.9
77.5°	6484.9	1937.4	539.6	558.0	609.4	767.2	885.6	880.1	804.9	791.1	788.4
80°	3009.3	988.4	439.6	447.9	501.1	641.5	755.3	748.0	687.4	670.0	659.9
82.5°	1030.6	469.9	330.4	335.9	388.2	516.7	655.3	650.7	600.2	566.3	545.1
85°	368.0	234.0	231.3	225.8	277.2	406.6	570.8	546.1	471.7	402.0	400.1
87.5°	119.3	100.0	119.3	118.4	161.5	275.3	414.8	353.3	342.3	284.5	279.0
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)