

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: P318050

Luminaire Tested: **GAN-SA6C-730-U-T2**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P318050
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-SA6C-730-U-T2
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3000K, 1050mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE II OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 37807 lumens
Efficiency: N/A
Efficacy: 113.5 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type III - Medium
BUG Rating: B3 - U0 - G5

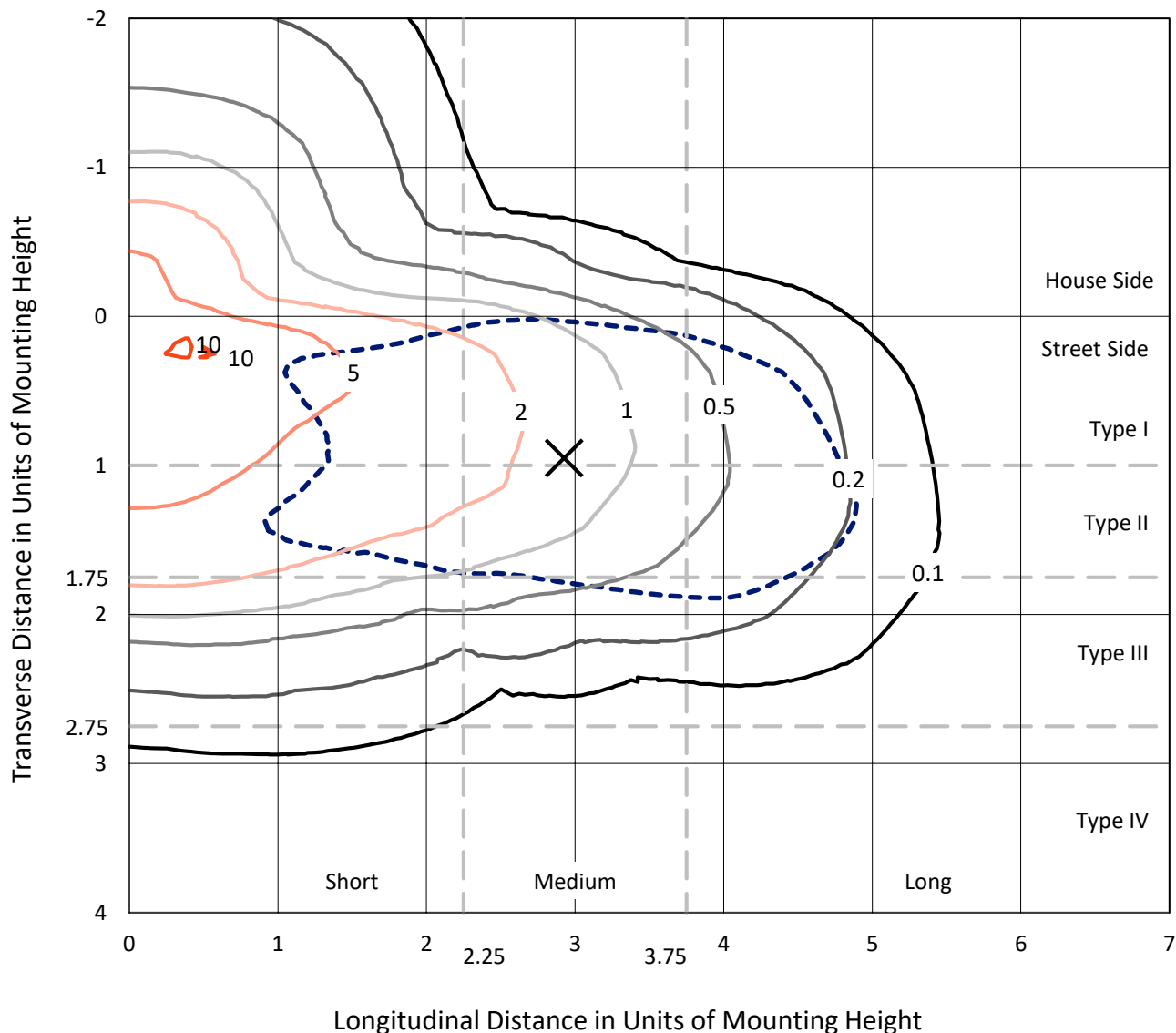
Input Watts (W): 333
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

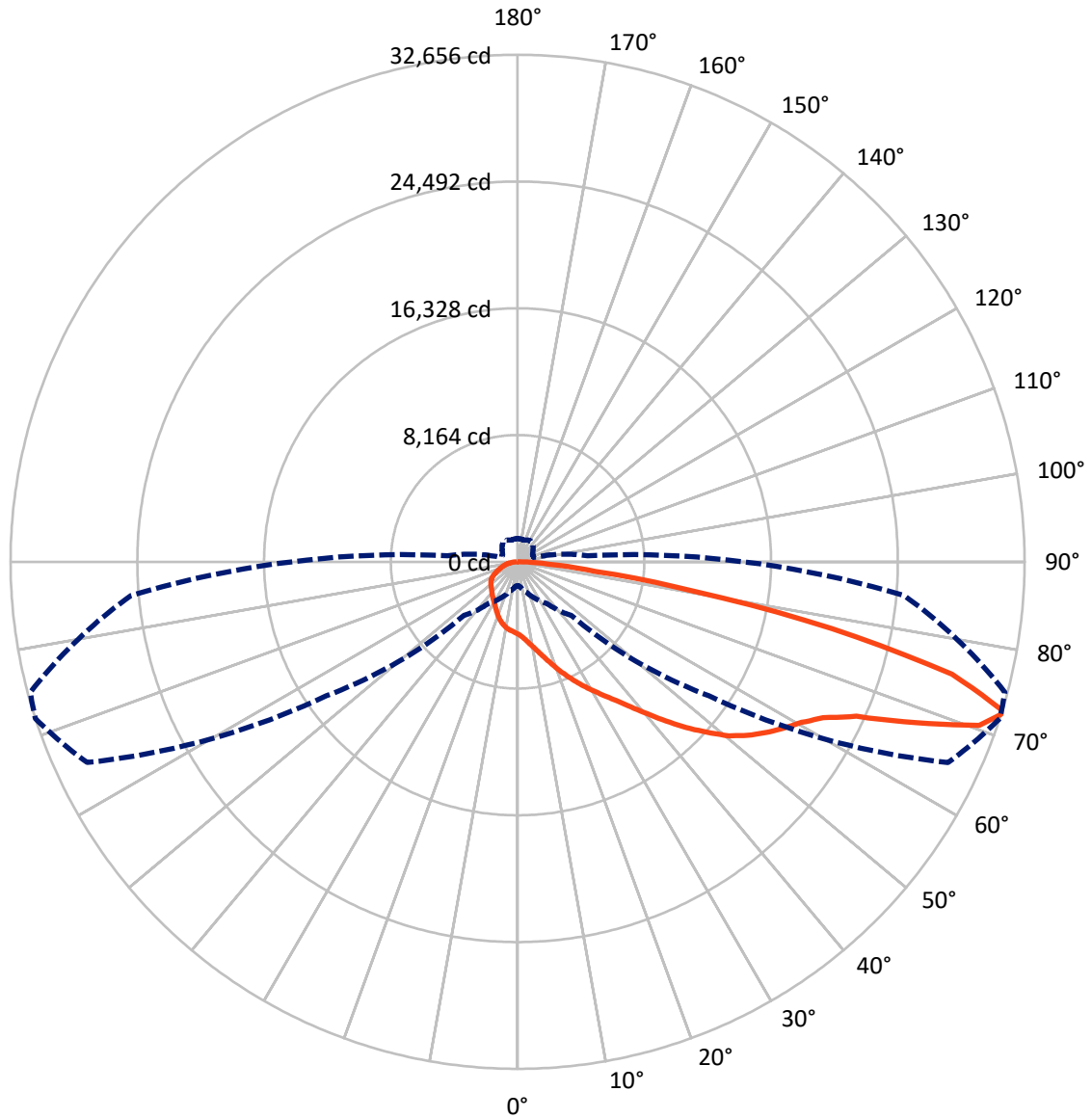
× Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 10.3 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	7013.5	0.0	7013.5
	% Fixture	18.6	0.0	18.6
Street Side	Lumens	30793.6	0.0	30793.6
	% Fixture	81.4	0.0	81.4
Total	Lumens	37807.0	0.0	37807.0
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	466.1	1.2
10°-20°	1506.1	4.0
20°-30°	2639.2	7.0
30°-40°	3913.1	10.4
40°-50°	5723.2	15.1
50°-60°	7875.0	20.8
60°-70°	8767.3	23.2
70°-80°	5940.7	15.7
80°-90°	976.4	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°	37807.0	100.0
0°-180°	37807.0	100.0

Coefficient of Utilization

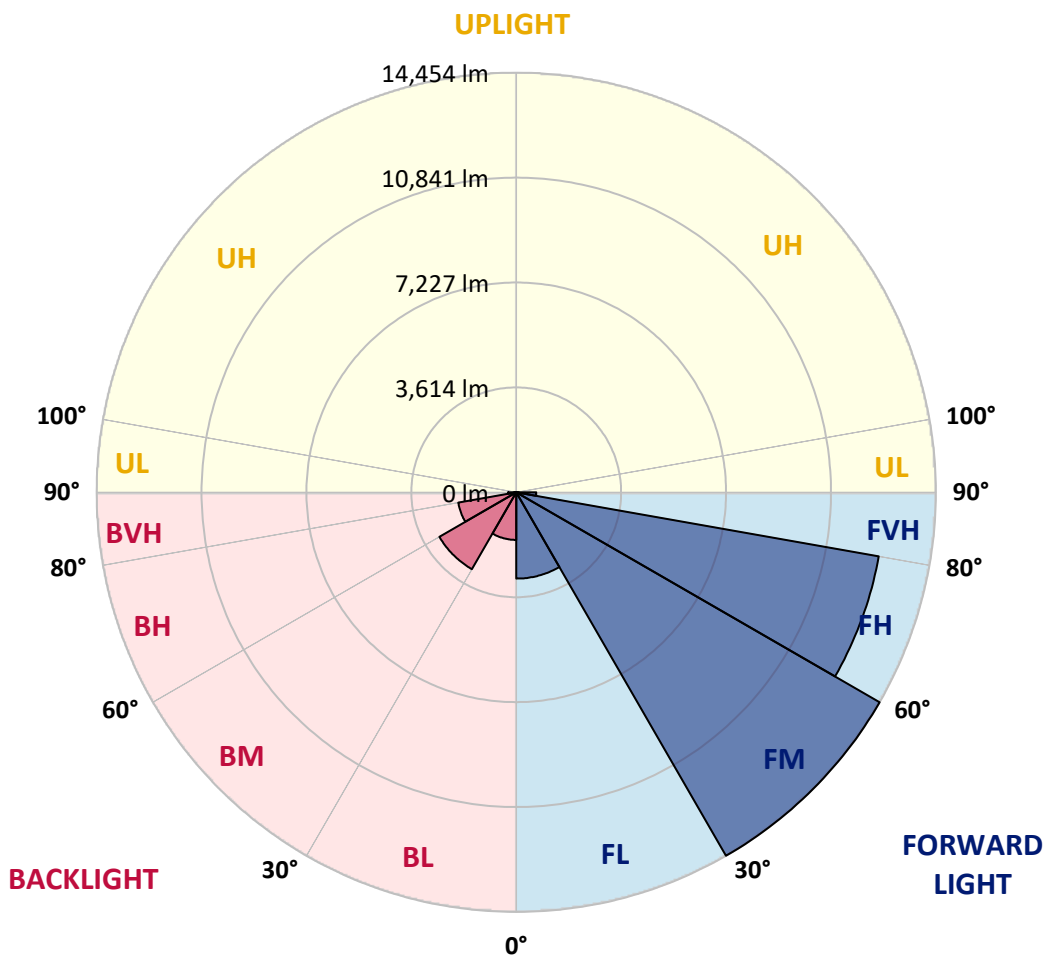


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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	2971.9	7.9			
FM (30°-60°)	14454.1	38.2			
FH (60°-80°)	12678.9	33.5			G5
FVH (80°-90°)	688.7	1.8			G4/750
BL (0°-30°)	1639.5	4.3	B3/2500		
BM (30°-60°)	3057.2	8.1	B3/5000		
BH (60°-80°)	2029.1	5.4	B3/2500		G3/2500
BVH (80°-90°)	287.7	0.8			G3/500
UL (90°-100°)	0.0	0.0		U0/0	
UH (100°-180°)	0.0	0.0		U0/0	

BUG Rating: B3-U0-G5
 Type III Medium





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	35°	45°	55°	65°	72°	75°	85°
0°	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2
2.5°	5138.1	5130.3	5103.0	5103.0	5050.9	5006.6	4923.3	4867.3	4801.0	4777.5	4699.4
5°	5635.4	5638.0	5604.1	5580.7	5503.9	5410.2	5268.3	5139.4	5010.5	4958.5	4798.3
7.5°	6053.3	6048.1	6038.9	6019.4	5947.8	5851.5	5660.1	5468.8	5278.7	5200.6	4924.6
10°	6321.4	6333.1	6341.0	6350.1	6320.1	6251.1	6070.2	5837.2	5588.5	5481.8	5075.6
12.5°	6456.8	6477.6	6514.1	6576.6	6626.0	6618.2	6486.8	6239.4	5943.9	5809.8	5264.4
15°	6536.2	6563.6	6620.8	6732.8	6872.1	6951.5	6916.3	6692.4	6363.1	6197.8	5494.8
17.5°	6585.7	6607.8	6696.3	6846.0	7053.0	7263.9	7356.3	7168.9	6836.9	6648.2	5759.1
20°	6619.5	6636.5	6747.1	6922.8	7191.0	7526.9	7784.6	7737.8	7358.9	7114.2	6035.0
22.5°	6695.0	6709.4	6814.8	6991.8	7288.6	7722.1	8197.3	8267.6	7909.6	7632.3	6330.5
25°	6905.9	6905.9	6994.4	7118.1	7396.7	7891.4	8546.2	8857.3	8472.0	8149.1	6603.9
27.5°	7308.2	7304.3	7336.8	7379.8	7590.7	8063.2	8857.3	9378.0	9055.2	8702.4	6869.5
30°	7784.6	7810.7	7814.6	7793.7	7892.7	8278.0	9145.0	9927.3	9642.3	9262.1	7141.5
32.5°	8397.8	8414.7	8395.2	8326.2	8311.8	8582.6	9427.5	10502.7	10277.5	9846.6	7390.2
35°	9176.2	9143.7	9082.5	8941.9	8807.8	8990.1	9750.3	11078.1	10990.9	10553.5	7732.6
37.5°	10010.7	10012.0	9936.5	9617.5	9432.7	9510.8	10195.5	11730.3	11854.0	11394.4	8171.3
40°	10679.8	10714.9	10761.8	10342.6	10103.1	10211.1	10761.8	12486.6	12874.6	12391.6	8742.7
42.5°	11147.1	11187.5	11320.2	11057.3	10808.7	11009.1	11428.3	13293.7	14020.1	13542.4	9411.8
45°	11641.8	11663.9	11757.6	11644.4	11485.6	11937.3	12179.4	14129.5	15232.1	14768.7	10160.4
47.5°	12162.5	12185.9	12282.3	12206.8	12123.4	12804.3	12963.1	14917.1	16393.3	16116.0	10959.7
50°	12805.6	12821.2	12912.3	12775.6	12801.7	13457.8	13663.4	15639.5	17610.4	17326.6	11761.6
52.5°	13683.0	13686.9	13813.2	13689.5	13567.1	13936.8	14266.2	16320.4	18564.6	18430.6	12563.4
55°	14370.3	14412.0	14825.9	14799.9	14729.6	14371.6	14770.0	16968.7	19416.0	19479.8	13414.8
57.5°	13931.6	14094.3	14932.7	15523.7	16099.1	15453.4	15450.8	17699.0	20207.5	20509.5	14350.8
60°	12201.6	12422.9	13658.2	14969.1	16769.5	17335.8	16864.5	18590.7	21006.8	21530.1	15523.7
62.5°	8714.1	9078.6	10752.7	12845.9	15850.4	18582.9	19741.4	20005.7	22093.8	22712.1	17048.1
65°	4405.2	4681.2	6084.5	8606.0	12663.7	17767.9	22868.3	23103.9	23982.6	24532.0	19395.2
67.5°	2676.5	2780.6	3465.3	4786.6	7763.8	13840.5	23888.9	28268.1	27638.0	27929.6	22742.0
70°	1972.2	2049.0	2476.0	3178.9	4465.1	8121.8	20756.8	31953.4	31539.4	31506.9	25215.4
72°	1536.1	1592.1	1969.6	2568.4	3264.9	4872.5	15044.6	30593.0	32656.4	32492.3	24988.9
72.5°	1456.7	1506.2	1849.8	2417.4	3085.2	4416.9	13526.8	29675.3	32575.7	32501.5	24696.0
75°	1146.9	1182.0	1369.5	1869.4	2414.8	2505.9	7412.3	22997.2	28898.1	30099.7	22212.2
77.5°	949.0	954.2	1053.1	1360.4	1882.4	1771.7	3641.1	15955.9	20693.0	22014.3	15734.6
80°	773.3	779.8	826.6	954.2	1424.1	1310.9	1728.8	9174.9	11585.8	11600.1	7482.6
82.5°	615.7	617.0	669.1	697.8	1023.2	937.3	990.7	4307.6	5062.6	4869.9	2689.5
85°	433.5	424.4	653.5	572.8	669.1	601.4	546.7	1705.3	2093.3	2002.1	842.2
87.5°	144.5	149.7	290.3	371.0	390.5	341.1	243.4	653.5	790.2	783.7	266.9
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°	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2	4651.2
2.5°	4674.7	4633.0	4571.8	4504.1	4450.8	4396.1	4355.7	4334.9	4311.5	4292.0	4315.4
5°	4724.1	4646.0	4515.9	4388.3	4294.6	4211.2	4151.4	4120.1	4091.5	4072.0	4074.6
7.5°	4804.9	4678.6	4459.9	4273.7	4143.6	4053.7	3992.5	3971.7	3953.5	3948.3	3954.8
10°	4890.8	4704.6	4385.7	4138.3	3989.9	3915.7	3888.4	3902.7	3915.7	3927.5	3940.5
12.5°	4988.4	4728.1	4277.6	3979.5	3853.3	3824.6	3852.0	3914.4	3960.0	3987.3	4004.3
15°	5116.0	4748.9	4152.7	3820.7	3736.1	3768.6	3861.1	3969.1	4048.5	4099.3	4107.1
17.5°	5233.1	4747.6	3992.5	3660.6	3641.1	3736.1	3875.4	4027.7	4134.4	4206.0	4220.4
20°	5354.2	4712.4	3806.4	3504.4	3544.7	3701.0	3881.9	4065.4	4194.3	4277.6	4297.2
22.5°	5467.5	4651.2	3602.0	3362.5	3464.0	3654.1	3857.2	4043.3	4172.2	4239.9	4260.7
25°	5544.3	4544.5	3395.0	3242.7	3392.4	3596.8	3776.5	3926.2	4022.5	4056.3	4061.5
27.5°	5583.3	4405.2	3199.8	3138.6	3318.2	3503.1	3626.7	3701.0	3728.3	3725.7	3720.5
30°	5588.5	4221.7	3031.8	3054.0	3232.3	3365.1	3423.7	3409.4	3374.2	3314.3	3319.5
32.5°	5571.6	4014.7	2891.2	2973.3	3123.0	3197.2	3199.8	3130.8	3037.0	2942.0	2916.0
35°	5576.8	3811.6	2767.6	2882.1	2990.2	3022.7	2992.8	2891.2	2763.7	2641.3	2615.3
37.5°	5634.1	3634.6	2660.8	2776.7	2843.1	2850.9	2807.9	2701.2	2607.5	2487.7	2477.3
40°	5770.8	3508.3	2559.3	2658.2	2696.0	2699.9	2638.7	2563.2	2571.0	2507.2	2505.9
42.5°	6016.8	3453.6	2469.5	2534.6	2558.0	2565.8	2518.9	2470.8	2538.5	2496.8	2482.5
45°	6334.4	3466.6	2394.0	2413.5	2456.5	2492.9	2464.3	2405.7	2431.7	2250.8	2190.9
47.5°	6701.5	3549.9	2334.1	2309.4	2383.6	2452.5	2408.3	2319.8	2227.3	2047.7	2013.8
50°	7131.1	3678.8	2279.4	2206.5	2304.1	2397.9	2353.6	2227.3	2088.0	2000.8	1989.1
52.5°	7578.9	3836.3	2224.7	2093.3	2203.9	2356.2	2334.1	2206.5	2034.7	1948.8	1933.1
55°	8086.6	3995.2	2155.7	1961.8	2095.9	2336.7	2325.0	2131.0	1994.3	1946.2	1934.4
57.5°	8718.0	4176.1	2064.6	1825.1	1994.3	2266.4	2229.9	2085.4	1952.7	1916.2	1912.3
60°	9540.7	4443.0	1933.1	1679.3	1870.7	2158.3	2150.5	2019.1	1886.3	1860.2	1855.0
62.5°	10774.8	4884.3	1752.2	1533.5	1732.7	1974.8	2046.4	1929.2	1816.0	1814.7	1817.3
65°	12688.4	5548.2	1555.6	1405.9	1593.4	1819.9	1925.3	1836.8	1744.4	1770.4	1774.3
67.5°	14906.6	6098.8	1363.0	1280.9	1451.5	1672.8	1816.0	1744.4	1649.4	1717.0	1718.3
70°	15644.7	5606.8	1193.7	1157.3	1304.4	1530.9	1697.5	1642.8	1546.5	1614.2	1607.7
72°	14559.1	4526.3	1084.4	1063.6	1193.7	1413.7	1592.1	1547.8	1452.8	1498.3	1481.4
72.5°	14216.7	4315.4	1057.0	1040.1	1163.8	1383.8	1564.7	1524.4	1429.4	1468.4	1452.8
75°	12681.9	3747.8	908.6	912.5	1015.4	1238.0	1411.1	1398.1	1300.5	1304.4	1299.2
77.5°	9198.4	2748.1	765.4	791.5	864.4	1088.3	1256.2	1248.4	1141.7	1122.1	1118.2
80°	4268.5	1402.0	623.6	635.3	710.8	909.9	1071.4	1060.9	975.0	950.3	936.0
82.5°	1461.9	666.5	468.6	476.5	550.7	732.9	929.5	923.0	851.4	803.2	773.3
85°	522.0	332.0	328.0	320.2	393.1	576.7	809.7	774.6	669.1	570.2	567.6
87.5°	169.2	141.9	169.2	167.9	229.1	390.5	588.4	501.2	485.6	403.6	395.7
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)