

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: McGRAW-EDISON

Report Number: P383323

Luminaire Tested: **GLEON-SA6B-735-U-T4FT**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P383323
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G2-1903-205-16)
Test Lab: INNOVATION CENTER
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: McGRAW-EDISON
Catalog Number: GLEON-SA6B-735-U-T4FT
Description: GALLEON AREA AND ROADWAY LUMINAIRE
(6) 70 CRI, 3500K, 800mA LIGHTSQUARES WITH 16 LEDS EACH AND TYPE IV
FORWARD THROW OPTICS
Light Source: -
Ballast/Driver: ELECTRONIC DRIVER

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 32030.3 lumens
Efficiency: N/A
Efficacy: 128.6 lumens/watt
Luminous Opening: Rectangular (W 1.5' x L: 1' x H: 0')
IES Classification: Type IV - Short
BUG Rating: B3 - U0 - G5

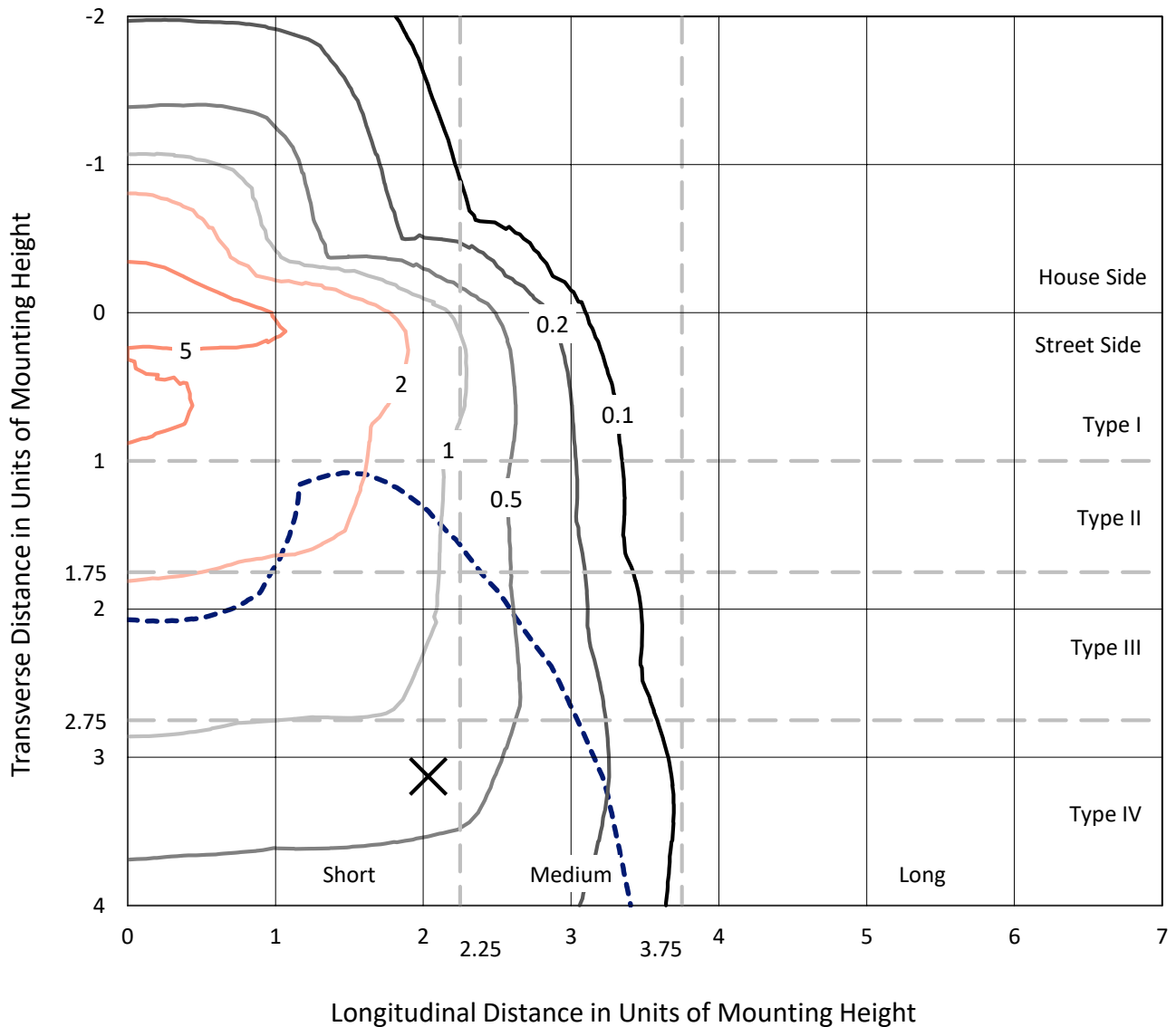
Input Watts (W): 249
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 24 FT



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Iso-Footcandle Lines of Horizontal Illumination

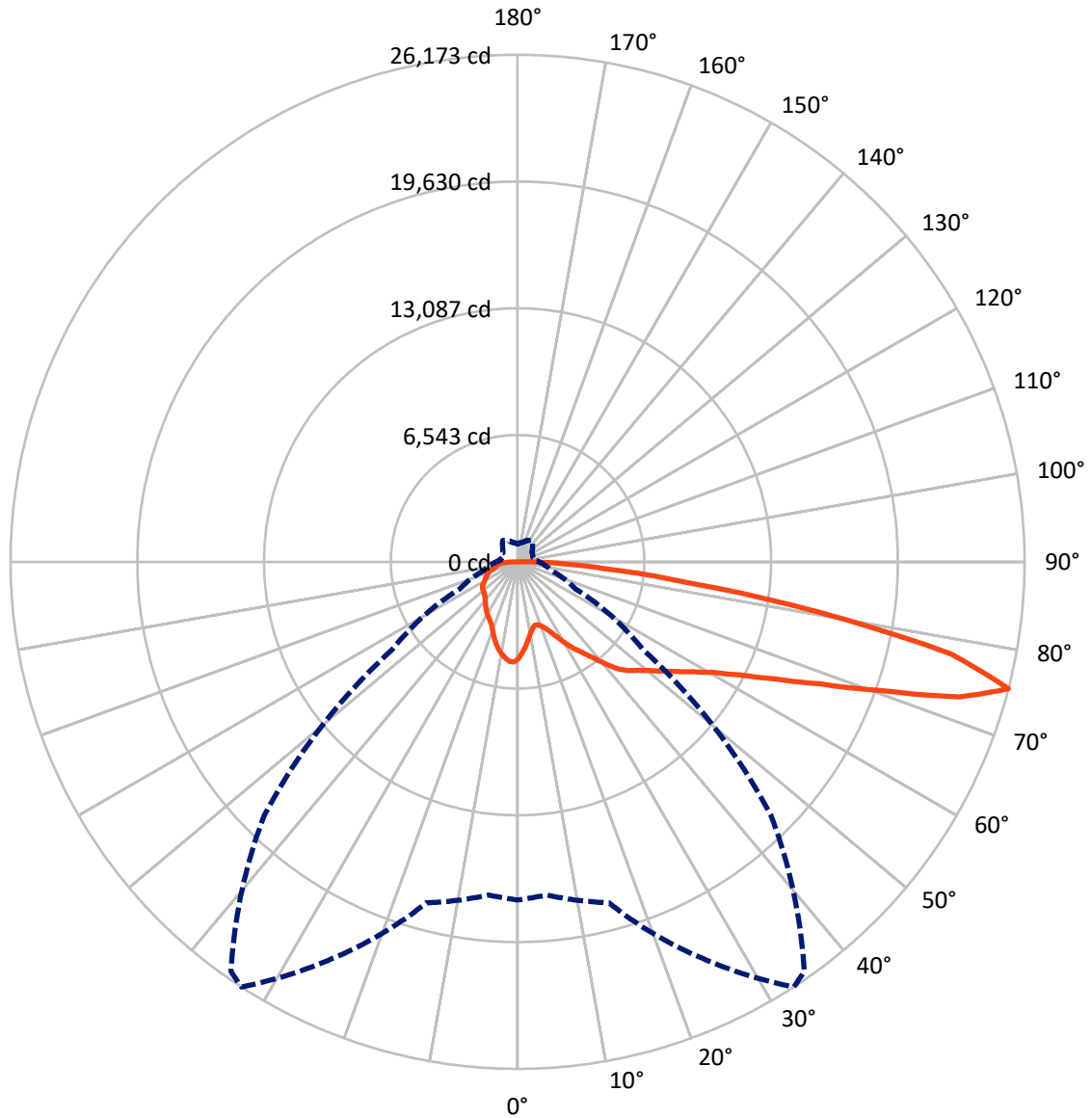
✕ Max cd
 - - - 1/2 Max cd



Based on 25 foot mounting height. Maximum calculated value = 8 fc
 Type IV - Short - N/A

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Luminous Intensity Polar Plot



— Vertical Plane Through 33-Deg Lateral - - - Horizontal Cone Through 75-Deg Vertical

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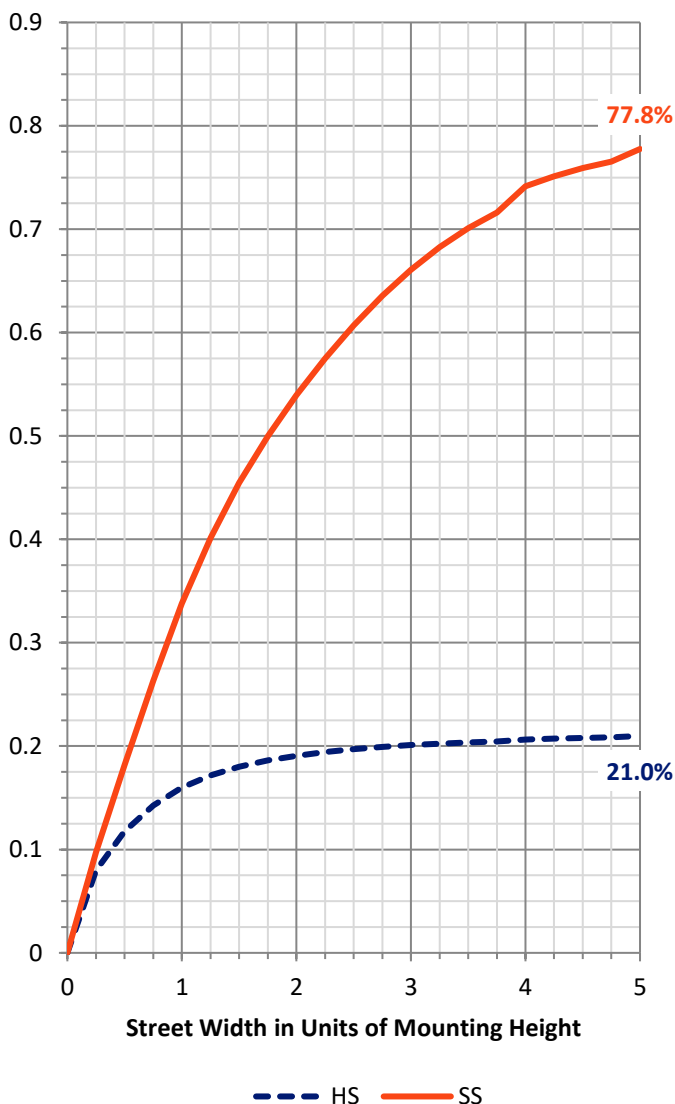
FLUX DISTRIBUTION:

		Downward	Upward	Total
House Side	Lumens	6877.8	0.0	6877.8
	% Fixture	21.5	0.0	21.5
Street Side	Lumens	25152.6	0.0	25152.6
	% Fixture	78.5	0.0	78.5
Total	Lumens	32030.3	0.0	32030.3
	% Fixture	100.0	0.0	100.0

ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	452.8	1.4
10°-20°	1226.3	3.8
20°-30°	2002.7	6.3
30°-40°	2982.6	9.3
40°-50°	4277.8	13.4
50°-60°	5872.8	18.3
60°-70°	7352.4	23.0
70°-80°	6651.4	20.8
80°-90°	1211.6	3.8
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°	32030.3	100.0
0°-180°	32030.3	100.0

Coefficient of Utilization



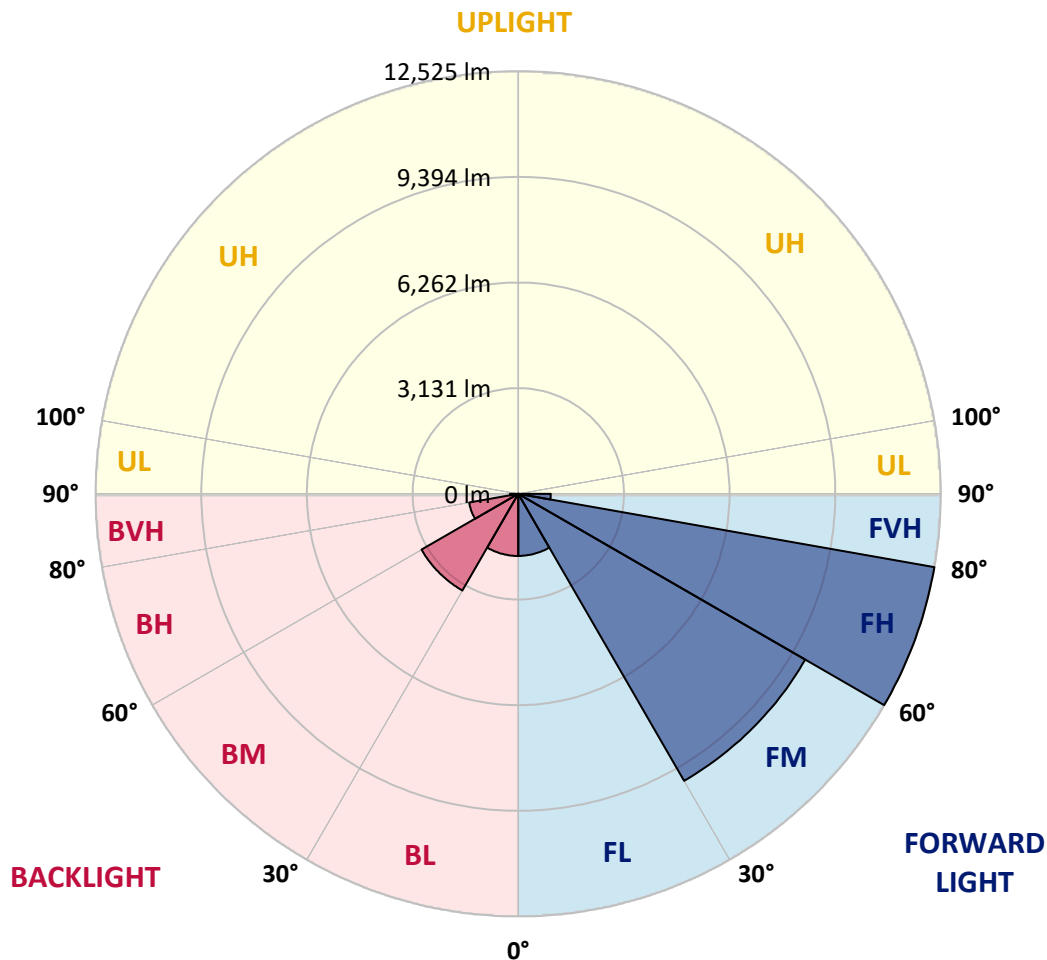
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LUMINAIRE CLASSIFICATION SYSTEM LUMEN TABLE AND BUG RATING:

Zone	Lumens	% Fixture	Zone Rating/Lumen Limit		
			B	U	G
FL (0°-30°)	1839.6	5.7			
FM (30°-60°)	9823.0	30.7			
FH (60°-80°)	12525.0	39.1			G5
FVH (80°-90°)	964.9	3.0			G5
BL (0°-30°)	1842.2	5.8	B3/2500		
BM (30°-60°)	3310.1	10.3	B3/5000		
BH (60°-80°)	1478.8	4.6	B3/2500		G3/2500
BVH (80°-90°)	246.7	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 IV Short





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CANDELA DISTRIBUTION (FULL):

	0°	5°	15°	25°	33°	35°	45°	55°	65°	75°	85°
0°	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5
2.5°	4649.2	4631.5	4664.6	4669.1	4697.8	4708.9	4748.8	4810.7	4861.6	4920.2	4973.3
5°	4227.6	4215.4	4261.9	4295.1	4358.2	4384.7	4478.8	4610.4	4727.7	4860.4	4981.1
7.5°	3827.1	3820.5	3872.4	3947.7	4020.7	4057.3	4219.8	4411.3	4607.1	4821.8	5006.5
10°	3489.7	3487.4	3537.2	3611.3	3718.6	3759.6	3969.8	4222.1	4496.5	4791.9	5049.6
12.5°	3300.5	3308.2	3331.4	3393.3	3492.9	3533.9	3767.4	4063.9	4403.5	4781.9	5112.7
15°	3346.9	3359.1	3319.2	3317.1	3387.9	3419.9	3639.0	3951.0	4337.1	4798.5	5204.6
17.5°	3544.9	3547.1	3442.1	3375.6	3418.8	3435.5	3599.1	3886.8	4298.4	4836.1	5319.6
20°	3823.7	3818.2	3632.4	3521.7	3544.9	3549.4	3655.6	3887.9	4295.1	4901.4	5469.0
22.5°	4193.3	4152.4	3902.3	3751.8	3746.3	3739.7	3800.5	3969.8	4343.8	5007.6	5647.1
25°	4675.7	4637.0	4292.9	4087.1	4042.8	4026.2	4035.1	4144.6	4440.0	5121.6	5846.3
27.5°	5212.3	5144.8	4812.9	4521.9	4430.1	4406.9	4353.8	4391.3	4545.1	5231.1	6083.1
30°	5661.5	5625.0	5335.2	4989.9	4881.5	4848.3	4708.9	4668.0	4696.8	5380.5	6381.8
32.5°	5912.7	5888.3	5712.4	5433.6	5332.9	5286.4	5089.5	5007.6	4940.1	5616.1	6786.7
35°	6217.0	6201.4	6095.2	5892.8	5743.4	5694.7	5542.1	5456.8	5283.1	5940.3	7310.0
37.5°	6604.2	6587.6	6589.8	6426.1	6247.9	6202.5	6101.9	6012.2	5727.9	6366.3	7878.8
40°	7042.3	7010.3	6998.1	6990.3	6877.4	6852.0	6798.9	6677.2	6285.5	6875.3	8439.7
42.5°	7701.8	7587.8	7344.4	7436.2	7548.0	7534.6	7577.9	7403.0	6905.1	7477.2	8987.4
45°	8337.9	8150.9	7730.5	7750.4	7994.9	8069.1	8392.1	8268.2	7576.7	8136.6	9553.9
47.5°	8627.8	8486.2	8128.8	8129.9	8372.2	8526.0	9234.2	9145.7	8282.6	8885.6	10245.3
50°	8952.0	8810.4	8489.5	8610.1	8821.5	8985.1	10047.3	10001.9	8954.2	9705.4	11074.1
52.5°	9306.1	9065.9	8862.4	9078.1	9374.6	9564.9	10861.7	10737.8	9570.4	10530.9	12026.7
55°	9310.4	9245.1	9400.1	9558.3	10001.9	10235.5	11714.7	11387.2	10072.8	11341.9	12802.4
57.5°	9840.4	9734.2	10062.9	10135.9	10715.6	10978.9	12563.3	11952.6	10584.0	11963.7	13220.5
60°	10542.0	10451.2	10720.1	10912.5	11598.5	11950.4	13469.4	12533.4	10985.6	12432.8	13200.6
62.5°	11753.4	11650.5	11647.2	11917.2	12841.0	13250.4	14486.3	13103.2	11144.9	12525.7	12637.5
65°	13527.0	13363.2	13054.6	13182.9	14557.1	14965.3	15622.5	13515.9	10934.7	12027.9	11187.0
67.5°	15253.0	15247.5	14868.0	15131.3	16823.0	17150.5	16917.1	13556.9	10278.6	10294.1	8613.5
70°	16973.4	16995.6	16931.4	17847.5	19884.4	20225.2	18295.7	13007.0	8803.8	7434.0	5160.3
72.5°	18336.6	18331.1	18654.1	21016.4	23857.6	23781.3	19457.4	11340.8	6320.9	4012.9	2466.2
75°	17453.7	17261.1	18223.8	22585.2	26173.3	25800.4	18469.3	7910.9	3280.5	1826.7	1327.7
77.5°	11383.9	11566.5	12979.3	18657.4	22893.9	22440.2	13550.2	3691.0	1545.6	1198.2	962.6
80°	4122.5	4315.0	6077.5	10568.5	15773.1	15698.9	6672.8	1516.9	1045.6	905.1	701.5
82.5°	1418.5	1489.3	2397.6	4693.4	8905.5	9237.4	2510.4	861.9	760.1	641.7	480.2
85°	556.5	637.3	1096.4	2258.2	4492.0	4525.3	1016.8	515.6	528.8	420.4	263.3
87.5°	211.4	256.6	524.5	1048.9	2051.3	1884.2	364.0	245.6	301.0	250.0	125.0
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°	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5	5006.5
2.5°	5014.2	5037.5	5086.2	5119.4	5154.8	5164.8	5169.2	5178.0	5186.9	5183.5	5184.6
5°	5045.3	5090.6	5169.2	5202.3	5217.9	5200.2	5165.8	5138.2	5118.3	5107.2	5103.9
7.5°	5096.1	5160.3	5244.4	5238.8	5203.4	5124.9	5036.4	4970.0	4914.7	4894.8	4883.7
10°	5163.7	5238.8	5297.5	5234.5	5131.5	4995.4	4862.7	4759.8	4676.8	4644.7	4639.2
12.5°	5249.9	5326.3	5337.3	5203.4	5033.1	4847.2	4666.9	4530.8	4406.9	4367.0	4358.2
15°	5361.7	5433.6	5365.0	5149.2	4911.4	4661.3	4427.8	4243.1	4112.5	4063.9	4046.2
17.5°	5479.0	5547.6	5370.6	5059.6	4752.0	4441.2	4147.9	3958.7	3809.4	3752.9	3746.3
20°	5619.5	5650.5	5347.3	4931.2	4533.0	4155.7	3847.0	3668.9	3589.2	3549.4	3544.9
22.5°	5793.2	5759.9	5294.2	4757.6	4255.3	3826.0	3574.8	3491.8	3472.0	3463.0	3466.4
25°	5976.8	5875.1	5215.6	4530.8	3904.5	3496.3	3375.6	3398.9	3425.5	3422.1	3422.1
27.5°	6179.3	5992.4	5095.0	4229.8	3516.2	3226.3	3240.7	3325.9	3365.7	3364.6	3363.5
30°	6439.3	6125.1	4941.2	3868.1	3153.3	3036.0	3123.4	3227.4	3281.7	3279.4	3280.5
32.5°	6759.1	6271.2	4732.2	3464.1	2891.1	2895.5	2996.1	3099.1	3162.1	3156.6	3157.7
35°	7133.0	6434.9	4448.9	3065.9	2717.3	2783.7	2863.4	2935.3	2995.0	2987.3	2979.6
37.5°	7540.2	6595.4	4072.7	2709.6	2575.7	2679.7	2746.1	2758.3	2786.0	2766.0	2751.6
40°	7927.5	6718.1	3588.1	2417.6	2433.0	2591.2	2634.4	2585.7	2535.9	2529.2	2509.3
42.5°	8264.9	6759.1	3098.0	2184.1	2282.6	2498.3	2524.9	2423.0	2333.4	2291.4	2273.7
45°	8621.2	6773.5	2641.0	1988.2	2137.6	2415.3	2444.1	2308.0	2181.9	2091.1	2061.2
47.5°	9087.0	6877.4	2285.8	1843.3	2027.0	2360.0	2400.9	2216.2	2052.4	1922.9	1895.3
50°	9696.6	7083.3	1997.1	1732.7	1955.0	2323.5	2370.0	2126.5	1946.2	1790.2	1762.5
52.5°	10373.7	7272.5	1763.6	1643.1	1885.4	2259.3	2330.1	2062.4	1846.6	1667.4	1637.5
55°	10847.3	7127.6	1575.5	1550.1	1794.6	2167.4	2274.7	2008.1	1703.9	1547.9	1521.3
57.5°	10938.0	6631.9	1432.8	1453.9	1685.1	2052.4	2189.6	1887.5	1626.4	1495.9	1468.2
60°	10690.2	5941.4	1326.6	1365.3	1567.8	1907.4	2030.3	1802.4	1552.3	1440.5	1417.3
62.5°	10067.2	5234.5	1248.0	1285.6	1458.2	1760.3	1930.7	1712.7	1477.1	1377.5	1354.3
65°	8809.3	4394.7	1172.8	1214.8	1356.4	1633.1	1841.1	1629.7	1402.9	1326.6	1304.4
67.5°	6649.6	3291.6	1102.0	1139.6	1265.7	1522.4	1743.7	1547.9	1331.0	1282.4	1255.8
70°	3915.6	2061.2	1021.3	1061.0	1170.6	1407.4	1639.7	1458.2	1241.4	1219.3	1184.9
72.5°	1822.3	1240.3	929.4	968.2	1051.1	1253.6	1505.8	1341.0	1135.2	1086.5	1040.1
75°	1087.6	907.2	821.0	855.3	913.9	1089.8	1337.6	1221.4	1034.5	970.3	921.7
77.5°	813.2	693.7	701.5	738.0	785.6	953.7	1184.9	1127.5	957.1	907.2	874.1
80°	585.3	526.7	572.0	611.8	661.7	867.5	1135.2	1042.2	865.2	798.8	767.9
82.5°	390.6	378.4	430.4	471.4	520.0	759.0	1066.6	912.8	739.1	655.0	586.4
85°	215.7	227.9	289.9	307.6	349.6	534.4	874.1	733.6	556.5	448.1	428.1
87.5°	89.6	105.1	156.0	150.4	185.8	318.7	575.3	442.6	354.1	264.5	205.8
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)